





United States  
Department of  
Agriculture



**National Agricultural Library**

**R  
A  
L**

FOUNDATION OF MANUFACTURE

**LIBRARY**

Bibliography of Agriculture  
vol. 28. 1964 88109-109278  
1,088,193



















dy

# BIBLIOGRAPHY OF AGRICULTURE

LIBRARY  
FEB 11 1964

NOV 12 1964

U. S. DEPARTMENT OF AGRICULTURE  
EASTERN REGIONAL RESEARCH  
LABORATORY A. R. S.



NATIONAL AGRICULTURAL LIBRARY  
U.S. DEPARTMENT OF AGRICULTURE







3121-7  
BIBLIOGRAPHY OF AGRICULTURE

Vol. 28

October 1964

No. 10

The Bibliography of Agriculture is an index to the literature of agriculture and the allied sciences received in the National Agricultural Library. Publications from any country are indexed, provided they are in one of the languages shown in CAPITALS at bottom of this column, or have summaries or abstracts in one of those languages.

Literature received more than one year after publication is generally not indexed. Exceptions are made for important scientific publications.

Indexing of articles on the processing of agricultural products is limited to those on primary processing.

Unsigned articles and those signed with pseudonyms or initials, editorials, letters to the editor, and columns appearing regularly, are omitted.

#### FORMAT

The Bibliography is a classified arrangement of references under the following subjects:

Plant Science  
Soils and Fertilizers  
Forestry  
Animal Industry  
Entomology  
Agricultural Engineering  
Agricultural Products  
Agricultural Economics and  
Rural Sociology  
Food and Human Nutrition  
Miscellaneous

The classified section is followed by the listing of:

New Periodicals and Serials  
Translations  
USDA Publications  
State Agricultural Experiment  
Station Publications  
State Agricultural Extension  
Service Publications  
Food and Agriculture Organization  
of the UN (FAO) Publications

The last section of each monthly issue is the Personal and Organizational index for that issue.

Foreign language titles of articles in serial publications are given in English only. The language of the text is shown in abbreviated form in parentheses at the end of the title. The following notations are used:

(Af)	Afrikaans	(Ic)	Icelandic
(Al)	Albanian	(In)	Indonesian
(Ara)	Arabic	(It)	ITALIAN
(Arm)	Armenian	(Ja)	JAPANESE
(Az)	Azerbaijani	(Ka)	Kazakh
(Be)	Belorussian	(Ko)	KOREAN
(Bu)	Bulgarian	(La)	Latvian
(Bur)	Burmese	(Li)	Lithuanian
(Ch)	CHINESE	(No)	NORWEGIAN
(Cz)	CZECH	(Pe)	Persian
(Da)	DANISH	(Pol)	POLISH
(Du)	DUTCH	(Por)	PORTUGUESE
(Es)	Estonian	(Rum)	Rumanian
(Fi)	Finnish	(Rus)	RUSSIAN
(Fl)	Flemish	(Se)	SERBO-CROATIAN
(Fr)	FRENCH	(Si)	Siamese
(Ge)	GERMAN	(Sl)	Slovenian
(Geo)	Georgian	(Sp)	SPANISH
(Gre)	Greek	(Sw)	SWEDISH
(He)	Hebrew	(Ta)	Tadzhik
(Hi)	Hindi	(Tu)	Turkish
(Hu)	HUNGARIAN	(Uk)	UKRAINIAN

For monographs the title is shown in the original language, followed by the English version.

Abbreviated names of the publications cited prior to July 1, 1964 are those from USDA Miscellaneous Publication 765—List of Serials Currently Received in the Library of the United States Department of Agriculture, July 1, 1957. Abbreviated names of all new periodical titles received after July 1, 1964, are taken from the American Standard for Periodical Title Abbreviations. As time allows, abbreviations set up for titles before that date will be converted to the new form.

The presence of the term "Ref." in the citation indicates that the article contains ten or more references to the literature.

Following each citation is the Library classification number which should be used when requesting loans or reproduction of articles.

#### FREQUENCY OF PUBLICATION

The Bibliography is published monthly. The December issue is devoted wholly to a subject index and the cumulated Personal and Organizational index to the preceding eleven issues.

#### AVAILABILITY OF REFERENCES CITED

Except for printed publications of the Department of Agriculture which are usually available in limited supply for free distribution, the publications cited in the Bibliography are not available for free distribution from the Department.

Publications issued by the State Agricultural Experiment Stations and State Agricultural Extension Services are not available from the Department of Agriculture. Unless noted otherwise, these publications may be obtained from the experiment station or extension service issuing them.

Loans. Publications are loaned only to employees of the Department and to other libraries. Periodicals, foreign statistical publications, and rare books are not loaned outside Washington, D. C.

Reproduction. All articles listed may be obtained in microfilm or photoprint form from the National Agricultural Library. Copying charges for each periodical article or book are:

MICROFILMS: \$1.00 for each 30 pages or fraction copied from a single article or book.

PHOTOPRINTS: \$1.00 for each 4 pages or fraction copied from a single article or book.

RUSH SERVICE will be furnished upon payment of \$1.00 additional for each order.

Payment must accompany the order. Cash, Library coupons, check or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside of the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Superintendent of Documents coupons and requests to furnish photocopy to be paid from Superintendent of Documents Deposit funds cannot be honored. Credit may be extended only to Government agencies and institutions. Billing address should be indicated.

Library Coupons. National Agricultural Library coupons, valued at \$1.00 each, may be purchased in any quantity.

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.  
\$12.00 per year, domestic; \$15.50 per year, foreign. Single copies vary in price.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (March 31, 1964)







# CONTENTS

	Item		Item		Item
PLANT SCIENCE	88109-90785	Forest Management and Finance		Swine	93718
General	88109		91482	Breeds and Breeding	93718
Systematic and Geographic		Farm Woodlands	91494	Feeds and Feeding	93758
Botany	88214	Mensuration, Surveying, Photo-		Veterinary Medicine	93813
General	88214	grammetry	91498	Miscellaneous	93900
Spermatophytes	88253	Silviculture	91505		
Pteridophytes	88422	Silvicultural Practices	91537	ENTOMOLOGY	93924-95683
Bryophytes	88434	Regeneration and Breeding		General	93924
Algae	88458		91559	Economic	93935
Fungi (Including Lichens)	88499	Forest Protection and Damage		General	93935
Pathology	88556		91616	Medical and Veterinary Pests	94036
General	88556	Fire	91620		
Diseases Caused by Fungi	88679	Forest Influences	91623	Pests of Field and Truck Crops	94262
Diseases Caused by Bacteria		Miscellaneous Forest Uses	91633		
	88852	Forest Industries and Trade	91647	Pests of Fruit and Nut Crops	94354
Viruses and Virus Diseases	88865	Lumbering and Logging	91650		
		Sawmills	91670	Pests of Ornamentals, Green-	
Diseases Caused by Nematodes		Processing and Woodworking		houses, and Nurseries	94415
	88896		91675	Pests of Stored Products and	
Ecology	88959	Seasoning, Conditioning, and		Processed Commodities	94422
Morphology, Anatomy, and		Finishing	91677	Pests of Trees and Wood	
Cytology	89063	Wood Preservation and Damage	91682	Products	94450
Genetics	89243			Apiculture and Apis Mellifera	
Physiology	89324	Forest Products	91694		94493
Biochemistry	89776	Lumber and Rough Products		Sericulture and the Silkworm	94586
Field Crops	89964		91702		
General	89964	Construction	91710	Taxonomic, Geographic, and	
Cereals	89993	Veneers, Plywood, and Adhesives	91713	Biological	94623
Fiber Crops	90086		91715	General	94623
Forage Crops and Grasses	90110	Furniture		Arachnida, Myriapoda, etc.	94674
Oil Crops	90212	Containers		Coleoptera	94806
Sugar Crops	90228	Pulp and Paper	91716	Diptera	94994
Tobacco	90243	Chemical Products and		Culicidae	95119
Horticultural Crops	90246	Distillates	91735	Hemiptera (Heteroptera and	
General	90246	Naval Stores	91741	Homoptera)	95155
Fruits-General	90266	Other Forest Products	91742	Hymenoptera	95274
Fruits-Citrus and Subtropical		Wood Technology	91753	Lepidoptera	95367
	90298	Properties and Structure	91765	Orthoptera	95560
Fruits-Deciduous	90312	ANIMAL INDUSTRY	91783-93923	Smaller Orders	95595
Fruits-Small	90338	Breeds and Breeding	91783		
Nuts	90370	Feeds and Feeding	91806	AGRICULTURAL ENGINEERING	95684-96081
Shade Trees and Ornamental		Veterinary Medicine	91901	General and Miscellaneous	95684
Plants	90378	Miscellaneous	92102	Farm Machines and Equipment	95690
Vegetable and Truck Crops		Cattle	92139		
(Including Potatoes)	90481	Breeds and Breeding	92139	Animal Husbandry Equipment	95763
Weeds and Poisonous Plants	90586	Feeds and Feeding	92268		
Miscellaneous Economic Plants		Veterinary Medicine	92375	Cultivation and Tillage Equipment	95799
(Drug, Dye, Rubber, etc.)	90750	Miscellaneous	92608		
SOILS AND FERTILIZERS	90786-	Dogs and Cats	92679	Fertilizing and Planting Equip-	
	91421	Breeds and Breeding	92679	ment	95825
Soil Science	90786	Feeds and Feeding		Harvesting Equipment	95842
Soil Physics	90793	Veterinary Medicine	92686	Land Clearing Equipment	95889
Soil Chemistry and Mineralogy		Miscellaneous	92767	Processing Equipment Used on	
	90838	Fur Animals - Pen Raised	92775	the Farm	95891
Soil Biology	90899	Breeds and Breeding	92775	Repair, Maintenance, and Con-	
Soil-Plant-Animal Relationships	90956	Feeds and Feeding	92786	struction Equipment	95911
		Veterinary Medicine	92808	Spraying and Dusting Equipment	95920
Soil Genesis, Formation, Classi-		Miscellaneous	92841		
fication, and Mapping	90960	Horses and Mules	92857	Vehicles	95931
Soil Management	91005	Breeds and Breeding	92857	Farm Structures and Rural	
Soil Fertility	91026	Feeds and Feeding	92875	Housing	95959
Soil Tilth and Tillage	91191	Veterinary Medicine	92877	Animal Shelters and Animal	
Drainage, Irrigation, Water		Miscellaneous	92931	Service Buildings	95969
Supply, and Flood Control	91218	Laboratory Animals, Small	92938	Farmhouses and Farmsteads	
Erosion and Erosion Control		Breeds and Breeding	92938		
	91329	Feeds and Feeding	92940	Greenhouses and Plant Service	
Sanitation	91363	Veterinary Medicine	92946	Buildings	96040
Materials for Soil Improvement		Miscellaneous	92974	Materials and Methods	96055
	91364	Poultry	92978	Storage Structures	96058
Chemical Fertilizers	91364	Breeds and Breeding	92978	Walls and Fences	96062
Mineral Soil Amendments	91367	Feeds and Feeding	93042	Farm Utilities	96063
Fertilizer Technology and		Veterinary Medicine	93168	Electricity and Electrification	96063
Statistics	91370	Miscellaneous	93399		
Manures and Composts	91410	Rabbits	93534	Heating, Lighting, and Radiation	96071
FORESTRY	91422-91782	Breeds and Breeding	93534		
General	91422	Feeds and Feeding	93537	Power Plants, Motors, and	
Education	91447	Veterinary Medicine	93541	Engines on the Farm	96072
Policies, Programs, Administra-		Miscellaneous	93561	Sewage and Waste Disposal	
tion	91452	Sheep and Goats	93567		
Legislation and Taxation	91467	Breeds and Breeding	93567	Telephones	
Forest Description and		Feeds and Feeding	93601	Water Supply	96075
Resources	91471	Veterinary Medicine	93626		
		Miscellaneous	93701		

Item	Item	Item
AGRICULTURAL PRODUCTS:	Consumption and Utilization 97095	Leadership 98201
PROCESSING, DISTRIBUTION,	Distribution, Marketing, and	Rural Organizations and
AND STATISTICS 96082-97533	Transportation 97096	Movements 98202
General 96082	Grading, Inspection, Standardiza-	Cooperative Organizations 98226
Analysis and Composition 96100	tion, and Quality 97121	Rural Social Psychology 98242
Consumption and Utilization 96117	Packing and Packaging 97137	Trade, Foreign and International
Distribution, Marketing, and	Prices, Price Control, and	98252
Transportation 96120	Rationing 97142	FOOD AND HUMAN NUTRITION
Grading, Inspection, Standardiza-	Processing and Storage 97149	98338-98415
tion, and Quality 96152	Statistics 97172	General 98338
Packing and Packaging 96181	Oils and Oilseeds 97180	Food Habits 98383
Prices, Price Control, and	Poultry and Poultry Products	Nutritive and Vitamin Content
Rationing 96188	97268	98387
Processing and Storage 96195	Rubber and Rubber Substitutes	MISCELLANEOUS 98416-98705
Statistics 96238	97410	General 98416
Beverages and Condiments 96252	Seeds 97414	Biography 98476
Dairy Products 96332	Sugar and Sirups 97440	History 98653
Analysis and Composition 96399	Tobacco 97489	Home Management 98661
Consumption and Utilization 96453	Miscellaneous Products 97497	International Relations 98662
Distribution, Marketing, and	AGRICULTURAL ECONOMICS AND	Meteorology 98665
Transportation 96456	RURAL SOCIOLOGY 97534-98337	Personnel 98685
Grading, Inspection, Standardiza-	General 97534	Research 98687
tion, and Quality 96487	Agricultural Finance 97581	Statistics 98705
Packing and Packaging 96528	Credit 97597	NEW PERIODICALS AND
Prices, Price Control, and	Income 97621	SERIALS p. 290
Rationing 96539	Inflation 97627	TRANSLATIONS p. 290
Processing and Storage 96551	Insurance 97637	U. S. D. A. PUBLICATIONS p. 294
Statistics 96657	Taxation 97649	STATE AGRICULTURAL
Feed and Forage Crops 96662	Agricultural Labor and Wages	EXPERIMENT STATION
Fibers and Textiles 96708	97649	PUBLICATIONS p. 297
Fruits, Vegetables, and Nuts	Agriculture - Situation, Policies,	STATE AGRICULTURAL
Analysis and Composition 96802	and Programs 97690	EXTENSION SERVICE
Consumption and Utilization 96817	Subsidies 97793	PUBLICATIONS p. 301
Distribution, Marketing, and	Cost and Standard of Living 97795	FAO PUBLICATIONS p. 304
Transportation 96820	Farm Management and Land	PERSONAL INDEX p. 305
Grading, Inspection, Standardiza-	Economics 97796	ORGANIZATIONAL INDEX p. 329
tion, and Quality 96844	Bookkeeping and Records 97938	
Packing and Packaging 96864	Costs and Returns 97950	
Prices, Price Control, and	Land Settlement and Colonization	
Rationing 96867	98010	
Processing and Storage 96871	Land Tenure 98015	
Statistics 96918	Land Utilization 98046	
Grain and Grain Products 96927	Land Values and Valuation 98075	
Honey and Beeswax 97020	Population 98082	
Livestock and Livestock Products	Rural Social Organization 98094	
97026	Human Ecology 98106	
Analysis and Composition 97079	Institutions 98118	



## PLANT SCIENCE

## GENERAL

- 88109 ADELAIDE, AUSTRALIA. BOTANIC GARDEN. Annual report of the Board of Governors for the year 1962-63. Adelaide, 1964. 29 p. 451 Ad3
- 88110 ALIEV, I. M., and others. On borderline between Neocomian and Aptian stages in western regions of Central Asia. (Rus) Akad. Nauk Azerb. SSR, Izv. Ser. Geol.-Geog. Nauk i Nefti 4:19-26, 1963. 403 Ak12  
I. N. Barkhatnaya, V. D. Il'in, G. G. Mirzoev, A. M. Novokshchenov, and N. I. Fokina, joint authors.  
Includes spore-pollen analysis.
- 88111 ANDERSEN, S. T. Pollen analysis of the Quaternary marine deposits at Tornskov in south Jutland. Denmark. Geol. Undersog. Danmarks Geol. Undersog. 4(8):23 p., map. Ref. 1963. 408 D41
- 88112 BALLY, P. R. O. Recent changes in the vegetation and animal life in Somali. (Du) Succulenta 43(6):82-84. (Cont.) June 1964. 450 Su12
- 88113 BANIC, S. On the bactericidal effect of whortle berries. (Ge) Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. I, Orig. 192(4):539-540. May 1964. 448.3 C33
- 88114 BASILE, D. V. New procedures of bryophyte culture which permit alteration of the culture medium during the life cycle. Bryologist 67(2): 141-146. Summer 1964. 450 B84
- 88115 BIALOBOK, S. A report on the activity of Zaklad Dendrologii i Arboretum Kornickie of PAN [Polska Akademia Nauk] for 1962. (Pol) Arboretum Kornickie 8:293-296. 1963. 450 Ar1
- 88116 BLOT, J. Le monde vegetal [The world of plants]. Ed. 3., rev. Paris, Editions de l'Ecole, 1963. 390 p. 463 B622
- 88117 BQCK, U. Investigations on the mechanism of vacuole staining of plant cells with basic dyes. (Ge) Flora [Jena] 154(1):99-135. Ref. Feb. 29, 1964. 450 F66
- 88118 BONGERS, L., and KOK, B. Life support systems for space missions. Devlpmt. Indus. Microbiol. 5:183-195. Ref. 1964. 448.3 D49  
Includes photosynthesis of algae.
- 88119 BOTANICAL SOCIETY OF ISRAEL. PLANT PHYSIOLOGY SECT. Proceedings of the semi-annual meeting, Dec. 11, 1963, Tel Aviv. Israel J. Bot. 12(3):140-145. Mar. 1964. 450 Is7  
Abstracts of papers.
- 88120 BOVEN, V. VAN. Vegetation of the Bovenste Bos. (Du) Nathist. Genootsch. Limburg. Nathist. Maandbl. 52(12):169-171. Dec. 30, 1963. 409.6 N2123N
- 88121 BROOK, A. J. The living plant; and introduction to botany, with illustrations by the author. Chicago, Aldine, 1964. 529 p. Ref. 463 B793
- 88122 CHANDRA, L. Advancing frontiers of plant sciences, vol. 4. New Delhi, 1963. 208 p., map. Ref. 452.4 V81  
Text in English and German.
- 88123 CHANDRA, L., ed. Advancing frontiers of plant sciences, vol. 8. Plant geography and bionomics. New Delhi, Inst. Advn. Sci. & Cult., 1964. 198 p. Ref. 452.4 V81
- 88124 COLINVAUX, P. A. The environment of the Bering land bridge. Ecol. Monog. 34(3):297-329, map. Ref. Summer 1964. 410 Ec72  
Paleobotany.
- 88125 DALE, E. E. Literature on the vegetation of Arkansas. Ark. Acad. Sci. Proc. 17:40-50, map. 1963. 500 Ar42
- 88126 DARLING, T. Insectivorous plants in the Poconos. Castanea 29(2):126-128. June 1964. 450 So82
- 88127 DE VOS, F. New plants from exploration; collection, propagation, testing and acceptance by growers are steps between discovery and introduction. Plants & Gard. (n.s.) 20(1):59-62. Spring 1964. 450 P694
- 88128 DYER, D. L., and WILDMAN, S. Development of a balanced stock concentrate for algal medium. Devlpmt. Indus. Microbiol. 5:365-372. 1964. 448.3 D49  
Space biology.
- 88129 ELAUT, L. A semi-botanical poem on the life work of Sebastien Vaillant. (Fl) Biol. Jaarb. 31:313-318. 1963. 410 B52  
English summary.  
De Connubiis Florum, by D. de la Croix (Mac-Encroe).
- 88130 GAMS, H. Further remarks on the phylogeny of Sphagnum. (Fr) Rev. Bryologique et Lichenologique 31(1/2):1-4, map. Ref. 1962. 450 R325  
Paleobotany.
- 88131 GEURTS, R. To the "Island in the Meuse," Stevensweert and Ohe and Laak. (Du) Nathist. Genootsch. Limburg. Nathist. Maandbl. 52(5): 58-60, map. May 30, 1963. 409.6 N2123N  
Studying the vegetation.
- 88132 GREEN, H. E. The natural sowing of seeds. Bot. Soc. Brit. Isles. Proc. 5(3):220-223. Feb. 1964. 451 B658Pr
- 88133 HAMILTON (ONTARIO) ROYAL BOTANICAL GARDENS. Annual report, 1962. Hamilton, 1963. 40 p. 451 H18
- 88134 HIPPELLI, P. A photoelectric method for measuring area. (Ge) Flora [Jena] 154(1):12-20. Feb. 29, 1964. 450 F66  
Leaves.
- 88135 HOWARD, H. A. Labels in the Arnold Arboretum. Arnoldia 24(2):9-12. Apr. 10, 1964. 451 Ar6Ba
- 88136 INDIA, BOTANICAL SURVEY. Report for 1957-58. Calcutta, 1963. 31 p. 460.12 In2R
- 88137 IRWIN, H. Herbarium specimens and exploration in Guiana. Gard. J. 14(4):134-141. July/Aug. 1964. 80 G1635
- 88138 IVANOV, E. A., and ALEKSANDROVA, I. V. Automatic regulation of algal cultures. (Rus) Uspekhi Sovrem. Biol. 56(1):90-97. July/Aug. 1963. 442.8 Er3
- 88139 JAKOWSKA, S. Highlights of biological research in Venezuela. N. Y. Acad. Sci. Trans. (ser. 2) 26(7):804-811. May 1964. 500 N484T  
Includes botanical research.
- 88140 KAWAR, N. S. Comparison of electron absorption gas chromatography with bioassay using *Daphnia magna* for the determination of pesticide residues. Diss. Abs. 24(12, pt. 1):4964-4965. June 1964. 241.8 M58  
Insecticides in plants.
- 88141 KHASANOV, O. KH. Antibiotic properties of fungi of the genus *Trichoderma* Pers., isolated from meadow-boggy soils of the Uzbekistan. (Rus) Uzbek. Biol. Zhur. 6:62-67. Ref. 1962. 442.8 Uz1
- 88142 KISELA, F. Use of radioactive tracers and gamma rays in scientific research. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:112-115. 1964. 20 M57  
Plant research.
- 88143 KOCH, B. E. Review of fossil floras and non-marine deposits of West Greenland. Geol. Soc. Amer. B. 75(6):535-548, map. Ref. June 1964. 403 G29
- 88144 KOKK, V., and KALLASTE, A. Nature conservation in Valga District. (Es) Eesti Loodus 1: 23-26. Jan./Feb. 1963. 409.6 Ee7  
English summary.  
Includes notable trees.
- 88145 KRYWOLAP, G. N., and CASIDA, L. E. An antibiotic produced by the mycorrhizal fungus *Cenococcum graniforme*. Canad. J. Microbiol. 10(3):365-370. June 1964. 448.8 C162
- 88146 KRYWOLAP, G. N., GRAND, L. F., and CASIDA, L. E. The natural occurrence of an antibiotic in the mycorrhizal fungus *Cenococcum graniforme*. Canad. J. Microbiol. 10(3):323-328. June 1964. 448.8 C162
- 88147 KUPRIYANOV, A. L. A. Pollen and spores from lignitic clays of the Lake Smolino. (Rus) Akad. Nauk SSSR. Ural'skii Filial. Inst. Biol. Trudy 28:81-109. Ref. 1962. 442.9 Ak14  
English summary.
- 88148 LAKHANPAL, R. N. A new record of angiospermic leaf impressions from the Garo Hills, Assam. Cur. Sci. 33(9):276. May 5, 1964. 475 Sci23

- 88149 LANGENHEIM, J. H. Present status of botanical studies of ambers. Harvard U. Bot. Mus. L. 20(8):225-287, map. Ref. May 8, 1964. 451 H262
- 88150 LARSON, D. A. Processing pollen and spore exines for electron microscopy. Stain Technol. 39(4):237-243. Ref. July 1964. 442.8 St1
- 88151 LATEUR, L. A technique for growing *Acetabularia mediterranea*. (Fr) Rev. Algologie (n.s.) 7(1):26-37. Ref. Nov. 1963. 450 R3212  
In laboratory.
- 88152 LEGENDRE, J. Interesting "finds" in European gardens; personal reminiscences. Plants & Gard. (n.s.) 20(1):58, 64. Spring 1964. 450 P694
- 88153 LE GRAVEREND, E. The largest trees of France. (Fr) Rev. Hort. 136(2259):678-680. May/June 1964. 80 R32  
Hardwoods.
- 88154 LLOYD, R. M. Ethnobotanical uses of California pteridophytes by Western American Indians. Amer. Fern J. 54(2):76-82. Ref. Apr./June 1964. 450 Am35
- 88155 LOS, B. J. W. Some interesting finds from a Recent Holocene stratum in the dune region of Velsen. (Du) Levende Nat. 66(9):207-212, map. Ref. Sept. 1963. 410 L57  
Paleobotany.
- 88156 LYNN, R. J. A quick method of determining age of trembling aspen. Forestry Chron. 40(2):256. June 1964. 99.8 F7623  
Tree rings.
- 88157 MACE, K. D., and SWARTZ, D. Further studies on an antibiotic substance produced by *Rhizopus nigricans* Ehrenberg. Ark. Acad. Sci. Proc. 17:20-30. 1963. 500 Ar42
- 88158 MAINI, J. S., and COUPLAND, R. T. A simple technique for age determination in trembling aspen. Forestry Chron. 40(2):219-220. June 1964. 99.8 F7623  
Tree rings.
- 88159 MATHUR, Y. K. Studies in the fossil microflora of Kutch, India. I. On the microflora and the hystrichosphaerids in the gypseous shales (Eocene) of Western Kutch, India. Natl. Inst. Sci. India. Proc. 29(3, pt. B):356-371, map. Ref. June 26, 1963. 513 N212
- 88160 MATZKE, E. B. The aseptic culture of liverworts in microphytotrons. Bryologist 67(2):136-141. Ref. Summer 1964. 450 B84
- 88161 MENENDEZ AMOR, J., and FLORSCHUTZ, F. On the steppe elements in the Quaternary vegetation of Spain. (Fr) Soc. Espan. de Hist. Nat. B. Secc. Geol. 61(1):121-133, map. Ref. 1963. 403 So1  
Spanish summary.
- 88162 MEYER, M. P. Measurement of vegetation and terrain characteristics on small scale vertical aerial photographs. Minn. Acad. Sci. Proc. 31(2):153-156. 1964. 500 M663
- 88163 MEZEY, F. A notable elm tree at Balatonakaratya. (Hu) Buvár 8(6):364-365. Nov./Dec. 1963. 410 B98
- 88164 MICKELSON, J. C. Possible fossil gall from the Pierre Formation. S. Dak. Acad. Sci. Proc. 42:73-75. 1963. 500 So82  
Plant gall.
- 88165 MOORE, B. G., and TISCHER, R. G. *Palmellococcus* species as a carbon-energy source for the growth of *Torula utilis*. Devlpmt. Indus. Microbiol. 5:316-325. Ref. 1964. 448.3 D49  
For use in space biology.
- 88166 MORRIS, L. G., and CARPENTER, G. A. The design of plant growth chambers. Commonwealth Phytopath. News 10(1):3-6. Jan. 1964. 464.8 C73
- 88167 MOURA, A. R. Five new species of sub-fossil Diatomaceae for Mozambique. (Por) Soc. Brotteriana. B. (ser. 2) 37:147-159, map. Ref. 1963. 451 C66  
English summary.  
Includes *Gomphonema*, *Navicula*, and *Pinnularia*.
- 88168 NAGY, MRS. L. Palynology; the science of spores and pollens. (Hu) Elovilág 8(5):33-37. Sept./Oct. 1963. 410 EL6
- 88169 NIEUWENHOVEN, P. J. VAN. Concern about a city park. (Du) Nathist. Genootsch. Limburg. Nathist. Maandbl. 52(10):138-142. Oct. 30, 1963. 409.6 N2123N  
History and plantings in public gardens in Maastricht.
- 88170 NILSSON, T. Entwicklungsgeschichtliche Studien im Agerods Mosse, Schonen [Studies on the developmental history of Agerod moor, Skane]. Lund. U. Arsskr. 59(8), 34 p., map. Ref. 1964. 502 L97  
English summary.  
Pollen studies.
- 88171 NILSSON, T. Standardpollendiagramme und  $C^{14}$ -Datierungen aus dem Agerods Mosse im mittleren Schonen [Standard pollen diagrams and carbon 14 dating from the Agerod moor in central Skane]. Lund. U. Arsskr. 59(7), 52 p. Ref. 1964. 502 L97  
English summary.
- 88172 OJA, J. The tallest juniper in Estonia. (Es) Eesti Loodus 1:28. Jan./Feb. 1963. 409.6 Ee7
- 88173 OSWALD, W. J., and GOLUEKE, C. G. Fundamental factors in waste utilization in isolated systems. Devlpmt. Indus. Microbiol. 5:196-206. Ref. 1964. 448.3 D49  
Includes culture of algae in human wastes.
- 88174 PALAMAREV, E. Tertiary flora of carbon field of Pirin. (Bu) Bulgar. Akad. na Nauk. Bot. Inst. Izv. 11:69-101. Ref. 1963. 451 B87  
German summary.
- 88175 PETROPULOS, S. F. Automatic sampling device for study of synchronized cultures of microorganisms. Science 145(3629):268-270. July 17, 1964. 470 Sci2  
*Euglena gracilis*.
- 88176 PONS, A. Botanical analysis of the content of an antique amphora found off the Cap d'Agade (Heraut). (Fr) Nat. Monspeliensis. Ser. Bot. 13:43-50. Ref. 1961, pub. 1963. 451 M766
- 88177 QUIMBY, F. H. Some criteria of living systems useful in the search for extraterrestrial life. Devlpmt. Indus. Microbiol. 5:224-234. Ref. 1964. 448.3 D49  
Methods of detection of microorganisms.
- 88178 RAID, L. Dendrarria of Saaremaa. (Es) Eesti Loodus 5:290. Sept./Oct. 1963. 409.6 Ee7  
Arboretums.
- 88179 REPO, R. On the Late-Glacial vegetation of Jaamankangas, Finland. Suomalainen Eläin- ja Kasvitiet. Seura Vanamo. Tiedonannot 18(2):131-148, map. Ref. 1963. 410.9 Su7T
- 88180 RICHTER, M. Basic ideas of the color system DIN 6164. (Ge) Internatl. Hort. Cong. [Proc.], 16th Cong., v. 4:270-276. Ref. 1962, pub. 1964. 90.09 C7616P
- 88181 RITCHIE, J. C., and DE VRIES, B. Contributions to the Holocene paleoecology of western Canada; a Late-Glacial deposit from the Missouri Coteau. Canad. J. Bot. 42(6):677-692, map. Ref. June 1964. 470 C16C
- 88182 ROBERTSON, N. F. The botanical garden and its function in modern society. (Sp) Agronomia [Lima] 30(2):34-39. 1963. 9.8 Ag83
- 88183 RODRIGO, P. A., SANTIAGO, J. T., and DIRIGE, M. Introduction and acclimatization of some temperate fruits in the Philippines. Internatl. Hort. Cong. [Proc.], 16th Cong., v. 4:566-574. 1962, pub. 1964. 90.09 C7616P
- 88184 RUFFLE, L. Ecological assessment of cuticular marks on Tertiary leaves. (Ge) Berlin. Humboldt-U. Wiss. Z. Math. Natwiss. Reihe 13(1):25-46. Ref. 1964. 509 B453  
English summary.
- 88185 RUIZ-ORONÓZ, M., NIETO ROARO, D., and LARIOS RODRIGUEZ, I. Tratado elemental de botánica [Elementary treatise on botany]. Ed. 8. Mexico, Editorial Porrúa, 1964. 730 p. 452 R85
- 88186 SAARISALO-TAUBERT, A. Die Flora in ihrer Beziehung zur Siedlung und Siedlungsgeschichte in den sudfinnischen Städten Porvoo, Loviisa und Hamina [The flora in its relation to settlement and settlement history in the southern Finnish cities of Porvoo, Loviisa, and Hamina]. Suomalainen Eläin- ja Kasvitiet. Seura Vanamo. Kasvitiet. Julkaisu. 35(1), 190 p., map. Ref. 1963. 451 Su7  
The influence of man on the flora.



- 88187 SALMI, M. On the subfossil *Pediastrum* algae and molluscs in the Late-Quaternary sediments of Finnish Lapland. Suomalainen Eläin- ja Kasvitiet. Seura Vanamo. Tiedonannot 18(2): 105-120, map. Ref. 1963. 410.9 Su7T
- 88188 SALMI, M. Three subfossil saddle seals from East Bothnia; geological dating of the finds and some chronological observations. (Ge) Suomalainen Eläin- ja Kasvitiet. Seura Vanamo. Tiedonannot 18(2):82-95, map. Ref. 1963. 410.9 Su7T  
Includes pollen studies.
- 88189 SANDWICH, N. Y. Contributions to the flora of tropical America. LXX. Notes on some *Aublet* types in the Paris Herbarium. Kew. Roy. Bot. Gard. Kew B. 17(2):257-262. 1963. 451 K51B
- 88190 SANTA BARBARA (CALIF.) BOTANIC GARDEN. Annual report for the year 1963. Santa Los Angeles, 1964? 29 p. 451 Sa5A
- 88191 SAYRE, G., BONNER, C. E. B., and CULBERSON, W. L. The authorities for the epithets of mosses, hepatics, and lichens. Bryologist 67 (2):113-135. Summer 1964. 450 B84
- 88192 SCHEUMANN, W. Special press set for very small samples. (Ge) Z. f. Landwirt. Vers. u. Untersuchw. 10(2):169-171. 1964. 18 Z32  
English summary.  
Obtaining pressed juice from plants for investigation.
- 88193 SHEVCHUK, T. N. Plant introduction during post-war period and immediate prospects. (Rus) Trudy po Prikl. Bot. Genet. i Selekt 33(2): 131-141. 1963. 451 R92  
English summary.
- 88194 SIEBURTH, J. M. Antibacterial substances produced by marine algae. Devlpmt. Indus. Microbiol. 5:124-134. Ref. 1964. 448.3 D49
- 88195 SITHOLEY, R. V. Gymnosperms of India I. Fossil forms. Lucknow. Natl. Bot. Gard. B. 86, 78 p. Ref. 1963. 451 L962
- 88196 SOO, R. The Botanic Garden of the Eotvos Lorand Tudományegyetem is declared natural conservation area. (Hu) Buvar 9(1):3-6. Jan./Feb. 1964. 410 B98
- 88197 [SYMPOSIUM on] space microbiology. Devlpmt. Indus. Microbiol. 5:181-234. Ref. 1964. 448.3 D49  
Moderator: A. M. Shefner; panel members: L. Bongers, B. Kok, W. J. Oswald, C. G. Golueke, R. Ehrlich, B. Mieszkuc, J. E. Moyer, and F. H. Quimby.
- 88198 SZILAGYI-CZIFFERY, G. Contributions to the knowledge of Tertiary flora of Hungary. (Ge) Budapest. Magyar Nemzeti Muz. Evkon. 55:51-60. Ref. 1963. 410.9 B85E
- 88199 TANAKA, H. Common names of *Tagetes minuta* L. (Ja) J. Jap. Bot. 39(5):20. May 1964. 450 J8223
- 88200 TIMMERMAN, A., and KORIDON, J. A. F. Changes in the vegetation and bird population of the Zwartee Meer. (Du) Levende Nat. 66(10): 227-232. Oct. 1963. 410 L57
- 88201 VALPAS, A. The Finnish botanical literature published in 1960. (Fi) Suomalainen Eläin- ja Kasvitiet. Seura Vanamo. Tiedonannot 17(4): 203-218. 1962. 410.9 Su7T
- 88202 VASARI, Y., VASARI, A., and KOLI, L. Purkupaatanlampi, a calcareous mud series from Kuusamo, North East Finland. Suomalainen Eläin- ja Kasvitiet. Seura Vanamo. Tiedonannot 18(2):96-104. Ref. 1963. 410.9 Su7T  
Paleobotany.
- 88203 VASARI, Y. Studies on the vegetational history of the Kuusamo district (north east Finland) during the Late Quaternary period. II. Radiocarbon datings, preliminary report. Suomalainen Eläin- ja Kasvitiet. Seura Vanamo. Tiedonannot 18(2):121-127. Ref. 1963. 410.9 Su7T
- 88204 VIKTOROV, S. V., VOSTOKOVA, YE. A., and VYSHIVKIN, D. D. Short guide to geo-botanical surveying. New York, Macmillan, 1964. 158 p. Ref. 459.2 V69Ae  
Vegetation mapping.
- 88205 VOGEL, H. Moorstratigraphische und pollen-analytische Untersuchungen am Himmelmoor bei Quickborn [Investigations on the stratigraphy and pollen analysis of moors at Himmelmoor in Quickborn]. Arb. gemeinsch. f. Floristik in Schleswig-Holstein u. Hamburg. Mitt. 12, 35 p., map. Ref. 1963. 459.3 Ar1
- 88206 VOLK, M. On chondrites from the Devonian and culm of the Schwarzburg ridge. (Ge) Sencenb. Lethaea 45(1/4):285-297. Ref. Feb. 23, 1964. 402.8 Se5  
East Germany.
- 88207 WANDERS, H. Fall in the Wassenaar dunes. (Du) Levende Nat. 66(9):198-203. Sept. 1963. 410 L57  
Vegetation.
- 88208 WATTS, W. A. Interglacial deposits at Baggotstown, near Bruff, Co. Limerick. Trinity Col. Bot. Sch. Notes 6(4):167-189. Ref. Feb. 1964. 451 T73  
Includes Appendix II, The moss flora by J. H. Dickson.  
Paleobotany.
- 88209 WEST, R. G., LAMBERT, C. A., and SPARKS, B. W. Interglacial deposits at Ilford, Essex. Roy. Soc. Philos. Trans. Ser. B, Biol. Sci. 247 (738):185-212, map. Ref. June 11, 1964. 501 L84Pb  
Includes an appendix on the Bryophyta by J. H. Dickson.
- 88210 WITT, J. A. Research and the Arboretum. Arboretum B. 27(2):39-40. Summer 1964. 451 Ar1
- 88211 WUESTHOFF, F. A new international convention for the creation of a protective law for plant breeding. (Ge) Internatl. Hort. Cong. [Proc.], 16th Cong., v. 4:67-72. 1962, pub. 1964. 90.09 C7616P
- 88212 WURDACK, J. J. Botanical exploration of the Maranon rain forests. Gard. J. 14(4):143-146, map. July/Aug. 1964. 80 G1635
- 88213 WYMAN, D. Arnold Arboretum: patron to American horticulture. Amer. Nurseryman 70 (2):8-9. July 15, 1964. 80 Am371

## SYSTEMATIC AND GEOGRAPHIC BOTANY

## General

- 88214 BERGHEN, C. V. The vegetation of the banks of Lac de Hourtin (Gironde, France). (Fr) Brussels. Jard. Bot. d'l'Etat. B. 34(2):243-267. Ref. June 30, 1964. 451 B83B  
Floristics and ecology.
- 88215 BONDEV, I., and KUZMANOV, B. Materials on Bulgaria's flora. (Bu) Bulgar. Akad. na Nauk. Bot. Inst. Izv. 11:153-154. 1963. 451 B87  
English summary.
- 88216 CODY, W. J. Some rare plants from the Mackenzie Mountains, Mackenzie District, N. W. T. Canad. Field-Nat. 77(4):226-228. Ref. Oct./Dec. 1963. 410.9 Ot8
- 88217 FERNANDES, A. History of floristic studies in Portugal. (Por) Soc. Broteriana. Anu. 29: 21-66. 1963. 451 C66A
- 88218 GANCHEV, I., and DENCHEV, S. Floristic materials from the Stara Zagora Basin and from Surnena Gora. (Bu) Bulgar. Akad. na Nauk. Bot. Inst. Izv. 11:159-160. 1963. 451 B87  
German summary.
- 88219 GANCHEV, I., and VELCHEV, V. New materials to the flora in the Topolnitsa river area. (Bu) Bulgar. Akad. na Nauk. Bot. Inst. Izv. 12: 227-228. 1963. 451 B87  
German summary.
- 88220 GANCHEV, S., and KOCHEV, KH. New materials and notices on Bulgarian flora. (Bu) Bulgar. Akad. na Nauk. Bot. Inst. Izv. 11:149-152. 1963. 451 B87  
German summary.
- 88221 GONDEV, I. Floristic materials. (Bu) Bulgar. Akad. na Nauk. Bot. Inst. Izv. 11:165-166. 1963. 451 B87  
German summary.

- 88222 GREEN, J. W. Discontinuous and presumed vicarious plant species in southern Australia. Roy. Soc. West. Austral. J. 47(1):25-32, map. Ref. Apr. 24, 1964. 514 P432
- 88223 GUILLAUMIN, A. Peculiarities of New Caledonian flora. (Fr) Soc. de Biog. Compt. Rend. 39(344/346):69-71. Jan. 1963. 505 P216
- 88224 HANSEN, A. Saltholm's flora. (Da) Flora og Fauna 70(1):5-14, map. Mar. 1964. 410 F662
- 88225 HARA, H., and KUROSAWA, S. Cytotaxonomical remarks on some eastern Himalayan and Japanese plants. Advn. Frontiers Plant Sci. 8:25-31. Ref. 1964. 452.4 V81
- 88226 HEYWOOD, V. H. Developments in taxonomy and evolution. Times Sci. Rev. 52:12-14. Summer 1964. 472 T48  
Includes plants.
- 88227 HUTCHINSON, J., and DALZIEL, J. M. Flora of West Tropical Africa; all territories in West Africa south of latitude 18°N. and to the west of Lake Chad, and Fernando Po vol. II. 544 p., map. Oct. 18, 1963. 460.43 H97
- 88228 JANCHEN, E. Nomenclatorial observations of W. Rothmaler, critical supplement to German excursion flora. (Ge) Feddes Repert. Specierum Nov. Reg. Veg. 69(1):62-67. May 1, 1964. 450 R29
- 88229 KAPOOR, L. D., SARIN, Y. K., and DUTT, A. K. A botanical tour of Trikuta Hills. Bombay Nat. Hist. Soc. J. 60(3):530-545. Dec. 1963. 513 B63  
A systematic census.
- 88230 KUVAEV, V. B. Geobotanical characteristics of the polar Ural area. (Rus) Akad. Nauk SSSR. Ural'skii Filial. Inst. Biol. Trudy 28:39-43. Ref. 1962. 442.9 Ak14
- 88231 LOUSLEY, J. E. The Berkshire records of Job Lousley (1790-1855). Bot. Soc. Brit. Isles. Proc. 5(3):203-209. Ref. Feb. 1964. 451 B658Pr
- 88232 MINYAEV, N. A., and SHMIDT, V. M. Fourth year of investigation of the flora of the Pskovsk region. (Rus) Leningrad. U. Vest. Ser. Biol. 3: 161-162. 1963. 442.9 L542V
- 88233 OOSTSTROOM, S. J. VAN, and REICHGELT, T. J. Adventives along the Meuse in Limburg. IV. (Du) Nathist. Genootsch. Limburg. Nathist. Maandbl. 52(1):5. Jan. 30, 1963. 409.6 N2123N
- 88234 OOSTSTROOM, S. J. VAN., and REICHGELT, T. J. New finds of unusual plants in the Netherlands in 1962. (Du) Levende Nat. 66(8):183-188. Aug. 1963. 410 L57
- 88235 OOSTSTROOM, S. J. VAN., and REICHGELT, T. J. New plant varieties found in the Netherlands in 1962. (Du) Levende Nat. 66(8):188-190. Aug. 1963. 410 L57
- 88236 PARENTI, R. L. The vascular plants of Clay County. S. Dak. Acad. Sci. Proc. 42:108-123. 1963. 500 So82
- 88237 PERRING, F. H., SELL, P. D., and WHITEHOUSE, S. M. A flora of Cambridgeshire. Cambridge, Cambridge U. Press, 1964. 366 p., map. Ref. 458 P42F  
With a section on Bryophyta by H. L. K. Whitehouse.
- 88238 PETCH, C. P., and SWANN, E. L. Supplement to "West Norfolk Plants To-day." Bot. Soc. Brit. Isles. Proc. 5(3):227-229. Feb. 1964. 451 B658Pr
- 88239 PIZZOLONGO, P. An unpublished work of Dr. Tommaso Levante "Saggio della Flora Patrii" revised and enlarged. (It) Naples. U. Facol. di Sci. Agr. Ann. (ser. 3) 29:421-467. Ref. 1963/64. 105.4 P83  
English summary.
- 88240 PLAVSIC-GOJKOVIC, N. Little known plants from the Plitvice Lakes National Park. (Ge) Internatl. Hort. Cong. [Proc.], 16th Cong., v. 4: 73-80, map. Ref. 1962, pub. 1964. 90.09 C7616P
- 88241 REED, C. F. A flora of the chrome and manganese ore piles at Canton, in the port of Baltimore, Maryland and at Newport News, Virginia, with descriptions of genera and species new to the flora of Eastern United States. Phytologia 10(5):321-406. July 1964. 450 P563
- 88242 ROSS, D. H. New records of the flora of Somerset County, Pennsylvania. Castanea 29(2): 124-126. June 1964. 450 So82
- 88243 SOKOLOVSKAYA, A. P. Geographical distribution of polyploid plant species (investigations on the flora of Kamchatka). (Rus) Leningrad. U. Vest. Ser. Biol. 3:38-52. Ref. 1963. 442.9 L542V  
English summary.
- 88244 [SYMPOSIUM on] numerical taxonomy. Devlpmt. Indus. Microbiol. 5:149-179. Ref. 1964. 448.3 D49  
Moderator: S. Gould; panel members: C. Quadling, R. R. Colwell, W. R. Lockhart, S. M. Walters, and J. N. Adams.  
Includes Principles of taxonomy by S. M. Walters; on plant taxonomy.
- 88245 STEFANOV, B. Further materials on Bulgarian flora. (Bu) Bulgar. Akad. na Nauk. Bot. Inst. Izv. 11:155-157. 1963. 451 B87  
German summary.
- 88246 VALENTINE, D. H. Patterns of speciation in higher plants. Suomalainen Eläin- ja Kasvitiet. Seura Vanamo. Tiedonannot 18(2):69-82. Ref. 1963. 410.9 Su7T
- 88247 VERDCOURT, B. Notes from the East African Herbarium. XV. Kew. Roy. Bot. Gard. Kew B. 17(3):489-501, map. 1964. 451 K51B
- 88248 VIKHODTSEVSKI, N. Some rare and new plants of the flora of Bulgaria. (Bu) Bulgar. Akad. na Nauk. Bot. Inst. Izv. 12:229-231. 1963. 451 B87  
French summary.
- 88249 VULEV, S. Materials on Bulgaria's flora. (Bu) Bulgar. Akad. na Nauk. Bot. Inst. Izv. 11:145-147. 1963. 451 B87  
English summary.
- 88250 WEBB, D. A. Noteworthy plants of the Burren: a catalogue raisonne. Trinity Col. Bot. Sch. Notes 6(4):117-134, map. Ref. Feb. 1964. 451 T73
- 88251 WEBB, D. A., and GLANVILLE, E. V. The vegetation and flora of some islands in the Connemara Lakes. Trinity Col. Bot. Sch. Notes 6(4):31-54, map. Feb. 1964. 451 T73
- 88252 WILLIS, J. C. N. Some botanical notes, 1963. Suffolk Nat. Soc. Trans. 12(5):364-365. Jan. 1, 1964. 410.9 Su2  
Notes on British flora.

#### Spermatophytes

- 88253 AELLEN, P. Valid publication in Hegi's newly described taxa (Chenopodiaceae). (Ge) Feddes Repert. Specierum Nov. Reg. Veg. 69(1):68-70. May 1, 1964. 450 R29
- 88254 AHUJA, A. Illustrations of Indian plants; Cyperus. I. Lucknow. Natl. Bot. Gard. B. 85, 12 p. 1963. 451 L962
- 88255 ALTSCHUL, A. V. R. A taxonomic study of the genus Anadenanthera. Gray Herb. Harvard U. Contrib. 193:3-35, map. Ref. 1964. 451 G792
- 88256 AMBLER, A. W. My friends, the wildlings of the New York Botanical Garden. Gard. J. 14(4):151-154. (Cont.) July/Aug. 1964. 80 G1635  
Includes wild flowers.
- 88257 ANTSHIPAW, V. H., and FEDARAVA, R. Exotic conifers of Kaliningrad area. (Be) Minsk. Belaruskaya Akad. Navuk. Vestsi. Ser. Biyal. Navuk 4:34-39. 1963. 442.8 M66  
Russian summary.  
Acclimatization.
- 88258 ASHBY, W. C. A note on basswood nomenclature. Castanea 29(2):109-116. Ref. June 1964. 450 So82  
Tilia.
- 88259 AUKES, P. White rampion [Phyteuma spicatum L.]. (Du) Natura [Heemstede] 60(9):151. Oct. 1963. 410 N2192
- 88260 BALL, P. W. A revision of Cakile in Europe. Feddes Repert. Specierum Nov. Reg. Veg. 69(1):35-40. May 1, 1964. 450 R29
- 88261 BALL, P. W. A taxonomic review of Salicornia in Europe. Feddes Repert. Specierum Nov. Reg. Veg. 69(1):1-8. Ref. May 1, 1964. 450 R29



- 88262 BALLARD, P. Northwest members of the Ericaceae. *Arboretum B.* 26(4):116-118. Winter 1963. 451 Ar1
- 88263 BARABITS, E. A new Chinese conifer in Hungary. (Ge) *Deut. Baumsch.* 16(2):37. Feb.1, 1964. 80 D486  
*Taxus speciosa*.
- 88264 BARKLEY, T. M. Preliminary reports on the flora of Wisconsin No. 49. Compositae II—composite family II. The genus *Senecio*—the ragworts—in Wisconsin. *Wis. Acad. Sci. Arts & Let. Trans.* 52:343-352, map. 1963. 500 W75
- 88265 BARTHODEISZKY, A. Communication on the occurrence and acclimatization of *Helminthia echinoides* Gartn. in Hungary. (Ge) *Internatl. Seed Testing Assoc. Proc.* 29(1):27-31, map. 1964. 61.9 In84P  
English summary.
- 88266 BAZILEVSKAYA, N. A. The indigenous plants of the U.S.S.R.—breeding material for decorative plants. (Fr) *Internatl. Hort. Cong.* [Proc.], 16th Cong., v.4:90-93. 1962, pub. 1964. 90.09 C7616P
- 88267 BEZBARUAH, H. P., and BEZBARUAH, B. *Solanum aculeatissimum* Jacq.: a new record for northern India. *Bombay Nat. Hist. Soc. J.* 60(3):759-761. Dec. 1963. 513 B63
- 88268 BONDEV, I., and KOZHUKHAROV, S. Contribution to closer determination of composition of species of the genus *Medicago* L. in Bulgaria. (Bu) *Bulgar. Akad. na Nauk. Bot. Inst. Izv.* 11:161-163. 1963. 451 B87  
German summary.
- 88269 BOTSCHANTZEV, V. Once more about the genera *Winkleria* Rgl. and *Uranodactylus* Gilli. (Ge) *Feddes Repert. Specierum Nov. Reg. Veg.* 69(1):67-68. May 1, 1964. 450 R29
- 88270 BRAVO H., H. Classification of the Cactaceae. (Sp) *Cactaceas y Suculentas Mex.* 8(2):37-38. (Cont.) Apr./June 1963. 450 C115  
English summary, p.55.
- 88271 BREITUNG, A. J. Cultivated and native Agaves in the southwestern United States. 31. *Cactus & Succulent J.* 36(3):71-73. May/June 1964. 451 C11
- 88272 BRENNAN, J. P. M. Notes on African *Caesalpinioideae*. *Kew. Roy. Bot. Gard. Kew B.* 17(2):197-214. 1963. 451 K51B  
Includes n. spp. in *Caesalpinia*, *Parkinsonia*, *Cynometra*, and *Berlinia*.
- 88273 BRENNAN, J. P. M. Notes on *Mimosoideae*. VIII. A further note on *Piptadenia* Benth. *Kew. Roy. Bot. Gard. Kew B.* 17(2):227-228. 1963. 451 K51B
- 88274 BRENNAN, J. P. M. The species of *Isobertinia* (Leguminosae). *Kew. Roy. Bot. Gard. Kew B.* 17(2):219-226. 1963. 451 K51B
- 88275 BRIZICKY, G. K. The genera of *Cistaceae* in the southeastern United States. *Arnold Arboretum J.* 45(3):346-357. Ref. July 1964. 451 Ar6J
- 88276 BROWN, J. R. Interesting succulents. *Cactus & Succulent J.* 36(3):64. May/June 1964. 451 C11  
*Pterodiscus aurantiacus*.
- 88277 BROWN, J. R. Notes on *Haworthias*. *Cactus & Succulent J.* 36(3):74-75. May/June 1964. 451 C11
- 88278 BRUMMITT, R. K., and HEYWOOD, V. H. A review of *Herniaria* subgen. *Heterochiton* in Europe. *Feddes Repert. Specierum Nov. Reg. Veg.* 69(1):24-32. Ref. May 1, 1964. 450 R29
- 88279 BULLOCK, A. A. A new name in *Asclepiadaceae*. *Kew. Roy. Bot. Gard. Kew B.* 17(3):487. 1964. 451 K51B  
*Loniceroides*.
- 88280 CARAUS, V. Contributions concerning the botanical systematics of the species *Oryza sativa* (Rum) *Bucharest. Inst. Agron. Timisoara. Lucrari Sti.* 6:51-57. 1963. 106.4 T48  
English summary.
- 88281 CARTER, S. Synonymy in the *Iridaceae*. *Kew. Roy. Bot. Gard. Kew B.* 17(2):317. 1963. 451 K51B
- 88282 CHATER, A. O. *Paronychia echinulata* Chater. *Feddes Repert. Specierum Nov. Reg. Veg.* 69(1):52-53. May 1, 1964. 450 R29  
A new sp.
- 88283 CHAVAN, A. R., SABNIS, S. D., and BEDI, S. J. *Desmodium neomexicanum* A. Gray (Leguminosae) from India. *Kew. Roy. Bot. Gard. Kew B.* 17(2):265. 1963. 451 K51B
- 88284 CHOPRA, S. Illustrations of Indian plants; *Taraxacum*. I. Lucknow. *Natl. Bot. Gard. B.* 91, 20 plates. 1964. 451 L962
- 88285 CIANCIULLI, P. L. "Bussaco cedar" [*Cupressus lusitanica*] and "Calvo pine" [*Taxodium distichum*], two important *Coniferae*. (Por) *Rural* 44(514):36-37. Feb. 1964. 9.2 B733  
Includes description and geographic distribution.
- 88286 CLAYTON, W. D. Studies in the *Gramineae*. V. *Kew. Roy. Bot. Gard. Kew B.* 17(3):465-470. 1964. 451 K51B  
Includes n. spp. in *Andropogon*.
- 88287 CLELAND, J. B. *Myoporum platycarpum*. *So. Austral. Nat.* 38(1):12. Sept. 1963. 410 So82
- 88288 CLEMENT, D., and PHILLIPS, L. L. A new *Gossypium* from the Cape Verde Islands. *Harvard U. Bot. Mus. L.* 20(7):213-220. Nov. 29, 1963. 451 H262  
A new species.
- 88289 CRUISE, J. E. Studies of natural hybrids in *Amelanchier*. *Canad. J. Bot.* 42(6):651-663. Ref. June 1964. 470 C16C
- 88290 CULLEN, J., and HEYWOOD, V. H. Notes on the European species of *Paeonia*. *Feddes Repert. Specierum Nov. Reg. Veg.* 69(1):32-35, map. May 1, 1964. 450 R29
- 88291 DEB, D. B. A new species of *Tacca* Forst. from North East Frontier Agency, India. *Indian Forester* 90(4):241-243. Apr. 1964. 99.8 In2
- 88292 DERERA, N. F. *Gossypium nandawarensis*, a hitherto undescribed *Gossypium* species in Australia. *Empire Cotton Growing Rev.* 41(1):13-15. Jan. 1964. 72.8 Em7
- 88293 DUDLEY, T. R. *Alyssum turgidum*: a new species from Iran. *Great Basin Nat.* 24(1):7-12. Ref. Mar. 31, 1964. 410 G79
- 88294 DUDLEY, T. R. Synopsis of the genus *Alyssum*. *Arnold Arboretum J.* 45(3):358-373. July 1964. 451 Ar6J
- 88295 EBINGER, J. E. Taxonomy of the subgenus *Pterodes*, genus *Luzula*. *N. Y. Bot. Gard. Mem.* 10(5):279-304, map. Ref. Feb. 17, 1964. 451 N48
- 88296 ENDTMANN, J. Distribution and taxonomy of the genus *Ononis* in northeast Germany. (Ge) *Feddes Repert. Specierum Nov. Reg. Veg.* 69(2):103-131. Ref. June 1, 1964. 450 R29
- 88297 EXELL, A. W. Plants of the 1957-58 West African Expedition. IV. A new species of *Combretum* from northern Nigeria. *Kew. Roy. Bot. Gard. Kew B.* 17(2):233-236. 1963. 451 K51B  
Includes n. sp.
- 88298 EXELL, A. W., and STACE, C. A. A revision of the genera *Buchenavia* and *Ramatoulla*. *Brit. Mus. (Nat. Hist.) B. Bot.* 3(1), 46 p., map. 1963. 451 B774  
Includes n. spp. in both genera.
- 88299 FEINBRUN, N., and STEARN, W. T. Typification of *Lycium barbarum* L., *L. afrum* L. and *L. europaeum* L. *Israel J. Bot.* 12(3):114-123. Ref. Mar. 1964. 450 Is7  
Includes appendix: Key to the species of *Lycium* occurring in the U.S.S.R., by A. I. Pojarkova.
- 88300 FERREYRA, R. Dos especies nuevas de *Monnina* (Polygalaceae) para la flora peruana [New taxa of *Monnina* (Polygalaceae) from Peru]. *U. Nac. Mayor de San Marcos. Mus. de Hist. Nat. "Javier Prado."* P. Ser. B, Bot. 14, 5 p. Sept. 1963. 451 Un3
- 88301 FITTKAU, H. W. Finding *Cactaceae* and succulents in the region of Colon, Queretaro. (Sp) *Cactaceas y Suculentas Mex.* 8(2):39-47. Apr./June 1963. 450 C115  
English summary, p.55.
- 88302 FORMAN, L. L. *Trigonobalanus*, a new genus of *Fagaceae*, with notes on the classification of the family. *Kew. Roy. Bot. Gard. Kew B.* 17(3):381-396. Ref. 1964. 451 K51B

- 88303 FORSHUFVUD, U. *Salix napoleonis*; some data about the so-called Napoleonic willows. *Acta Horti Gotoburgensis* 26:5-18. Ref. 1963. 451 G712  
Probably *Salix babylonica*.
- 88304 GARDNER, C. A., and GEORGE, A. S. Eight new plants from Western Australia. *Roy. Soc. West. Austral. J.* 46(4):129-138. Dec. 18, 1963. 514 P432  
Includes n. spp. in *Grevillea*, *Stackhousia*, *Verticordia*, *Calytrix*, *Eremaea* and *Leschenaultia* and *Neogoodenia* n. g.
- 88305 GILLETT, J. B. *Astragalus* L. (Leguminosae) in the highlands of tropical Africa. *Kew. Roy. Bot. Gard. Kew B.* 17(3):413-423. 1964. 451 K51B
- 88306 GILLETT, J. B. *Biserrula* L. (Leguminosae) in tropical Africa and the number of fertile stamens in this genus. *Kew. Roy. Bot. Gard. Kew B.* 17(3):503-506. 1964. 451 K51B
- 88307 GILLETT, J. B. *Coronilla* L. (Leguminosae) in Somaliland. *Kew. Roy. Bot. Gard. Kew B.* 17(3):563. 1964. 451 K51B
- 88308 GJAEREVOLL, O. Botanical investigations in central Alaska, especially in White Mts. II. Dicotyledones *Salicaceae-Umbelliferae*. *Norske Vidensk. Selsk. Skr.* 1963(4), 115 p., map. Ref. 1964. 502 T41S
- 88309 GLASS, C. *Pelecypora-Solisia*. *Cactus & Succulent J.* 36(3):77-80. May/June 1964. 451 C11
- 88310 GRAHAM, S. A. The genera of *Rhizophoraceae* and *Combretaceae* in the southeastern United States. *Arnold Arboretum J.* 45(3):285-301. Ref. July 1964. 451 Ar6J
- 88311 GRAHAM, S. A. T. Systematic studies in the genus *Cuphea* (Lythraceae). *Diss. Abs.* 24(12, pt. 1):4940. June 1964. 241.8 M58
- 88312 GROOT, C. Knotgrass. (Du) *Natura [Heemstede]* 60(9):150. Oct. 1963. 410 N2192  
Probably *Polygonum amphibium*.
- 88313 GUBANOV, I. A. Biology, distribution and resources of *Thermopsis turkestanica*. (Rus) *Bot. Zhur. [Moscow]* 49(3):417-423, map. Ref. 1964. 451 R923
- 88314 GUILLAUMIN, A. New, rare, or critical plants from the conservatories of the Museum. Notes on some *Orchidaceae* from Indochina. XXXI. (Fr) *Paris. Mus. Natl. d'Hist. Nat. B.* (ser. 2) 35(2):204-206. 1963. 410.9 P213  
Includes new species in *Oberonia*, *Bulbophyllum*, *Cirrhopetalum*, and *Saccolabium*. Vietnam.
- 88315 GUILLAUMIN, A., and VIROT, R. Taxonomy and distribution of *Araucaria* in New Caledonia. (Fr) *Soc. de Biog. Compt. Rend.* 39(344/346): 71-75. Jan. 1963. 505 P216
- 88316 HALLIDAY, G. Studies in the *Minuartia verna* complex. I. *Feddes Repert. Specierum Nov. Reg. Veg.* 69(1):8-14. Ref. May 1, 1964. 450 R29
- 88317 HAMAYA, T. Taxonomical notes on *Daphneae* (Thymelaeaceae). *Acta Horti Gotoburgensis* 26:63-99. Ref. 1963. 451 G712
- 88318 HARA, H. A variety of *Forsythia japonica* from Is. Shodoshima. (Ja) *J. Jap. Bot.* 39(5):4. May 1964. 450 J8223
- 88319 HARRISON, D. E., and BEAL, E. O. The *Lemnaceae* (duckweeds) of North Carolina. *Elisha Mitchell Sci. Soc. J.* 80(1):12-18, map. May 1964. 500 EL4
- 88320 HEISER, C. B. Some observations of pollination and compatibility in *Magnolia*. *Ind. Acad. Sci. Proc.* 72:259-262. Ref. 1962, pub. 1963. 500 In2  
Includes evolution of the genus.
- 88321 HEYWOOD, V. H., and GUINEA, E. *Biscutella*: taxonomic and nomenclatural notes. *Feddes Repert. Specierum Nov. Reg. Veg.* 69(2):144-151. June 1, 1964. 450 R29  
Includes n. spp.
- 88322 HEYWOOD, V. H. The genus *Sesamoides* Ortega. *Feddes Repert. Specierum Nov. Reg. Veg.* 69(1):40-44. May 1, 1964. 450 R29
- 88323 HEYWOOD, V. H. The identity of *Sisymbrium laevigatum* Willd. *Feddes Repert. Specierum Nov. Reg. Veg.* 69(2):142-143. June 1, 1964. 450 R29
- 88324 HORICH, C. K. *Epiphyllum pittieri*. *Cactus & Succulent J.* 36(3):87-88. May/June 1964. 451 C11
- 88325 HU, S. Y. The economic botany of *Hodgsonia*. *Econ. Bot.* 18(2):167-179, map. Ref. Apr./June 1964. 450 Ec7
- 88326 JAGER, E. Interpretation of the areal picture of *Wolffia arrhiza* (L.) Wimm. and some other ornithophilous aquatic plants. (Ge) *Deut. Bot. Gesell. Ber.* 77(4):101-111, map. Ref. 1964. 451 D48
- 88327 JANSSON, C. A. A new *Begonia* from Indonesia. (Ge) *Acta Horti Gotoburgensis* 26:1-4. 1963. 451 G712  
A new species.
- 88328 JERVIS, R. A., and BUELL, M. F. *Acorus calamus* in New Jersey. *Torrey Bot. Club. B.* 91(4):335-336. July/Aug. 1964. 451 T63B
- 88329 JOHNSON, M. F., and ILTIS, H. H. Preliminary reports on the flora of Wisconsin No. 48 *Compositae I-composite family I* (Tribes *Eupatorieae*, *Vernonieae*, *Cynarieae*, and *Cichorieae*). *Wis. Acad. Sci. Arts & Let. Trans.* 52: 255-342, map. Ref. 1963. 500 W75
- 88330 JOHNSTON, M. C. Novelities in *Colubrina* including *Cormonema* and *Hybosperma* (Rhamnaceae). *Wrightia* 3(5):91-96. Dec. 1963. 450 W93  
Includes n. spp. in *Colubrina*.
- 88331 KAUR, H. Illustrations of Indian plants; *Crotalaria*. I. Lucknow. *Natl. Bot. Gard. B.* 87, 14 plates. 1964. 451 L962
- 88332 KENT, D. H. *Senecio squalidus* L. in the British Isles. 4-6. *Bot. Soc. Brit. Isles. Proc.* 5(3): 210-219. Ref. Feb. 1964. 451 B658Pr
- 88333 KIRPICHNIKOV, M. M. *Dyas specierum novarum generis Steptorhamphus* Bge. *Akad. Nauk SSSR. Bot. Inst. im. V. L. Komarova. Gerbarii. Bot. Mater.* 22:318-326. 1963. 451 Sa22  
Text in Russian.
- 88334 KOZHUKHAROV, S. Notes on certain species of genus *Luzula* DC. (woodrush) in Bulgaria. (Bu) *Bulgar. Akad. na Nauk. Bot. Inst. Izv.* 11: 125-139. Ref. 1963. 451 B87  
English summary.
- 88335 KRAEHEBUEHL, D. N. *Acacia calamifolia* at Para Hills. *So. Austral. Nat.* 38(1):12. Sept. 1963. 410 So82
- 88336 KUZMANOV, B. A taxonomic study of the species of genus *Euphorbia* L. widespread in Bulgaria. (Bu) *Bulgar. Akad. na Nauk. Bot. Inst. Izv.* 12:101-186, map. Ref. 1963. 451 B87  
English summary.
- 88337 LAMBINON, J. Contribution a l'etude de la flore adventice de la Belgique. III. Une *Amaranthus dioique* nouvelle pour la Belgique: *Amaranthus palmeri* S. Wats. [Contribution to the study of self-sown flora of Belgium. III. A new dioecious amaranth for Belgium: *Amaranthus palmeri* S. Wats.]. *Lejeunia* (n.s.) 18, 3 p. June 1963. 450 L532
- 88338 LAUNERT, E. *Loxodera* and *Lepargochloa*, two new genera (Gramineae) from South Tropical Africa. *Soc. Broteriana. B.* (ser. 2) 37:78-89. 1963. 451 C66
- 88339 LEHR, J. H. *Viola papilionacea* Pursh forma *Michaeli* E. Creutz. *Torrey Bot. Club. B.* 91(4): 334-335. July/Aug. 1964. 451 T63B
- 88340 LEISTER, M. M. Mistletoe; to steal a kiss. *Frontiers* 28(2):35-37. Dec. 1963. 410 F92  
Phoradendron.
- 88341 LOGAN, L. A. A list of seed plants of Lincoln Parish, Louisiana. *La. Acad. Sci. Proc.* 26:18-32. Dec. 1963. 500 L932
- 88342 LOROUGNON, G. A new species of *Mapania* (Cyperaceae) from the Ivory Coast. (Fr) *Brussels. Jard. Bot. de l'Etat. B.* 34(2):297-300. June 30, 1964. 451 B83B
- 88343 LUNDELL, C. L. Studies of the American *Myrsinaceae*. I. *Wrightia* 3(5):77-90. Dec. 1963. 450 W93  
Includes new spp. in *Ardisia*, *Parathesis* and *Synardisia* n. g.



- 88344 MATUDA, E. Iconography of the Mexican agaves—*Agave cupreata*. (Sp) *Cactaceas y Suculentas Mex.* 8(2):54. Apr./June 1963. 450 C115  
English summary, p.56.
- 88345 MAGUIRE, B., and WURDACK, J. J. The botany of the Guayana Highland. V. N. Y. Bot. Gard. Mem. 10(5):1-278. Feb.17,1964. 451 N48  
Contains n. spp. in *Arthrostylidium*, *Mero-stachys*, *Abolboda*, *Xyris*, *Navia*, *Bromelia*, *Aechmea*, *Piper*, *Peperomia*, *Aniba*, *Licaria*, *Mezilaurus*, *Endlicheria*, *Persea*, *Phoebe*, *Ocotea*, *Pleurothyrium*, *Lorostemon*, *Thysanostemon* n. g., *Ernestia*, *Macairea*, *Tibouchina*, *Comolia*, *Mallophyton* n. g., *Pachyloma*, *Adelobotrys*, *Phainantha*, *Graffenrieda*, *Neblinantha* n. g., *Centronia*, *Maguireanthus* n. g., *Trysso-phyton* n. g., *Macrocentrum*, *Boyania* n. g., *Leandra*, *Miconia*, *Tococa*, *Maieta*, *Clidemia*, *Calycophyllum*, *Capirona*, *Dendrosipanea*, *Hillia*, *Kotchubaea*, *Neblinathamnus* n. g., *Perama*, *Platycarpum*, *Schradera*, *Chalepophyllum* and *Maguireothamnus* n. g.
- 88346 MELCHERT, T. E. Systematics of the genus *Thelesperma* (a cytotaxonomic and chemotaxonomic study). Diss. Abs. 24(12,pt.1):4944. June 1964. 241.8 M58
- 88347 MENDES, E. J. *Adições et adnotaciones florae Angolensis*. VII. Soc. Broteriana. B. (ser.2)37:161-164. 1963. 451 C66  
Text in Portuguese.  
New spp. in *Odoniodendron* and *Calpocalyx*.
- 88348 MENZIES, A. L. Dwarf conifers in Strybing Arboretum. *Arboretum B.* 26(4):102-104,124. Winter 1963. 451 Ar1  
San Francisco.
- 88349 MEYRAN, J. *Sedum aikon*. *Cactaceas y Suculentas Mex.* 8(2):51-53. Apr./June 1963. 450 C115  
Text in Spanish.  
English summary, p.55.
- 88350 MOHLENBROCK, R. H. Reorganization of genera within tribe Ingeae of the mimosoid Leguminosae. *Reinwardtia* 6(4):429-442. Ref. Dec.1963. 450 R272
- 88351 MOHLENBROCK, R. H. Subgeneric categories of *Pithecellobium* Mart. *Reinwardtia* 6(4):443-447. Dec.1963. 450 R272
- 88352 MOLDENKE, H. N. Materials toward a monograph of the genus *Verbena*. XXI. *Phytologia* 10(5):406-416. July 1964. 450 P563
- 88353 MOLINA R., A. *Coniferae of Honduras*. (Sp) *Ceiba* 10(1):5-21. Ref. Mar.1964. 475 C32
- 88354 MONNIER, P. *Spergularia tangerina* P. Monnier, sp. nov. *Feddes Repert. Specierum Nov. Reg. Veg.* 69(1):50. May 1,1964. 450 R29
- 88355 MORAN, R. *Graptopetalum amethystinum* (Rose) Walther. *Cactaceas y Suculentas Mex.* 8(2):31-37. Apr./June 1963. 450 C115  
Text in Spanish.  
English summary, p.54-55.
- 88356 NARASIMHASWAMY, R. L., and VISHVESHWARA, S. A note on the occurrence of three species of *Coffea* indigenous to India. *Coffee* 5 (19):65-71, map. Ref. Oct./Dec.1963. 68.28 C117Ae  
*Coffea bengalensis*, *C. travancorensis*, and *C. wightiana*.
- 88357 NITZELIUS, T. *Rhododendron cuprescens*, a new species from western China. *Acta Horti Gotoburgensis* 26:117-121, map. 1963. 451 G712
- 88358 OHBA, T. *Carex rupestris* found in Japan. (Ja) *J. Jap. Bot.* 39(5):11. May 1964. 450 J8223
- 88359 PARR, C. A. E., HORWOOD, F. K., and MORTIMER, K. V. Exotic xerophytes. 1. *Natl. Cactus & Succulent J.* 19(2):21-22. June 1964. 450 N21  
*Euphorbia decidua*.
- 88360 PHILCOX, D. Typification of *Ruellia antipoda* Linn. and clarification of its synonymy. *Kew. Roy. Bot. Gard. Kew B.* 17(3):481-484. 1964. 451 K51B
- 88361 PONTIROLI, A. Flora Argentina; *Calyceaceae* [Flora of Argentina; *Calyceaceae*]. La Plata. U. Nac. Mus. Rev. Sec. Bot. (n.s.)9(41): 175-241. Ref. 1963. 516 L31Rb
- 88362 POPOV, M. G. On the system and phylogeny of the genus *Mertensia* Roth (Boraginaceae), based on the comparison of American and Asiatic species. 18 p. Transl. 13465  
Translation from *Akademiya Nauk SSSR. Botanicheskii Institut im. V. L. Komarova. Gerbarii. Botanicheskie Materialy* v. 15. 1953.
- 88363 RAO, R. S., and RAGHAVAN, R. S. *Capparis moonii* Wt.: a reinvestigation of its identity & value as a drug. *J. Sci. & Indus. Res.* 23(2):53-57. Ref. Feb.1964. 475 J82
- 88364 RAVEN, P. H. The Old World species of *Ludwigia* (including *Jussiaea*), with a synopsis of the genus (*Onagraceae*). *Reinwardtia* 6(4):327-427, map. Dec.1963. 450 R272
- 88365 RAYMOND-HAMET. On four *Kalanchoe* (of which three are new) from Angola and on a *Kalanchoe* from Mozambique. (Fr) Soc. Broteriana. B. (ser.2)37:5-33. 1963. 451 C55
- 88366 REED, C. F. *Orchidaceae of Maryland, Delaware and the District of Columbia*. *Castanea* 29 (2):77-109, map. Ref. June 1964. 450 S082
- 88367 RICHARDSON, A. L. Some monocotyledonous plants of East Baton Rouge Parish. La. Acad. Sci. Proc. 26:9-15. Ref. Dec.1963. 500 L932
- 88368 ROBYNS, A. *Thymelaeaceae congolanae*. I. Four new *Craterosiphon*. (Fr) Brussels. Jard. Bot. de l'Etat. B. 34(2):301-307, map. June 30, 1964. 451 B83B
- 88369 ROHWEDER, O. "One-sided" and "two-sided" cincinni in the *Commelinaceae*—a correction. *Kew. Roy. Bot. Gard. Kew B.* 17(2):315-316. 1963. 451 K51B
- 88370 ROLLA, S. R. *Hyphaene indica* Becc. along the west coast of India. *Bombay Nat. Hist. Soc. J.* 60(3):761-763. Dec.1963. 513 B63
- 88371 ROSE, H. The most interesting blooms observed in the greenhouses of the Museum during the year 1962 (*Orchidaceae*). (Fr) Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)35(4):454-455. 1963. 410.9 P213
- 88372 ROSS-CRAIG, S. Drawings of British plants; being illustrations of the species of flowering plants growing naturally in the British Isles. XIX. *Lobeliaceae*, *Campanulaceae*, *Ericaceae*, *Pyrolaceae*, *Monotropaceae*, *Diapensiaceae*. London, Bell & Sons, 1963. 37 plates. 458 R73
- 88373 ROY, K. K. *Eragrostis*. Lucknow. Natl. Bot. Gard. B. 90, 26 p. Ref. 1964. 451 L962
- 88374 SAARSOO, B. New *Taraxaca* from the West Coast of Sweden. (Sw) *Acta Horti Gotoburgensis* 26:101-115. Ref. 1963. 451 G712  
English summary.  
Includes n. spp.
- 88375 ST. JOHN, H. Flora of southeastern Washington and of adjacent Idaho. Ed. 3. Escondido, Calif., Outdoor Pictures, 1963. 583 p. 455.8 Sa2F
- 88376 SALAMUN, P. J. Preliminary reports on the flora of Wisconsin, No. 50. *Compositae III—composite family III*. The genus *Solidago*—goldenrod. *Wis. Acad. Sci. Arts & Let. Trans.* 52: 353-382, map. Ref. 1963. 500 W75
- 88377 SANCHEZ MEJORADA, H. Memories of an excursion with Manuel T. Castella. (Sp) *Cactaceas y Suculentas Mex.* 8(2):48-50. Apr./June 1963. 450 C115  
English summary, p.55-56.
- 88378 SANTAPAU, H., and WAGH, S. K. On the distribution of *Gymnosporia bailadillana* Narayan & Mooney. *Bombay Nat. Hist. Soc. J.* 60(3): 754. Dec.1963. 513 B63
- 88379 SATYANARAYAN, Y., and SHANKARNARAYAN, K. A. A new species of *Lasiurus* from western Rajasthan. *Bombay Nat. Hist. Soc. J.* 60(3): 763-766. Dec.1963. 513 B63
- 88380 SCHULTES, R. E. *Plantae Colombianae*. XVI. *Saurauiae provinciae Putumayonis species nova*. *Harvard U. Bot. Mus. L.* 20(7):221-224. Nov.29,1963. 451 H262
- 88381 SCHUYLER, A. E. A biosystematic study of the *Scirpus cyperinus* complex. *Acad. Nat. Sci. Phila. Proc.* 115(2):283-311. Ref. 1963. 500 P53
- 88382 SCHWARZ, O. Systematic monograph of the genus *Cyclamen* L. II. (Ge) *Feddes Repert. Specierum Nov. Reg. Veg.* 69(2):73-103, map. Ref. June 1,1964. 450 R29

- 88383 SEAHOLM, J. E. A taxonomic study of the genus *Galium* in Minnesota. Minn. Acad. Sci. Proc. 31(2):99-104. 1964. 500 M663
- 88384 SELL, P. D., and WHITEHEAD, F. H. Notes on the annual species of *Cerastium* in Europe. Feddes Repert. Specierum Nov. Reg. Veg. 69 (1):14-24. May 1, 1964. 450 R29
- 88385 SHARMA, S. D., and SHASTRY, S. V. S. Neglected characters in taxonomy of genus *Oryza* L. Cur. Sci. 33(10):316-317. May 20, 1964. 475 Sci23
- 88386 SHARMA, V. S. Description of *Tephrosia collina* sp. nov. and two new varieties. Bombay Nat. Hist. Soc. J. 60(3):754-759. Dec. 1963. 513 B63
- 88387 SHAW, H. K. A. The identity of the genus *Saxifragites* Gagnep. Kew. Roy. Bot. Gard. Kew B. 17(2):263-264. 1963. 451 K51B  
Saxifragites identified as *Distylium*.
- 88388 SHAW, H. K. A. New or noteworthy species of *Gonystylus* (Thymelaeaceae), principally from Borneo. Kew. Roy. Bot. Gard. Kew B. 17(3):447-458. 1964. 451 K51B
- 88389 SHAW, H. K. A. Studies in the Ericales. XIV. The systematic position of the genus *Diplarche* Hook. f. & Thoms. Kew. Roy. Bot. Gard. Kew B. 17(3):507-509. 1964. 451 K51B
- 88390 SHEPHERD, K. A new species of banana. Kew. Roy. Bot. Gard. Kew B. 17(3):461-463. 1964. 451 K51B  
New sp. in *Musa*.
- 88391 SHVEDCHIKOVA, N. K. *Cyperus capitatus* Vandellii—a new species in the flora of USSR. (Rus) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 69(1):139-140, map. Jan./Feb. 1964. 511 M85
- 88392 SIGURBJORNSSON, B. Taxonomy of the Icelandic *Elymus*. Reykjavik. Haskoli Isl. Atvinnudeild. Búnaðardeild. Rit Landbúnaðardeildar, B-flokkur 19, 36 p., map. Ref. 1963. 11 R33
- 88393 SMITH, L. B. Bromeliaceas nuevas o criticas del Peru. I [New or critical Bromeliaceae from Peru. I]. U. Nac. Mayor de San Marcos. Mus. de Hist. Nat. "Javier Prado." P. Ser. B, Bot. 16, 6 p. Oct. 30, 1963. 451 Un3  
English summary.  
Includes new spp. in *Puya* and *Tillandsia*.
- 88394 SMITH, L. B. Las especies peruanas de la familia Xyridaceae [Peruvian species of the family Xyridaceae]. U. Nac. Mayor de San Marcos. Mus. de Hist. Nat. "Javier Prado." P. Ser. B, Bot. 15, 13 p. Oct. 10, 1963. 451 Un3  
Includes n. spp. in *Xyris*.
- 88395 SMITH, L. B. Tres nuevas bromeliaceas del Peru [Three new Bromeliaceae from Peru]. U. Nac. Mayor de San Marcos. Mus. de Hist. Nat. "Javier Prado." P. Ser. B, Bot. 13, 5 p. Jan. 1962. 451 Un3  
New spp. in *Puya* and *Pitcairnia*.
- 88396 SOPER, J. H., DORE, W. G., and BORALAH, G. Distribution of rue-anemone and its northern limit in Canada. Canad. Field-Nat. 77(4):220-225, map. Ref. Oct./Dec. 1963. 410.9 Ot8  
*Thalictrum thalictroides*.
- 88397 SOUSA, E. P. DE. New taxa from the flora of Angola. IV. (Por) Soc. Broteriana. B. (ser. 2) 37:143-145. 1963. 451 C66  
New spp. in *Milletia*.
- 88398 SUMMERHAYES, V. S. African orchids. XXIX. Kew. Roy. Bot. Gard. Kew B. 17(3):511-561. 1964. 451 K51B  
Includes n. spp. in *Habenaria*, *Bonatea*, *Disa*, *Polystachya*, and *Angraecum*.
- 88399 TATEWAKI, M., and ITO, K. *Hypericum yojiroanum* Tatew. et Ko. Ito, sp. nov. J. Jap. Bot. 39(5):5-6. May 1964. 450 J8223
- 88400 TAYLOR, P. The genus *Utricularia* L. (Lentibulariaceae) in Africa (south of the Sahara) and Madagascar. Kew. Roy. Bot. Gard. Kew B. 18 (1):1-245. Ref. 1964. 451 K51B
- 88401 TOOM, V. *Robinia pseudoacacia* in Viljandi. (Es) Eesti Loodus 5:311. Sept./Oct. 1963. 409.6 Ee7
- 88402 TOWNSEND, C. C. More on the introduced Bordon and Alderney Geraniums. Bot. Soc. Brit. Isles. Proc. 5(3):224-226. Feb. 1964. 451 B658Pr
- 88403 TOWNSEND, C. C. Notes on Umbelliferae of Iraq. I. Kew. Roy. Bot. Gard. Kew B. 17(3):427-439. 1964. 451 K51B  
Includes n. spp. in *Heracleum*, *Torilis*, *Turgenia* and *Ergocarpon* n. g.
- 88404 TOYOKUNI, H. Conspectus Gentianacearum Japonicarum; a general view of the Gentianaceae indigenous to Japan. Hokkaido U. Facul. Sci. J. Ser. V. Bot. 7(4):137-259, map. Ref. Mar. 1963. 451 H68
- 88405 TRIST, P. J. O. *Avena fatua*, L., and other Gramineae records for Suffolk. Suffolk Nat. Soc. Trans. 12(5):345-346. Jan. 1, 1964. 410.9 Su2
- 88406 TUYAMA, T. Notes on Himalayan orchids. I. J. Jap. Bot. 39(5):1-4. May 1964. 450 J8223  
A new species of *Acropsis*.
- 88407 UDACHIN, R. A. On the occurrence of *Triticum spelta* L. and *Triticum ispahanicum* Heslot in Iran. (Rus) Uzbek. Biol. Zhur. 6:78-81. Ref. 1962. 442.8 Uz1
- 88408 UJHELYI, J. Data to the systematics of the sectio bulbosae of the genus *Koeleria*. III. Budapest. Magyar Nemzeti Muz. Evkon. 55:187-214. Ref. 1963. 410.9 B85E  
Includes new spp.
- 88409 VAJDA, L. Our native orchids. (Hu) Buvar (6):357-360. Nov./Dec. 1963. 410 B98
- 88410 VATTIMO, I. DE. A new Brazilian species of *Ocotea* Aubl. (Lauraceae) (appendix: list of new localities of occurrence of some Brazilian Lauraceae). Advn. Frontiers Plant Sci. 8:151-155. 1964. 452.4 V81
- 88411 VERDCOURT, B. Convolvulaceae. London, Crown Agents Oversea Govt. & Admin., 1963. 161 p. (Hubbard, C. E., and Milne-Redhead, E. ed. Flora of tropical East Africa) 460.44 T86
- 88412 VERDCOURT, B. Notes from the East African Herbarium. XIV. Notes on African Convolvulaceae. VII. Kew. Roy. Bot. Gard. Kew B. 17(2):229-231. 1963. 451 K51B  
Includes n. sp. in *Sabaudiella* n. g.
- 88413 WEBER, C. The genus *Chaenomeles* (Rosaceae). Arnold Arboretum. J. 45(3):302-345. (Cont.) Ref. July 1964. 451 Ar6J
- 88414 WESTHOFF, V. Decrease in *Catapodium maritimum* at Goeree after the severe winter of 1962/63. (Du) Levende Nat. 66(9):216. Sept. 1963. 410 L57
- 88415 WILBUR, R. L., and DAOUD, H. S. The genus *Helianthemum* (Cistaceae) in the southeastern United States. Elisha Mitchell Sci. Soc. J. 80 (1):38-43. May 1964. 500 EL4
- 88416 WILLIS, J. C. N. *Dactylorchis ericetorum*, Linton, and other orchids. Suffolk Nat. Soc. Trans. 12(4):256-257. 1963. 410.9 Su2
- 88417 WILLIS, J. C. N. The fibrous-rooted *Oxalis corniculata*. Suffolk Nat. Soc. Trans. 12(4):253-255. 1963. 410.9 Su2
- 88418 WITMER, S. W. *Butomus umbellatus* L. in Indiana. Castanea 29(2):117-119. June 1964. 450 So82
- 88419 WITT, J. A. New or unusual plants in the Arboretum. XIV. *Quercus glauca* Thunb. Arboretum B. 27(2):43, 49. Summer 1964. 451 Ar1
- 88420 YAMAMOTO, H. *Cattleya* and its associates. (Ja) Noko-to-Engei 18(4):89-91. Apr. 1963. 22.5 N693
- 88421 YAMAMOTO, H. *Cattleya* and its associates. (Ja) Noko-to-Engei 18(6):99-101. June 1963. 22.5 N693

#### Pteridophytes

- 88422 CHANDRA, P. A new species of *Pyrrosia* from India. Amer. Fern J. 54(2):62-67. Apr./June 1964. 450 Am35
- 88423 HAWKES, A. D. A note on *Elaphoglossum crinitum*. Amer. Fern J. 54(2):91-93. Apr./June 1964. 450 Am35  
In Cuba.
- 88424 JONES, G. N. Phytogeography of *Selaginella douglasii*. Amer. Fern J. 54(2):82-87. Ref. Apr./June 1964. 450 Am35



- SS425 LENSKEI, I. Examining characteristics of European cytotypes of *Polypodium vulgare* L. s. lat. (Ge) Flora [Jena] 154(1):245-266, map. Ref. Feb. 29, 1964. 450 F66
- SS426 MORTON, C. V. New combinations in *Lycopodium*. Amer. Fern J. 54(2):71-73. Apr./June 1964. 450 Am35
- SS427 NAYAR, B. K., and KAUR, S. Ferns of India. IX. *Peranema* and *Acrophorus*. Lucknow. Natl. Bot. Gard. B. 81, 40 p., map. Ref. 1963. 451 L962
- SS428 NAYAR, B. K., and KAZMI, F. Ferns of India. X. *Matteuccia*. Lucknow. Natl. Bot. Gard. B. 82, 16 p. 1963. 451 L962
- SS429 NAYAR, B. K., and KAUR, S. Ferns of India. XI. *Bolbitis*. Lucknow. Natl. Bot. Gard. B. 88, 74 p. Ref. 1964. 451 L962
- SS430 NISHIDA, M., KURITA, S., and NIIZEKI, S. Cytotaxonomy of *Ophioglossales*. II. Chromosome number in *Sceptridium*. J. Jap. Bot. 39(5):12-16. Ref. May 1964. 450 J8223
- SS431 REICHLING, L. Two unknown ferns of Portuguese flora: *Dryopteris abbreviata* (DC.) Newman and *Dryopteris tavelii* Rothm. (Fr) Soc. Broteriana. B. (ser.2)37:35-43, map. 1963. 451 C66
- SS432 STORER, R. W. Ferns and fern allies on Bonaventure Island, Quebec. Amer. Fern J. 54(2):89-91. Apr./June 1964. 450 Am35
- SS433 WILSON, K. A. Notes on the Hawaiian fern genus *Adenophorus*. Amer. Fern J. 54(2):68-70. Ref. Apr./June 1964. 450 Am35
- Bryophytes
- SS434 AMAKAWA, T. Notes on Japanese Hepaticae. 13. J. Jap. Bot. 39(5):7-11. May 1964. 450 J8223  
Includes a n. sp. in *Archilejeunea*.
- SS435 CLARK, L. *Frullania aterrima*. Bryologist 67(2):186-189. Summer 1964. 450 B84
- SS436 CRUM, H., STEERE, W. C., and ANDERSON, L. E. New names for some North American mosses. Bryologist 67(2):162-164. Summer 1964. 450 B84
- SS437 DEMARET, F. *Pottia davalliana* (Sm) C. Jens. var. *Conica* (Schwaegr.) Podp. in Belgium. (Fr) Brussels. Jard. Bot. de l'Etat. B. 34(2):313-314. June 30, 1964. 451 B83B
- SS438 DUDA, J. Liverworts in the collections of the museums of Czechoslovakia. (Cz) Casopis Slezského Mus. (ser.A)12(2):69-84. 1963. 510 T75  
German summary.
- SS439 FLEMING, M., and BARNEBY, R. C. Treasures of the Garden's herbarium. III. The bryophytes of William Mitten. Gard. J. 14(4):146-148. July/Aug. 1964. 80 G1635
- SS440 GANGULEE, H. C. Mosses of eastern India. IV. Eubryiidae series II. Dicranales (Contd.): family Leucobryaceae, and series III. Pottiales: family Calymperaceae. Bombay Nat. Hist. Soc. J. 60(3):606-637. Ref. Dec. 1963. 513 B63  
Includes n. sp. in *Calymperes*.
- SS441 GROLLE, R. Monographie der Lebermoosgattung *Leptoscyphus* Mitt. [Monograph of the liverwort genus *Leptoscyphus* Mitt.]. Nova Acta Leopoldina (n.s.)25(161), 143 p., map. Ref. 1962. 509 H154  
Includes n. sp.
- SS442 HERMANN, F. J. Additions to the bryophyte flora of Mt. Katahdin, Maine. Bryologist 67(2):204-206. Summer 1964. 450 B84
- SS443 HORMANN, H. Contribution to two Hawaiian mosses: *Aerobryopsis longissima* (Dozy & Molkenboer) Fleischer and *Aerobryopsis scariosa* Bartram. Advn. Frontiers Plant Sci. 8:33-40. 1964. 452.4 V81
- SS444 IRELAND, R. R. *Grimmia tenera* Zett. and its occurrence in North America. Bryologist 67(2):174-178. Ref. Summer 1964. 450 B84
- SS445 MIZUTANI, M. A small collection of hepatics from Caroline Islands. J. Jap. Bot. 39(5):31. May 1964. 450 J8223
- SS446 PETROV, S. New contribution to the knowledge of moss flora of Bulgaria. (Bu) Bulgar. Akad. na Nauk. Bot. Inst. Izv. 11:167-187. 1963. 451 B87  
German summary.
- SS447 REDFEARN, P. L. Bryophytes of Arkansas. I. Species of "Lost Valley" and adjacent regions. Bryologist 67(2):196-201. Summer 1964. 450 B84
- SS448 REDFEARN, P. L. Bryophytes of Missouri. IX. Additions to the flora. Bryologist 67(2):201-203. Summer 1964. 450 B84
- SS449 REESE, W. D. Notes on Louisiana mosses. Bryologist 67(2):206-209. Summer 1964. 450 B84
- SS450 ROBINSON, H., and HERMANN, F. J. Notes on American Grimmiads. Bryologist 67(2):170-174. Summer 1964. 450 B84
- SS451 ROCKCASTLE, V. N. Liverworts and mosses. Cornell Sci. L. 57(4), 32 p. Ref. May 1964. 275.29 N48R
- SS452 RYKOVSKII, G. F. Discovery of cormophyte mosses new for White Russia. (Rus) Minsk. Belaruskaya Akad. Navuk. Vestsi. Ser. Biyol. Navuk 4:134-136. Ref. 1963. 442.8 M66
- SS453 SCHUSTER, R. M. Studies on Hepaticae. XIV. The genus *Austrolophozia* Schust. Bryologist 67(2):179-186. Summer 1964. 450 B84
- SS454 TAKAKI, N. *Dicranoweisia* from Japan. (Ja) J. Jap. Bot. 39(5):21-23. May 1964. 450 J8223  
English summary.
- SS455 VOO, E. E. VAN DER. New finds of unusual *Sphagnum* mosses in the Netherlands. (Du) Leven Nat. 66(7):162-165. Ref. July 1963. 410 L57
- SS456 WELCH, W. H. Bryophytes of Cabin Creek Raised Bog. Ind. Acad. Sci. Proc. 72:105-107. 1962, pub. 1963. 500 In2
- SS457 WELCH, W. H. Studies in Indiana bryophytes. XIII. Ind. Acad. Sci. Proc. 72:270-278. 1962, pub. 1963. 500 In2
- Algae
- SS458 ABBAS, A., and GODWARD, M. B. E. Cytology in relation to taxonomy in Chaetophorales. Linn. Soc. London. J. Bot. 58(375):499-507. Ref. Feb. 1964. 451 L64J
- SS459 BAUMEISTER, W. Dinophyceae from the perennial waters of the Schwingrasenmoor in Burgberg, as well as from the Alpsee, Freibergsee, and the Moorweiher of Oberstdorf (Allgau). (Ge) Arch. f. Protistenk. 106(4):535-552. Aug. 31, 1963. 439.8 Ar2  
Includes n. sp. in *Cystodinium*.
- SS460 BLACKLER, H. Some observations on the genus *Colpomenia* (Endlicher) Derbes et Solier 1851. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:50-54. 1961, pub. 1964. 461.4 In8
- SS461 BOURRELLY, P. Notes on some Euglenaceae. (Fr) Rev. Algologique (n.s.)7(1):100-104. Nov. 1963. 450 R3212  
Phacus, including a n. sp., and *Euglena*.
- SS462 BOURRELLY, P. Practical initiation to the systematics of fresh-water algae. VIII. Chlorococcales. (Fr) B. de Micros. Appl. (ser.2)13(5):113-143. (Cont.) Oct. 1963. 440.9 Sol
- SS463 DAILY, F. K. Oospore variation in culture as applied to the taxonomy of *Chara*. Torrey Bot. Club. B. 91(4):281-283. July/Aug. 1964. 451 T63B
- SS464 DAILY, W. A. Notes on some algae found in Indiana. Ind. Acad. Sci. Proc. 72:277-281. 1962, pub. 1963. 500 In2
- SS465 DAVY DE VIRVILLE, A. A new procedure for mapping marine algae. (Fr) Internatl. Symp. Seaweed Res. Proc., 4th Symp.:175-178. 1961, pub. 1964. 461.4 In8
- SS466 DICKINSON, C. I. British seaweeds. London, Eyre & Spottiswoode, 1963. 232 p. 461.4 D56
- SS467 DROUET, F. Ecophenes of *Schizothrix calcicola* (Oscillatoriaceae). Acad. Nat. Sci. Phila. Proc. 115(2):261-281. Ref. 1963. 500 P53

- 88468 FOGED, N. The diatom flora in some lakes in Djursland, East-Jutland. *Nat. Jutlandica* 10(2), 90 p., map. Ref. 1963. 410 N2193
- 88469 FOGED, N. Freshwater diatoms from Spitsbergen. *Tromsø Mus. Skr.* 11, 205 p., map. Ref. 1964. 502 T75S  
Includes new spp. in *Achnanthes*, *Neidium*, *Caloneis*, *Navicula*, *Pinnularia*, *Amphora*, *Cymbella*, *Gomphonema*, and *Fragilaria*.
- 88470 FORSTER, K. Desmidiaceae of Brazil. I. Northern Brazil. (Fr) *Rev. Algologique* (n.s.) 7(1):38-92, map. Ref. Nov. 1963. 450 R3212  
Includes n. spp. in *Dodidium*, *Euastrum* and *Xanthidium*.
- 88471 HUMM, H. J. Algae of the southern Gulf of Mexico. *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.:202-206. 1961, pub. 1964. 461.4 In8
- 88472 HUMM, H. J., and CERAME-VIVAS, M. J. *Struvea pulcherrima* in North Carolina. *Elisha Mitchell Sci. Soc. J.* 80(1):23-24. May 1964. 500 EL4
- 88473 HUVE, P., and HUVE, H. A propos of *Penicillus capitatus* Lamarck forma mediterranea (Decaisne) comb. nov. (Caulerpale, Udoteaceae). (Fr) *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.:99-111. Ref. 1961, pub. 1964. 461.4 In8
- 88474 IMAHORI, K., and SINHA, J. P. Notes on the Asiatic Charophyta. IV. Specimens from Ranchi (India) and Nepal. *Advan. Frontiers Plant Sci.* 8:55-68. Ref. 1964. 452.4 V81
- 88475 INTERNATIONAL SYMPOSIUM ON SEAWEED RESEARCH, 4 BIARRITZ, 1961. *Proceedings*, edited by A. Davy de Virville, and J. Feldmann. New York, Macmillan, 1964. 467 p. Ref. 461.4 In8  
Text in English, French and German.
- 88476 JOLY, A. B., and others. Additions to the marine flora of Brazil. III. Sao Paulo. U. Facul. de Fil., Cien. e Let. Bot. 20:5-37. Ref. 1963. 451 Sa63  
M. Cordeiro, M. L. Mendoza, N. Yamaguishi, and Y. Ugadim, joint authors.  
Algae.
- 88477 JOLY, A. B., CORDEIRO, M., and YAMAGUSHI, N. T. *Antithamnion tristicum* and *Ophidocladus herposiphonioides*, two new Rhodophyceae from southern Brazil. Sao Paulo. U. Facul. de Fil., Cien. e Let. Bot. 20:55-71. 1963. 451 Sa63
- 88478 JOLY, A. B., and UGADIM, Y. Note on the occurrence of one species of *Ceramiella* (Rhodophyta) in the American South Atlantic. Sao Paulo. U. Facul. de Fil., Cien. e Let. Bot. 20:39-53. 1963. 451 Sa63
- 88479 KO-BAYASHI, T. Variations in *Pinnularia braunii*. *Bot. Mag. Tokyo* 76(906):455-458. Dec. 1963. 450 B651
- 88480 KUHNEMANN, O. Biological marine station "Puerto Deseado" (Patagonia). *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.:222-225. 1961, pub. 1964. 461.4 In8  
Includes study of plankton and algae.
- 88481 MASYUK, N. P. The Protococcineae flora in some ponds of west-Ukrainian Polesie. 20 p. Ref. Transl. 13985  
Translation from *Ukrayins'kyi Botanichnyi Zhurnal* 16(1):87-98. 1959.
- 88482 PARRIAUD, H. Occurrence of *Enteromorpha intermedia* Bliding in the Arcachon Basin; study of its reproduction and development. (Fr) *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.:127-132. Ref. 1961, pub. 1964. 461.4 In8
- 88483 REIS, P. M. P. DOS. Contribution to knowledge concerning the Rhodophyceae of fresh waters of Portugal. IV. (Por) *Soc. Broteriana. B.* (ser.2)37:115-126. 1963. 451 C66  
Includes n. sp. in *Lemanea*.
- 88484 REIS, P. M. P. DOS. Note on the occurrence of *Cyanophanon mirabile* Geitler in Portugal. (Por) *Soc. Broteriana. B.* (ser.2)37:111-114. 1963. 451 C66
- 88485 RIETH, A. Contributions to the knowledge of the genus *Vaucheria*. IX. *Vaucheria lli* Rieth in Europe. (Ge) *Arch. f. Protistenk.* 106(4):583-590. Aug. 31, 1963. 439.8 Ar2
- 88486 RODRIGUES, J. E. DE M. Contribution to the knowledge concerning the fresh water algae of Portugal. II. (Por) *Soc. Broteriana. B.* (ser.2)37:45-69. 1963. 451 C66
- 88487 ROSS, R. The diatom genus *Capartogramma* and the identity of *Schizostauron*. *Brit. Mus. (Nat. Hist.) B. Bot.* 3(2):47-92. 1963. 451 B774  
Includes n. spp. in *Capartogramma*.
- 88488 SARMA, Y. S. R. K. On a collection of algae from Rael "tal" of District of Varanasi. *Banaras Hindu U. J. Sci. Res.* 13(2):382-392, map. June 1963. 330.9 B43
- 88489 STOERMER, E. F. New taxa and new United States records of the diatom genus *Neidium* from West Lake Okoboji, Iowa. *Acad. Nat. Sci. Phila. Notulae Nat.* 358, 7 p. Ref. Mar. 22, 1963. 500 P53No
- 88490 TAYLOR, W. R. The genus *Turbinaria* in eastern seas. *Linn. Soc. London. J. Bot.* 58(375):475-490. Ref. Feb. 1964. 451 L64J  
Includes n. spp.
- 88491 THIVY, F., and VISALAKSHMI, V. *Caulerpa charoides* (Harv. ex W.-v. Bosse) nov. comb., a new record for the Indian Ocean region. *Bot. Mar.* 5(4):101-104. Nov. 1963. 450 B6582
- 88492 THIVY, F., and CHAUHAN, V. D. *Caulerpa veravalensis*, a new species from Gujarat, India. *Bot. Mar.* 5(4):97-100. Nov. 1963. 450 B6582
- 88493 THOMASSON, K. Algological notes. 2. An interesting *Staurastrum* population. *Rev. Algologique* (n.s.)7(1):93-99. Ref. Nov. 1963. 450 R3212
- 88494 THOMASSON, K. Araucanian lakes; plankton studies in North Patagonia with notes on terrestrial vegetation. *Acta Phytogeog. Suecica* 47, 139 p., map. 1963. 451 Ac82
- 88495 VALKANOV, A. *Korsikovella vaucheriae* n.g. n.sp. (Protococcineae and its development. (Ge) *Arch. f. Mikrobiol.* 48(3):247-258. 1964. 442.8 Ar26
- 88496 VASISHTA, P. C. More Cyanophyceae of Hoshiarpur. II. *Bombay Nat. Hist. Soc. J.* 60(3):671-678. Dec. 1963. 513 B63
- 88497 VILLOT, J. P. Contribution à l'étude des ulvacees de la région de Rabat, Station des Oudaïas [Contribution to a study of the Ulvaceae in the Rabat region, Oudaïas Station]. *Rabat. Inst. Sci. Cherifien. Trav. Ser. Bot.* 26, 49 p., map. Ref. 1963. 451 R11
- 88498 WOODSON, B. R., and HOLOMAN, V. A systematic and ecological study of algae in Chesterfield County, Virginia. *Va. J. Sci. (n.s.)* 15(2):51-70. Apr. 1964. 470 V81

#### Fungi (Including Lichens)

- 88499 BATISTA, A. C., LIMA, J. A. DE., and PERES, G. E. P. Alguns fungos *Appendiculella* Hohnel, *Asteridiella* Mc Alp. e *Balladyna* Racib [Some fungi, *Appendiculella* Hohnel, *Asteridiella* McAlp. and *Balladyna* Racib]. *Recife. U. Inst. de Micol. P.* 219, 27 p. 1963. 451 P42  
Includes n. sp. in *Appendiculella*.
- 88500 BATISTA, A. C., and others. Alguns *Meliola* identificados no IMUR [Some *Meliola* identified in the Institute of Mycology, University of Recife]. *Recife. U. Inst. de Micol. P.* 237, 68 p. 1963. 451 P42  
H. da S. Maia, J. A. de Lima, R. G. de Souza, and G. E. P. Peres, joint authors.  
Includes a n. sp.
- 88501 BATISTA, A. C., and PERES, G. E. P. Alguns novos *Micropeltis* da Amazonia [Some new *Micropeltis* from Amazonia]. *Recife. U. Inst. de Micol. P.* 386, 115 p. 1963. 451 P42
- 88502 BATISTA, A. C., and others. *Mycerema* e outros novos generos de *Stomiopeltoidae*, da familia *Micropeltaceae* [*Mycerema* and other new genera of *Stomiopeltoidae*, from the family *Micropeltaceae*]. *Recife. U. Inst. de Micol. P.* 392, 40 p. 1963. 451 P42  
J. L. Bezerra, W. A. Cavalcanti, and H. da S. Maia, joint authors.  
English summary.  
Includes n. sp. in *Mycerema* n. g., *Phaeostomiopeltis* n. g., *Plochmopeltidella*, *Stomiopeltella*, *Stomiopeltina* n. g., *Stomiopeltis*, *Stomiopeltopsis* n. g., and *Vanudenia* n. g.



- 88503 BOOTH, C. Studies of Pyrenomycetes. VII. Commonwealth Mycol. Inst. Mycol. Papers 94, 16 p. Ref. Jan.1,1964. 451 Im73M  
Incules new spp. in Micronectriella, Graphium, Thielavia, Bombardia, Chaetomium, and Tubeufia.
- 88504 COOKE, R. C., and GODFREY, B. E. S. A key to the nematode-destroying fungi. Brit. Mycol. Soc. Trans. 47(1):61-74. Ref. Mar.1964. 451 B76
- 88505 COUCH, J. N. A proposal to replace the name Ampullaria Couch with Ampullariella. Elisha Mitchell Sci. Soc. J. 80(1):29. May 1964. 500 EL4
- 88506 CULBERSON, W. L. The range of Herpotherium sanguineum in the United States. Bryologist 67(2):224-226, map. Summer 1964. 450 B84
- 88507 CUMMINS, G. B. Records of South Texas rust fungi. Ind. Acad. Sci. Proc. 72:267-269. 1962, pub.1963. 500 In2
- 88508 DEMIDOVA, Z. A. Rust fungi from the Urals. (Rus) Akad. Nauk SSSR. Ural'skii Filial. Inst. Biol. Trudy 28:111-118. Ref. 1962. 442.9 Ak14
- 88509 DENNIS, R. W. G. Further records of Congo Xylariaceae. Brussels. Jard. Bot. de l'Etat. B. 34(2):231-241. June 30, 1964. 451 B83B  
Includes new sp. in Fassia n.g.
- 88510 DENNIS, R. W. G. A redistribution of some fungi ascribed to the Hyaloscyphaeae. Kew. Roy. Bot. Gard. Kew B. 17(2):319-379. Ref. 1963. 451 K51B  
Includes n. sp. in Dasyscyphus.
- 88511 ELLIS, M. B. Dematiaceous Hyphomycetes. V. Commonwealth Mycol. Inst. Mycol. Papers 93, 33 p. Dec.11,1963. 451 Im73M  
Includes new spp. in Spadicoides, Acrodictys, Sporidesmium, Corynespora, and Stigmina.
- 88512 FUNK, A. Botryosphaeria tsugae n. sp., causing dieback of western hemlock [Tsuga heterophylla] in British Columbia. Canad. J. Bot. 42(6):769-775. June 1964. 470 C16C
- 88513 GHARSE, P. S. Albugo pestigridis (Verma) Gharse, sp. nov. Cur. Sci. 33(9):285-286. May 5, 1964. 475 Sci23
- 88514 GREENE, H. C. Notes on Wisconsin parasitic fungi, XXIX. Wis. Acad. Sci. Arts & Let. Trans. 52:229-253. 1963. 500 W75  
Includes n. spp. in Coniothyrium, Phomopsis, Ascochyta and Rhabdospora.
- 88515 GREGORY, P. H., and LACEY, M. E. The discovery of Pithomyces chartarum in Britain. Brit. Mycol. Soc. Trans. 47(1):25-30. Ref. Mar.1964. 451 B76
- 88516 GROVES, J. W., and MACRAE, R. The fungus records of Mr. H. A. C. Jackson from l'Islet Co., Quebec 1941-1960. Canad. Field-Nat. 77 (4):179-202. Oct./Dec.1963. 410.9 Ot8
- 88517 GUBA, E. F. Historical study of Pestalotia guepini Desm. Brussels. Jard. Bot. de l'Etat. B. 34(2):283-296. Ref. June 30, 1964. 451 B83B
- 88518 HEINEMANN, P. Fungi gathered in the Congo by Madame M. Goossens-Fontana. VI. Laccaria. (Fr) Brussels. Jard. Bot. de l'Etat. B. 34 (2):309-312. June 30, 1964. 451 B83B
- 88519 HEINEMANN, P. Notes on African Boletaceae. III. (Fr) Brussels. Jard. Bot. de l'Etat. B. 34 (2):269-272. June 30, 1964. 451 B83B  
Includes new spp. in Tylopilus and Xerocomus.
- 88520 HUTTER, R. On the systematics of the Actinomycetes. 9. Streptomycetes with cinnamomeus aerial mycelium. (Ge) Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. II, Natwiss. 117 (7):603-661. Ref. Mar.31,1964. 448.3 C33
- 88521 ING, B. Myxomycetes from Nigeria. Brit. Mycol. Soc. Trans. 47(1):49-55. Mar.1964. 451 B76  
Includes n. spp. in Comatricha and Metatrichia n. g.
- 88522 INGOLD, C. T. A new species of Ingoldia from Britain. Brit. Mycol. Soc. Trans. 47(1):103-107. Mar.1964. 451 B76
- 88523 JOHNS, R. M. A new Polyphagus in algal culture. Mycologia 56(3):441-451. May/June 1964. 450 M99
- 88524 JONES, E. B. G. Nautosphaeria cristaminuta gen. et sp. nov., a marine pyrenomycete on submerged wood. Brit. Mycol. Soc. Trans. 47(1):97-101. Mar.1964. 451 B76
- 88525 JONES, F. R. Nematoconus robustus sp. nov. Brit. Mycol. Soc. Trans. 47(1):57-60. Mar. 1964. 451 B76
- 88526 JONES, L. A., and BRADLEY, S. G. Phenetic classification of Actinomycetes. Devlpmt. Indus. Microbiol. 5:267-272. Ref. 1964. 448.3 D49
- 88527 KALAMEES, K. Some little-known edible mushrooms. II. (Es) Eesti Loodus 5:276-280. Sept./Oct.1963. 409.6 Ee7  
English summary.
- 88528 KARLVAL, F. Larger fungi in the botanic garden in Gothenburg. (Sw) Acta Horti Goto-burgensis 26:19-62. Ref. 1963. 451 G712  
English summary.
- 88529 KERN, F. D. Lists and keys of the cedar rusts [Gymnosporangium] of the world. N. Y. Bot. Gard. Mem. 10(5):305-326. Ref. Feb.17,1964. 451 N48  
Includes n. sp.
- 88530 KONECSNI, I. Mushrooms of our locust forests. (Hu) Buvar 8(4):230-232. July/Aug.1963. 410 B98
- 88531 KOUYEAS, V., and KOUYEAS, H. Notes on species of Pythium. Inst. Phytopath. Benaki. Ann. (n.s.)5(3):207-237. Ref. 1963. 464.9 At4  
Includes n. spp.
- 88532 KRASSILNIKOV, N. A., and AGRE, N. S. On two species of Thermopolyspora. Hindustan Antibiotics B. 6(3):97-107. Feb.1964. 396.8 H58  
Isolated from soils.
- 88533 LAUNDON, G. F. Uredopeltis (Uredinales). Brit. Mycol. Soc. Trans. 46(4):503-504. Dec. 1963. 451 B76
- 88534 LEMKE, P. A. The genus Aleurodiscus (sensu lato) in North America. Canad. J. Bot. 42(6):723-768. Ref. June 1964. 470 C16C  
Includes n. spp. in Aleurocorticium n.g.
- 88535 MCCULLOUGH, H. A. Foliose and fruticose lichens of the Piedmont upland of Alabama. Bryologist 67(2):226-233, map. Summer 1964. 450 B84
- 88536 MARVANOVÁ, L., and MARVAN, P. Some Hyphomycetes from running waters of the Jeseník Mountains. (Ge) Casopis Slezského Mus. (ser.A)12(2):101-118. Ref. 1963. 510 T75  
Includes n. spp. in Calcarispora n. g. and Tricladium.
- 88537 MATHUR, R. S., CHAUHAN, L. S., and VERMA, S. C. Pyrenochaeta oryzae Shirai ex-Miyake = on Oryza sativa L.—a new record for India. Cur. Sci. 33(10):312. May 20, 1964. 475 Sci23
- 88538 MEREDITH, D. S. Pestalotia leprogena on leaves of Musa spp. in Jamaica. Brit. Mycol. Soc. Trans. 46(4):537-540. Dec.1963. 451 B76
- 88539 MORUZI, C., and CIOCAN, C. Two mucorinous fungi on Pholiota destruens (Brond.) Fr.: Mucor racemosus Fres. var. griseospora Naumov and Sporodinia pholioti n. sp. (Fr) Rev. de Mycol. 28(5):299-311. Ref. Dec.31,1963. 450 An74
- 88540 NATHO, G. The distribution of epixyloid lichens and algae in East Berlin. (Ge) Berlin. Humboldt-U. Wiss. Z. Math. Natwiss. Reihe 13(1):53-75, map. Ref. 1964. 509 B453  
English summary.
- 88541 PANFILOVA, T. S., and GAPONENKO, N. I. Mikoflora basseina r. Angren [Fungi of the basin of River Angren]. Tashkent, Izdatel'stvo Akademii Nauk Uzbekskoi SSR, 1963. 208 p. 462.16 P19
- 88542 PATERSON, R. A. Observations on two species of Rhizophydium from northern Michigan. Brit. Mycol. Soc. Trans. 46(4):530-536. Dec.1963. 451 B76
- 88543 PETERSEN, R. H. Notes on clavarioid fungi. II. Corrections in the genera Ramariopsis and Clavaria. Torrey Bot. Club. B. 91(4):274-280. July/Aug.1964. 451 T63B
- 88544 PUGH, G. J. F., BLAKEMAN, J. P., and MORGAN-JONES, G. Thermomyces verrucosus sp. nov. and T. lanuginosus. Brit. Mycol. Soc. Trans. 47(1):115-121. Ref. Mar.1964. 451 B76

- 88545 RAI, J. N., TEWARI, J. P., and MUKERJI, K. G. *Achaetomium*, a new genus of Ascomycetes. *Canad. J. Bot.* 42(6):693-697. June 1964. 470 C16C
- 88546 REID, D. A. New or interesting records of Australasian Basidiomycetes. V. Aphyllophorales. *Kew. Roy. Bot. Gard. Kew B.* 17(2):267-308. Ref. 1963. 451 K51B  
Includes n. spp. in *Inonotus*, *Leptoporus*, and *Lopharia*, *Stecchericium*, n. g., *Echinochaete* n. g., and *Aurificaria* n. g.
- 88547 SAVILE, D. B. O., and PARMELEE, J. A. Parasitic fungi of the Queen Elizabeth Islands. *Canad. J. Bot.* 42(6):699-722, map. Ref. June 1964. 470 C16C  
Includes n. spp. in *Ustilentyloma* n. g., and *Mycosphaerella*.
- 88548 SHVARTSMAN, S. R. Geterobazidial'nye (Auriculariales, Tremellales, Dacryomycetales) i avtobazidial'nye (Exobasidiales, Aphyllophorales) griby [Heterobasidial (Auriculariales, Tremellales, Dacryomycetales) and autobasidial (Exobasidiales, Aphyllophorales) fungi]. *Alma-Ata, Izdatel'stvo Akademii Nauk Kazakhskoi SSR*, 1964. 714 p. Ref. (*Flora Sporovykh Rastenii Kazakhstana*, v.4) 462.16 F66  
Includes n. spp. in *Femsjonia*, *Ramaria*, *Sparassis* and *Sparassitella* n. g.
- 88549 STOLK, A. C. *Aspergillus flaschentraegeri* sp. nov. *Brit. Mycol. Soc. Trans.* 47(1):123-126. Mar. 1964. 451 B76
- 88550 SUTTON, B. C., and PIROZYNSKI, K. A. Notes on British microfungi. I. *Brit. Mycol. Soc. Trans.* 46(4):505-522. Ref. Dec. 1963. 451 B76  
Includes n. sp. in *Stemphylium*.
- 88551 SUTTON, B. C. Two new species of *Coryneum* Nees ex Fries. *Kew. Roy. Bot. Gard. Kew B.* 17(2):309-314. 1963. 451 K51B
- 88552 TOTH, S. Data to the knowledge on the coprophilous microscopic fungi in Hungary. I. *Budapest. Magyar Nemzeti Muz. Evkon.* 55:181-185. 1963. 410.9 B85E  
Includes new species in *Ceratocystis*.
- 88553 VALKANOV, A. *Dangeardiana eudorinae* n. g. n. sp. - a new representative of the *Phycomycetes*. (Ge) *Arch. f. Mikrobiol.* 48(3):239-246. 1964. 442.8 Ar26
- 88554 WARCUP, J. H., and TALBOT, P. H. B. Ecology and identity of mycelia isolated from soil. II. *Brit. Mycol. Soc. Trans.* 46(4):465-472. Ref. Dec. 1963. 451 B76  
Includes n. sp. in *Hyphodontia*.
- 88555 WHITE, M. F. A note on the status of *Aspergillus giganteus*. *Brit. Mycol. Soc. Trans.* 46(4):482-484. Dec. 1963. 451 B76
- ### PATHOLOGY
- #### General
- 88556 ADOLF, M. G. Plant protection aspects of crop rotation in specialized large farms. (Hu) *Mezogazdasagi Vilagirodalom* 6(2):114-118. Ref. 1964. 19 M577  
Review of literature.
- 88557 ALLISON, P. Diseases and pests of *Clivia* [miniata]. *Morris Arboretum B.* 15(2):35-38. June 1964. 451 P383
- 88558 ARRIETA MATEOS, D. L., and TERRAZAS LOYOLA, J. The influence of means of communication on the dispersion and propagation of agricultural pests and diseases. (Sp) *Fitofilo* 16(38):24-33. Apr./June 1963. 421 F55  
Chiefly aircraft.
- 88559 BARKER, P. A. The hardness of landscape trees in Southwestern United States in the 1962-63 winter freeze. *Internatl. Shade Tree Conf. Proc.*, 39th Conf.:241-251. Ref. 1963. 99.9 N218
- 88560 BAUER, W. Repelling wildlife from grapevines. (Ge) *Pflanzenarzt* 17(1):6-7. Jan. 1, 1964. 464.9 P482  
With mechanical and chemical measures.
- 88561 BENCZE, L., and others. Biotic and abiotic damages in forestry in 1962 and damages expected in 1963. (Hu) *Erdesz. Kutatasok* 59(3):127-154, map. 1963. 99.9 Er24  
J. Györfi, E. Karacsony, L. Kiss, J. Kolonits, Gy. Lengyel, H. Pogany, P. Szontagh, and E. Vicze, joint authors.  
German summary.  
Chiefly insect pests and diseases.
- 88562 BISSONNETTE, H. L. Plant diseases in North Dakota-1962. *Crop Quality Council. Ext. Conf. Rpt.* 1962:15-16. 464.9 N813
- 88563 BOMEKE, H. The cause of splitting in plums. (Ge) *Obstbauversring. des Alten Landes. Mitt.* 18(10):327-328. Oct. 1963. 85 J76  
Continuous rain for 7 days and no wind.
- 88564 BRADFORD, M. Crop protection, 1964. *Agr. Merchant* 44(3):59, 61-63. Mar. 1964. 10 Ag89
- 88565 BROGDON, J. E., MARVEL, M. E., and MULLEN, R. S. Commercial vegetable insect and disease control guide. *Fla. U. Agr. Ext. C.* 193D, 49 p. June 1964. 275.29 F66C
- 88566 BRUNT, A. A. Cocoa beans as test plants in investigating diseases of cocoa. *FAO Plant Protect. B.* 11(4):73-75. Ref. Aug. 1963. 421 P692
- 88567 BYRDY, S. Safe periods in application of chemical plant protection substances in fruit, vegetables and field crops culture. (Pol) *Ochrona Roslin* 6(5):31-33. Sept./Oct. 1962. 464.8 Oc32
- 88568 CALIFORNIA FOREST PEST CONTROL ACTION COUNCIL. Minutes of annual meeting, Sacramento, California November 1, 1962. 8 p. 423.9 C124  
Insect pests and diseases.
- 88569 CALIFORNIA FOREST PEST CONTROL ACTION COUNCIL. Minutes of annual meeting, Sacramento, California, November 20, 1963. Sacramento, 1963. 13 p. 423.9 C124  
Insect pests and diseases.
- 88570 CANADA. DEPT. OF FORESTRY. FOREST ENTOMOLOGY AND PATHOLOGY BR. Annual report year ended March 31, 1963. Ottawa, 1963. 138 p. Ref. 423.9 C163
- 88571 CARESCHE, L. Inter-African Co-ordinated Phytosanitary legislation. *FAO Plant Protect. B.* 11(4):82-89. Aug. 1963. 421 P692  
Plant quarantine.
- 88572 CHESNOKOV, P. G. Resistance of cultivated plants to diseases and pests. (Rus) *Trudy vo Prikl. Bot. Genet. i Selekt.* 33(2):95-118. 1963. 451 R92  
English summary.
- 88573 CLOUTIER, A. Preliminary study on the field mouse problem in orchards south-west of Montreal. (Fr) *Quebec Soc. Protect. Plants. Rpt.* 43:27-31. 1961, pub. 1963. 464.9 Q3
- 88574 COTTON DISEASE COUNCIL. Proceedings of the twenty-fourth meeting, Memphis, Tennessee, January 7-8, 1964. Memphis, Tenn., 1964. 125 p. Ref. 464.9 C822  
National Cotton Council, cooperating.  
Includes abstracts of papers.
- 88575 CREELMAN, D. W. Summary of the prevalence of plant diseases in Canada in 1962. *Canada, Dept. Agr. Res. Br. Plant Res. Inst. Canad. Plant Dis. Survey* 43(3):61-130. Sept. 1963. 464.9 C16S
- 88576 CZAJA, A. TH. The effects of dust-forming substances with alkaline surfaces on plants. (Ge) *Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr.* 5:80-89. 1963. 18 F778
- 88577 DE SARJAS, P. Utilization of proprietary sodium methylthiocarbamate fungicides, nematocides and herbicides in floriculture. (Fr) *Internatl. Hort. Cong. [Proc.]*, 16th Cong., v. 4: 189-194. Ref. 1962, pub. 1964. 90.09 C7616P
- 88578 DEUTSCHER Pflanzenschutz-Kalender [German plant protection calendar], 1964. Berlin, 1964. 136 p. 464.8 D48  
East Germany.



- 88579 DICK, C. V. The value of the cooperative programs of the Direccion General de Defensa Agricola and the Division de Control de Plagas de las Plantas for agriculture in California. (Sp) Fitofilo 16(38):17-20. Apr./June 1963. 421 F55
- 88580 DOMINIK, T. Lights and shadows of chemicals in agriculture. (Pol) Gaz. Cukrownicza 71(12):310-313. Dec.1963. 66.8 G25  
Chiefly on toxicity of economic poisons for plant protection and their ecological effects.
- 88581 DURAND, R. The determination of thresholds of resistance to spring freezing. (Fr) Phytoma 16(155):15-18. Feb.1964. 464.8 P563
- 88582 ENNS, W. R., and SWARTWOUT, H. G. 1964 commercial peach spray programs. Mo. Agr. Col. Ext. C. 804.6 p. Feb.1964. 275.29 M69C
- 88583 FEUERHAKE, A. Industrial development and its relation to effects of fumes in gardening. (Ge) Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr. 5:7-10. 1963. 18 F778
- 88584 FORMULATIONS for control of pests and diseases in orchards; a list for 1964. (Pol) Owoce Warzywa Kwiaty 4(3):14-16. Feb.1/15, 1964. 80 Ow5
- 88585 FORTMANN, H. Contribution to the problem of dust sedimentation and its effects in horticulture. (Ge) Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr. 5:69-77. 1963. 18 F778
- 88586 FOSCHI, V. Note on fruit tree protection. (It) Romagna Agr. e Zootec. 49(5):118-120. May 1964. 16 R66  
Spraying time.
- 88587 FRANKEN, E. Problems of increasing or decreasing the danger from blossom frost by windbreak plantings. (Ge) Obstbauversring. des Alten Landes. Mitt. 18(11/12):439-440. Nov./Dec.1963. 85 J76  
Planting of Populus to protect fruit.
- 88588 FUJII, R. Evaporation controlling substance for the prevention of "citron-skin" disease of pears. (Ja) Kajitsu Nippon 19(4):16-18. Apr. 1964. 80 K122
- 88589 GALLWITZ, K. Recent research on plant dusts and dusting equipment. (Ge) Ghent. Landbho-gesch. Meded. 28(3):894-902. 1963. 105.1 G344
- 88590 GARBER, K. The problem of the effects of fluorine-containing compounds in horticulture. (Ge) Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr. 5:34-41. 1963. 18 F778
- 88591 GENOSSENSCHAFTLICHER Forstschutz-Ratgeber [Cooperative forest protection adviser]. Ed. 3, rev. Schreibe. aus "Chem. u. Tech. in der Landwirtschaft." 1962.48 p. 384 Sch7  
Disease and pest control.
- 88592 GISIGER, L. Air pollution in Switzerland. (Ge) Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr. 5:90-99. 1963. 18 F778  
Effects on plants.
- 88593 GLASER, T. Notes on hygiene of ornamental plants in apartments. (Pol) Ochrona Roslin 7(10):30-32. Oct.1963. 464.8 Oc32  
Pest and disease control.
- 88594 GUY, R. Contribution to the chemistry of plant protection. (Fr) Chim. & Indus. 91(5):535-538. May 1964. 383 C42
- 88595 HAYDEN, E. B. The proposed National Plant Disease Detection Program. Crop Quality Council. Ext. Conf. Rpt. 1963:22-24. 464.9 N813
- 88596 HEDDERGOTT, H. The Indian plant protection service. (Ge) Gesunde Pflanzen 15(12):221-225. Dec.1963. 464.8 G33  
English summary.
- 88597 HERD, G. W. Irrigated winter wheat. IV. Diseases of wheat in Southern Rhodesia. Irrig. Winter Wheat. Tech. P. 1:15-17. July/Aug. 1963. 59.8 Ir7
- 88598 HOLTE, W. Industrial fumes and their effects on fruit trees. (Ge) Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr. 5:29-34. 1963. 18 F778
- 88599 IKEGAMI, K. The winter damage to the fruit of *Cardiospermum halicacabum*. (Ja) Kajitsu Nippon 19(3):40-42. Mar.1964. 80 K122
- 88600 ISHIKURA, H. The spraying of small quantities of thick agricultural chemicals; the new trend in plant protection. (Ja) Noko-to-Engei 18(6):94-95.98. June 1963. 22.5 N693
- 88601 IVERSON, L. G. K. Pesticides in perspective. Crop Quality Council. Ext. Conf. Rpt. 1963:1-2. 464.9 N813  
Disease and insect control, including regulations.
- 88602 JACKSON, R. Detection of plant disease symptoms by infrared. Biol. Photog. Assoc. J. 32(2):45-58. May 1964. 332.9 B52
- 88603 JOHNSON, H. G. Minnesota plant disease problems-1962. Crop Quality Council. Ext. Conf. Rpt. 1962:18-19. 464.9 N813
- 88604 JOHNSTON, A. Host list of fungi, etc., recorded in the South East Asia and Pacific Region, citrus spp.-citrus. Host list of insects recorded in the South East Asia and Pacific Region, citrus spp.-citrus. Food & Agr. Organ. United Nations. Plant Protect. Comt. So. East Asia & Pacific Region. Tech. Doc. 22,12 p. May 14,1962. 464.9 F733
- 88605 KAMITO, A. The change in agricultural chemicals for fruit trees and the latest new agricultural chemicals. (Ja) Kajitsu Nippon 19(1):62-64.69. Jan.1964. 80 K122  
Chemicals for pest and disease control.
- 88606 KARIS, H. On the role of some trace elements in increasing disease resistance of plants. (Es) Estonskaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov 28:116-123. Ref. 1963. 106 Es83  
German summary.  
Tomatoes, chiefly.
- 88607 KIRSTE, H. Introduction to the stating of the problem of the theme "effects of fumes in gardening." (Ge) Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr. 5:10-14. 1963. 18 F778
- 88608 KITAJIMA, A. The damage caused by economic poisons used in the prevention of diseases and pests of fruit trees. (Ja) Kajitsu Nippon 19(2):34-37. Feb.1964. 80 K122
- 88609 KOMEN, G. The road of IVT [Instituut voor de Veredeling van Tuinbouwgewassen] to the market gardener leads via the nurseries. (Du) Groenten en Fruit 19(51):2192-2193. June 24, 1964. 80 G89  
Chiefly on disease resistance of vegetables.
- 88610 KRUEL, W. Situation in the occurrence of forest damage in the German Democratic Republic and prognosis for 1964. (Ge) Sozialist. Forstwirtschaft. 14(4):108-111, map. Apr.1964. 99.8 W143  
Diseases and pests, chiefly.
- 88611 LEONE, I. A., BRENNAN, E., and DAINES, R. H. Weeds are sensitive to pollution of atmosphere. N. J. Agr. 46(3):6-10. May/June 1964. 275.28 N46
- 88612 LESKI, R. Remarks on the orchard protection calendar for 1964. (Pol) Owoce Warzywa Kwiaty 4(3):3-4. Feb.1/15,1964. 80 Ow5  
Spraying.
- 88613 LESKI, R. Safety measures when working with chemicals for orchard protection. (Pol) Owoce Warzywa Kwiaty 4(3):19-21. Feb.1/15,1964. 80 Ow5
- 88614 LEVISHKO, P. A. Autumn-winter and early spring measures for the control of pests and diseases in orchards, vineyards and nurseries. (Rus) Kolkhoz.-Sovkhoz. Proizvodstvo Turkmenistana 11:33-35. Nov.1963. 20 Se4982
- 88615 LIBOR, O., and BOROVITZ, P. Testing for resistance to rain of clay minerals and clay mineral products applicable for spraying. (Hu) Agrochem. es Talajtan 12(4):613-620. Ref. Dec. 1963. 385 Ag83  
English summary.  
As carriers for plant protection chemicals.
- 88616 LINDBLOM, H. Sensitivity of potatoes to mechanical injuries. (Sw) Sveriges Potatisodla-res Rforbund. Potatis 1962:46-48. 75.8 Sv2
- 88617 LOEWEL, E. L., and REICH, H. Fruit is not endangered by the use of plant protection chemicals. (Ge) Obstbauversring. des Alten Landes. Mitt. 18(11/12):418-420. Nov./Dec. 1963. 85 J76

- 88618 LOPES, N. F. C. Chief pests and diseases of the banana plant. (Por) Rural 44(513):21-23. Jan.1964. 9.2 B733
- 88619 LOVITT, D. F. The development of effective pest control programs. Crop Quality Council. Ext. Conf. Rpt. 1963:3-4. 464.9 N813  
Federal-State relations.
- 88620 MAKHATADZE, E. M. Gas heating for lemon stands. (Rus) Sadovodstvo 3:44. Mar.1964. 80 Sa13  
Prevention of frost injuries.
- 88621 MASURKA, R. Production of cooperative pest control stations in Lower Austria in crop culture in the year 1962/63. (Ge) Chem. u. Tech. in der Landwirt. 15(1):27. 1964. 384 C4292  
Disease and insect control.
- 88622 MATVIEVSKII, A. S. Spraying fruit orchards with small quantity of chemicals. (Rus) Sadovodstvo 3:23. Mar.1964. 80 Sa13  
Against pests and diseases.
- 88623 MEIDEN, H. A. VAN DER. The importance of some leaf diseases in poplar culture. (Ge) Forst- u. Holzwirt 19(12):257-260. June 16, 1964. 99.8 F7724  
Netherlands.
- 88624 MENDEL, K. Research. Agr. Israel 9(4):46. Jan.1964. 22.5 Ag825  
Citrus disease and nutrition.
- 88625 MERCIER, R. G. Protection against frost in southern Ontario. Ontario. Dept. Agr. P. 26, 11 p. 1964? 7 On8P  
Fruit and vegetables.
- 88626 MOHRING, H. K. Economic problems of industrial horticulture in remedial measures against effects of fumes. (Ge) Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr. 5: 114-119. 1963. 18 F778
- 88627 MORGAT, and DE MEIRLEIRE. Apple and pear trees in the area of Rheims in 1963. (Fr) Phytoma 16(155):29-32. Feb.1964. 464.8 P563  
Diseases and insect pests.
- 88628 MOTOHASHI, S. Vegetable diseases and harmful insects before and after the rainy season and their prevention. (Ja) Noko-to-Engei 18 (6):86-88. June 1963. 22.5 N693
- 88629 NAKAMURA, S. The effectiveness of insulating the sour orange against cold. (Ja) Kajitsu Nippon 19(2):54-56. Feb.1964. 80 K122
- 88630 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Jaarboek [Yearbook], 1962. Netherlands. Plantenziektenk. Dienst. Verslagen en Meded. 138,208 p. Ref. Nov.1963. 464.9 W122  
Plant diseases and pests.
- 88631 NETTLES, W. C., SMITH, F. H., and BENTON, D. A. Tobacco insects and diseases, South Carolina. Clemson Agr. Col. S. C. Ext. B. 109,rev.,55 p. Apr.1964. 275.29 So8F  
Control by various means, including use of insecticides.
- 88632 NEURURER, H. New material in the field of grain diseases. (Ge) Forderungsdienst 12(3): 92-93. Mar.1964. 19 F75  
Austria.
- 88633 NEW BRUNSWICK. PLANT PROTECTION COMMITTEE. 1963 apple spray guide. n. p., 1963. chart. 464.9 C1632
- 88634 NEW SOUTH WALES. DEPT. OF AGRICULTURE. BIOLOGICAL BR. Plant disease survey for the twelve months ending 30th June, 1963; 33rd annual report. Sydney, 1963. 39 p.,map. 464.9 N47P
- 88635 NORTH RHINE-WESTPHALIA. LANDESANSTALT FUR BODENNUTZUNGSSCHUTZ. Raucheinwirkungen im Gartenbau; ein Bericht über die in der Zeit vom 19. bis 21. September 1961 Nordrhein-Westfalen durchgeführte Fachtagung [Effects of fumes in gardening; a report on the conference held September 19 to 21, 1961]. Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr. 5,160 p. Ref. 1963. 18 F778
- 88636 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Some pests and diseases of vegetable crops. North. Ireland. Min. Agr. L. 89, 15 p. Jan.1964. 10 N81
- 88637 OREGON. STATE UNIVERSITY. FEDERAL COOPERATIVE EXTENSION SERV. 1963 Wasco County spray schedule: cherries, peaches, apricots. Corvallis, 1963. chart. 275.29 Or32Sp  
Published jointly with Oregon Agricultural Experiment Station.
- 88638 OVERTON, J. R., and GRAVES, C. R. Ground losses in 16 cotton varieties. Tenn. Farm & Home Sci. Prog. Rpt. 50:12-13. Apr./June 1964. 100 T25F  
Resistance to weather.
- 88639 PARTYKA, R. Vegetable disease control. Ohio Veg. & Potato Growers Assoc. Growers Handb. & Annu. Proc. 49:106-109. 1964. 75.9 Oh3
- 88640 PEPPER, B. B. We must choose. Natl. Agr. Chem. Assoc. News & Pesticide Rev. 22(4):6. Apr.1964. 421 Ag8  
Hazards of economic poisons.
- 88641 PEPPER, E. H. Barley disease problems. Crop Quality Council. Ext. Conf. Rpt. 1963:12-13. 464.9 N813  
Including resistance.
- 88642 PICKETT, B. S., and BAILEY, M. H. Freeze probabilities in Tennessee. Tenn. Agr. Expt. Sta. B. 374,27 p.,map. Jan.1964. 100 T25S  
U. S. Weather Bureau, cooperating.  
Includes freeze injury to plants.
- 88643 POLAND. KOMISJA USTALAJACA ZALECENIA OCHRONY SADOW. Calendar for fruit tree protection for 1964. (pol) Owoce Warzywa Kwiaty 4(3):5-12. Feb.1/15,1964. 80 Ow5
- 88644 PYENSON, L. Keep your garden healthy. New York, Dutton, 1964. 256 p. 90.1 P99
- 88645 QUEBEC SOCIETY FOR THE PROTECTION OF PLANTS. Forty-third report, 1961. Quebec, 1963. 79 p. Ref. 464.9 Q3  
Text in English or French with English summaries.
- 88646 RAMEY, T. A. What will wind machines do? Mountaineer Grower 34(251):36-37. Apr.1964. 80 M86  
Frost protection for apples.
- 88647 RAY, V. Effects of fumes in Holland. (Ge) Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr. 5:99-102. 1963. 18 F778  
On plants.
- 88648 REICH, H. Results of testing chemical repellents for wildlife 1962/63. (Ge) Obstbauvers. ring. des Alten Landes. Mitt. 19(1):13-14. Jan. 1964. 85 J76  
Pests of fruit orchards in Germany.
- 88649 REVILLA M., V. A. Phytopathological observations on new varieties of sugarcane introduced from Hawaii. (Sp) Agronomia [Lima] 30 (2):13-23. 1963. 9.8 Ag83
- 88650 REVILLA M., V. A. Phytopathological observations on new varieties of sugarcane introduced from Hawaii. (Sp) Vida Agr. [Lima] 40(479):559-561,563,565,567,569,571-572. Oct. 1963. 9.8 V66
- 88651 REVILLA M., V. A. Principal diseases of coffee, cacao, tea, and bananas in the Huallaga Valley. (Sp) Agronomia [Lima] 30(1):31-32. 1963. 9.8 Ag83
- 88652 RICH, S. Our crops are like canaries. Frontiers Plant Sci. [Conn. Sta.] 16(2):3. May 1964. 100 F92  
Ozone damage to plants.
- 88653 ROBERTS, C. R., and others. Fruit and nut varieties for Kansas, all-purpose spray schedule. Kans. State U. Agr. Ext. L. 50,rev.,4 p. Feb.1964. 275.29 K13Le  
R. W. Campbell, F. B. Hadle, E. Eshbaugh, and C. L. King, joint authors.
- 88654 SCHONBECK, H. Examples for research on effects of fumes in the open country through use of a modification of the trap plant process. (Ge) Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr. 5:47-56. 1963. 18 F778
- 88655 SIMARD, J., CRETE, R., and SIMARD, T. Observations on diseases of vegetables grown on muck soils. (Fr) Quebec Soc. Protect. Plants. Rpt. 43:23-26. 1961,pub.1963. 464.9 Q3  
English summary.



- 88656 STRATMANN, H. Marking and determination of emissions dangerous to vegetation through air analyses. (Ge) Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr. 5:15-17. 1963. 18 F778
- 88657 STRONG, F. C. New developments in treatment of tree and shrub diseases. *Arborist's News* 29(6):46-48. (Concl.) Ref. June 1964. 99.8 Ar14
- 88658 SWARTWOUT, H. G., and ENNIS, W. R. 1964 suggestions for spraying commercial apple orchards. *Mo. Agr. Col. Ext. C.* 805,12 p. 1964. 275.29 M69C
- 88659 SWARTWOUT, H. G., and ENNIS, W. R. 1964 suggestions for spraying commercial grape vineyards. *Mo. Agr. Col. Ext. C.* 803,4 p. 1964. 275.29 M69C
- 88660 TANAKA, Y. On the after spring treatment of citrus trees damaged by cold. (Ja) Noko-to-Engei 18(5):79-81. May 1963. 22.5 N693
- 88661 TELLHELM, E. Early diagnosis of wintering out damage of winter grain with help of the torso method. (Ge) *Deut. Landwirt.* 15(2):80-83. Ref. Feb.1964. 18 D4822
- 88662 TERRAZAS LOYOLA, J., and VELEZ LUNA, E. The use of pesticides and social, economic repercussion. (Sp) *Fitofilo* 16(40):27-34. Oct./Dec.1963. 421 F55  
Hazards and safe guards of plant protection chemicals.
- 88663 TORRECABRERA, J. Hail protection. (Sp) *Cult. Mod.* 46(11):420-422. Nov.1963. 15 C89
- 88664 TURMEL, J. M. Damages and losses due to cold in horticultural collections during the winter 1962-63. (Fr) *Rev. Hort.* 136(2259):670-675. (Cont.) May/June 1964. 80 R32
- 88665 UBRIZSY, G. Growing importance of modern plant protection in agricultural production and in application of chemical methods in agriculture. (Hu) *Szovjet Tapasztalatok a Magyar Mezogazdasagban* 1:56-71. 1962? 19 Sz5
- 88666 UCHIUMA, S. Tomato diseases and their prevention. (Ja) *Noko-to-Engei* 18(5):19-22. May 1963. 22.5 N693
- 88667 UNTERSTENHOFER, G. The basic principles of crop protection field trials. *Pflanzenschutz Nachr. "Bayer"* 16(3):81-164. Ref. 1963. 464.8 H67Ae  
Chemical control of pests and diseases.
- 88668 UZUNOV, I. S. Complete thermo-chemical treatment of barley seeds. (Rus) *Selek. i Semen.* 2:34-37. Mar./Apr.1964. 61.9 Se5  
Disease control and germination; includes effects on yields.
- 88669 VIDAL, J. P. Winter spraying and pre-cleaning of grapes in Roussillon. (Fr) *Pyrennes-Orientale. Chambre d'Agr. B. Tech.* 28:109-121. Dec.1963. 14 F8462  
Control of insect pests, nutritional deficiencies, and fungus diseases.
- 88670 WACHOWICZ, J. Winter damage in orchards. (Pol) *Nowe Roln.* 12(20):21-22. Oct.16/31, 1963. 20.5 N86
- 88671 WAGENINGEN. INSTITUUT VOOR PLANTENZIEKTENKUNDIG ONDERZOEK. Jaarverslag [Annual report], 1963. Wageningen, 1964. 148 p. 464.9 W123J  
English summary.
- 88672 WASSERBURGER, H. J. Plant protection--statistically treated. (Ge) *Chem. u. Tech. in der Landwirt.* 15(1):25-27. 1964. 384 C4292
- 88673 WOOD, L. S. South Dakota crop disease losses in 1962. *Crop Quality Council. Ext. Conf. Rpt.* 1962:17. 464.9 N813
- 88674 WU, L. C., TIEN, W. C., and LIN, Y. S. Seed-borne diseases of soybean in Taiwan. I. Factors affecting the isolation of causal organisms. *Acad. Sinica. Inst. Bot. Bot. B. New Ser.* 5(1):42-53. Ref. Jan.1964. 451 Ac1B
- 88675 WYCHERLEY, P. R., BUTTERY, B. R., and TEMPLETON, J. K. Trunk-snap in *Hevea brasiliensis*. *Internatl. Hort. Cong. [Proc.]*, 16th Cong., v.4:474-480. 1962, pub.1964. 90.09 C7616P  
Includes discussion.
- 88676 XHAO-SHAN-HUEN. Study of methods and further development of the chemical fight for the protection of plants. (Al) *B. i Shkencave Bujqesore* 2(4):3-20. Ref. 1963. 21.5 B87
- 88677 YANG, H. T. Struggle on the battle line of plant protection to achieve even greater success. (Ch) *Chung Kuo Nung Pao* 6:1-4. June 1963. 22.5 C473
- 88678 ZWEIG, G., ed. Analytical methods for pesticides, plant growth regulators, and food additives, vol. 2. *Fungicides, nematocides and soil fumigants, rodenticides, and food and feed additives.* N. Y., Acad. Press, 1964. 237 p. 395 Z9  
I, *Fungicides*, by W. W. Kilgore, J. N. Ospenson, D. E. Pack, G. K. Kohn, H. P. Burchfield, E. E. Storrs, J. R. Lane, G. L. Sutherland, D. MacDougall, W. K. Lowen, H. L. Pease, H. A. Stansbury, M. J. Kolbezen; II, *Nematocides and soil fumigants*, by C. E. Castro, R. A. Gray; III, *Rodenticides*, by K. Stammbach, C. H. Schroeder and J. N. Eble; IV, *Food and feed additives*, by E. J. Thiels, G. N. Smith, J. L. Bevirt, and W. W. Thornburg.

### Diseases Caused by Fungi

- 88679 ANDREN, F. Fungicides for the control of plant diseases. (Sw) *Kem. Vaxtskyddsmedel* 1963:34-39. 385 K313  
Fruit and vegetables.
- 88680 ARSVOLL, K. Black spots on carrots. (No) *Gartneryrket* 54(23):695-696. June 5,1964. 80 G1938
- 88681 ARWIDSSON, E. How about the potatoes. (Sw) *Norrbottnens Lantmannabl.* 5:95-96. July/Aug. 1963. 11 N792  
Control of late blight and brown rot of potatoes.
- 88682 AZEVEDO, N. DE, SANTOS, A., and MACARA, A. *Lophodermium pinastri* (Schr.) Chev. as an agent of "Red Sickness" in *Pinus*. (Por) *Soc. Broteriana. B. (ser.2)* 37:127-142, map. Ref. 1963. 451 C66  
English summary.
- 88683 BECCARI, F., and GOLATO, C. Orientation research on the in vitro action of a quaternary ammonium compound and an antibiotic on pure cultures of banana fruit pathogens. (It) *Riv. di Agr. Subtrop. e Trop.* 58(1/3):89-102. Jan./Mar.1964. 26 Ag82  
English summary.  
Fungi and bacteria.
- 88684 BJORLING, K., and MOLLERSTROM, G. Factors affecting the incidence of downy mildew [*Peronospora farinosa*] in beets in Sweden 1946-1963. *Socker, Handl.* II, 19(2):17-33, map. Ref. 1964. 65.8 Sol
- 88685 BOEREMA, G. H., and KESTEREN, H. A. VAN. On *Mycosphaerella rosigena*, the cause of a serious leaf spot on glasshouse roses in the Netherlands. (Du) *Netherlands. Plantenziektenk. Dienst. Verslagen en Meded.* 138:178-183. Ref. Nov.1963. 464.9 W122  
English summary.
- 88686 BOEREMA, G. H., DORENBOSCH, M. M. J., and KESTEREN, H. A. VAN. Some fungus diseases of note. II. (Du) *Netherlands. Plantenziektenk. Dienst. Verslagen en Meded.* 138:184-186. Ref. Nov.1963. 464.9 W122  
English summary.
- 88687 BONNET, G. Remarks on the subject of determination of ethylenebisdithiocarbamate of zinc in fungicidal substances. (Fr) *Ann. des Falsif. et de l'Expertise Chim.* 57(661/663):26-29. Jan./Mar.1964. 389.8 An72  
Zineb.
- 88688 BORECKI, Z. How to choose a proper fungicide? (Pol) *Owoce Warzywa Kwiaty* 4(3):17-18. Feb.1/15,1964. 80 Ow5  
To control apple scab.
- 88689 BOYLE, L. W. Low-gallonage applications of fungicides for control of peanut leafspots. *Ga. Agr. Expt. Sta. Mimeo. Ser. (n.s.)* 203,20 p. July 1964. 100 G293M  
Formulations.

- 88690 BRANDT, R. W. Ash dieback in New England and New York. Internatl. Shade Tree Conf. Proc., 39th Conf.:38-43. 1963. 99.9 N218  
Includes *Cytophoma pruinosa* and *Fusicoccum* spp. as possible causal agents.
- 88691 BREBION, G. New method of rapid evaluation of the fungicidal activity on detached leaf during survival. (Fr) Ghent. Landbhogesch. Meded. 28(3):548-552. 1963. 105.1 G344  
To determine residual effectiveness.
- 88692 BRITISH INSECTICIDE AND FUNGICIDE COUNCIL. Insecticide and fungicide handbook for crop protection, edited by H. Martin. Oxford, Blackwell, 1963. 306 p. 79 B773
- 88693 BUTIN, H. On the problem of resistance of poplar against *Dothichiza populea* Sacc. et Br. (Ge) Forst- u. Holzwirt 19(12):266-268. June 16, 1964. 99.8 F7724
- 88694 CARRANZA, J. M. Collar and root rots of *Cineraria* (*Senecio cruentus*) produced by *Phytophthora drechsleri*. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:184-188. 1962, pub. 1964. 90.09 C7616P
- 88695 CASTELLANI, E., and ANGLÉSIO, P. Tests for control of peanut rust in the Dominican Republic. (It) Riv. di Agr. Subtrop. e Trop. 58 (1/3):30-46. Jan./Mar. 1964. 26 Ag82  
English summary.  
Caused by *Puccinia arachidis*.
- 88696 CHAKRAVARTY, D. K., and SRIVASTAVA, D. N. Stem-end rot of mango and orange fruits incited by *Diplodia natalensis* Pole Evans. Cur. Sci. 33(9):285. May 5, 1964. 475 Sci23  
Mandarin oranges.
- 88697 CHANEY, D. H. Canker disease—setback for mechanical harvesting. West. Fruit Grower 18(6):22-23. June 1964. 95.8 G762  
*Ceratocystis fimbriata* on prunes and its control.
- 88698 CHRISTENSEN, J. J. Corn smut caused by *Ustilago maydis*. Amer. Phytopath. Soc. Monog. 2, 41 p. Ref. 1963. 464.9 Am31M
- 88699 CLARK, R. V. The influence of seed treatments on the development of seedling blight [*Pyrenophora avenae*] of oats. Canada. Dept. Agr. Res. Br. Plant Res. Inst. Canad. Plant Dis. Survey 43(2):27-32. June 1963. 464.9 C16S
- 88700 CLAUSS, E. On the physiological causes for resistance of peas (*Pisum sativum* L.) to *Ascochyta* and *Mycosphaerella*. (Ge) Z. f. Vererb. 33(8):323-337. Ref. 1963. 442.8 Z34
- 88701 COLHOUN, J. Environment and plant disease. Brit. Mycol. Soc. Trans. 47(1):1-13. Ref. Mar. 1964. 451 B76  
Chiefly effect of climate on fungus diseases.
- 88702 COLLABORATIVE PESTICIDES ANALYTICAL COMMITTEE. Recommended analytical methods for pesticides. 16. Water-insoluble inorganic copper compounds. FAO Plant Protect. B. 11(1):11-19. Feb. 1963. 421 P692
- 88703 DANIELS, J. Saprophytic and parasitic activities of some isolates of *Corticium solani*. Brit. Mycol. Soc. Trans. 46(4):485-502. Ref. Dec. 1963. 451 B76
- 88704 DODOV, D. N., and TANEV, I. I. Rust of oil-bearing roses, *Phragmidium subcorticium* (Schrank) Winter., its biology and methods of control. (Bu) Sofia. Tsent. Nauchnoizsled. Inst. za Zashchita na Rasteniyata Izv. 4:5-39. Ref. 1963. 464.9 So22  
German summary.
- 88705 DOESBURG, J. VAN. Use of fungicides with vegetative propagation. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:365-372. Ref. 1962, pub. 1964. 90.09 C7616P  
Includes discussion.
- 88706 DREL', R. I. Mineral composition of healthy and *Phytophthora* infected potato tubers. (Rus) Leningrad. Sel'skokhoz. Inst. Zap. 87:85-90. Ref. 1962. 106 L543
- 88707 ECKSTEIN, Z., and TOLAK, J. On the properties and the fungicidal activity of aryloxy-acetohydroxamine acids. V. (Pol) Przem. Chem. 42(11):625-629. Ref. Nov. 1963. 385 P952  
English summary.  
Tests with *Fusarium culmorum*, *Alternaria tenuis* and *Rhizoctonia solani*.
- 88708 ERVIO, L. R., HALKILAHTI, A. M., and POHJAKALLIO, O. The survival in the soil of sclerotia of two *Sclerotinia* species and their ability to form mycelia. Advn. Frontiers Plant Sci. 8:121-133. Ref. 1964. 452.4 V81  
*Sclerotinia trifoliorum* and *S. sclerotiorum* pathogenic to clover in Finland.
- 88709 FEDCHENKO, M., and PODLUZHSKII, T. For higher effectiveness of seed treatment equipment. (Rus) Tekh. v Sel'sk. Khoz. 5:52-54. May 1964. 58.8 M11  
Chiefly with fungicides.
- 88710 FEDOTOVA, T. I. The importance for practical selection of intraspecific variability in plant pathogens. (Rus) Vsesoyuzn. Nauch.-Issled. Zashch. Rast. Trudy 17:119-137. 1963. 464.9 L542S  
English summary.  
Race composition of fungi.
- 88711 FIRMAN, I. D., and HANGER, B. F. Resistance to coffee leaf rust in Kenya. Coffee 5(19):87-88. (Cont.) Ref. Oct./Dec. 1963. 68.28 C117Ae  
Caused by *Hemileia vastatrix*.
- 88712 FLORES-CACERES, S. Studies on *Cytospora* sheath rot of sugar cane and on the causal organism, *C. sacchari* Butl. Diss. Abs. 24(12, pt.1):4902. June 1964. 241.8 M58
- 88713 FRASER, N. R. An investigation of the silver tree [*Leucadendron argenteum*] mortality problem in the Cape Province of the Union of South Africa. Quebec Soc. Protect. Plants. Rpt. 43: 64-77. 1961, pub. 1963. 464.9 Q3  
Caused chiefly by beetles *Parandra thunbergii* and *Sphenoptera sinusa* and the fungus *Botryosphaeria ribis*.
- 88714 FREEMAN, T. E., and MULLIN, R. S. Turf-grass diseases and their control. Fla. U. Agr. Ext. C. 221A, 7 p. Apr. 1964. 275.29 F66C  
Chiefly fungus diseases, and their chemical control.
- 88715 FRETER, D. A., and WILCOXSON, R. D. Root rot of legumes caused by *Cylindrocladium scoparium*. Minn. Acad. Sci. Proc. 31(2):107-109. 1964. 500 M663
- 88716 FROHLICH, G. The cercosporiosis of bananas and research on its defestation in the Republic of Guinea. (Ge) Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed. 1(1):90-98. 1963. 26 L53
- 88717 GILLY, MRS. J. A. Preliminary report on the occurrence of the septorioses of *Digitalis lanata* Ehrh. in Hungary. (Hu) Novenytermeles 13 (1):65-70. Mar. 1964. 64.8 N76  
English summary.  
Caused by *Septoria digitalis*.
- 88718 GJAERUM, H. B. Fungicides for the use in orchards. (No) Gartneryrket 54(23):699. June 5, 1964. 80 G1938
- 88719 GJAERUM, H. B. Leaf blight fungi and *Botrytis* of strawberries. (No) Gartneryrket 54(23): 698, 712. June 5, 1964. 80 G1938  
*Diplocarpon earliana*, *Mycosphaerella fragariae* and *Botrytis cinerea*.
- 88720 GJOERUM, H. B. Sjukdommer pa ribes-artene [Diseases of Ribes species]. Norway. Landbr.-dept. Opplysningstjenesten. Smaskr. 16, 4 p. 1963. 464.4 N83  
Chiefly currants and gooseberries.
- 88721 GOELDNER, H. *Peronospora tabacina*-blue mould, a new disease of tobacco in Germany. Pflanzenschutz Nachr. "Bayer" 16(2):49-80. Ref. 1963. 464.8 H67Ae



- 88722 GOODFELLOW, V. V. The 1962 cereal rust situation. Crop Quality Council. Ext. Conf. Rpt. 1962:4-8. 464.9 N813  
Resistant winter wheat.
- 88723 GORLENKO, M. V. Concerning the use of antibiotics in phytopathological practice. (Rus) Moscow. U. Vest. Ser. 6, 3:10-17. Ref. May/June 1963. 442.9 M854  
For control of fungus diseases.
- 88724 GREEN, R. J. Summary—control of mint diseases—1963; Department of Botany and Plant Pathology, Purdue University. Oreg. Essential Oil Growers League. Proc., 15th Annu. Mtg.:2-7, 1964. 308.9 Or3  
Deals primarily with Verticillium wilt incited by Verticillium albo-atrum.
- 88725 GRUNZEL, H. Investigations on the vitality of sporangia and zoospores of Peronospora viticola de Bary. (Ge) Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)17(8/9):139-144. Ref. Aug./Sept. 1963. 464.9 N11  
English summary.  
Cause of downy mildew of grapes.
- 88726 GRYUNER, A. M. Resistance of varieties of apples to fungus diseases. (Rus) Sadovodstvo 4:39. 1964. 80 Sa13
- 88727 HALASZ, E. The effect of fertilization and crop rotation on the infection of maize by Ustilago maydis (C.D.) Cda. and Sphacelotheca reiliana (Kuhn) Clint. var. zeae Pass. (Hu) Novenytermeles 13(1):13-20. Ref. Mar. 1964. 64.8 N76  
English summary.
- 88728 HAMILTON, J. M., and SZKOLNIK, M. A decade with dodine. Cyanograms 11(1):18-24. Spring 1964. 381 Am392  
Fruit fungicide.
- 88729 HANSEN, L. R. The reaction of clones of Bromus inermis and B. inermis  $\times$  pumpeianus to Pyrenophora bromi. Acta Agr. Scand. 14(1):59-64. Ref. 1964. 11 Ac82
- 88730 HARRISON, K. A., and LOCKHART, C. L. The control of field and storage diseases of tomatoes. Canada. Dept. Agr. Res. Br. Plant Res. Inst. Canad. Plant Dis. Survey 43(2):33-38. June 1963. 464.9 C16S  
Phytophthora infestans and Botrytis cinerea.
- 88731 HEGEDUS, KIRALY, A., and LEHOCZKY, J. Large scale control experiments against Peronospora of grape. (Hu) Kerteszeti Szolészeti 13(10):20. May 1964. 80 K474  
Various fungicides applied.
- 88732 HEINRICH, J. Studies on the susceptibility of spring wheat varieties to loose smut Ustilago tritici (Pers.) Rostr. when artificially inoculated. I. (Pol) Acta Agr. et Silvicultura. Ser. Roln. 2:3-35, map. Ref. 1962. 20.5 Ac8  
English summary.
- 88733 HELLOQVIST, H. Results of chemical treatment of six-rowed barley. (Sw) Sweden. Stat. Vaxskyddsanst. Vaxtskyddsnot. 27(4):50-59, map. 1963. 464.9 Sw3V  
Control of fungus diseases and viability.
- 88734 HERMANSEN, J. E. Notes on the appearance of rusts and mildew on barley in Denmark during the years 1961-1963. Acta Agr. Scand. 14(1):33-51. Ref. 1964. 11 Ac82  
Puccinia hordei, P. striiformis and Erysiphe graminis.
- 88735 HERRERA C., M. A., and HERRERA C., J. A. Study of the antibiotic activity of the Bacillus BHH toward pathogenic fungi of cultivated plants. (Sp) Fitofilo 16(39):37-47. July/Sept. 1963. 421 F55
- 88736 HILDRETH, R. C. Cereal rust control with Dithane S-31. Crop Quality Council. Ext. Conf. Rpt. 1962:11-14. 464.9 N813
- 88737 HITOSHI, S., and IKUZO, U. Electron transport system in Ceratocystis fimbriata. J. Biochem. 55(1):11-18. Ref. Jan. 1964. 385 J822  
Cause of black rot of sweetpotatoes.
- 88738 HOES, J. A., and PUTT, E. D. Sunflower diseases in Manitoba in 1963. Canada. Dept. Agr. Res. Br. Plant Res. Inst. Canad. Plant Dis. Survey 43(4):210-211. Dec. 1963. 464.9 C16S  
Fungus diseases and lightning injury.
- 88739 HOLLIDAY, P., and MOWAT, W. P. Foot rot of Piper nigrum L. (Phytophthora palmivora). Commonwealth Mycol. Inst. Phytopath. Papers 5, 62 p., map. Ref. Nov. 20, 1963. 464.9 C73
- 88740 HORNER, C. E., and DOOLEY, H. L. 1963 summary of Oregon State University tests for mint wilt control. Oreg. Essential Oil Growers League. Proc., 15th Annu. Mtg.:8-14, 1964. 308.9 Or3  
Verticillium wilt.
- 88741 HOWELL, P. J. A note on the sporulation of some seed borne fungi under near ultra-violet light. Internatl. Seed Testing Assoc. Proc. 29(1):155-158. 1964. 61.9 In84P
- 88742 HUPPEL, A., and KLINGSTROM, A. Some parasitic fungi in forest nurseries and plantations. (Sw) Norrlands Skogsvardsforbund. Tidskr. 1:53-63. 1964. 99.9 N77  
English summary.  
Coniferae.
- 88743 IRELAND. DEPT. OF AGRICULTURE. Smuts and rusts of cereals. Ireland. Dept. Agr. L. 41, 8 p. July 1963. 10.5 Ir42
- 88744 ITOI, S., KUBOMURA, Y., and NAKAYAMA, K. Prevention of fungus disease of mulberry trees. 1. Eradication of the wintering spores. (Ja) Sansi-Kenkyu 45:40-47. Jan. 1963. 425.9 J273S
- 88745 ITOI, S., KUBOMURA, Y., and NAKAYAMA, K. The relationship between temperature and the budding of the basidiospores of Helicobasidium mompa Takana of Morus. (Ja) Sansi-Kenkyu 45:48-50. Jan. 1963. 425.9 J273S
- 88746 JACKSON, N. Turf disease notes, 1963. Sports Turf Res. Inst. J. 11(39):26-28. 1963. 60.19 B772  
Fungus diseases and winter injuries.
- 88747 JANARDHANAN, K. K., GANGULY, D., and HUSAIN, A. Fusarium wilt of Rauvolfia serpentina. Cur. Sci. 33(10):313. May 20, 1964. 475 Sci23  
Fusarium oxysporum raouvolfi, causal organism.
- 88748 JANKE, C. Investigations on the ecology of powdery scab of potato (Spongopora subterranea Wallr. Johns). (Ge) (Condensed) Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)17(4/5):65-75. Ref. Apr./May 1963. 464.9 N11  
East Germany.
- 88749 JOHNSTON, T. M. TC-90 new copper fungicide developed by Tennessee Corp.; TC-90 is: an emulsifiable concentrate that can be applied as a concentrate or dilute with equal effectiveness. Farm Chem. 127(6):62, 64. June 1964. 57.8 Am3
- 88750 JORGENSEN, J. Investigations on loss in yield due to attack by Cercospora herpotrichoides Fron in field experiments with winter wheat. Acta Agr. Scand. 14(1):12-20. 1964. 11 Ac82
- 88751 JUSCAFRESA, B. Protection of pears and apples against fungi and insects. (Sp) Cult. Mod. 47(5):173-174. May 1964. 15 C89
- 88752 KAKKAR, R. K., and TANDON, R. N. Fusarium rot of taro (Luffa cylindrica (Linn.) M. Roem). Cur. Sci. 33(9):283-284. May 5, 1964. 475 Sci23  
Caused by Fusarium semitectum.
- 88753 KALINICHENKO, R. I. Study of resistance of apple varieties to Monilia. (Rus) Sadovodstvo 3:46. Mar. 1964. 80 Sa13
- 88754 KALMAR, Z. Macro fungi damaging our fruit trees. (Hu) Buvar 9(1):23-24. Jan./Feb. 1964. 410 B98
- 88755 KASZONYI, S. Fusarium wilt of water melon (Citrullus colocynthis (L.) Schard.) and possible ways to control the disease. (Hu) Novenytermeles 13(1):51-64. Ref. Mar. 1964. 64.8 N76  
English summary.  
Caused by Fusarium oxysporum niveum.
- 88756 KENNETH, R. G. Downy mildew of ryegrass [Lolium rigidum] in Israel caused by Sclerotinia lolii sp. nov. Israel J. Bot. 12(3):136-139. Mar. 1964. 450 Is7
- 88757 KESTEREN, H. A. VAN. Leaf spots and stem lesions on Hypericum species associated with Pestalotia hypericina. (Du) Netherlands. Plantenziektenk. Dienst. Verslagen en Meded. 138:187-189. Nov. 1963. 464.9 W122  
English summary.

- 88758 KHOKHRYAKOV, M. K., NOVOTEL'NOVA, N. S. N. S., and POTLAICHUK, V. I. New fungal diseases of cultivated plants in the USSR. (Rus) Vsesoyuzn. Nauch.-Issled. Inst. Zashch. Rast. Trudy 17:216-247. Ref. 1963. 464.9 L542S  
English summary.
- 88759 KIEPAL, Z. Observation of the pathological changes in the shape and structure of the organs of tumbledustard (*Sisymbrium altissimum* L.) attacked by the fungus *Peronospora sisymbrii officinalis* Gaumann. (Pol) Warsaw. Szkola Główna Gosp. Wiejsk. Roln. 7:185-197. 1963. 20.5 W26  
German summary.
- 88760 KOLK, H. Chemical treatment of timothy and clover seed. (Sw) Svensk Frotidn. 33(3):55,57-58. Mar.15,1964. 61.8 Sv2  
Control of fungus diseases.
- 88761 KONKOLY, I. What kind of plant protection chemicals can we use? (Hu) Kerteszlet es Szoleszet 13(11,sup.2):4-5. June 1964. 80 K474  
Application of new insecticides and fungicides in horticulture.
- 88762 KONSTANTINOV, K. The effect of fertilizers and date of sowing on the development of *Erysiphe graminis* D. C. on barley and wheat. (Bu) Sofia. Tsent. Nauchnoizsled. Inst. za Zashchita na Rastenyata. Izv. 4:121-138. Ref. 1963. 464.9 So22  
English summary.
- 88763 KOVATS, L. Increasing the control of cucumber scab (*Cladosporium cucumerinum*). (Hu) Kerteszlet es Szoleszet 13(10):21-22. May 1964. 80 K474
- 88764 KOZERA, W. Studies on the susceptibility of spring barley varieties to loose smut—*Ustilago nuda* (Jens.) Rostr. (Pol) Acta Agr. et Silvestria. Ser. Roln. 2:37-70. Ref. 1962. 20.5 Ac8  
English summary.
- 88765 KRASNOSHCHEKOVA, O. F., and RUNOV, V. I. Content of pectin substances in various cotton varieties infected with *Verticillium dahliae* and *Fusarium vasinfectum* depending on the degree of their resistance to disease. (Rus) Uzbek. Biol. Zhur. 6:55-57. 1962. 442.8 Uz1
- 88766 LADCHENKO, N. M. Study of the resistance of varieties of strawberries to gray mold. (Rus) Sadovodstvo 3:48. Mar.1964. 80 Sa13  
Caused by *Botrytis cinerea*.
- 88767 LANIER, L. A disease of the young plants of *Thuja* in nurseries. (Fr) Phytoma 16(155):23-27. Ref. Feb.1964. 464.8 P563  
Caused by *Didymascella thujina*, and includes control.
- 88768 LAWRENCE, C. H. Common scab of potato. Canada. Dept. Agr. P. 953,3 p. 1964. 7 C16Pu  
*Streptomyces scabies*.
- 88769 LAZAREVA, A. G. Resistance of varieties of gooseberries to *Sphaerotheca mors-uvae*. (Rus) Sadovodstvo 4:38. 1964. 80 Sa13
- 88770 LEBEAU, J. B., and HAWN, E. J. A simple method for control of fairy ring caused by *Marasmius oreades*. Sports Turf Res. Inst. J. 11 (39):23-25. 1963. 60.19 B772
- 88771 LEHOCZKY, J. Experiences from last year's *Peronospora* control of grapes. (Hu) Kerteszlet es Szoleszet 13(9):17. May 1964. 80 K474
- 88772 LEHOCZKY, J., and SOMOS, M. Powdery mildew infection on apple fruits. (Hu) Kiserlet. Kozlem. 56(2):35-45. 1963, pub.1964. 105.9 H89  
English summary.  
Caused by *Podosphaera leucotricha*.
- 88773 LELLEY, I. Control of corn smut (*Ustilago zeae*) with early planting and proper agrotechnique. (Hu) Magyar Mezogazdasag 19(18):13-14. Apr.29,1964. 19 M27
- 88774 LELLEY, I. Corn smut, a threat to our corn production. (Hu) Elovilag 8(5):40-43. Sept./Oct.1963. 410 EL6  
Caused by *Sorosporium holci sorghi*.
- 88775 LENGYEL, GY. Shoot mortality of *Pinus nigra austriaca* in Hungary during 1960-62. (Hu) Erdesz Kutatasok 59(3):55-75, map. Ref. 1963. 99.9 Er24  
German summary.  
Caused by *Cenangium ferruginosum* and climatic conditions.
- 88776 LESKI, R. Fungicide and insecticide mixtures. (Pol) Owoce Warzywa Kwiaty 4(3):18-19. Feb. 1/15,1964. 80 Ow5
- 88777 LO, T. C. Control of seed borne diseases by radioactive irradiation. Acad. Sinica. Inst. Bot. Bot. B. New Ser. 5(1):1-16. Ref. Jan. 1964. 451 Ac1B  
Spot blotch of barley, caused by *Cochliobolus sativus*, brown spot of rice, caused by *C. miyabeanus*, and purple stain of soybeans, caused by *Cercospora kikuchii*.
- 88778 LOUIS, D. The penetration of plants by *Botrytis cinerea* Pers. (Fr) Ann. des Epiphyt. 14 (1):57-72. Ref. 1963. 464.9 F84An  
English summary.
- 88779 MALEC, K. Agrotechnical method of controlling potato wart. (Pol) Nowe Roln. 12(19):33-34. Oct.1/15,1963. 20.5 N86
- 88780 MANSSON, E. Control of late blight. (Sw) Norrbottens Lantmannabl. 5:104. July/Aug. 1963. 11 N792  
Potatoes.
- 88781 MARCOU, G., and CATRINA, I. Experiments made for determining the causes of disappearance of *Quercus robur* in Rumania. (Fr) Internatl. Union Forest Res. Organ. Proc., 13th Cong., v.1, pt.2 (sect.24, paper 13), 16 p. Ref. 1961, pub.1962. 99.9 In82  
*Lymantria dispar*, *Tortrix viridiana*, *Ope-rophthera brumata* and *Microsphaera abbreviata* as chief causal agents.
- 88782 MARQUEZ MUNIZ, Y. Experimental disinfectants; evaluation of them compared with the usual ones for cotton seeds. (Sp) Algodon Mex. 3(15):21-24; (16):20-22,32. (Cont.) Mar./Apr.-May/June 1963. 72.8 AL32  
Chiefly fungicidal chemicals.
- 88783 MATTA, A., and KERLING, C. P. *Verticillium albo-atrum* as a parasite of *Senecio vulgaris*. Phytopath. Lab. "Willie Commelin Scholten," Baarn. Meded. 45:27-32. Ref. 1964. 464.9 P56M
- 88784 MATTHEWS, D. A note on the testing of pea seeds for the presence of *Ascochyta* species. Internatl. Seed Testing Assoc. Proc. 29(1):141-144. 1964. 61.9 In84P
- 88785 MEREDITH, D. S. Tip rot of banana fruits in Jamaica. I. *Hendersonula toruloides* on Dwarf Cavendish bananas. Brit. Mycol. Soc. Trans. 46(4):473-481. Ref. Dec.1963. 451 B76
- 88786 MIHAILOVA, P. The biology and ecology of shot-hole disease in stone-fruits in connection with forecast. II. Ecology of the disease (duration of the incubation period). (Bu) Sofia. Tsent. Nauchnoizsled. Inst. za Zashchita na Rastenyata. Izv. 4:67-82. 1963. 464.9 So22  
English summary.  
*Clasterosporium carpophilum*.
- 88787 MILENKO, YA. F. Cleaning sunflower seeds from *Sclerotinia sclerotiorum* with water. (Rus) Selekt. i Semen. 2:73-74. Mar./Apr.1964. 61.9 Se5
- 88788 MOLLER, W. J. Apricot disease found on garden shrub. So. Austral. J. Agr. 67(8):251. Mar.1964. 23 So84  
*Eutypa armeniaca* on *Ceanothus*.
- 88789 MONTANT, C. Physiological study of an *Exobasidium rhododendri* associated yeast responsible for the foliar galls of *Rhododendron ferrugineum*. (Fr) Soc. de Biol. Compt. Rend. 158(2):381-383. 1964. 442.9 P21  
Probably close to *Torulopsis laurentii*.



- 88790 MONTESSORI, T., and BELARDELLI, C. F. Hortocritt, nuovo fungicida organico per la difesa delle colture orticole floreali ed erbacee [Hortocritt; new organic fungicide for protecting vegetables, floral, and herbaceous plants]. Soc. Ital. Amer. Prod. Antiparas. Quaderni Tec. S. I. A. P. A. 13,33 p. May 1963. 423 Sol3Q
- 88791 MULLER, H. W. K. Insecticides in the German strawberry culture. (Fr) Cour. Phytochim 3(3):44-45. 1963. 464.8 C83  
Includes control of Botrytis cinerea and virus diseases transmitted by insects.
- 88792 NAKAZAWA, A., and SANO, H. Research in the cultivation of sweet potatoes by the direct seeding of seed. 1. Prevention of rot in the seed sections. (Ja) Nogyo Gijutsu 18(9):21-23. Sept. 1963. 22.5 N6829
- 88793 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Bestrijding van monilia-rot bij kers, morel en pruim [Control of Monilia rot of cherries, morello and plums]. Netherlands. Plantenziektenk. Dienst. Ber. 1588,3 p. Mar. 16, 1964. 464.9 N38
- 88794 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Doodspuiten van aardappelrot [Killing of potato vines through spraying]. Netherlands. Plantenziektenk. Dienst. Ber. 1588,4 p. July 23, 1963. 464.9 N38  
With reference to the control of Phytophthora infestans.
- 88795 NEW SOUTH WALES. DEPT. OF AGRICULTURE. BIOLOGY BR. Early blight or target spot of tomatoes. N. S. Wales. Dept. Agr. Biol. Br. Plant Dis. L. 122, ed. 2, 8 p. 1963. 464.9 N47  
Caused by Alternaria porri solani.
- 88796 NEW SOUTH WALES. DEPT. OF AGRICULTURE. BIOLOGY BR. Melanose of citrus. N. S. Wales. Dept. Agr. Biol. Br. Plant Dis. L. 22, 7 p. 1963. 464.9 N47  
Diaporthe citri, causative agent.
- 88797 NYBERG, A. Mycosphaerella citrullina on cucumber—observations and experiments. (Sw) Sweden. Stat. Vaxtskyddsanst. Vaxtskyddsnot. 27(5/6):76-82, map. 1963. 464.9 Sw3V
- 88798 PAL, A., and NANDI, P. A new antifungal antibiotic produced by Streptomyces sp. Ac2435. Experientia 20(6):321-322. June 15, 1964. 475 Ex7  
Tested on plant pathogens.
- 88799 PANEL discussion: Flaming? Plowing? Chemicals? Oreg. Essential Oil Growers League. Proc., 15th Annu. Mtg.:20-23. 1964. 308.9 Or3  
Moderator: C. E. Horner; panel members: M. Helms, D. Harnisch, D. Eisenmann, and D. Chambers.  
Discussion concerns the reduction of the spread of mint wilt.
- 88800 PAVES, H., and POLDMAA, P. A dangerous fungus disease of young larches [Larix]. (Es) Eesti Loodus 5:307-309. Ref. Sept./Oct. 1963. 409.6 Ee7  
English summary.  
Meria laricis.
- 88801 PETTERSSON, C. G. Stalk break of potatoes. (Sw) Sweden. Stat. Vaxtskyddsanst. Vaxtskyddsnot. 27(5/6):85-87. 1963. 464.9 Sw3V  
Caused by Sclerotinia sclerotiorum.
- 88802 PODHRADSKY, J., and KACSO, A. Contribution to the etiology and control of the epidemic blast (brusone disease) of rice. (Hu) Kiserlet. Kozlem. 56/A(1):71-81. Ref. 1963, pub. 1964. 105.9 H89  
English summary.  
Caused by Piricularia oryzae.
- 88803 POHOSKA, I. Dry treatment of pea and beet seeds. (Pol) B. Warzywniczy 6:335-343. 1961/62. 80 B54  
English summary.  
To control fungus diseases.
- 88804 PREECE, T. F. Micro-exploration and mapping of apple scab [Venturia inaequalis] infections. Brit. Mycol. Soc. Trans. 46(4):523-529. Ref. Dec. 1963. 451 B76
- 88805 RADULESCU, E., and others. Investigation on the increase of the phytopathogenous fungi on the maize seeds during storage period and in soil after sowing. (Rum) Bucharest. Acad. Repub. Pop. Romine. Filiala Cluj. Studii si Cercet. de Agron. 13:135-143. Ref. 1962, pub. 1963. 21 B854  
E. Perseca, G. Ripeanu, I. Bobes, O. Pall, and V. Popescu, joint authors.  
English summary.
- 88806 RAGOZZINO, A. A disease of the laurelcherry (Prunus laurocerasus L.) from Phomopsis padana (Sacc.) Died. (It) Naples. U. Facol. di Sci. Agr. Ann. (ser. 3) 29:409-412. 1963/64. 105.4 P83  
English summary.
- 88807 REVILLA M., V. New disease of cucumbers in Peru. (Sp) Vida Agr. [Lima] 41(483):67,69,71-72. Feb. 1964. 9.8 V66  
Caused by Phytophthora infestans.
- 88808 RODRIGUEZ, M., R. A. Estudios sobre la enfermedad rosada del cafe [Studies on "mal rosado" of coffee]. Costa. Rica. Min. de Agr. y Ganad. B. Tec. 46, 35 p. Ref. 1964. 8 C827  
English summary.  
Caused by Corticium salmonicolor.
- 88809 ROMIG, R. W. The cooperative Rust Laboratory aids stem rust [Puccinia graminis tritici] control. Crop Quality Council. Ext. Conf. Rpt. 1963:19-21. 464.9 N813  
At University of Minnesota.
- 88810 ROWELL, J. B. Rust control chemicals. Crop Quality Council. Ext. Conf. Rpt. 1962:9-10. 464.9 N813
- 88811 SANTERRE, J. Relative importance of the black dot and silver scurf in the Quebec Province. (Fr) Quebec Soc. Protect. Plants. Rpt. 43:56-60. 1961, pub. 1963. 464.9 Q3  
English summary.  
Caused respectively by Colletotrichum coccodes and Helminthosporium atrovierns on potatoes.
- 88812 SCHMIDT, E., and WENNINGER, H. New methods for controlling loose smut of barley and wheat in the German Democratic Republic. (Ge) Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 17(3):48-55. Ref. Mar. 1963. 464.9 N11  
English summary.  
Seed treatment to control Ustilago nuda and U. tritici, respectively.
- 88813 SCHMIDT, T. Cup fungus [Sclerotinia sclerotiorum on Cineraria]. (Ge) Pflanzenarzt 17(1):8-9. Jan. 1, 1964. 464.9 P482
- 88814 SCHOLTEN, G. New insights into rootrot-control in Cyclamen culture. Internatl. Hort. Cong. [Proc.], 16th Cong., v. 4:177-179. 1962, pub. 1964. 90.09 C7616P  
Cylindrocarpum radiculicola and Thielaviopsis basicola, causal organisms.
- 88815 SCHULZE, K., and RIGHI, R. Super Cosan: perche super cosan in viticoltura? [Super Cosan in viticulture?]. Soc. Ital. Amer. Prod. Antiparas. Quaderni Tec. S. I. A. P. A. 15, 21 p. July 3, 1963. 423 Sol3Q  
To control Uncinula necator and mites.
- 88816 SEMB, L. Loksjudommer [Onion diseases]. Norway. Landbrdept. Opplysningstjenesten. Smaskr. 15, 8 p. 1963. 464.4 N83  
Fungus diseases.
- 88817 SEMB, L. White rot [Sclerotium cepivorum] of onions. (No) Gartneryrket 54(23):716, 718-721. June 5, 1964. 80 G1938
- 88818 SHERF, A. F. Scab of cucumber and other vine crops. N. Y. State Col. Agr. (Cornell U.) Ext. Cornell Ext. B. 1129, 4 p. June 1964. 275.29 N48E  
Caused by Cladosporium cucumerinum.
- 88819 SHIRKO, V. N. Some data on studies of resistance of tomatoes to Phytophthora. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 35(2):210-214. 1963. 451 R92  
English summary.
- 88820 SILVA, R. L. DE., and WOOD, R. K. S. Infection of plants by Corticium solani and C. pratensis—effect of plant exudates. Brit. Mycol. Soc. Trans. 47(1):15-24. Mar. 1964. 451 B76  
Chiefly cabbage and lettuce.

- 88821 SIMARD, T. Study of two methods of forecasting the late blight of potatoes. (Fr) Quebec Soc. Protect. Plants. Rpt. 43:39-41. Ref. 1961, pub.1963. 464.9 Q3  
English summary.  
Caused by *Phytophthora infestans*.
- 88822 SINGH, G. P., and HUSAIN, A. Presence of fusaric acid in wilt-affected pigeon-pea plants. Cur. Sci. 33(9):287. May 5, 1964. 475 Sci23  
Fusarium lateritium cajani, causal organism.
- 88823 SMITH, W. P. C. Take-all and other root-rotting diseases in wheat. Farmers' & Sci. Joint Conf. Cereals & Wool, 5th Conf.:30-32. 1963. 27 F22C
- 88824 SOKOLOVA, V. E. On the toxicity of chlorogenic acid and its derivatives—caffeic and quinic acids with respect to *Phytophthora infestans*. (Rus) Akad. Nauk SSSR. Izv. Ser. Biol. 5:707-718. Ref. Sept./Oct.1963. 511 Sa2B  
English summary.
- 88825 SPARROW, F. K. Observations on chytridiaceous parasites of phanerogams. XIII. *Phyodermma maculare* Wallroth. Ach. f. Mikrobiol. 48(2):136-149. Ref. 1964. 442.8 Ar26  
On *Alisma plantago-aquatica*.
- 88826 SREERAMULU, T. Incidence of conidia of *Erysiphe graminis* in the air over a mildew-infected barley field. Brit. Mycol. Soc. Trans. 47(1):31-38. Ref. Mar.1964. 451 B76
- 88827 STONE, W. J. H. Epiphytology and physiology of spearmint rust, caused by *Puccinia menthae* Pers. Diss. Abs. 24(12,pt.1):4903-4904. June 1964. 241.8 M58
- 88828 TEMPE, J. DE. Helminthosporium spp. in seeds of wheat, barley, oats and rye. Internatl. Seed Testing Assoc. Proc. 29(1):117-140. Ref. 1964. 61.9 In84P
- 88829 TEMPE, J. DE. Seed-borne *Fusarium* infection in temperate climate cereals. Internatl. Seed Testing Assoc. Proc. 29(1):97-116. Ref. 1964. 61.9 In84P
- 88830 TOLEDO, F. F. DE, and GRANER, M. Peanuts: seed treatment. (Por) Rev. de Agr. [Piracicaba] 38(4):189-195. Dec.1963. 9.2 R324  
English summary.  
Fungicides and an insecticide (Aldrin).
- 88831 TUPENEVICH, S. M., and SHIRKO, V. N. Diseases of seed lupine under the conditions of Leningrad Region and their control. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 34(1):115-123. 1962. 451 R92  
English summary.  
Fungus diseases.
- 88832 TUZ, A. S. Study of resistance of varieties of pears to scab [*Venturia pirina*]. (Rus) Sadovodstvo 3:47. Mar.1964. 80 Sa13
- 88833 VANIN, I. I., and LESYUK, E. A. Resistance of some apple varieties to the apple scab [*Venturia inaequalis*]. (Rus) Sadovodstvo 3:45. Mar. 1964. 80 Sa13
- 88834 VARSHNEY, C. K. A new host of *Sorosporium bullatum* Pavgi and Thirumalachar—*Aristida funiculata* Trin. and Rupr. Cur. Sci. 33(10):314. May 20, 1964. 475 Sci23
- 88835 VELDEMAN, R. *Rhizoctonia* injuries to lettuce. (Fl) Tuinbouwberichten 28(2):77. Feb. 1964. 80 T817
- 88836 WAFFELAERT, P. *Verticillium* of tomato, eggplant, and pepper. (Fr) Pyrenees-Orientale. Chambre d'Agr. B. Tech. 28:123-132. Dec.1963. 14 F8462
- 88837 WALLIN, J. R. Texas, Oklahoma and Kansas winter temperatures and rainfall, and summer occurrence of *Puccinia graminis tritici* in Kansas, Dakotas, Nebraska, and Minnesota. Internatl. J. Biomet. 7(3):241-244. Mar.1964. 340.8 In8  
On wheat.
- 88838 WELVAERT, W., and VELDEMAN, R. Procedure for the chemical control of *Rhizoctonia solani* Kuhn in beds of cuttings. (Fr) Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:201-208. 1962, pub.1964. 90.09 C7616P  
Ornamental plants.
- 88839 WENZL, H. A contribution on the relationship of *Cercospora beticola* to temperature and precipitation. (Ge) Pflanzenschutzberichte 29(9/10):137-142. May 1963. 464.9 P48  
English summary.  
On sugar beet and fodder beet seeds.
- 88840 WENZL, H. *Rhizoctonia*—leaf roll of potato. (Ge) Pflanzenarzt 16(12):139-140. Dec.1, 1963. 464.9 P482
- 88841 WICKENS, G. M. *Fusarium* wilt of cotton; seed husk a potential means of dissemination. Empire Cotton Growing Rev. 41(1):23-26, map. Jan.1964. 72.8 Em7  
Fusarium oxysporum vasinfectum, causal organism.  
Tanganyika.
- 88842 WIEJAK, K. Observations on epidemiology of the *Phytophthora infestans* (DB) on tomatoes during 1961 year. (Pol) B. Warzywnicz 6:355-365. 1961/62. 80 B54  
English summary.
- 88843 WILDBOLZ, T. Integrated pest control in fruit culture. (Ge) Grune 92(26):819-823. June 26, 1964. 17 Sch9  
Chemical and biological control for fungus diseases and insects.
- 88844 WILLIAMS, P. H., and STAPLES, R. C. Acid phosphatases from healthy and rust [*Uromyces phaseoli*] infected pinto bean leaves. Boyce Thompson Inst. Contrib. 22(6):269-282. Ref. Apr./June 1964. 451 B69
- 88845 WILSON, C. L. The oak wilt problem. Ark. Farm Res. 13(3):4. May/June 1964. 100 Ar42F
- 88846 WOLF, F. A. The causal fungi of a leaf disease of Joshua tree, *Yucca arborescens* Trel. Elisha Mitchell Sci. Soc. J. 80(1):18-21. May 1964. 500 EL4  
*Stagonospora gigantea*, *Coniothyrium concentricum* and *Pleospora ellisii*.
- 88847 YU, L. M., and HAMPTON, R. E. Biochemical changes in tobacco infected with *Colletotrichum destructivum*. II. Peroxidases. Phytochemistry 3(4):499-501. July 1964. 450 P5622
- 88848 ZACHOS, D. G., and PANAGOPOULOS, C. G. A hadromycosis of grapes caused by *Verticillium albo-atrum* Reinke et Berth. (Fr) Inst. Phytopath. Benaki. Ann. (n.s.)5(3):303-304. 1963. 464.9 At4
- 88849 ZACHOS, D. G., and MAKRI, S. A. Research on *Gloeosporium olivarum* Alm. in Greece. III. Epidemiology of the malady. (Fr) Inst. Phytopath. Benaki. Ann. (n.s.)5(3):238-259. 1963. 464.9 At4  
On olives.
- 88850 ZAMBETTAKIS, C. Smuts of Bermudagrass [*Cynodon dactylon*]. (Fr) Rev. de Mycol. 28(5):312-348. Ref. Dec.31, 1963. 450 An74
- 88851 ZIELINSKA, J. Parasites on the lichen genus *Peltigera* Pers. (Pol) Monog. Bot. 15:427-432. 1963. 450 M75  
English summary.

#### Diseases Caused by Bacteria

- 88852 ADAMOVA, O. P. Evaluating the bean collection to bacteriosis resistance. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 34(1):124-134. Ref. 1962. 451 R92  
English summary.
- 88853 CROSS, J. E. Field differences in pathogenicity between Tanganyika populations of *Xanthomonas malvacearum*. Empire Cotton Growing Rev. 41(1):44-48. Jan.1964. 72.8 Em7
- 88854 CROSS, J. E., and HAYWARD, A. C. Relationship between pathogenicity and phage type in *Xanthomonas malvacearum*. Empire Cotton Rev. 41(1):49-50. Jan.1964. 72.8 Em7  
Cause of cotton bacterial blight.
- 88855 GENEUREUX, H., and SANTERRE, J. Comparative efficacy of methods of *Corynebacterium sepedonicum* (Spieck. et Koff.) Skaptason et Burkholder inoculation to potatoes. (Fr) Quebec Soc. Protect. Plants. Rpt. 43:47-55. Ref. 1961, pub.1963. 464.9 Q3  
English summary.  
Evaluating varietal resistance to root rot.



- 88856 JENKINS, J. H. Studies on bacterial leaf spot of bell pepper and the causal organism *Xanthomonas vesicatoria*. Diss. Abs. 24(12,pt.1): 4902. June 1964. 241.8 M58
- 88857 KARNATZ, H. Report of a visit to England to study the cultural conditions for sweet cherries with special reference to bacterial blight. (Ge) Obstbauversring. des Alten Landes. Mitt. 18 (11/12):398-403. Nov./Dec.1963. 85 J76
- 88858 LOVREKOVICH, L., KLEMENT, Z., and FAR-KAS, G. L. Toxic effect of *Pseudomonas tabaci* on RNA metabolism in tobacco and its counteraction by kinetin. Science 145(3628):165. July 10, 1964. 470 Sci2
- 88859 OLOFSSON, B. Black leg disease of potatoes. (Sw) Sweden. Stat. Vaxtskyddsanst. Vaxtskyddsnot. 27(5/6):71-75. 1963. 464.9 Sw3V  
Caused by *Pectobacterium carotovorum*.
- 88860 PERRY, D. A. Note on the production of pectic enzymes by *Xanthomonas malvacearum*. Empire Cotton Growing Rev. 39(4):277-279. Oct. 1962. 72.8 Em7  
Causative agent of bacterial blight of cotton.
- 88861 POLSPOEL, A. *Pseudomonas* species of wilt-loof. (Fl) Tuinbouwberichten 28(2):59-61. Feb. 1964. 80 T817
- 88862 RANGASWAMI, G. Occurrence of two bacterial plant diseases in South India. Cur. Sci. 33(9): 286-287. May 5, 1964. 475 Sci23  
*Xanthomonas ricinicola* on castorbeans and *X. jasminicola* on *Jasminum flexile travancorense*.
- 88863 TINOCO, A. DA. S. "Murcho" disease of tomatoes. (Por) Granja [Lisboa] 22(3/4):75-79. July/Dec. 1963. 15.5 G76  
Caused by *Pseudomonas solanacearum*.
- 88864 ZACHOS, D. G., PANAGOPOULOS, C. G., and MAKRIS, S. A. A disease of maize in Greece caused by *Erwinia carotovora* (Jones) Holland. Inst. Phytopath. Benaki. Ann. (n.s.)5(3):288-293. Ref. 1963. 464.9 At4
- Viruses and Virus Diseases**
- 88865 BRANDES, J. Identifizierung von gestreckten pflanzenpathogenen Viren auf morphologischer Grundlage; zugleich eine Zusammenstellung von grundlegenden Daten für die Klassifizierung dieser Viren [Identification of attenuated phytopathogenic viruses on morphological basis; together with a compilation of basic data for the classification of these viruses]. Berlin. Biol. Bundesanst. f. Land- u. Forstwirtschaft. Mitt. 110, 130 p. Ref. Jan. 1964. 410.9 G31M
- 88866 CHRISTENSEN, M. Greenhouse control of seed potatoes. (Da) Landbonyt 18(1):19-22. Jan. 1964. 11 L2322  
Control of virus diseases.
- 88867 GHENA, N. Some aspects concerning the use of the serological method in studying plant viruses. (Rum) Prob. Agr. [Bucharest] 15(12): 55-62. Ref. Dec. 1963. 21 R862  
English summary.
- 88868 GYORGY, MRS. K., and NEMETH, M. The use of gel filters in the purification of fruit tree viruses. (Hu) Novenytermeles 13(1):71-72. Mar. 1964. 64.8 N76  
English summary.
- 88869 HAMMANN, U., and others. The health situation of our seed potatoes—determined from results of cutting tests, field inspection, and field source tests. (Ge) Z. f. Landwirt. Vers. u. Untersuchw. 10(2):113-136. 1964. 18 Z32  
H. Gall, K. Neitzel, and M. Scholz, joint authors.  
English summary.  
Virus resistance.
- 88870 HORVATH, J., and HINFNER, K. On the occurrence of potato K virus, (*Solanum virus 11* Smith) in Hungary. (Hu) Novenytermeles 13(1):83-86. Ref. Mar. 1964. 64.8 N76  
English summary.
- 88871 HORVATH, J. Virus diseases of potatoes. II. Methods for identification. (Hu) Novenytermeles 13(1):87-94. Ref. Mar. 1964. 64.8 N76  
Review of literature.
- 88872 HULL, R. Some virus diseases of sweet peas in England. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:180-183. 1962, pub. 1964. 90.09 C7616P  
Includes aphid transmission.
- 88873 KEANE, F. W. L., and MAY, J. Natural root grafting in cherry, and spread of cherry twisted leaf virus. Canada. Dept. Agr. Res. Br. Plant Res. Inst. Canad. Plant Dis. Survey 43(2):54-60. June 1963. 464.9 C16S
- 88874 KLINKOVSKII, M., and KEGLER, G. Analysis of virus diseases of seed and stone fruit trees. (Rus) Zhur. Obshch. Biol. 24(5):345-351. Ref. Sept./Oct. 1963. 442.8 Z6
- 88875 KOENIG, R. Investigations on the chemical nature and transmission of the nucleic acid of potato leaf roll virus. Diss. Abs. 24(12,pt.1): 4903. June 1964. 241.8 M58
- 88876 KOLLMER, G., and ARENZ, B. Experiments to clarify the problem of strains in the case of leaf roll virus of potatoes. (Ge) Z. f. Vererbhlehre. 33(8):347-352. Ref. 1963. 442.8 Z34  
Germany.
- 88877 KORSKOV, N. I. Beans affected by common mosaic. (Rus) Trudy po Prikl. Bot. Genet. i Selek. 34(1):135-151. Ref. 1962. 451 R92  
English summary.
- 88878 KOVACHEVSKI, I., and others. Izsledvaniya na bolestta stolbur v Bulgariya [Research on stolbur in Bulgaria]. Sofiya, Izdatel'stvo na Bulgarskata Akademiia na Naukite, 1964. 129 p. Ref. 464.32 K84  
D. Arabadzhiev, S. Martinov, E. Elenkov, M. Markov, P. Petkov, E. Khristova, and D. Danova, joint authors.  
German summary.
- 88879 KUHN, C. W., and DEMPSEY, A. H. Tobacco etch virus in pimientos [*Capsicum annum*]. Ga. Agr. Res. 5(4):5-6, 10. Spring 1964. 100 G295
- 88880 MARTIN DE EUGENIO, A. A. Studies on virus diseases of beans. (Sp) Spain. Inst. Nac. de Invest. Agron. Conf. 1964:93-115. 15 Sp18C
- 88881 NOUR, M. A., and NOUR, J. J. Identification, transmission and host range of leaf curl viruses infecting cotton in the Sudan. Empire Cotton Growing Rev. 41(1):27-37. Jan. 1964. 72.8 Em7  
Tests on *Bemisia tabaci* as vector, included.
- 88882 POMAZKOV, YU. I. Healthy rootstocks of currant are needed. (Rus) Sadovodstvo 3:32-34. Mar. 1964. 80 Sa13  
Cuttings free from reversion.
- 88883 RYDEN, K. Aspermy—a common virus disease of Chrysanthemum. (Sw) Sweden. Stat. Vaxtskyddsanst. Vaxtskyddsnot. 27(5/6):67-70. 1963. 464.9 Sw3V
- 88884 SALIBE, A. A. Reaction of citrus types to exocortis. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:533-541. Ref. 1962, pub. 1964. 90.09 C7616P
- 88885 SONE, T. The prevention of tomato virus. (Ja) Noko-to-Engei 18(4):117-118. Apr. 1963. 22.5 N693
- 88886 SYMONS, R. H. Genetic coding in plant and bacterial viruses. Rev. Pure & Appl. Chem. 13:211-246. Ref. Dec. 1963. 385 R328
- 88887 TAHON, J. Obtainment of virulence extracts grown for a cherry virus. (Fr) Ghent. Landhogesch. Meded. 28(3):1034-1041. 1963. 105.1 G334
- 88888 TAKAI, A. On the distribution pattern of the yellow dwarf disease of the rice plant. (Ja) Jap. J. Ecol. 13(4):151-156. Ref. Aug. 1963. 410 J272  
English summary.
- 88889 TANAKA, S. Virus diseases of citrus. (Ja) Kajitsu Nippon 19(2):13-16. Feb. 1964. 80 K122
- 88890 TEAKLE, D. S. Transmission of tobacco necrosis virus by *Olpidium brassicae*. Diss. Abs. 24(12,pt.1):4904. June 1964. 241.8 M58
- 88891 WELCH, D. R. An analysis of sour cherry necrotic ringspot and clover mosaic viruses. Diss. Abs. 24(12,pt.1):4904-4905. June 1964. 241.8 M58

- 88892 WENZL, H. Investigations on the diagnosis of virus disease in potato tubers with the Fehling test. (Ge) Pflanzenschutzberichte 30(9/10): 129-158. Dec.1963. 464.9 P48  
English summary.
- 88893 WHITE, J. C. Studies on the tobacco etch virus wilt of Tabasco pepper plants. Diss. Abs. 24(12,pt.1):4905. June 1964. 241.8 M58
- 88894 YAMAZAKI, H., and KAESBERG, P. Degradation of bromegrass mosaic virus with calcium chloride and the isolation of its protein and nucleic acid. J. Molecular Biol. 7(6):760-762. Dec.1963. 442.8 J8224
- 88895 ZACHOS, D. G., and GAKIOPOULOS, H. C. Psorosis of mandarin trees in Greece. Inst. Phytopath. Benaki. Ann. (n.s.)5(3):301-302. 1963. 464.9 At4  
A virus disease.
- Diseases Caused by Nematodes**
- 88896 ALCOCER GOMEZ, L., and GOTTWALD G., C. Determination of plant parasitic nematodes in Mexico. (Sp) Fitofilo 16(39):3-26. July/Sept. 1963. 421 F55
- 88897 ANDERSEN, S. Resistance to cereal root eelworm (*Heterodera avenae* Woll.). Testing methods. Nematologica 9(4):527-530. 1963. 436.8 N342
- 88898 BRANDE, J. VAN DEN, and HERDE, J. Phenological control of the potato root eelworm (*Heterodera rostochiensis* Woll.). Nematologica 10(1):25-27. 1964. 436.8 N342
- 88899 BURDETT, J. F., BIRD, A. F., and FISHER, J. M. The growth of *Meloidogyne* in *Prunus persica*. Nematologica 9(4):542-546. Ref. 1963. 436.8 N342
- 88900 CHAMBERLAIN, R. The role of soil-sampling and regulatory measures in potato root eelworm [*Heterodera rostochiensis*] control. Nematologica 10(1):21-24. 1964. 436.8 N342
- 88901 DAULTON, R. A. C., and CURTIS, R. F. The effects of *Tagetes* spp. on *Meloidogyne javanica* in Southern Rhodesia. Nematologica 9(3):357-362. Ref. 1963. 436.8 N342
- 88902 DIXON, G. M. The effect of spring rainfall on the host-parasite relationship between the cereal root eelworm (*Heterodera avenae* Woll.) and the oat plant (*Avenae sativa* L.). Nematologica 9(4):521-526. 1963. 436.8 N342
- 88903 DROPKIN, V. H. Cellulase in phytoparasitic nematodes. Nematologica 9(3):444-454. Ref. 1963. 436.8 N342
- 88904 DROZDOVSKII, E. Nematodes of strawberries. (Rus) Sadovodstvo 4:56-57. 1964. 80 Sa13  
*Aphelenchoides fragariae* and *Ditylenchus dipsaci*.
- 88905 EDWARDS, D. I., and TAYLOR, D. P. Host range of an Illinois population of the stem nematode (*Ditylenchus dipsaci*) isolated from onion. Nematologica 9(3):305-312. Ref. 1963. 436.8 N342
- 88906 FIDLER, J. H., and BEVAN, W. J. Some soil factors influencing the density of cereal root eelworm (*Heterodera avenae* Woll.) populations and their damage to the oat crop. Nematologica 9(3):412-420. Ref. 1963. 436.8 N342
- 88907 GOFFART, H. German experiences on the efficiency of certain nematicides under different conditions. (Ge) Nematologica 10(1):29-34. 1964. 436.8 N342  
English summary.
- 88908 GOFFART, H. The resistance problem in nematode research. (Ge) Berlin. Biol. Bundesanst. f. Land- u. Forstwirtschaft. Mitt. 111:7-28. Ref. Feb.1964. 410.9 G31M  
English summary.
- 88909 GOFFART, H. Some observations on the biology and etiology of the beet nematode *Ditylenchus dipsaci* (Kuhn). (Ge) Berlin. Biol. Bundesanst. f. Land- u. Forstwirtschaft. Mitt. 111:62-72. Ref. Feb.1964. 410.9 G31M  
English summary.
- 88910 GRAINGER, J. Factors affecting the control of eelworm diseases. Nematologica 10(1):5-20. Ref. 1964. 436.8 N342
- 88911 HOLLIS, J. P. Action of plant-parasitic nematodes on their hosts. Nematologica 9(4):475-494. Ref. 1963. 436.8 N342
- 88912 HOMEYER, B. Experiences in testing nematocides. (Ge) Berlin. Biol. Bundesanst. f. Land- u. Forstwirtschaft. Mitt. 111:43-49. Ref. Feb.1964. 410.9 G31M  
English summary.  
Includes discussion.
- 88913 HOOF, H. A. VAN. Serial transmission of rattle virus by a single male of *Trichodorus pachydermus* Seinhorst. Nematologica 10(1):141-144. 1964. 436.8 N342  
On tobacco.
- 88914 HULSMAN, C. A. The influence of resistant potato varieties on the soil population of *Heterodera rostochiensis* Woll. II. Nematologica 9(3):354-356. 1963. 436.8 N342
- 88915 INTERNATIONAL SYMPOSIUM OF THE SOCIETY OF EUROPEAN NEMATOLOGISTS, 7, AUCHINCRAIG, SCOTLAND, 1963. Abstracts of lectures. Nematologica 10(1):61-81. 1964. 436.8 N342
- 88916 JAVOR, I. Four new nematode species in Hungary. (Hu) Magyar Mezogazdasag 19(25):15. June 17, 1964. 19 M27  
*Heterodera* spp. and *Ditylenchus allii* parasites of plants.
- 88917 JOHANSSON, E., and NIEDIECK, H. Notes on the rot nematode of potatoes. (Sw) Sweden. Stat. Vaxtskyddsanst. Vaxtskyddsnot. 27(5/6): 90-95. 1963. 464.9 Sw3V  
*Ditylenchus destructor*.
- 88918 JOHNSTON, A. Plant nematodes in the South East Asia and Pacific Region. Food & Agr. Organ. United Nations. Plant Protect. Com. So. East Asia & Pacific Region. Tech. Doc. 30, 16 p. June 26, 1963. 464.9 F733  
Includes host list.
- 88919 KLINKENBERG, C. H. Observations on the feeding habits of *Rotylenchus uniformis*, *Pratylenchus crenatus*, *P. penetrans*, *Tylenchorhynchus dubius* and *Hemicyclophora similis*. Nematologica 9(4):502-506. 1963. 436.8 N342  
Plant parasites.
- 88920 KORT, J. The estimation of the proportion of resistance-breaking biotypes on a potato cyst eelworm (*Heterodera rostochiensis* Woll.) population. Netherlands. Plantenziektenk. Dienst. Verslagen en Meded. 138:190-192. Nov.1963. 464.9 W122
- 88921 KRALL, E. L. Nematodes as dangerous parasites of fruit trees. (Rus) Sadovodstvo 4:50-51. 1964. 80 Sa13
- 88922 KRUSBERG, L. R. Effect of galling by *Ditylenchus dipsaci* on pectins in alfalfa. Nematologica 9(3):341-346. Ref. 1963. 436.8 N342
- 88923 KRUSBERG, L. R., and BLICKENSTAFF, M. L. Influence of plant growth regulating substances on reproduction of *Ditylenchus dipsaci*, *Pratylenchus penetrans* and *Pratylenchus zeae* on alfalfa tissue cultures. Nematologica 10(1):145-150. 1964. 436.8 N342
- 88924 LAAN, P. A. VAN DER. Guard our friends, destroy only our competitors. Nematologica 10(1):57-60. Ref. 1964. 436.8 N342  
Nematode control.
- 88925 LANGE, B., MEYER, J., and BURMEISTER, P. Preliminary reports on injuries to tobacco by free living nematodes and experiments to control them. (Ge) Berlin. Biol. Bundesanst. f. Land- u. Forstwirtschaft. Mitt. 111:85-93. Feb.1964. 410.9 G31M  
English summary.  
Chemical control and planting of *Tagetes patula*; *Pratylenchus* spp.
- 88926 LOCHER, F. Distribution of the beet nematode (*Ditylenchus dipsaci*) in southern Germany and experiments to control it. (Ge) Berlin. Biol. Bundesanst. f. Land- u. Forstwirtschaft. Mitt. 111: 76-84, map. Feb.1964. 410.9 G31M  
English summary.  
Chemical and cultural control on sugar beets.  
Includes discussion.
- 88927 LUKACS, D. *Heterodera schachtii* Schmidt an interesting and important agricultural parasite. (Hu) Elovilag 9(3):47-49. May/June 1964. 410 EL6  
Sugar beets.



- 88928 MAESENEER, J. DE. New host-plant records for the cactus cyst eelworm *Heterodera cacti* Filipjev & Sch. Stekhoven. *Nematologica* 9(4): 646. 1963. 436.8 N342
- 88929 MEINL, G., and STELTER, H. Investigation on the influence of nematode attack by *Heterodera rostochiensis* on growth, development and productivity of susceptible and resistant potato varieties. (Ge) *Nematologica* 9(4):553-566. Ref. 1963. 436.8 N342  
English summary.
- 88930 MONTEIRO, A. R. Nematodes on strawberry leaves (preliminary note). (Por) *Rev. de Agr. [Piracicaba]* 38(4):196. Dec.1963. 9.2 R324  
English summary.
- 88931 MONTEIRO, A. R. Pratylenchosis of corn. (Por) *Rev. de Agr. [Piracicaba]* 38(4):177-187. Ref. Dec.1963. 9.2 R324  
English summary.  
Chiefly *Pratylenchus brachyurus* and *P. zeae*.
- 88932 NIEMOLLER, A. Control of the beet nematode (*Ditylenchus dipsaci*) in the Rhineland-Palatinate. (Ge) *Berlin. Biol. Bundesanst. f. Land- u. Forstwirt. Mitt.* 111:73-75. Feb.1964. 410.9 G31M  
English summary.
- 88933 OLTHOF, H. A., and ESTEY, R. H. Nematode-trapping fungi and rootknot of tomato. *Quebec Soc. Protect. Plants. Rpt.* 43:32-34. 1961, pub. 1963. 464.9 Q3  
Tests with *Dactylella*, *Arthrobotrys* and *Daty-laria* and nematodes from genus *Meloidogyne*.
- 88934 OOSTENBRINK, M. Harmonious control of nematode infestation. *Nematologica* 10(1):49-56. Ref. 1964. 436.8 N342  
By soil disinfection, crop rotation and use of resistant varieties.
- 88935 PEACOCK, F. C. Systemic inhibition of root-knot eelworm (*Meloidogyne incognita*) on tomato. *Nematologica* 9(4):581-583. 1963. 436.8 N342
- 88936 PETERS, B. G. Plant-parasitic nematodes compared with others. *Nematologica* 10(1):1-4. 1964. 436.8 N342
- 88937 PIEGAT, M., and WILSKI, A. Changes observed in cell nuclei in roots of susceptible and resistant potato after their invasion by potato root eelworm (*Heterodera rostochiensis* Woll.) larvae. *Nematologica* 9(4):576-580. Ref. 1963. 436.8 N342
- 88938 POWELL, W. M. University Nematology Laboratory helps farmers and research scientists. *Ga. Agr. Res.* 5(4):3-4. Spring 1964. 100 G295  
Control of nematodes.
- 88939 RAO, B. S. Root-knot nematodes of leguminous covers in rubber plantations. *Rubber Res. Inst. Malaya. J.* 18(3):146-150. Ref. 1964. 78.9 R824J
- 88940 REYNOLDS, H. W., and O'BANNON, J. H. Factors influencing the citrus nematode [*Tylenchulus semipenetrans*] and its control on citrus replants in Arizona. *Nematologica* 9(3):337-340. 1963. 436.8 N342
- 88941 RITTER, M., and LA MASSESE, C. S. Conditions for the use of nematicides in southern France and North Africa. (Fr) *Nematologica* 10(1):35-48. 1964. 436.8 N342  
English summary.
- 88942 RUEHLE, J. L. Nematodes and trees. *Arborist's News* 29(4):25-30. Apr.1964. 99.8 Ar14
- 88943 SAYRE, R. M. Cold-hardiness of nematodes. I. Effects of rapid freezing on the eggs and larvae of *Meloidogyne incognita* and *M. Hapla*. *Nematologica* 10(1):168-179. Ref. 1964. 436.8 N342
- 88944 SCHICK, R., and STELTER, H. The value and importance of nematode resistant potatoes as well as remarks on their culture. (Ge) *Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)* 17(4/5):75-79. Ref. Apr./May 1963. 464.9 N11  
English summary.
- 88945 SCHROEDER, P. H., and JENKINS, W. R. Reproduction of *Pratylenchus penetrans* on root tissues grown on three media. *Nematologica* 9(3):327-331. Ref. 1963. 436.8 N342
- 88946 SIMON, L. K. Practical experiences with nematocides. (Ge) *Berlin. Biol. Bundesanst. f. Land- u. Forstwirt. Mitt.* 111:94-97. Feb. 1964. 410.9 G31M  
English summary.  
With Zinophos.  
Includes discussion.
- 88947 SPRAU, F. Experiences with chemical control of the potato nematode (*Heterodera rostochiensis* Woll.) in Bavaria. (Ge) *Berlin. Biol. Bundesanst. f. Land- u. Forstwirt. Mitt.* 111:55-61. Feb.1964. 410.9 G31M  
English summary.  
Methyl-iso-thiocyanate No. 3 most effective.  
Includes discussion.
- 88948 STEINER, G., and RAMIREZ, C. T. Bibliography on agro- and plant nematodes of the American tropics. *P. R. U. J. Agr.* 48(2):101-126. Ref. Apr.1964. 8 P832J
- 88949 STOEN, M. Onion culture and the stem nematode. (No) *Gartneryrket* 54(23):696-697. June 5, 1964. 80 G1938
- 88950 STURHAN, D. The problem of controlling *Longidorus maximus* (Butschli). (Ge) *Berlin. Biol. Bundesanst. f. Land- u. Forstwirt. Mitt.* 111:106-112. Ref. Feb.1964. 410.9 G31M  
English summary.
- 88951 VARGAS GONZALEZ, O. *Nematologia del cafeto* [Nematology of the coffee plant]. Peru. *Serv. de Invest. y Prom. Agr. B. Tec.* 47,23 p. Ref. Dec.1963. 9.8 P439
- 88952 WALLACE, H. R. The biology of plant parasitic nematodes. London, Arnold, 1963. 280 p. Ref. 436 W152  
Includes control.
- 88953 WEISCHER, B. Nematodes as vectors of plant viruses. (Ge) *Berlin. Biol. Bundesanst. f. Land- u. Forstwirt. Mitt.* 111:98-105. Ref. Feb.1964. 410.9 G31M  
English summary.
- 88954 WEISCHER, B. On the relationships between the numbers attacking and the injury in the case of plant parasitic nematodes. (Ge) *Berlin. Biol. Bundesanst. f. Land- u. Forstwirt. Mitt.* 111:32-42. Ref. Feb.1964. 410.9 G31M  
English summary.  
Includes discussion.
- 88955 WELCH, N. C., and others. Nematocides increase onion yields. *Calif. Agr.* 18(6):14-15. June 1964. 100 C12Cag  
J. D. Radewald, I. J. Thomason, and H. E. McKinney, joint authors.  
Fumigation with Telone.
- 88956 WINCHESTER, J. A. Nematodes as a factor in sugarcane varietal decline in Florida (a preliminary report). *Sugar J.* 27(1):16,18,20. Ref. June 1964. 65.8 Su391
- 88957 YU, P. K., and VIGLIERCHIO, D. R. Plant growth substances and parasitic nematodes. I. Root knot nematodes and tomato. *Expt. Parasitol.* 15(3):242-248. Ref. June 1964. 436.8 Ex7  
*Meloidogyne hapla*, *M. javanica* and *M. incognita*.
- 88958 ZUCKERMAN, B. M., and STRICH-HARARI, D. The life stages of *Helicotylenchus multicinctus* (Cobb) in banana roots. *Nematologica* 9(3):347-353. 1963. 436.8 N342

## ECOLOGY

- 88959 ABRAMOVA, T. G. Regionalization of small bog territories and its importance for agricultural utilization (Karelian isthmus). (Rus) *Leningrad. U. Vest. Ser. Geol. i Geog.* 3:68-81, map. Ref. 1963. 403 L54  
English summary.  
Ecology.
- 88960 ASHBY, W. C. Vegetation development on a strip-mined area in southern Illinois. *Ill. State Acad. Sci. Trans.* 57(2):78-83. Ref. June 15, 1964. 500 IL6
- 88961 AVRORIN, N. A. Vegetation on lands fallowed for various periods in the Kamennaya Steppe. 8 p. Transl. 13724  
Ecology.  
Translation from *Akademiya Nauk SSSR. Botanicheskii Institut im. V. L. Komarova. Trudy. Seriya 3, Geobotanika* 1:187-193. 1933.

- 88962 BAEUMER, K. Competition in plant stands as problem in plant culture research. (Ge) Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn 10:99-123. Ref. Feb.1964. 18 F777
- 88963 BARKMAN, J. J. Some impressions of the peat bogs of the Harz. (Du) Levende Nat. 66(5):102-114. May 1963. 410 L57  
English summary.  
Plant ecology.
- 88964 BAZZAZ, F. A. L. Secondary succession on abandoned fields in southern Illinois. Diss. Abs. 24(12,pt.1):4935-4936. June 1964. 241.8 M58
- 88965 BENCAT, F. Brief ecological-dendrological characteristics of the vegetation zones of China. (Ge) Deut. Baumsch. 16(2):43-48. (Concl.) Feb.1,1964. 80 D486
- 88966 BERGHEN, C. V. Etude sur la vegetation des Grands Causses du Massif Central de France [Study of the vegetation of Grands Causses in the Massif Central of France]. Bruxelles, 1963. 285 p.,map. Ref. 451 So129  
Chiefly ecology.
- 88967 BLOWERS, R. K. A study of the northern up-land forest on the islands of the Whitefish Lake Chain, Minnesota. Minn. Acad. Sci. Proc.31(2):110-112. 1964. 500 M663  
Ecology.
- 88968 BOEKER, P. The dissemination of the most important grassland plants of North Rhine-Westphalia in relation to pH value. (Ge) Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn 10:211-230. Ref. Feb.1964. 18 F777  
Plant ecology.
- 88969 BOLEN, E. G. Plant ecology of spring-fed salt marshes in western Utah. Ecol. Monog. 34(2):143-166. Ref. Spring 1964. 410 Ec72
- 88970 BOROS, A. Montane cliff-moss community microclimate strip outside the spruce zone in Hungary. (Ge) Advn. Frontiers Plant Sci. 8:9-11. 1964. 452.4 V81
- 88971 BOUGHEY, A. S. Interaction between animals, vegetation, and fire in Southern Rhodesia. Ohio J. Sci. 63(5):193-209, map. Sept. 1963. 410 Oh3
- 88972 BOUXIN, H. Ecological study of the algal flora of Patella. (Fr) Internatl. Symp. Seaweed Res. Proc., 4th Symp.:157-165. 1961, pub. 1964. 461.4 In8  
Includes discussion.
- 88973 BRAUN-BLANQUET, J., LEMEE, G., and MOLINIER, R. Travaux de phytosociologie et de geobotanique y compris cartographie et phytosociologie appliquee parus en France [Works of phytosociology and geobotany including cartography and applied phytosociology, published in France]. Montpellier. Sta. Internatl. de Geobot. Mediter. et Alpine. Commun. 165, 53 p. 1963. 451 M767
- 88974 BRUN-HOOL, J. Ackerunkraut-Gesellschaften der Nordwestschweiz [Field weed associations of northwestern Switzerland]. Schweiz. Natforsch. Gesell. Pflanzengeog. Komm. Beitr. z. Geobot. Landesaufnahme der Schweiz 43, 146 p., map. Ref. 1963. 451 Sch9B
- 88975 BURROWS, E. M. Ecological experiments with species of Fucus. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:166-170. 1961, pub. 1964. 461.4 In8
- 88976 CHARLES, A. H. Differential survival of plant types in swards. Brit. Grassland Soc. J. 19(2):198-204. Ref. June 1964. 60.19 B773  
Lolium, Dactylis and Phleum.
- 88977 COUTINHO, L. M. Some general aspects of the problem of dryness and xerophytism. (Por) Sao Paulo. U. Facul. de Fil., Cien. e Let. Bot. 20:73-79. 1963. 451 Sa63
- 88978 DANGEARD, P. Ecological observations and systematics of some Ulvaceae of the French Basque coast. (Fr) Internatl. Symp. Seaweed Res. Proc., 4th Symp.:171-174. 1961, pub. 1964. 461.4 In8
- 88979 DAVIS, R. B. Bryophytes and lichens of the spruce-fir forests of the coast of Maine. I-II. Bryologist 67(2):189-196. Ref. Summer 1964. 450 B84
- 88980 DIZERBO, A. H. The ecology of *Asparagopsis armata* Harv. and *Falkenbergia rufolanosa* (Harv.) Schmitz. in the Massif Armorica. (Fr) Internatl. Symp. Seaweed Res. Proc., 4th Symp.:179-185. Ref. 1961, pub. 1964. 461.4 In8
- 88981 ENDE, G. VAN DEN, and HAAGE, P. Observations on the epiphytic growth on *Zostera marina* L. on the Breton coast. (Ge) Bot. Mar. 5(4):105-110. Ref. Nov.1963. 450 B6582  
English summary.  
Algae.
- 88982 FOERSTER, E. Red fescue [*Festuca rubra*] pastures in the Westphalian flatland. (Ge) Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn 10:299-305. Feb. 1964. 18 F777  
Ecology.
- 88983 FORMAN, R. T. T. Growth under controlled conditions to explain the hierarchical distributions of a moss, *Tetraphis pellucida*. Ecol. Monog. 34(1):1-25, map. Ref. Winter 1964. 410 Ec72
- 88984 FREHNER, H. K. Waldgesellschaften im westlichen Aargauer Mittelland [Forest associations of western Aargau in central Switzerland]. Schweiz. Natforsch. Gesell. Pflanzengeog. Komm. Beitr. z. Geobot. Landesaufnahme der Schweiz 44, 96 p., map. Ref. 1963. 451 Sch9B  
English summary.
- 88985 FRIEDMANN, I. Ecological aspects of the occurrence of meiosis in *Prasiola stipitata* Suhr. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:186-190. 1961, pub. 1964. 461.4 In8
- 88986 FUKAREK, P. The northwestern limit of today's distribution of the Hungarian oak (*Quercus conferta* Kit., = *Quercus frainetto* Ten.). (Se) Sumarski List 66(3/4):109-123, map. Ref. Mar./Apr.1964. 99.8 Su6  
English summary.  
In Yugoslavia.
- 88987 GEORGIEVA, YA. Microclimatic studies of a wheat crop during grain ripening. (Bu) Tolbukhin. Inst. po Pshenitsata i Slunchogleda. Izv. 6:5-19. 1963. 59.9 T572  
English summary.
- 88988 GIACOMINI, V. Biological equilibria and biological productivity of forests. (It) Agricoltura 13(6):79-89. June 1964. 16 Ag8226
- 88989 GORS, S. Contributions to the knowledge of basiphil lowland moor associations (Tofieldietalia Preisg. apud Oberd. 49). I. The davalliana sedge-spring moor (*Caricetum davallianae* Koch 28). (Ge) Baden-Wurtemberg. Landesstelle f. Natenschutz. u. Landschaftspflege. Veroeffentl. 31:7-30, map. Ref. 1963. 410.9 W96
- 88990 GRENAGER, B. A theoretical approach to seaweed mensuration in insular districts. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:191-196. 1961, pub. 1964. 461.4 In8
- 88991 GROZDOV, B. V. Lesnye travy, ikh indikatornoe, kormovoe i lekarstvennoe znachenie; kratkii ocherk [Forest grasses, their role as indicators, forage and drug plants; a short study]. Moskva, Goslesbumizdat, 1963. 61 p. 459.2 G912L
- 88992 HALASZ-HALMI, M. Microphyto-sociology of the acrothermal springs at Harkany and at Budapest, Mt. Gellert. Budapest. Magyar Nemzeti Muz. Evkon. 55:161-179. Ref. 1963. 410.9 B85E  
Chiefly algae.
- 88993 HANES, T. L. The ecology of *Adenostoma fasciculatum* and *Adenostoma sparsifolium* in southern California. Diss. Abs. 24(12,pt.1):4941. June 1964. 241.8 M58
- 88994 HARRIS, W. K. Plant communities and their relationship to geological formations in portion of the Olary Ranges, South Aus. So. Austral. Nat. 38(1):4-11. Sept. 1963. 410 So82



- 88995 HARTESVELDT, R. Sequoias and human impact. *Sierra Club B.* 48(9):39-45. Dec.1963. 500 Sa53
- 88996 HELLER, H. Struktur und Dynamik von Auenwäldern [Structure and dynamics of flood plain forests]. *Schweiz. Natforsch. Gesell. Pflanzengeog. Komm. Beitr. z. Geobot. Landesaufnahme der Schweiz* 42,75 p. Ref. 1963. 451 Sch9B  
Switzerland, Austria, and Yugoslavia.  
Includes description and structural analysis of forest stands, by H. Leibundgut, p.72-75.
- 88997 HILD, J. Experimental sociological investigations with some species of the genus *Campanula*. (*Ge*) *Biol. Jaarb.* 31:206-217. 1963. 410 B52  
Germany.
- 88998 HO, P. H. The level of littoral stocking on the rocky coast of Vietnam. (*Fr*) *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.:256-258. 1961, pub.1964. 461.4 In8
- 88999 HORTOG, C. DEN. Ecology of *Dasya pedicellata* in the Netherlands. *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.:197-201. 1961, pub. 1964. 461.4 In8
- 89000 IL'INA, I. S. Some problems of classification of dry steppe vegetation in the Or-Transural area. (*Rus*) *Leningrad. U. Vest. Ser. Geol. i Geog.* 3:102-115. Ref. 1963. 403 L54  
English summary.  
Ecology.
- 89001 ITO, K., and YAMORI, K. *Fritillaria camtschaticensis* society in the deciduous broad-leaved forest, near Abashiri City, Hokkaido, Japan. (*Ja*) *Jap. J. Ecol.* 13(5):184-188, map. Ref. Oct.1963. 410 J272  
English summary.
- 89002 JONES, E. B. G., and OLIVER, A. C. Occurrence of aquatic Hyphomycetes on wood submerged in fresh and brackish water. *Brit. Mycol. Soc. Trans.* 47(1):45-48. Ref. Mar. 1964. 451 B76
- 89003 KAIN, J. M. A study on the ecology of *Laminaria hyperborea* (Gunn.) Fosl. *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.:207-214. 1961, pub.1964. 461.4 In8
- 89004 KERFOOT, O. The vegetation of the southwest Mau Forest. *East African Agr. & Forestry J.* 29(4):295-318, map. Ref. Apr.1964. 24 Ea74  
Kenya.
- 89005 KONIG, D. New observations on the role of diatoms on the shoals. (*Ge*) *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.:215-221. 1961, pub.1964. 461.4 In8  
Includes discussion.
- 89006 KOOISTRA, G. Root competition between white clover and perennial rye grass. (*Du*) *Landbk. Tijdschr.* 76(11):422-428. June 1964. 105.2 Or3  
English summary.
- 89007 KULAGIN, YU. Z. Types of swampy forests of the Ilmen reserve and their dynamics. (*Rus*) *Akad. Nauk SSSR. Ural'skii Filial. Inst. Biol. Trudy* 28:45-56. Ref. 1962. 442.9 Ak14  
Ecology.
- 89008 KUWABARA, Y. Ecological studies on the grassland vegetation in the southern parts of Hokkaido. (*Ja*) *Jap. J. Ecol.* 13(4):132-138. Ref. Aug.1963. 410 J272  
English summary.
- 89009 LANCELOT, A. The algae *Melobesia* at Biarritz. (*Fr*) *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.:226-233. Ref. 1961, pub.1964. 461.4 In8  
Ecology.
- 89010 LEHN, H. Some findings in spring on the isothermic phytoplankton-relation in Lake Constance. (*Ge*) *Arch. f. Hydrobiol.* 59(1):1-25, map. Ref. Jan.1963. 410 Ar28  
English summary.
- 89011 LEMOINE, M. A contribution to a study of *Melobesia* of Cape Verde Islands. (*Fr*) *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.:234-239. 1961, pub.1964. 461.4 In8  
Associations.
- 89012 LINDSEY, A. A. Analysis of an original forest of the Lower Wabash floodplain and upland. *Ind. Acad. Sci. Proc.* 72:282-287. 1962, pub.1963. 500 In2  
Ecology.
- 89013 LOOMAN, J. The distribution of some lichen communities in the Prairie Provinces and adjacent parts of the Great Plains. *Bryologist* 67(2):209-224, map. Ref. Summer 1964. 450 B84
- 89014 LOOMAN, J. The role of phytosociology in pasture research. *Forage Notes [Ottawa]* 10(1):14-16. Spring 1964. 60.8 F742
- 89015 LOPUSKI, C. Theory of ecological space filling and stand equation. (*Pol*) *Sylvan* 107(5): 85-91. Sept./Oct.1963. 99.8 Sy52
- 89016 LOTSCHERT, W. Microtopographical pH measurements in high and low moors. (*Ge*) *Z. f. Bot.* 51(5):452-467. Ref. Mar.1964. 450 Z32  
English summary.  
Plant ecology in Germany.
- 89017 MAAREL, E. VAN DER, and MAAREL-VER-SLUYS, M. VAN DER. On English dune regions. 3. Characteristic vegetation types. (*Du*) *Levende Nat.* 66(10):217-227. Ref. Oct.1963. 410 L57
- 89018 MACFARLANE, C. I. A comparison of two marine drumlin regions in Nova Scotia. *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.: 240-247, map. 1961, pub.1964. 461.4 In8  
Algal populations.
- 89019 MALDE, H. E. Environment and man in arid America. *Science* 145(3628):123-129, map. Ref. July 10, 1964. 470 Sci2  
Water supply in the Southwest in relation to plant ecology and agriculture.
- 89020 MARCU, G. Study of forest vegetation in the area comprised between Olt and Teleorman rivers. (*Rum*) *Bucharest. Acad. Repub. Pop. Romine. Studii si Cercet. de Biol. Ser. Biol. Veg.* 14(4):467-485, map. Ref. 1962. 451 B852  
French summary.
- 89021 MARTINEZ, S. R. Estudio de la vegetacion y flora de las sierras de Guadarrama y Gredos [Study of the vegetation and flora of the Guadarrama and Gredos Mountains]. *Inst. Bot. A. J. Cavanilles. An.* 21(1):325 p. Ref. 1963. 451 M262  
Chiefly ecology.
- 89022 MATYAS, V. Ecological relations of forest seed production. (*Hu*) *Erdesz Kutatasko* 59(3): 77-96. Ref. 1963. 99.9 Er24  
German summary.  
Microclimate.
- 89023 MICHELER, A. More surface-dependent natural memorials. (*Ge*) *Bl. f. Nat. Schutz.* 44(1/2): 14-15. Apr.1964. 279.8 B61  
Plant biotypes.
- 89024 MILLERET, C. The Orleans Forest. (*Fr*) *Ann. de Geog.* 72(392):426-458, map. Ref. July/Aug.1963. 473 An75  
Chiefly ecology.
- 89025 MINIBAEV, R. G. Phytocoenotic laws governing weeds of cultivated fields. 8 p. Ref. *Transl.* 13983  
Translation from *Botanicheskii Zhurnal* 46(1): 135-139. 1961.
- 89026 MOREL, R., and QUANTIN, P. Fallows and soil regeneration in the Sudan-Guinea climate of Central Africa. (*Fr*) *Agron. Trop. [Paris]* 19(2):105-136. Feb.1964. Ref. 26 Ag86  
English summary.  
Vegetation stages and changes in the soils.
- 89027 MORI, M. On the algae of rice- and rush-fields of Yatsushiro Plain in Kumamoto Prefecture. (*Ja*) *Jap. J. Ecol.* 13(5):172-178, map. Ref. Oct.1963. 410 J272  
English summary.  
Ecology.
- 89028 MORI, M. On the desmids of the rice-fields in the catchment area of Kuma River. (*Ja*) *Jap. J. Ecol.* 13(3):104-108. June 1963. 410 J272  
English summary.  
Includes ecology.

- 89029 NORTH, W. J. Experimental transplantation of the giant kelp, *Macrocystis pyrifera*. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:248-255. Ref. 1961, pub. 1964. 461.4 In8  
Includes discussion.
- 89030 OBMINSKI, Z. Forest ecology and its importance for the development of forestry techniques. (Pol) Las Polski 37(23):3-6. Dec. 1/15, 1963. 99.8 L33
- 89031 ODANI, N. Measurements of light. I. Effects of weather upon relative light intensity in plant community. Jap. J. Ecol. 13(3):83-88. June 1963. 410 J272  
Japan.
- 89032 OKRUSZKO, H. Kuwasy peat bog as an area to be improved. (Pol) Warsaw. Inst. Melior. i Uzytkow Zielonych. Wiad. 3(3):9-24, map. Ref. 1963. 54.9 W262W  
Chiefly ecology, peat soil formation and utilization as meadows.
- 89033 PASINETTI, L. The effect of environmental conditions on the constitutional characters of plants. (It) Ann. di Fitopatol. 5(5/6):185-212. Ref. 1962. 464.8 An7  
English summary.
- 89034 PHILLIPS, R. C. Ecology of floating algal communities in Florida. Fla. Acad. Sci. Q. J. 26(4):329-334. Dec. 1963. 500 F66
- 89035 PIETSCH, R. Plant sociological and ecological research on football turfs. (Ge) Z. f. Acker- u. Pflanzenbau 119(4):347-368. Ref. June 1964. 18 J825  
English summary.
- 89036 PIGOTT, C. D. Nettles [*Urtica dioica*] as indicators of soil conditions. New Sci. 21(375):230-232. Jan. 23, 1964. 472 N42
- 89037 RAJKHOWA, S. Studies in mutual competition amongst forest seedlings. I. Indian Forester 90(4):219-224. Apr. 1964. 99.8 In2
- 89038 SCAGEL, R. F. Some problems in algal distribution in the North Pacific. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:259-264. Ref. 1961, pub. 1964. 461.4 In8
- 89039 SCOTT, D., and BILLINGS, W. D. Effects of environmental factors on standing crop and productivity of an Alpine tundra. Ecol. Monog. 34(3):243-270. Ref. Summer 1964. 410 Ec72
- 89040 SIMON, T. Contributions to the knowledge of some plant communities of China. Advn. Frontiers Plant Sci. 8:135-149. Ref. 1964. 452.4 V81
- 89041 SIMPSON, F. W. Our flora and the weather, 1962-63. Suffolk Nat. Soc. Trans. 12(5):362-363. Jan. 1, 1964. 410.9 Su2
- 89042 SJOGREN, E. Epilithische und epigäische Moosvegetation in Laubwäldern der Insel Oland (Schweden). Epilithic and epigeic moss vegetation in deciduous woods on the island of Oland, Sweden. Acta Phytogeog. Suecica 48, 184 p., map. Ref. 1964. 451 Ac82
- 89043 SKARLYGINA, M. D. Vegetation of the floodlands of lower reaches of the Salgir and Indol Rivers (Crimean Sivash area). III. Desert halophytic meadows *Prata subdeserta halophytica*. (Rus) Leningrad. U. Vest. Ser. Geol. i Geog. 3:129-143. 1963. 403 L54  
English summary.
- 89044 STANGE-BURSCHE, E. M. Observations and investigations on the horizontal distribution of phytoplankton in lakes. (Ge) Arch. f. Hydrobiol. 59(3):351-372, map. Ref. Aug. 1963. 410 Ar28  
English summary.  
Germany.
- 89045 STOROZHEVA, M. M. Meadows of river valleys of the Ivdal Ural area. (Rus) Akad. Nauk SSSR, Ural'skii Filial. Inst. Biol. Trudy 28:3-37. 1962. 442.9 Ak14  
Ecology.
- 89046 TANAKA, T. Marine algal flora on the barrier reef around Yoron Island, southern end of Japan. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:276-279. 1961, pub. 1964. 461.4 In8  
Ecology.
- 89047 THIESFELD, V. A., and WELBOURNE, F. An ecological study concerning the presence of a stand of *Elymus canadensis* L. on a native South Dakota prairie. S. Dak. Acad. Sci. Proc. 42:93-102. Ref. 1963. 500 So82
- 89048 THIJSEN, W. Biesbosch becomes another world. (Du) Nederland. Heidemaatsch. Tijdschr. 75(3):182-190. Mar. 1964. 12 N282  
Influence of damming on vegetation and land use.
- 89049 TIRABOSCHI, G. The presence of spontaneous formations of *Pinus cembra* and *Pinus uncinata* in the Novara alpine valleys with special reference to the Ossola zone. (It) Novara. Cam. di Com. Indus. e Agr. Not. Econ. 20(3):3-16. (Cont.) Mar. 1964. 287 N85N
- 89050 TOTHILL, J. C., and LOVE, R. M. Autecological studies on *Ehrharta calycina*. I. A review of the literature. Advn. Frontiers Plant Sci. 8:69-81. Ref. 1964. 452.4 V81
- 89051 TOTHILL, J. C., and LOVE, R. M. Autecological studies on *Ehrharta calycina*. II. Distribution, habitat and environmental relationships. with particular reference to California. Advn. Frontiers Plant Sci. 8:83-107. Ref. 1964. 452.4 V81
- 89052 VOO, E. E. VAN DER. Vegetation and water movement in the winterbeds of our great rivers. (Du) Levende Nat. 66(11):257-262. Ref. Nov. 1963. 410 L57
- 89053 WACKER, F. Indicator value of weed communities. (Ge) Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn 10:185-209. Ref. Feb. 1964. 18 F777
- 89054 WAGNER, R. H. The ecology of *Uniola paniculata* L. in the dune-strand habitat of North Carolina. Ecol. Monog. 34(1):79-96. Ref. Winter 1964. 410 Ec72
- 89055 WARING, R. H., and MAJOR, J. Some vegetation of the California coastal redwood region in relation to gradients of moisture, nutrients, light, and temperature. Ecol. Monog. 34(2):167-215, map. Ref. Spring 1963. 410 Ec72  
*Sequoia sempervirens* forests.
- 89056 WEIHE, K. VON. Contributions to the ecology of Central and Western European salt marsh vegetation (tidal coasts). I. (Ge) Beitr. z. Biol. der Pflanzen 39(2):189-237, map. Ref. 1963. 450 C66
- 89057 WEIHE, K. VON. Investigations on the ecology and morphology of *Festuca rubra* L. ssp. *rubra* (temperature and effect of sea salts). (Ge) Beitr. z. Biol. der Pflanzen 39(2):239-262. Ref. 1963. 450 C66  
Europe.
- 89058 WHITFORD, L. A., and SCHUMACHER, G. J. Communities of Algae in North Carolina streams and their seasonal relations. Hydrobiologia 22(1/2):133-196, map. Ref. Sept. 30, 1963. 410 H992
- 89059 WHITFORD, L. A. The phytoplankton of an extremely oligotrophic lake. Advn. Frontiers Plant Sci. 8:157-160. 1964. 452.4 V81  
Mountain Lake, Virginia.
- 89060 WHITTAKER, R. H., and NIERING, W. A. Vegetation of the Santa Catalina Mountains, Arizona. I. Ecological classification and distribution of species. Ariz. Acad. Sci. J. 3(1):9-34. Ref. Mar. 1964. 500 Ar44
- 89061 WILCE, R. T. Studies on benthic marine algae in north-west Greenland. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:280-287. Ref. 1961, pub. 1964. 461.4 In8
- 89062 WOJTERSKI, T. Bory sosnowe na wydmach nadmorskich na Polskim wybrzeżu [Pine forests on the seashore dunes of the Polish Baltic coast]. Poznanskie Towar. Przyjaciol. Nauk. Wyd. Mat.-Przyrodniczy. Komis. Biol. Prace 28(2):217 p., map. Ref. 1964. 442.9 P87  
English summary.  
Chiefly ecology.



## MORPHOLOGY, ANATOMY, AND CYTOLOGY

- 89063 ANDRES, J. Preliminary studies on in vitro culture of the aquatic fern *Marsilea vestita* (Marsileaceae) embryos. (Fr) Acad. des Sci. Compt. Rend. 258(24):5956-5959. June 15, 1964. 505 P21
- 89064 ARANO, H. Cytological studies on subfamily Carduoideae (Compositae) of Japan. XIV. The karyotype analysis on genus *Artemisia*. (Ja) Bot. Mag. Tokyo 76(906):459-465. Dec. 1963. 450 B651  
English summary.
- 89065 AREKAL, G. D. Contribution of the embryology of *Chelone glabra* L. Phytomorphology 13(4):376-388. Ref. Dec. 1963. 450 P566
- 89066 ARNAL, C. The notion of the node. (Fr) Soc. Bot. de France, Mem. 1962:104-111. 451 F84M
- 89067 BAARDSETH, E. Anatomical investigations of some brown algae. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:39-41. 1961, pub. 1964. 461.4 In8  
Laminariales and Fucales.
- 89068 BAILEY, I. W. Comparative anatomy of the leaf-bearing Cactaceae. XII. Preliminary observations upon the structure of the epidermis, stomata, and cuticle. Arnold Arboretum, J. 45(3):374-389. Ref. July 1964. 451 Ar6J
- 89069 BALL, E. Studies of living shoot apices. In O'Kelley, J. C., ed. Plant tissue culture and morphogenesis, p.47-77. Ref. 1963. 463.43 Ok2  
Includes discussion.
- 89070 BAR-AKIVA, A., and ROSENBERG, R. Vascular bundle differentiation in the pith of citrus leaf petiole. Phytomorphology 13(4):15-19. May 1964. 450 P567
- 89071 BARDEN, J. A. Developmental anatomy of vascular tissues in the York Imperial apple, with special emphasis on the pedicel. Diss. Abs. 24(12,pt.1):4935. June 1964. 241.8 M58
- 89072 BASILE, D. V. The sporophyte of *Jubula pennsylvanica*. Bryologist 67(2):164-170. Ref. Summer 1964. 450 B84
- 89073 BERNHARD, F. Petiolar glands of some Euphorbiaceae formed on meristems identical with those of foliar lobes. (Fr) Acad. des Sci. Compt. Rend. 258(25):6213-6215. June 22, 1964. 505 P21
- 89074 BERRIE, G. K. Experimental studies on polyploidy in liverworts. I. The *Riccia fluitans* complex. Bryologist 67(2):146-152. Summer 1964. 450 B84
- 89075 BHATNAGAR, S. P., and SINGH, N. S. Development and structure of angiosperm seed. II. *Antirrhinum majus* Linn. Lucknow. Natl. Bot. Gard. B. 92,10 p. Ref. 1964. 451 L962
- 89076 BISHT, B. S. Pharmacognosy of "piplamul"—the root and stem of *Piper longum* Linn. Planta Med. 11(4):410-416. Dec. 1963. 450 P697
- 89077 BLOOM, W. W. Some factors influencing rhizoid formation in female gametophytes of the Marsileaceae. Ind. Acad. Sci. Proc. 72:118-119. 1962, pub. 1963. 500 In2
- 89078 BOCHER, T. W. Experimental and cytological studies on plant species. VIII. Racial differentiation in amphi-Atlantic *Viscaria alpina*. Danske Vidensk. Selsk. Biol. Skr. 11(6), 33 p. Ref. 1963. 442.9 D23B
- 89079 BOESMAN, G. Considerations on the variability of roses. (Fr) Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:329-335. 1962, pub. 1964. 90.09 C7616P  
Chiefly morphology.
- 89080 BOWDEN, B. N. Studies on *Andropogon gayanus* Kunth. II. An outline of the morphology and anatomy of *Andropogon gayanus* var. *bisquamulatus* (Hochst.) Hack. Linn. Soc. London, J. Bot. 58(375):509-519. Feb. 1964. 451 L64J
- 89081 BRAUN, H. J. Radicle in young and aging shoot axis of *Populus*. (Ge) A. f. Bot. 51(5):441-451. Mar. 1964. 450 Z32  
English summary.
- 89082 BUDELL, B. Investigations on the anther development in some angiosperms. (Ge) Z. f. Bot. 52(1):1-28. Ref. May 1964. 450 Z32
- 89083 BUGNON, F. On the relationship between the apical meristem of the shoot and the generating levels of the internodes: the case of *Agropyrum repens* P.B. (Fr) Soc. Bot. de France. Mem. 1962:54-61. 451 F84M
- 89084 BUGNON, F., and JOFFRIN, G. Research into the branching of the shoot in *Vallisneria spiralis* L. (Fr) Soc. Bot. de France. Mem. 1962: 61-72. Ref. 451 F84M
- 89085 BUNNING, E., MOSER, I., and WOLF, G. On the regulation of plagiotropic leaf position. (Ge) Z. f. Bot. 52(1):86-97. May 1964. 450 Z32  
Phaseolus multiflorus and Mimosa pudica.
- 89086 BUTNIK, A. A. Morphologic and anatomic structure of seeds of *Kochia prostrata* (L.) Schrad. (Rus) Uzbek. Biol. Zhur. 6:49-54. 1962. 442.8 Uz1
- 89087 BUTTERFASS, T. The number of chloroplasts in different cells of trisomic sugar beets (*Beta vulgaris* L.). (Ge) Z. f. Bot. 52(1):46-77. Ref. May 1964. 450 Z32  
English summary.
- 89088 BUVAT, R. Infrastructural observations on transversal walls of canals in the metaxylem of *Cucurbita pepo* before their perforation. (Fr) Acad. des Sci. Compt. Rend. 258(25):6210-6212. June 22, 1964. 505 P21
- 89089 CAIN, B. J. The morphology, taxonomy, and physiology of certain Chlamydomonas-like algae. Diss. Abs. 24(12,pt.1):4936. June 1964. 241.8 M58
- 89090 CHAMPAGNAT, M., MARICHAL, J., and VINCENT, C. Mode of initiation of hypocotyl buds in *Alliaria officinalis* L. (Fr) Soc. Bot. de France. Mem. 1962:32-44. Ref. 451 F84M
- 89091 CHAMPAGNAT, M., MARICHAL, J., and CAILLEUX, Y. Origin of hypocotyl buds among *Euphorbia*. (Fr) Soc. Bot. de France. Mem. 1962:23-31. 451 F84M
- 89092 CHAMPAGNAT, P., and LAVARENNE, A. Observations on the "spinescence" of the *Crataegus* in the center of France. (Fr) Soc. Bot. de France. Mem. 1962:44-54. Ref. 451 F84M
- 89093 CHASSAT, J. F. Research into the branching of *Nymphaeaceae*. (Fr) Soc. Bot. de France. Mem. 1962:72-95. Ref. 451 F84M
- 89094 CONWAY, E. Contributions to our knowledge of the life-history of *Porphyra* species. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:66-70. Ref. 1961, pub. 1964. 461.4 In8  
Includes discussion.
- 89095 COPELAND, H. F. Structural notes on hollies (*Ilex aquifolium* and *I. cornuta*, family Aquifoliaceae). Phytomorphology 13(4):455-464. Ref. Dec. 1963. 450 P566
- 89096 CRETE, P. Development of the endosperm and embryo in *Bystropogon origanifolius* L'Herit. (Labiatae). (Fr) Phytomorphology 13(4):364-367. Dec. 1963. 450 P566
- 89097 CUTLER, D. F. Anatomy of vegetative organs of *Trigonobalanus* Forman (Fagaceae). Kew. Roy. Bot. Gard. Kew B. 17(3):401-409. Ref. 1964. 451 K51B
- 89098 DALKIEWICZ-BARANOWSKA, H. Comparative study of the anatomical structure of seed pods of several species of lupines: *Lupinus albus* L., *L. luteus* L., *L. angustifolius* L., *L. polyphyllus* LDL. (Pol) Warsaw. Szkoła Główna Gosp. Wiejsk. Roln. 7:199-227. Ref. 1963. 20.5 W26  
German summary.
- 89099 DANILOVA, M. F., and LUZINA, Z. A. French lentil (*Vicia ervilia* Willd.) linear fasciation and stem anatomy. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 34(1):176-191. Ref. 1962. 451 R92  
English summary.
- 89100 DASGUPTA, J., and KUNDU, B. C. Pharmacognostic studies of *Xanthium strumarium* Linn. I. Root. Planta Med. 11(4):471-478. Ref. Dec. 1963. 450 P697
- 89101 DEMUND, L. N. Replication of DNA and cell division in synchronously dividing cultures of *Euglena gracilis*. Science 145(3629):266-268. Ref. July 17, 1964. 470 Sci2

- 89102 DEVI, S. K. Determination of mitotic cycle and effect of 6-bromodeoxyuridine on DNA synthesis of shoot meristem cells in the tobacco seedling. Diss. Abs. 24(12,p.1):4938. June 1964. 241.8 M58
- 89103 DIXON, P. S. On the concept of the "carpogonial branch" in the Florideae. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:71-77. 1961, pub.1964. 461.4 In8  
Includes discussion.
- 89104 DIXON, R. O. D. The structure of infection threads, bacteria, and bacteroids in pea and clover root nodules. Arch. f. Mikrobiol. 48(2): 166-178. Ref. 1964. 442.8 Ar26
- 89105 DODGE, J. D. Chromosome numbers in some marine dinoflagellates. Bot. Mar. 5(4):121-127. Ref. Nov.1963. 450 B6582
- 89106 ENDE, G. VAN DEN, and OORSCHOT, R. VAN. Further observations on the epiphytic growth on *Himantalia elongata* (L.) S. F. Gray. (Ge) Bot. Mar. 5(4):111-120. Ref. Nov.1963. 450 B6582  
English summary.  
Anatomy.
- 89107 ERDTMAN, G., and METCALF, C. R. Affinities of certain genera *Incertae sedis* suggested by pollen morphology and vegetative anatomy. I-III. Kew. Roy. Bot. Gard. Kew B. 17(2):249-256. 1963. 451 K51B  
I, The myrtaceous affinity of *Kania eugenoides* Schltr.; II, The myrtaceous affinity of *Tristania merguensis* Griff. (*Thorelia deglupta* Hance); III, The campanulaceous affinity of *Berenice arguta* Tulasne.
- 89108 AL-FAKHRY, A. K., SARVELLA, P., and GROGAN, C. O. Somatic chromosomes of *babala* [*Pennisetum typhoides*]. J. Hered. 55(2): 57-60. Mar./Apr.1964. 442.8 Am3
- 89109 FAVARD, A. Contribution to histological and cytological study of the growth of *Drosera*. (Fr) Ann. des Sci. Nat. Bot. et Biol. Veg. (ser.12)4(2):265-417. Apr./June 1963. 450 An75
- 89110 FAVRE-DUCHARTRE, M. On nuclei of male gametophytes of pre-Phanerogamia, *Gymnospermae* and *Angiospermae*. (Fr) Ann. des Sci. Nat. Bot. et Biol. Veg. (ser.12)4(2):233-239. Ref. Apr./June 1963. 450 An75
- 89111 GAUDET, J. J. The morphogenesis of land, water, and juvenile leaves of *Marsilea vestita* Hook. and Grev. Diss. Abs. 24(12,pt.1):4939. June 1964. 241.8 M58
- 89112 GAYRAL, P. Results concerning the reproduction and laboratory culture of *Ulva fasciata* Deile. (Fr) Internatl. Symp. Seaweed Res. Proc., 4th Symp.:79-88. 1961, pub.1964. 461.4 In8
- 89113 GILLER, M. A new criterium for specific distinction between *Festuca pratensis* Huds and *Festuca arundinacea* Schreb by seed examination. (Fr) Ann. de l'Amelior. des Plantes 14 (2):203-206. 1964. 14 F8499A
- 89114 GIMENEZ-MARTIN, G., GONZALEZ-FERNANDEZ, A., and LOPEZ-SAEZ, J. F. Bimiosis. Phytol [Vicente Lopez] 21(1):77-84. May 1964. 450 P567
- 89115 GLIGIC, V. The use of colchicine method for solution of causal morphological problems. 6 p. (OTS 60-21690) Transl. 13378  
Induced polyploidy of onions.  
Translation from Sarajevo. Zemaljski Muzej. Prirodnih Nauka. Serija I, Novitates 1:1-4. 1945.
- 89116 GOLDSTEIN, M. E. Speciation and mating behavior in *Eudorina*. Diss. Abs. 24(11):4365. May 1964. 241.8 M58
- 89117 GRIFFIN, D. H. The interactions of hydrogen ion, carbon dioxide, and potassium ion on morphogenesis of *Blastocladia*. Diss. Abs. 24(12,pt.1):4940. June 1964. 241.8 M58
- 89118 GRILLI, M., and TRABUCCHI, B. Observations on the structure and infrastructure of cells of the root nodules of *Cycas revoluta*. (It) Milan. U. Cattolica del Sacro Cuore. Facol. de Agr. Ann. (n.s.)3(3):467-481. Ref. Dec.1963. 16 M582  
English summary.
- 89119 GUERN, M. Some peculiarities of development of the eggs of *Cystoseira* (Fucales). (Fr) Internatl. Symp. Seaweed Res. Proc., 4th Symp.: 78. 1961, pub.1964. 461.4 In8
- 89120 GULYAEV, V. A. Ontogeny of the sunflower apical meristem. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 35(2):134-139. 1963. 451 R92  
English summary.
- 89121 GUNST, G. Investigations on the reaction differences of in vitro cultured segments of plant storage organs. (Ge) Beitr. z. Biol. der Pflanzen 39(2):263-294. Ref. 1963. 450 C66
- 89122 HABER, A. H. Morphogenesis and the cell theory. In O'Kelley, J. C., ed. Plant tissue culture and morphogenesis, p.79-88. Ref. 1963. 463.43 Ok2
- 89123 HALL, W. T. Some effects on the ultrastructure of the root meristem of *Allium cepa* by 6-aza-uracil. Diss. Abs. 24(12,pt.1):4940-4941. June 1964. 241.8 M58
- 89124 HARTMANN, G. C. An investigation of the nuclear behavior of *Alternaria tenuis*. Diss. Abs. 24(12,pt.1):4941-4942. June 1964. 241.8 M58
- 89125 HENRARD, G. Selection of *Cyclamen persicum* Mill. based on the form of the young tubercle. (Fr) Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:54-58. 1962, pub.1964. 90.09 C7616P
- 89126 HEVLY, R. H. Adaptations of cheilanthoid ferns to desert environments. Ariz. Acad. Sci. J. 2(4):164-175. Ref. Dec.1963. 500 Ar44  
Morphological and anatomical adaptations.
- 89127 HILDEBRANDT, A. C. Growth of single cell clones of diseased and normal tissue origins. In O'Kelley, J. C., ed. Plant tissue culture and morphogenesis, p.1-22. Ref. 1963. 463.43 Ok2  
Includes discussion.
- 89128 HOEK, C. VAN DEN. Morphology and taxonomy of the genus *Cladophora*. (Fr) Internatl. Symp. Seaweed Res. Proc., 4th Symp.:89-98. 1961, pub.1964. 461.4 In8
- 89129 HOSTER, H. R. Further investigations on differentiation in protoxylem. (Ge) Z. f. Bot. 52(1):29-45. Ref. May 1964. 450 Z32  
*Pulsatilla vulgaris* and other *Ranunculaceae*.
- 89130 INOUE, R. Vascular behaviour in shoots of two species of *Physalis* and their morphology. (Ja) Bot. Mag. Tokyo 77(907):17-26. Ref. Jan.1964. 450 B651  
English summary.
- 89131 IVANISHIN, A. Inclined planting of tomatoes. (Rus) Kartofel' i Ovoshchi 5:32-33. May 1964. 75.8 K147  
To develop two-three stems.
- 89132 IVANOVA, K. V., and OREL, L. I. Some biologic peculiarities and embryology in *Solanum guineense* L. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 35(2):146-150. 1963. 451 R92  
English summary.
- 89133 JEAN, M. T., and PONS, A. Contribution to palynologic study of French flora *Cistaceae*. (Fr) Ann. des Sci. Nat. Bot. et Biol. Veg. (ser.12)4(1):159-170. Ref. Jan./Mar.1963. 450 An75  
Chiefly morphology.
- 89134 JEFFREY, C. A note on pollen morphology in *Cucurbitaceae*. Kew. Roy. Bot. Gard. Kew B. 17(3):473-477. 1964. 451 K51B
- 89135 KAPOOR, B. M., and TANDON, S. L. Contributions to the cytology of the endosperm in some angiosperms. V. *Zephyranthes lancasteri* Traub. Phytol [Vicente Lopez] 21(1):37-43. Ref. May 1964. 450 P567
- 89136 KAPOOR, L. D., and SHARMA, B. M. *Agemone mexicana* L.—organography and floral anatomy with reference to the laticiferous system. Phytomorphology 13(4):465-473. Dec.1963. 450 P566
- 89137 KAUR, S. Development of the stelar cylinder in the rhizome of *Bolbitis* and *Egenolfia*. Amer. Fern J. 54(2):57-62. Apr./June 1964. 450 Am35



- 89138 KEMP, C. L. The effects of inhibitors of RNA and protein synthesis on cytological development during meiosis. Diss. Abs. 24(12,pt.1):4942. June 1964. 241.8 M58  
In *Trillium erectum*.
- 89139 KISLYUK, M. M., and VOROB'EVA, G. A. Variability of organogenetic stages in wheat species, *Triticum dicoccum*, *T. persicum*, *T. timopheevi*, and *T. zhukovskiyi*, under low temperature action on sprouts. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 35(2):167-173. 1963. 451 R92  
English summary.  
With reference to genetics.
- 89140 KLEIBER, H., and MOHR, H. The influence of visible light on stomata formation in the epidermis of *Sinapis alba* L. cotyledons. (Ge) Z. f. Bot. 52(1):78-85. Ref. May 1964. 450 Z32
- 89141 KONAR, R. N. Anatomical studies on Indian pines with special reference to *Pinus roxburghii* Sar. Phytomorphology 13(4):388-402. Ref. Dec.1963. 450 P566
- 89142 KONSTANTINOV, A. V. On the cytoembryology of wheat-rye amphidiploids. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 35(2):140-145. Ref. 1963. 451 R92  
English summary.
- 89143 KORDAN, H. A. Vascular elements in juice vesicles of the lemon fruit. Torrey Bot. Club. B. 91(4):271-274. July/Aug.1964. 451 T63B
- 89144 KOTLABA, F., and POUZAR, Z. Preliminary results on the staining of spores and other structures of Homobasidiomycetes in cotton blue and its importance for taxonomy. Feddes Repert. Specierum Nov. Reg. Veg. 69(2):131-142. Ref. June 1,1964. 450 R29  
Includes *Parmastomyces* n.g. and *Pyrofomes* n.g.
- 89145 KUMAR, S., and NATARAJAN, A. T. Fast neutron induced leaf tumours in barley (*Hordeum distichum*). Radiation Bot. 4(1):33-35. Ref. Mar.1964. 450 R11
- 89146 LACHAUD, S. The growth in thickness of *Beta vulgaris* L. hypocotyl and the possible modifications produced by gibberellic acid. (Fr) Soc. de Biol. Compt. Rend. 158(2):348-350. 1964. 442.9 P21
- 89147 LAFEVER, H. N. Cytological, environmental, chromosome association, and heterosis studies involving an aneuploid line of *Avena sativa*. Diss. Abs. 24(12,pt.1):4930. June 1964. 241.8 M58
- 89148 LARSEN, K. The chromosomes of *Monnina xalapensis*. Phytol [Vicente Lopez] 21(1):45-46. May 1964. 450 P567
- 89149 LAUNERT, E. The seed coat of some species of the genus *Impatiens* L. (Balsaminaceae). (Ge) Soc. Broteria. B. (ser.2)37:71-77. 1963. 451 C66
- 89150 LECROY, W. C. Characterizing *Zoysia* by field and anatomical studies. Diss. Abs. 24(12,pt.1):4898. June 1964. 241.8 M58
- 89151 LEINS, P. Early blossom development of *Hypericum hookerianum* Wight et Arn. and *H. aegypticum* L. (Ge) Deut. Bot. Gesell. Ber. 77(4):112-123. Ref. 1964. 451 D48  
Microscope studies.
- 89152 LERCH, G. Callose in the epidermis of higher plants. (Ge) Flora [Jena] 154(1):36-56. Ref. Feb.29,1964. 450 F66
- 89153 LESINS, K., and LESINS, I. Diploid *Medicago falcata* L. Canad. J. Genet. & Cytol. 6(2):152-163, map. Ref. June 1964. 443.8 C16  
Morphology.
- 89154 LOUIS, A., and SYMONS, F. Growth and sexuality in the genus *Spirogyra*. Biol. Jaarb. 31:181-205. Ref. 1963. 410 B52
- 89155 LOUISEAU, J. E. Mitotic activity of superficial cells of the caulinary vegetative apex. (Fr) Soc. Bot. de France. Mem. 1962:14-23. 451 F84M
- 89156 MCELROY, W. D. Cell physiology and biochemistry. Ed. 2. Englewood Cliffs, N. J., 1964. 120 p. 442 M152C  
Includes plants.
- 89157 MADZHAROVA, R. Morphological analysis of potato tubers obtained from seedlings. (Bu) Bulgar. Akad. na Nauk. Inst. po Biol. "Metodii Popov." Izv. 13:229-234. Ref. 1963. 442.9 B87  
German summary.
- 89158 MAGNE, M. F. Does the haplophasic cycle exist in Rhodophyceae? (Fr) Internatl. Symp. Seaweed Res. Proc., 4th Symp.:112-116. Ref. 1961, pub.1964. 461.4 In8
- 89159 MAHESHWARI, S. C., and MAHESHWARI, N. The female gametophyte, endosperm and embryo of *Spirodela polyrrhiza*. Beitr. z. Biol. der Pflanzen 39(2):179-188. Ref. 1963. 450 C66
- 89160 MAKINEN, Y. The effect of some carboxylic acids and hydrogen peroxide on onion chromosomes. Suomalainen Elain- ja Kasvitiet. Seura Vanamo. Kasvitiet. Julkaisu. 34(7), 39 p. Ref. 1963. 451 Su7
- 89161 MALAYER, J. N. C. A developmental study of the mutant tomato plant, sideshootless. Diss. Abs. 24(12,pt.1):4943-4944. June 1964. 241.8 M58
- 89162 MANNER, R. Number of seminal roots in some wheat species. (Fi) Suomen Maataloustiet. 35(3):105-108. 1963. 20 Su7M  
English summary.
- 89163 MARGAILIK, H. I. Anatomical features of leaves as indicators of needs for light of plants. (Be) Minsk. Belaruskaya Akad. Navuk. Vestsi. Ser. Biyol. Navuk 4:19-27. Ref. 1963. 442.8 M66  
Russian summary.  
Trees.
- 89164 MARTENS, P., and WATERKEYN, L. The shoot apical meristem of *Welwitschia mirabilis* Hooker. Phytomorphology 13(4):359-363. Dec. 1963. 450 P566
- 89165 MATSUURA, H., TANIFUJI, S., and IWABUCHI, M. Chromosome studies on *Trillium kamtschaticum* Pall. and its allies. XXV. The effects of some chemicals on the frequency of X-ray-induced chromosome aberrations. Hokkaido U. Facul. Sci. J. Ser. V. Bot. 8(2/3):57-73. Ref. Dec.1962. 451 H68
- 89166 MATSUURA, H., and others. Chromosome studies on *Trillium kamtschaticum* Pall. and its allies. XXVI. The effects of mitomycin C on the frequency of X-ray-induced chromosome aberrations. Hokkaido U. Facul. Sci. J. Ser. V. Bot. 8(2/3):75-85. Ref. Dec.1962. 451 H68  
S. Tanifuji, T. Saho, and M. Iwabuchi, joint authors.
- 89167 MATSUURA, H., and TAKEHISA, S. Chromosome studies on *Trillium kamtschaticum* Pall. and its allies. XXVII. Effect of EDTA on the structure of meiotic chromosomes. Hokkaido U. Facul. Sci. J. Ser. V. Bot. 8(2/3):86-100. Ref. Dec.1962. 451 H68
- 89168 MATSUURA, H., and TANIFUJI, S. Chromosome studies on *Trillium kamtschaticum* Pall. and its allies. XXVIII. Modifying effects of chloramphenicol on X-ray-induced chromosome aberrations. Hokkaido U. Facul. Sci. J. Ser. V. Bot. 8(2/3):157-172. Ref. Dec.1962. 451 H68
- 89169 MATSUURA, H., and others. Chromosome studies on *Trillium kamtschaticum* Pall. and its allies. XXIX. Effects of ATP and DNA on the rejoining of chromosome breaks induced by X-raying. Hokkaido U. Facul. Sci. J. Ser. V. Bot. 8(2/3):173-200. Ref. Dec.1962. 451 H68  
T. Saho, S. Tanifuji, and M. Iwabuchi, joint authors.
- 89170 MATSUURA, H., and others. Chromosome studies on *Trillium kamtschaticum* Pall. and its allies. XXX. Effect of post-temperature-treatment on X-ray-induced chromosome aberrations. Hokkaido U. Facul. Sci. J. Ser. V. Bot. 8(2/3):201-208. Ref. Dec.1962. 451 H68  
S. Tanifuji, T. Saho, M. Iwabuchi, and S. Takizawa, joint authors.
- 89171 MATSUURA, H., and IWABUCHI, M. Effect of inorganic salts on cell division. I-II. Hokkaido U. Facul. Sci. J. Ser. V. Bot. 8(2/3):101-142. Ref. Dec.1962. 451 H68  
*Tradescantia* and *Paris* as test plants.

- 89172 MESTRE, J. C. Embryogeny of Amentaceae: embryo development in *Alnus glutinosa* L. (Fr) Acad. des Sci. Compt. Rend. 258(24):5949-5951. June 15, 1964. 505 P21
- 89173 MEYER, J. Tertiary inverse formations of the stem of *Vitis vulpina* Baltet (Tetrastigma voinierianum Pierre) and their interpretation. (Fr) Soc. Bot. de France. Mem. 1962: 118-124. Ref. 451 F84M
- 89174 MICHAUX, N. Structure and evolution of the apical meristem of *Jussiaea grandiflora* Michx., during the vegetative and reproductive stages. (Fr) Rev. Gen. de Bot. 61(838/839):81-90. Ref. Mar./Apr. 1964. 450 R326
- 89175 MITCHELL, J. W., and WORLEY, J. F. Intracellular transport apparatus of phloem fibers. Science 145(3630):409-410. July 24, 1964. 470 Sci2
- 89176 MOHAN-RAM, H. J., and RUSTAGI, P. N. Histomorphological effects induced by 2,4-D in the aerial roots of *Ficus benghalensis* L. Phytion [Vicente Lopez] 21(1):109-112. May 1964. 450 P567
- 89177 MOORE, R. P. Garden pea cotyledon cavities. Assoc. Off. Seed Anal. News Let. 38(2):12-13. June 1964. 61.9 As7N
- 89178 MOSS, B. Wound healing and regeneration in *Fucus vesiculosus* L. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:117-122. 1961, pub. 1964. 461.4 In8
- 89179 NAGY, MRS. P. B. Data to the production of tetraploid forms of musk melon. (Hu) Novenytermeles 13(1):27-38. Ref. Mar. 1964. 64.8 N76  
English summary.
- 89180 NILAN, R. A. The cytology and genetics of barley 1951-1962. Wash. State U. Res. Studies Monog. Sup. 3, 278 p. Ref. Mar. 1964. 500 W279A
- 89181 OGURA, Y. Origin of vascular plants and phylogeny of pteridophytes. (Ja) Bot. Mag. Tokyo 77(907):27-34. Ref. Jan. 1964. 450 B651
- 89182 O'KELLEY, J. C., ed. Plant tissue culture and morphogenesis. New York, Scholar's Libr., 1963. 88 p. Ref. 463.43 Ok2
- 89183 PAL, GY., and MANDY, GY. Morphological examinations with tomato varieties. (Hu) Kiserlet. Kozlem. 56(2):87-93. 1963, pub. 1964. 105.9 H89  
English summary.
- 89184 PANT, D. D., and MEHRA, B. Development of stomata in leaves of three species of *Cycas* and *Ginkgo biloba* L. Linn. Soc. London. J. Bot. 58 (375):491-497. Ref. Feb. 1964. 451 L64J
- 89185 PAULET, P., and MITSCH, J. P. Neoformation of blossom in vitro on *Cichorium intybus* L. root tissue cultures. (Fr) Acad. des Sci. Compt. Rend. 258(24):5952-5955. June 15, 1964. 505 P21
- 89186 PAVLOVA, A. M. New data on morphological variabilities in mung bean, cowpea and chickpea. (Rus) Trudy po Prikl. Bot. Genet. i Selek. 34(1):192-196. 1962. 451 R92  
English summary.
- 89187 PFAUCH, W. Foliage of some spruce types; differences on flat-branch and comb-shaped spruce. (Ge) Arch. f. Forstw. 13(5):535-544. Ref. 1964. 99.8 Ar22  
English summary.
- 89188 PHELOUZAT, R. Morphologie, phyllotaxie, ontogenie de trois rosacees: *Agrimonia eupatoria* L., *Poterium sanguisorba* L., *Geum urbanum* L. [Morphology, phyllotaxy and ontogeny of three Rosaceae: *Agrimonia eupatoria* L., *Poterium sanguisorba* L., *Geum urbanum* L.]. Rev. de Cytol. et de Biol. Veg. 26(2/3):347 p. Ref. 1963. 450 R3213  
English summary.
- 89189 PLANTEFOL, L. Structure and functioning of the terminal meristem of the stem; introduction. (Fr) Soc. Bot. de France. Mem. 1962:3-14. Ref. 451 F84M
- 89190 POLITIS, J. Cytological research on the formation of tannoids in certain Phaeophyceae. (Fr) Internatl. Symp. Seaweed Res. Proc., 4th Symp.:133-134. Ref. 1961, pub. 1964. 461.4 In8
- 89191 PUISEUX-DAO, S. *Batophora oerstedii* J. Ag. (Dasycladaceae) in laboratory culture. (Fr) Internatl. Symp. Seaweed Res. Proc., 4th Symp.: 135-141. 1961, pub. 1964. 461.4 In8  
Morphology and cytology.  
Includes discussion.
- 89192 QADRY, S. M. J. S., and ATAL, C. K. Studies on some umbelliferous fruits. II, Pharmacognosy of the fruits of *Cuminum cyminum* L. Planta Med. 11(4):427-431. Dec. 1963. 450 P697
- 89193 RAJHATHY, T., and DYCK, P. L. Methods for aneuploid production in common oats, *Avena sativa*. Canad. J. Genet. & Cytol. 8(2):215-220. Ref. June 1964. 443.8 C16  
X-rays.
- 89194 RAMSAY, H. P. The chromosomes of *Dawsonia*. Bryologist 67(2):153-162. Ref. Summer 1964. 450 B84
- 89195 RANGASWAMY, N. S., and RAO, P. S. Experimental studies on *Santalum album* L.—establishment of tissue culture of endosperm. Phytomorphology 13(4):450-454. Dec. 1963. 450 P566
- 89196 RANGELOVA, E. Morphological and biochemical investigations of wheat influenced by various chemical substances. (Bu) Bulgar. Akad. na Nauk. Inst. po Biol. "Metodii Popov." Izv. 13:159-183. Ref. 1963. 442.9 B87  
English summary.  
Stimulation of wheat seeds with gibberellin, hydroquinone and heteroauxin.
- 89197 RAO, A. N. Occurrence of polyembryony in *Vanda* during in vivo and in vitro conditions. Experientia 20(7):388. July 15, 1964. 475 Ex7
- 89198 RESCH, A. Electron microscope studies of chromocenters and chromonema nuclei. (Ge) Deut. Bot. Gesell. Ber. 77(4):134-139. Ref. 1964. 451 D48  
Impatiens holsti and *Cucumis sativus*.
- 89199 RODRIGUES, W. A. *Arvore hapaxanta* na flora amazonica [An hapaxanthic tree of the Amazon flora]. Manaos. Inst. Nac. de Pesquisas da Amazonia. Bot. P. 14, 8 p. Ref. 1962. 451 M312  
Spathelia excelsa.
- 89200 ROY, K. K. Anatomical studies of some species of *Eragrostis* P. Beauv. Acad. Sinica. Inst. Bot. Bot. B. New Ser. 5(1):54-62. Jan. 1964. 451 Ac1B
- 89201 RUSSELL, N. H., and CLARK, A. C. Morphological variation in geographically adjacent samples of *Senecio macdougallii* Heller. Ariz. Acad. Sci. J. 2(4):184-186. Dec. 1963. 500 Ar44
- 89202 SAMPSON, F. B. The floral morphology of *Pseudowintera*, the New Zealand member of the vesselless Winteraceae. Phytomorphology 13 (4):403-423. Ref. Dec. 1963. 450 P566
- 89203 SANKARANARAYANAN, K. Studies on the ultrastructure of the pea nucleolus and related nuclear structures. Diss. Abs. 24(12, pt. 1): 4946. June 1964. 241.8 M58
- 89204 SARMA, Y. S. R. K. Morphological notes on some members of Ulotrichales. Banaras Hindu U. J. Sci. Res. 13(2):393-398. Ref. June 1963. 330.9 B43
- 89205 SCARLETTE, W. D. B. The developmental morphology and vascular anatomy of *Coronilla varia* L. cv. Penngift. Diss. Abs. 24(12, pt. 1): 4945-4946. June 1964. 241.8 M58
- 89206 SCHMIDT, A. Chromosome numbers of southern European *Viola* species of the section *Melanium* (brief note). (Ge) Flora [Jena] 154(1): 158-162. Ref. Feb. 29, 1964. 450 F66
- 89207 SCHNEPF, E. On the protein crystalloids of *Lathraea clandestina*. (Ge) Z. f. Natforsch. 19b(4):344-345. Ref. Apr. 1964. 474 Z3  
In the nucleus.
- 89208 SHARMA, A. K., and SARKAR, A. K. Investigations on chemical protection against radiation damage. Phytion [Vicente Lopez] 21(1):47-53. Ref. May 1964. 450 P567  
Chloral hydrate and hexachlorocyclohexane treatment of onions; cytological results.
- 89209 SHETTY, B. V., and SUBRAMANYAM, K. Cytology of *Flagellaria indica* Linn. Cur. Sci. 33(9):279-280. May 5, 1964. 475 Sci23



- 89210 SHINAGAWA, T., and TANAKA, R. Chromosomes of *Chloranthus fortunei* (A. Gray) Solms. (Ja) J. Jap. Bot. 39(5):17-20. May 1964. 450 J8223  
English summary.
- 89211 SHIVARAMIAH, G., and DUTT, R. C. A contribution to the embryology of *Rondeletia amoenae* Hemsl. Cur. Sci. 33(9):280-281. Ref. May 5, 1964. 475 Sci23
- 89212 SINGH, H., and CHATTERJEE, J. A contribution to the life history of *Cryptomeria japonica* D. Don. Phytomorphology 13(4):429-445. Ref. Dec. 1963. 450 P566
- 89213 SINK, K. C. Embryo sac morphology and cytological investigations of cultivar crosses of *Euphorbia pulcherrima* Klotzsch. Diss. Abs. 24(12,pt.1):4933-4934. June 1964. 241.8 M58
- 89214 SIZOVA, M. A. Anatomical studies of leaves in some wild potato species. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 35(2):118-133. Ref. 1963. 451 R92  
English summary.
- 89215 SMITH, J. L. The conducting system of the liverworts *Pallavicinia* and *Symphyogyna*. Diss. Abs. 24(12,pt.1):4947. June 1964. 241.8 M58
- 89216 SOLBRIG, O. T. Intraspecific variation in the *Gutierrezia sarothrae* complex (Compositae-Asteraceae). Gray Herb. Harvard U. Contrib. 193:67-115, map. Ref. 1964. 451 G792  
Includes Appendix: Localities of *G. sarothrae* populations studied.
- 89217 SPENNEMANN, F. On the occurrence of single and multiple stem plants in a variety of Jerusalem artichoke; a contribution to varietal science. (Ge) Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn 10:175-184. Feb. 1964. 18 F777
- 89218 STANT, M. Y. Morphogenetic effects of gibberellic acid. I. *Corchorus olitorius* L. Kew. Roy. Bot. Gard. Kew B. 17(2):237-248. 1963. 451 K51B
- 89219 STEIN, O. L., and QUASTLER, H. Effect of tritiated thymidine on the morphogenesis of lateral roots in *Zea mays*. Radiation Res. 21(2):212-222. Ref. Feb. 1964. 334.8 R11
- 89220 SWAMY, B. G. L., and RAO, J. D. The endosperm in *Opilia amentacea* Roxb. Phytomorphology 13(4):423-428. Dec. 1963. 450 P566
- 89221 SWARTZ, D., and COLLAR, J. D. The development of *Pleurotus ulmarius* Er. grown in pure culture. Ark. Acad. Sci. Proc. 17:10-19. Ref. 1963. 500 Ar42
- 89222 SZEGEDI, S., TAMASI, J., and POLYAK, M. G. Comparative examination of below-ground and above-ground parts of normally and deep planted grape-vine stocks. (Hu) Kiserlet. Kozlem. 56(2):3-33. Ref. 1963, pub. 1964. 105.9 H89  
English summary.  
Root morphological studies.
- 89223 SZILVINYI, A. VON, and KERNMAYER, G. Giant cells from beta-rays. (Ge) Naturwissenschaften 51(10):241-242. May 15, 1964. 474 N213  
*Candida tropicalis*.
- 89224 TANIFUJI, S. Cytological effects of N. N'-triethylthiophosphoramidate (TESPA) upon the PMCs of *Paris verticillata* M. v. Bieb. Hokkaido U. Facul. Sci. J. Ser. V. Bot. 8(2/3):143-156. Ref. Dec. 1962. 451 H68
- 89225 TARAKANOV, K. N. Cytological peculiarities of barley varieties grown under conditions of trans-polar region. (Rus) Zhur. Obshch. Biol. 24(5):374-379. Ref. Sept./Oct. 1963. 442.8 Z6
- 89226 THERMAN, E., and KUPILA, S. Experiments on the effect of growth substances on plant meiosis. Suomalainen Eläin- ja Kasvitiet. Seura Vanamo. Tiedonannot 18(2):127-130. 1963. 410.9 Su7T  
Experiments with indoleacetic acid and 2,4-D on *Eremurus himalaicus* and *Agapanthus umbellatus*.
- 89227 TIRANTI, I. N. El numero cromosomico basico de las Malvaceas [Basic chromosome number of Malvaceae]. Presidencia Roque Saenz Pena. Estac. Expt. Agropecuaria. B. 27, 18 p. Ref. May 1964. 102.5 P922
- 89228 TOTHILL, J. C., and MERTON, L. R. Super-numerary chromosomes and variation in *Ehrharta calycina* Smith. Phytomorphology 13(4):21-28. May 1964. 450 P567
- 89229 TSAO, J. C. Y. Post UV irradiation effect on *Aspergillus terreus*, a morphological and biochemical study of the aged UV-induced variants. Acad. Sinica. Inst. Bot. Bot. B. New Ser. 5(1):26-35. Jan. 1964. 451 Ac1B
- 89230 TULECKE, W. A haploid tissue culture from the female gametophyte of *Ginkgo biloba* L. Nature [London] 203(4940):94-95. Ref. July 4, 1964. 472 N21
- 89231 VALIKHANOV, M. Morphologico-anatomical structure of the embryo and seedlings of *Rhaponticum carthamoides* (Willd) Iljin. (Rus) Leningrad. U. Vest. Ser. Biol. 3:22-28. Ref. 1963. 442.9 L542V  
English summary.
- 89232 VAN ASSCHE, C., and VERTESEN, J. Cytologic and phytopathologic study of *Cyclamen persicum*. (Fr) Internatl. Hort. Cong. [Proc.], 16th Cong., v. 4:171-176. 1962, pub. 1964. 90.09 C7616P
- 89233 VARGHESE, T. M., and PUNDIR, Y. P. S. Anatomy of the pseudocarp in *Anacardium occidentale* L. Indian Acad. Sci. Proc. Sect. B, 59(5):252-258. May 1964. 513 In25B
- 89234 VESELOVA, T. D. Dependence of vitality of female raceme of the corn upon its position on the stem. (Rus) Moscow. U. Vest. Ser. 6, 3: 47-58. May/June 1963. 442.9 M854
- 89235 VIETH, J. Contribution to the problem of coalescence of axes and fasciation in *Dipsacaceae*. (Fr) Soc. Bot. de France. Mem. 1962:96-104. Ref. 451 F84M
- 89236 VOIGT, M. An explanation of regular defects of structure of diatoms. (Fr) Internatl. Symp. Seaweed Res. Proc., 4th Symp.:151-153. 1961, pub. 1964. 461.4 In8
- 89237 WATTENDORFF, J. Altered urea permeability of *Allium cepa* epidermis cells from alpha-rays during deplasmolysis. (Ge) Naturwissenschaften 51(10):247-248. May 15, 1964. 474 N213
- 89238 WEBSTER, J. Culture studies on *Hypocrea* and *Trichoderma*. I. Comparison of perfect and imperfect states of *H. gelatinosa*, *H. rufa* and *Hypocrea* sp. 1. Brit. Mycol. Soc. Trans. 47(1): 75-96. Ref. Mar. 1964. 451 B76  
*Trichoderma viride*.
- 89239 WEBSTER, T. R., and STEEVES, T. A. Morphology and development of the root of *Selaginella densa* Rydb. Phytomorphology 13(4):367-376. Ref. Dec. 1963. 450 P566
- 89240 WEIBULL, G. Note on a possible natural polyploidizing process in *Dactylis glomerata* L. Agri Hortique Genet. 22(1/2):184-185. 1964. 64.8 Ag8
- 89241 WERNSMAN, E. A. Meiotic behavior of *Lotus* species. Diss. Abs. 24(12,pt.1):4934. June 1964. 241.8 M58
- 89242 WILLIS, J. C. N. The great Schwendener controversy. Suffolk Nat. Soc. Trans. 12(5):379-381. Jan. 1, 1964. 410.9 Su2  
Anatomy of Lichenes.

## GENETICS

- 89243 ABEL, W. O., and ROTHE, H. The effect of temperature on the frequency of postreduction in the liverwort (*Sphaerocarpos donnellii*). (Ge) Deut. Bot. Gesell. Ber. 77(4):95-100. Ref. 1964. 451 D48
- 89244 ANDERSON, C. E. A study of the development of the maize mutant branched silkless (bd.). Diss. Abs. 24(12,pt.1):4935. June 1964. 241.8 M58
- 89245 ANPILOGOV, M. Z. Inheritance of resistance to leaf rust in a soft wheat as a result of matching hybrid pairs. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 35(2):191-203. Ref. 1963. 451 R92  
English summary.

- 89246 BECKER, G. Problems of breeding for protein quality. (Ge) Z. f. Vererblehre. 33(8):313-322. Ref. 1963. 442.8 Z34  
Review of the literature on amino acid content of plants.
- 89247 BERNET, J. Effects of temperature on changes in cytological incompatibility and the modalities of sexual compability in some strains of *Podospora anserina*. (Fr) Ann. des Sci. Nat. Bot. et Biol. Veg. (ser.12)4(2):205-223. Ref. Apr./June 1963. 450 An75
- 89248 BERNSTEIN, H. On the mechanism of intra-genic recombination. II. *Neurospora crassa*. J. Theoret. Biol. 6(3):347-370. Ref. May 1964. 442.8 J8223
- 89249 BISWAS, A. C. A preliminary note on X-ray induced mutant of jute plant. Pakistan J. Sci. 15(3):139-142. May 1963. 475 P172
- 89250 BLIXT, S. Studies of induced mutations in peas. VIII. Ethyleneimine and gamma-ray treatments of the variety Witham Wonder. Agri Hortique Genet. 22(1/2):171-183. 1964. 64.8 Ag8
- 89251 BLIXT, S., and others. Studies of induced mutations in peas. IX. Induction of leaf spots in peas. Agri Hortique Genet. 22(1/2):186-194. 1964. 64.8 Ag8  
O. Gelin, R. Mossberg, G. Ahnstrom, L. Ehrenberg, and R. A. Lofgren, joint authors.
- 89252 BOGEN, H. J., and KRAEPELIN, G. Induction of respiration defective mutants of *Saccharomyces cerevisiae* with asynchronous and synchronous budding. (Ge) Arch. f. Mikrobiol. 48(3):291-298. Ref. 1964. 442.8 Ar26  
English summary.  
With acridine orange.
- 89253 BORGAONKAR, D. S., and DE WET, J. M. J. Cytogenetical study of hybrids between *Dichanthium annulatum* and *D. fecundum*. III. Phytion [Vicente Lopez] 21(1):55-60. Ref. May 1964. 450 P567
- 89254 BOWDEN, W. M. Cytogenetics of *Lobelia X speciosa* Sweet (*L. cardinalis* L. X *L. siphilitica* L.). Canad. J. Genet. & Cytol. 6(2):121-139. Ref. June 1964. 443.8 C16
- 89255 BOYLE, W. S. Cytogenetic effects of thermal neutron radiation on a polyploid grass hybrid. Radiation Bot. 4(1):27-31. Ref. Mar.1964. 450 R11  
Hybrid between *Agropyron trachycaulum* and *Hordeum jubatum*.
- 89256 BRANDY, K. Results of plant breeding: better quality-higher yield. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(22):828,830,832. May 28, 1964. 18 N39
- 89257 CARVALHO, A., and MONACO, L. C. Natural cross-pollination in *Coffea arabica* L. Internat. Hort. Cong. [Proc.], 16th Cong., v:447-449. 1962, pub.1964. 90.09 C7616P
- 89258 CATCHESIDE, D. G., JESSOP, A. P., and SMITH, B. R. Genetic controls of allelic recombination in *Neurospora*. Nature [London] 202(4938):1242-1243. June 20, 1964. 472 N21
- 89259 DEMARLY, Y., GUY, P., and CHESNEAUX, M. T. Preliminary analysis of competition in lucernes. (Fr) Ann. de l'Amelior. des Plantes 14(2):131-155. Ref. 1964. 14 F8499A  
English summary.  
Includes genetic factors.
- 89260 DERMEN, H. Cytogenetics in hybridization of bunch- and muscadine-type grapes. Econ. Bot. 18(2):137-148. Ref. Apr./June 1964. 450 Ec7
- 89261 DONOVAN, L. S., and MCLENNAN, H. A. Further studies on the inheritance of leaf size in broadleaf birdsfoot trefoil, *Lotus corniculatus* L. Canad. J. Genet. & Cytol. 6(2):164-169. June 1964. 443.8 C16
- 89262 DYCK, P. L. The production of chlorophyll mutants in *Avena strigosa* following X-irradiation and diethyl sulfate treatments. Radiation Bot. 4(1):83-87. Ref. Mar.1964. 450 R11
- 89263 EWART, L. C. The inheritance of flower size in grandiflora and multiflora *Petunias*. Diss. Abs. 24(12,pt.1):4929-4930. June 1964. 241.8 M58
- 89264 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. World catalogue of genetic stocks; barley. Supplement No. 2. Rome, 1963. 12 p. 59.9 F73
- 89265 FRYDENBERG, O., DOLL, H., and SANDFAER, J. The mutation frequency in different spike categories in barley. Radiation Bot. 4(1):13-25. Ref. Mar.1964. 450 R11
- 89266 GENETICS SOCIETY OF CANADA. Abstracts of papers presented at the ninth annual meeting, May 6-9, 1964, University of Saskatchewan, Saskatoon. Canad. J. Genet. & Cytol. 6(2):237-247. June 1964. 443.8 C16  
Chiefly plants; includes insects and livestock.
- 89267 GHOSH, A. N., and KNOWLES, R. P. Cytogenetic investigations of a chlorophyll mutant in bromegrass, *Bromus inermis* Leyss. Canad. J. Genet. & Cytol. 6(2):221-231. Ref. June 1964. 443.8 C16
- 89268 GOTTSCHALK, W. Die Wirkung mutierter Gene auf die Morphologie und Funktion pflanzlicher Organe; dargestellt an strahleninduzierten Mutanten von *Pisum sativum* [The effect of gene mutations on the morphology and function of plant organs illustrated by radiation induced mutants of *Pisum sativum*]. (Ge) Bot. Studien 14, 359 p. Ref., p.324-343. 1964. 450 B6533
- 89269 GOTTSCHALK, W. Investigations on the limitation of pleiotropy and absolute linkage. (Ge) Z. f. Vererblehre. 95(1):17-24. Ref. 1964. 442.8 Z34  
Mutations and genes of *Pisum sativum*.
- 89270 GUINOCHET, M. On some cytogenetic relationships among taxa of the group *Campanula rotundifolia* L. sens. latiss. (Fr) Acad. des Sci. Compt. Rend. 258(25):6216-6218. June 22, 1964. 505 P21
- 89271 HARLAND, S. C. Inheritance of seed weight in *Ricinus communis* L. Nature [London] 202(4938):1242. June 20, 1964. 472 N21
- 89272 HARNEY, P. M., and GRANT, W. F. The cytogenetics of *Lotus* (Leguminosae). VII. Segregation and recombination of chemical constituents in interspecific hybrids between species closely related to *L. corniculatus* L. Canad. J. Genet. & Cytol. 6(2):140-146. Ref. June 1964. 443.8 C16
- 89273 HENTRICH, W. The influence of temperature on the manifestation of chlorophyll mutations in barley. (Ge) Naturwissenschaften 51(9):222-223. May 1, 1964. 474 N213
- 89274 HOSHI, T., TAKEMURA, E., and HAYASHI, Z. Genetic modification of hydroxylation pattern in radish anthocyanins. Studies on anthocyanins. XLII. Bot. Mag. Tokyo 76(906):431-439. Ref. Dec.1963. 450 B651
- 89275 ISAK, H. Experiment with a chemical gametocide on Beta-beets. (Ge) Z. f. Vererblehre. 33(8):355-356. 1963. 442.8 Z34  
Biological castration with FW-450 in Austria.
- 89276 JARANOWSKI, J. Self-incompatibility in Angiospermae as related to plant breeding. (Pol) Postepy Nauk Roln. 15(5):23-56. Ref. 1963. 20.5 P84  
A review of literature.
- 89277 JOHN INNES INSTITUTE. Fifth-fourth annual report, 1963. Bayfordbury, Hertford, Herts, 1964. 58 p., map. Ref. 463.6 J61  
Chiefly plant breeding and genetics.
- 89278 JOHNSON, L. P. V., and AKSEL, R. The inheritance of malting quality and agronomic characters in a diallel cross of barley. Canad. J. Genet. & Cytol. 6(2):178-200. June 1964. 443.8 C16
- 89279 KARAPETYAN, V. K. Variability of plants grown from embryonically young seeds. (Rus) Zhur. Obshch. Biol. 24(5):360-364. Ref. Sept./Oct.1963. 442.8 Z6  
English summary.  
Wheat, with reference to genetics.
- 89280 KISLYUK, M. M. Obtaining winter cereal forms from spring varieties effected by negative temperatures and growing them under spring planting conditions. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 35(2):158-166. 1963. 451 R92  
English summary.  
With reference to genetics.



- 89281 KRUSE, R. Genetic basis of heterosis. Natl. Assoc. Col. & Teachers Agr. J. 8(1):6-9,12-13. Ref. Mar.1964. 275.9 N213  
Chiefly in corn and *Drosophila*.
- 89282 LAMPRECHT, H. The effect of interspecific genes. (Ge) Agri Hortique Genet. 22(1/2):1-55. Ref. 1964. 64.8 Ag8  
English summary.
- 89283 LAMPRECHT, H. Partial sterility and the structure of chromosomes of *Pisum*. (Ge) Agri Hortique Genet. 22(1/2):56-148. Ref. 1964. 64.8 Ag8  
English summary.
- 89284 LEGRO, R. A. H. Species hybrids and Delphinium breeding. Internatl. Hort. Cong. [Proc.] 16th Cong., v.4:50-53. 1962, pub.1964. 90.09 C7616P
- 89285 LONG, R. W. Cytogenetic investigations of artificial *Helianthus giganteus* X *H. salicifolius* hybrids (Compositae). Ohio J. Sci. 63(6):273-281. Ref. Nov.1963. 410 Oh3
- 89286 MACHADO VON TSCHUSI, E. Genetics of the tomato. (Sp) Spain. Inst. Nac. de Invest. Agron. Conf. 1964:155-183. 15 Sp18C
- 89287 MCKENZIE, R. I. H., and FLEISCHMANN, G. The inheritance of crown rust resistance in selections from two Israeli collections of *Avena sterilis*. Canad. J. Genet. & Cytol. 6(2):232-236. Ref. June 1964. 443.8 C16  
*Puccinia cornuta avenae*.
- 89288 MEGNET, R. A method for the selection of auxotrophic mutants of the yeast *Schizosaccharomyces pombe*. Experientia 20(6):320-321. June 15,1964. 475 Ex7
- 89289 MEHLQUIST, G. A. L. The effect of gamma radiation on carnations. Internatl. Hort. Cong. [Proc.] 16th Cong., v.4:10-18. 1962, pub.1964. 90.09 C7616P  
Induced mutation.
- 89290 MEHLQUIST, G. A. L., and GAGE, M. A. The origin of Delphinium X belladonna Hort. Internatl. Hort. Cong. [Proc.] 16th Cong., v.4:41-49. 1962, pub.1964. 90.09 C7616P  
*Delphinium cheilanthum formosum*.
- 89291 MERTZ, E. T., BATES, L. S., and NELSON, O. E. Mutant gene that changes protein composition and increases lysine content of maize endosperm. Science 145(3629):279-280. July 17,1964. 470 Sci2
- 89292 MINAISHI, T. The influence of the atomic age on plant breeding research. (Ja) Nogyo Gijutsu 18(2):40-41. Feb.1963. 22.5 N6829
- 89293 MOHAMED, H. A. Inheritance of resistance to Fusarium wilt in some Egyptian cottons. Empire Cotton Growing Rev. 40(4):292-295. Oct. 1963. 72.8 Em7
- 89294 MORA-URPI, J. A comparative cytological study of races, hybrids, and artificial tetraploids of *Haplopappus gracilis* (Nutt.) Gray. Diss. Abs. 24(12,pt.1):4932. June 1964. 241.8 M58
- 89295 MULCAHY, D. L. Evolution in *Oxalis* section *Corniculatae* with particular reference to heterostyly. Diss. Abs. 24(12,pt.1):4944-4945. June 1964. 241.8 M58
- 89296 MURRAY, B. E., and CRAIG, I. L. Chromosome instability in the male sterile clone 20 DRC of *Medicago sativa* L. Canad. J. Genet. & Cytol. 6(2):170-177. Ref. June 1964. 443.8 C16
- 89297 NICKEL, E. Investigations on metabolism and effects of radiation on some mutants of the ad 7-locus of *Schizosaccharomyces pombe*. (Ge) Z. f. Natforsch. 19b(4):312-315. Ref. Apr. 1964. 474 Z3
- 89298 PAO, W. K. The use of the gene theory in plant breeding. (Ch) Chung Kuo Nung Pao 5:28-33. May 1963. 22.5 C473
- 89299 RIMAN, L. A synoptic survey of maize genes. Maydica 8(4):99-123. Oct.1963. 59.8 M45
- 89300 RINKE, E. H., and HAYES, H. K. General and specific combining ability in diallel crosses of 15 inbred lines of corn. Acad. Sinica. Inst. Bot. Bot. B. New Ser. 5(1):36-41. Jan.1964. 451 Ac1B
- 89301 RUNGE, R. R. The effect of intrachromosomal recombination on coincidental crossing over in maize. Diss. Abs. 24(12,pt.1):4932-4933. June 1964. 241.8 M58
- 89302 SANCHEZ-MONGE PARELLADA, E. Cytogenetic techniques in the Plant Breeding Institute at Cambridge. (Sp) Spain. Inst. Nac. de Invest. Agron. Conf. 1964:83-91. 15 Sp18C
- 89303 SAUNDERS, J. H. Genetics of hairiness transferred from *Gossypium anomalum* to *G. barbadense*. Empire Cotton Growing Rev. 41(1):16-22. Ref. Jan.1964. 72.8 Em7
- 89304 SEYFFERT, W. Gene interaction in the formation of flower color. (Ge) Internatl. Hort. Cong. [Proc.] 16th Cong., v.4:19-28. 1962, pub.1964. 90.09 C7616P  
*Mathiola incana*.
- 89305 SEYFFERT, W. Measurement of spectral remission as an objective method for describing and classifying phenotypes. (Ge) Z. f. Vererblehre. 33(8):356-365. Ref. 1963. 442.8 Z34  
Tests with *Callistephus chinensis* and *Mathiola incana* genotypes.
- 89306 SHAPIRO, N. The genetic effects of X-irradiation and hydration on seed and pollen of tomato. Diss. Abs. 24(12,pt.1):4933. June 1964. 241.8 M58
- 89307 SIMMONDS, N. W. Studies of the tetraploid potatoes. I. The variability of the Andigena group. Linn. Soc. London. J. Bot. 58(375):461-474. Ref. Feb.1964. 451 L64J
- 89308 SINGH, A. Combining ability in *Dactylis glomerata* L. Diss. Abs. 24(12,pt.1):4899-4900. June 1964. 241.8 M58
- 89309 SINGH, R. N., and SINGH, H. N. Ultra-violet induced mutants of blue-green algae. I-II. Arch. f. Mikrobiol. 48(2):109-121. Ref. 1964. 442.8 Ar26  
I, *Anabaena cycadeae* Reinke; II, *Anabaena doliolum* Bharadwaja.
- 89310 SIZOV, I. A. Using the world plant resources in breeding. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 33(2):3-9. 1963. 451 R92  
English summary.  
At the Vsesoyuznyi Institut Rastenievodstva.
- 89311 STRIGINI, P., ROSSI, C., and SERMONTI, G. Effects of disintegration of incorporated 32p in *Aspergillus nidulans*. J. Molecular Biol. 7(6):683-699. Ref. Dec.1963. 442.8 J8224  
Includes mutation.
- 89312 SWARUP, V., and GILL, H. S. The use of marker gene in hybrid seed production in cabbage. Cur. Sci. 33(10):315-316. May 20,1964. 475 Sci23
- 89313 TAMASSY, I. Some methodological problems in the two genetical schools. (Hu) Novenytermeles 13(1):1-12. Ref. Mar.1964. 64.8 N76  
Michurinistic and Morganistic schools of thought in relation to plant genetics.
- 89314 TOPCHINSKI, S. Phenological, morphological, and genetic investigations of the progeny of hybrids of "Mme. Moutot" and "Mieze Schindler" with some other varieties. (Ge) Arch. f. Gartbau. 11(6):483-490. 1963. 80 Ar2  
English summary.  
Strawberries in Bulgaria.
- 89315 TWAMLEY, B. E., and CHRISTIE, B. R. Superior germplasm going to waste or can a plant breeder's dream become a reality. Forage Notes [Ottawa] 10(1):1-9. Ref. Spring 1964. 60.8 F742
- 89316 VASILEVA-DRYANOVSKA, O. On some problems of double fertilization in angiosperm plants. (Bu) Bulgar. Akad. na Nauk. Inst. po Biol. "Metodii Popov." Izv. 13:235-267. Ref. 1963. 442.9 B87  
English summary.
- 89317 WALLACE, A. T. Influence of seed moisture content of gamma-ray induced mutation rates at a specific locus in oats. Radiation Bot. 4(1):53-59. Ref. Mar.1964. 450 R11

- 89318 WARSAW. INSTYTUT HODOWLI I AKLIMATY-ZACJI ROSLIN. Wystawa "Stulecie Hodowli Roslin w Polsce." Exposition "100th Anniversary of Plant Breeding in Poland. Warsaw. Inst. Hodowli i Aklimatyzacji Roslin. B. 2/3, 155 p. 1962. 64.9 W26  
Text in Polish, Russian and English.
- 89319 WYK, D. VAN. Investigations on the genetics and biochemistry of flavonols of *Petunia hybrida*. (Ge) Z. f. Vererblehre. 95(1):25-41. Ref. 1964. 442.8 Z34
- 89320 YEE, T. B. Effect of radiation on a morning glory flower's future generations. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:5-9. 1962, pub.1964. 90.09 C7616P  
Includes discussion.
- 89321 ZARUBAILO, T. Ya. Plant genetics. (Rus) Trudy po Prikl. Bot. Genet. i Selek. 33(2):32-62. 1963. 451 R92  
English summary.
- 89322 ZEILINGA, A. E. History, development and cytology of *Begonia semperflorens*. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:29-32. 1962, pub.1964. 90.09 C7616P  
Cytogenetic study.
- 89323 ZIRKLE, C. Some oddities in the delayed discovery of Mendelism. J. Hered. 55(2):65-72. Ref. Mar./Apr.1964. 442.8 Am3  
History of genetics, chiefly plants.
- PHYSIOLOGY**
- 89324 ACCORINTI, J. Attempts to isolate the inhibitors from *Scenedesmus obliquus*. (Sp) Phytton [Vicente Lopez] 21(1):103-107. May 1964. 450 P567  
English summary.  
Antibiotics as inhibitors.
- 89325 ACCORINTI, J. Interspecific competition and antibacterial inhibitors from marine microalgae. (Sp) Phytton [Vicente Lopez] 21(1):95-101. Ref. May 1964. 450 P537  
English summary.  
*Chlorella stigmatophora* and *Dunaliella* sp.
- 89326 AGARWALA, S. C., MEHROTRA, N. K., and SINHA, B. K. Influence of exchangeable sodium on the growth and mineral composition of plants. I. Paddy and barley. Indian Soc. Soil Sci. J. 12(1):7-24. Ref. Mar. 1964. 56.9 In2
- 89327 ALBIN, R. W. A laboratory plant for a controlled nutrient experiment. S. Dak. Acad. Sci. Proc. 42:188-192. 1963. 500 So82
- 89328 ALEKSEEVA, L. N. Carbohydrate metabolism of some shrubs and semi-shrubs growing in various ecological-phytocoenological conditions of southwestern Kyzyl-Kum desert. (Rus) Uzbek. Biol. Zhur. 6:13-19. Ref. 1962. 442.8 Uz1
- 89329 ALLEN, H. The influence of soil properties on nectar secretion. Ilford, Essex, 1964. 6 p. 424 AL56
- 89330 ANDERSEN, A. M., HART, J. R., and FRENCH, R. C. Comparison of germination techniques and conductivity tests of cotton seeds. Internatl. Seed Testing Assoc. Proc. 29(1):81-96. Ref. 1964. 61.9 In84P
- 89331 ANGELOVA-PATARINSKA, Z. Comparative investigations into some physiological properties of mutants of *Torulopsis utilis*, obtained through ultraviolet radiation. (Bu) Bulgar. Akad. na Nauk. Inst. po Biol. "Metodii Popov." Izv. 13:185-195. 1963. 442.9 B87  
English summary.
- 89332 APPADURAI, R. R., and HOLMES, W. The influence of stage of growth, closeness of defoliation, and moisture on the growth and productivity of a ryegrass-white clover sward. I. Effect on herbage yields. J. Agr. Sci. [London] 62(3):327-332. Ref. June 1964. 10 J822
- 89333 AROKSZALLASY, Z. Life and multiplication of *Basidiomycetes* fungi. (Hu) Elovilag 8(6):18-24. Ref. Nov./Dec.1963. 410 EL6
- 89334 ASAHINA, E. Analysis of freezing process of living materials. VI. Study on a freezing process of sap drop of plant cells. 7 p. Transl. 13603  
No source of translation given.
- 89335 ASHIKAWA, K. The general prevention of black spot disease. (Ja) Noko-to-Engei 18(4):48-49. Apr.1963. 22.5 N693  
Deficiency disease of pears.
- 89336 ASHTON, F. M. The mode of action of the triazine herbicides. Calif. Weed Conf. Proc., 16th Annu. Conf.:103-104. Ref. 1964. 79.9 C122
- 89337 AUSTIN, J. H. Strontium sorption by *Chlorella pyrenoidosa* in continuous culture. Diss. Abs. 24(12,pt.1):5318-5319. June 1964. 241.8 M58
- 89338 AVDONIN, N. S., and OGLEZNEVA, V. V. Effect of soil properties and fertilizers on hardiness and biochemical processes of alfalfa. (Rus) Moscow. U. Vest. Ser. 6, 4:57-68. July/Aug.1963. 442.9 M854
- 89339 AVILOV, I. A. Utilization of different carbon sources of algae of the genus *Chlorella* in the dark. (Rus) Leningrad, U. Vest. Ser. Biol. 3:62-68. 1963. 442.9 L542V  
English summary.
- 89340 BAKER, W. G., and WHITE, R. G. Retention of viability in lyophilized spores of the fiddlehead fern, *Matteuccia pensylvanica*, Amer. Fern J. 54(2):87-89. Apr./June 1964. 450 Am35
- 89341 BARAK, D., and HAEMEK, M. Winter temperatures and deciduous fruit trees in Israel. Israel. Met. Serv. Agro-Met. B. 5(4):1-7. Ref. Jan.1964. 346 Is72A  
Text also in Hebrew.
- 89342 BARNARD, E. E. Some effects of gibberellic acid on the growth and anatomy of *Salvia* plants with and without adequate boron or zinc. Diss. Abs. 24(12,pt.1):4895-4896. June 1964. 241.8 M58
- 89343 BASLER, E., and others. The breakdown of phenoxy herbicides in blackjack oak [*Quercus marilandica*]. South. Weed Conf. Proc., 17th Annu. Mtg.:351-355. 1964. 79.9 So8  
C. C. King, A. A. Badiei, and P. W. Santelmann, joint authors.
- 89344 BAUDRIMONT, R. A propos of the period of latency of germination of zoospores of some *Ulvaceae*. (Fr) Internatl. Symp. Seaweed Res. Proc., 4th Symp.:42-49. 1961, pub.1964. 461.4 In8  
Includes discussion.
- 89345 BEAN, G. A., and WILCOXSON, R. D. Sporulation of *Helminthosporium dictyoides* on filter paper. Minn. Acad. Sci. Proc. 31(2):112-113. 1964. 500 M663
- 89346 BENONI, H. Attraction of pollen tubes by ovules. (Ge) Umschau 64(11):339. June 1, 1964. 474 Um7  
Tropism in *Oenothera longiflora*, *O. scabra*, and *O. argentea*.
- 89347 BEREZOVA, E. F. The role of microorganisms in plant nutrition. (Rus) Sadovodstvo 3:55-56. Mar.1964. 80 Sa13
- 89348 BERLINER, M. D., and LA ROCHELLE, M. F. Effects of plant growth substances on light emission and growth of luminescent fungi. Devlpmt. Indus. Microbiol. 5:390-398. Ref. 1964. 448.3 D49
- 89349 BILGRAMI, K. S. Studies on formation and role of synthetic oligosaccharides during the utilization of complex carbohydrates by some pathogenic species of *Phyllosticta*. Flora [Jena] 154(1):81-88. Feb.29,1964. 450 F66
- 89350 BILGRAMI, K. S. Studies on growth response of some pathogenic species of *Phyllosticta* in different nitrogen media. Flora [Jena] (154(1):1-11. Ref. Feb.29,1964. 450 F66
- 89351 BINGHAM, F. T., PAGE, A. L., and BRADFORD, G. R. Tolerance of plants to lithium. Soil Sci. 98(1):4-8. July 1964. 56.8 So3  
Chiefly vegetables and fruit.



- 89352 BLAGOVESHCHENSKII, A. V. The nature of action of succinic acid on cotton seeds. (Rus) *Khlopkovodstvo* 4:51. Apr.1964. 72.8 K522 Viability.
- 89353 BLANC, D., and DROUINEAU, G. Analytic control of carnation nutrition. (Fr) *Internatl. Hort. Cong. [Proc.]*, 16 Cong., v.4:101-105. 1962, pub.1964. 90.09 C7616P
- 89354 BOGDAN, A. V. A study of the depth of germination of tropical grasses: a new approach. *Brit. Grassland Soc. J.* 19(2):251-254. June 1964. 60.19 B773
- 89355 BOMEKE, H. Can fruit be made harmful for the consumer by treating with hormones? (Ge) *Obstbauversring. des Alten Landes. Mitt.* 19(1):12-13. Jan.1964. 85 J76  
To prevent pre-harvest drop, add color, or speed up ripening.
- 89356 BONNEMAIN, J. L., and BERNARD, M. Contribution to the study of the functions of the "supernumerary" sieve tissues: transport of assimilation products in *Datura stramonium* L. (Fr) *Soc. de Biol. Compt. Rend.* 158(2):351-355. Ref. 1964. 442.9 P21
- 89357 BOOS, G. V. Photoperiodic reaction of cucumber. (Rus) *Trudy po Prikl. Bot. Genet. i Selekt.* 35(2):94-97. 1963. 451 R92  
English summary.
- 89358 BORKOWSKI, J. The influence of maleic hydrazide on the growth, flowering and chemical composition of kohlrabi. (Pol) *B. Warzywniczy* 6:53-61. Ref. 1961/62. 80 B54  
English summary.
- 89359 BORNA, Z. The influence of several levels of constant or changeable soil moisture on the yield of onions. (Pol) *B. Warzywniczy* 6:89-94. 1961/62. 80 B54  
English summary.
- 89360 BOSMANS, P., and KAMOEN, O. The influence of a few antibiotics on germination and growth of fungi. (Fl) *Ghent. Landbhogesch. Meded.* 28(3):955-965. 1963. 105.1 G344  
English summary.  
Includes discussion.
- 89361 BOSS, M. L., DIJKMAN, M. J., and RUSSELL, E. Standardized culture of some Lemnaceae. *Fla. Acad. Sci. Q. J.* 26(4):335-346. Ref. Dec. 1963. 500 F66  
Aseptic culture in the laboratory.
- 89362 BRADFUTE, O. E. Entry of protein molecules into plant roots. *Diss. Abs.* 24(12, pt.1):4896-4897. June 1964. 241.8 M58
- 89363 BRAMLAGE, W. J. The effects of repeated early-season boron sprays on maturity and storage life of apples, and on carbohydrate changes and enzyme activity in the fruits. *Diss. Abs.* 24(12, pt.1):4897. June 1964. 241.8 M58
- 89364 BRAUN, H. Influencing plant growth with radionuclides in the region of maximal permissible concentrations. (Ge) *Naturwissenschaften* 51(8):199-200. Apr.15,1964. 474 N213  
Tests with *Vicia faba*.
- 89365 BUCK, Methodological and apparatus prerequisites for chemical analysis of air. (Ge) *Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr.* 5:17-22. 1963. 18 F778  
In relation to effects of pollution on plants.
- 89366 BUNNING, E. The physiological clock; endogenous diurnal rhythms and biological chronometry. 145 p. Ref. 442 B88Ae  
In plants, livestock, and insects.
- 89367 BURCH, D. V. Nectar; a lecture. Ilford, Essex, Cent. Assoc. Bee-Keeper's, 1963. 8 p. 424 B89
- 89368 BURNS, R., and others. Gibberellin sprays delay lime maturity. *Calif. Agr.* 18(7):14-15. July 1964. 100 C12Cag  
D. O. Rosedale, J. E. Pehrson, and C. W. Coggins, joint authors.
- 89369 BUTKOV, A. YA. Study of biology of flowering and fruit bearing of *Artemisia* of subgenus *Seriphidium* (Bess.) Rouy. (Rus) *Uzbek. Biol. Zhur.* 6:38-42. Ref. 1962. 442.8 Uz1
- 89370 BUTLER, J. D., and GARTNER, J. B. Plant regulators: their use as a hobby. III. *U. Agr. Ext. C.* 886, 16 p. Apr.1964. 275.29 IL62C
- 89371 BUTTERY, B. R., and BOATMAN, S. G. Turgor pressures in phloem: measurements on *Hevea latex*. *Science* 145(3629):285-286. Ref. July 17, 1964. 470 Sci2
- 89372 BYSZEWSKI, W., and JAKUBIEC, A. Changes in the shoots of yellow lupine. (Pol) *Warsaw. Szkola Glowna Gosp. Wiejsk. Roln.* 7:29-48. Ref. 1963. 20.5 W26  
German summary.  
Effects of various environmental factors on the yields of green mass.
- 89373 CHANG, C. W., and MERICLE, L. W. Effects of ionizing radiation on nucleic acids during embryonic development. I. Quantitative and qualitative analyses at embryonic "maturity." *Radiation Bot.* 4(1):1-12. Ref. Mar.1964. 450 R11
- 89374 CH'ANG, P. Y., and WU, C. Y. A discussion of the water requirements of winter wheat grown near the capital and its irrigation system. (Ch) *Nongye Jishu* 10:6-8. Oct.1963. 22.5 N929
- 89375 CHANG, S. C., and others. The basic cause of degenerative diseases of potatoes. (Ch) *Chung Kuo Nung Pao* 9:23-29. Sept.1963. 22.5 C473  
T. F. T'eng, C. F. Li, and C. F. T'ang, joint authors.
- 89376 CHATTERJEE, S. K. Regulatory systems controlling leaf abscission. *Diss. Abs.* 24(12, pt.1):4936-4937. June 1964. 241.8 M58
- 89377 CHEN, C. C. The absorption and mobility of root and foliar applied calcium sulfur, zinc and iron by tomato seedlings as influenced by gibberellin treatments. *Acad. Sinica, Inst. Bot. Bot. B. New Ser.* 5(1):17-25. Jan.1964. 451 AclB
- 89378 CHERNOV, V. N., and others. A device for measurement of irradiation of microorganisms within sectors 300-1000 m of the spectrum. (Rus) *Mikrobiologiya* 33(1):172-175. Jan./Feb. 1964. 448.3 M582  
M. I. Epstein, B. V. Beresin, and A. N. Kolbasov, joint authors.  
English summary.  
Photosynthesis; applicable also to plants.
- 89379 CHIVU, I. P., and NEAGU, M. Researches concerning the acclimatization of Italian reed (*Arundo donax*) in the Rumanian People's Republic. (Rum) *Celuloza si Hirtie* 13(1):1-5. Jan.1964. 309.8 C334  
English summary.
- 89380 CHRISTENSEN, E. M. The root system of bigtooth maple [*Acer saccharum grandidentatum*]. *Great Basin Nat.* 22(4):114-115. Dec.31, 1962. 410 G79
- 89381 CHU, S. L. Studies on evapo-transpiration from rice paddies. (Ch) *Shuili Xuebao* 3:1-10. June 1963. 290.8 Sh93  
Russian summary.
- 89382 CHUNDEROVA, A. I., and SHULYDIN, A. F. Proso-fatigued soil and its causes. (Rus) *Zemledelie* 2:84-88. Feb.1964. 20 Z44  
Toxic secretion of roots.
- 89383 CIAFFI, B. The mystery of the seed. (It) *Prog. Agr. [Bologna]* 10(1):77-87. Jan.1964. 58.8 P94
- 89384 CITHAREL, J., and VILLERET, S. Research on the nitrogen metabolism of some marine algae of the Breton coast. (Fr) *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.:291-300. Ref. 1961, pub.1964. 461.4 In8
- 89385 CLENDENNING, K. A. Photosynthesis and growth in *Macrocystis pyrifera*. *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.:55-65. Ref. 1961, pub.1964. 461.4 In8  
Includes discussion.
- 89386 COOPER, J. P. Climatic variations in forage grasses. *Span7(1):*21-24. 1964. 464.8 Sp2
- 89387 COOPER, J. P., and MACCOLL, D. Light and temperature efficiency with reference to forage grasses. *Aberystwyth. U. Col. Wales. Dept. Geog. Memo.* 6:6-11. 1963, pub.1964. 501 Ab3  
Great Britain.
- 89388 COSTES, C. The energy requirements of plants. *Span7(1):*15-17. 1964. 464.8 Sp2  
Photosynthesis and transpiration.

- 89389 COUTINHO, L. M. Some information on the occurrence of stomatal closing in epiphytes and ground herbs of the rain forest. (Por) Sao Paulo. U. Facul. de Fil., Cien. e Let. Bot. 20: 81-98. 1963. 451 Sa63  
English summary.
- 89390 CRISAN, E. V. Isolation and culture of thermophilic fungi. Boyce Thompson Inst. Contrib. 22(6):291-301. Ref. Apr./June 1964. 451 B69
- 89391 CRUZ-PEREZ, L. M. Sugar translocation in peppermint (*Mentha piperita* L.). Diss. Abs. 24(12,pt.1):4937. June 1964. 241.8 M58
- 89392 CURTIS, G. J., HORNSEY, K. G., and CAMPBELL, G. K. G. Graft-transmissible induction of elongation and flowering in scions of sugar-beet bred for resistance to bolting. Nature [London] 202(4938):1238. June 20, 1964. 472 N21
- 89393 CUZIN, J. The influence of external factors on the content of active principles in industrial tobaccos. 13 p. Transl. 13966  
Effect of growing conditions on alkaloid content.  
Translation from Pharmaceutisch Weekblad, 1957:775-781.
- 89394 CZOPEK, M. Methods of Lemnaceae culture. (Pol) Wiad. Bot. 7(2):153-164. 1963. 450 W632  
In laboratory conditions.
- 89395 CZYGAN, F. C. On the effect of chloramphenicol on growth and on the nitrate reducing enzyme system of green algae. (Ge) Naturwissenschaften 51(10):244. May 15, 1964. 474 N213
- 89396 DALKIEWICZ-BARANOWSKA, H., and MAZURÓWA J. Autumn observations on plants blooming in 1961 in Lomianki-Dziekanów Lesny area. (Pol) Warsaw. Szkoła Główna Gosp. Wiejsk. Roln. 7:229-239. 1963. 20.5 W26  
German summary.
- 89397 DALKIEWICZ-BARANOWSKA, H., MAZUROWA, J., and ZALEWSKA, W. Botanical note on plants blooming on October 2, 1961 in Morskie Oko valley [Tatra Mountains]. (Pol) Warsaw. Szkoła Główna Gosp. Wiejsk. Roln. 7: 241-242. 1963. 20.5 W26
- 89398 DALL'OLIO, G. L'azione dell'acido gibberellico sull'accrescimento di vicia faba L.: variazioni nel contenuto dei componenti minerali, azoto totale, colorofilla e carotinoidi [Effect of gibberellic acid on the growth of *Vicia faba* L.: variations in mineral content, total nitrogen, chlorophyll and carotenoids]. Ferrara. U. Ist. ed Orto Bot. Ann. Sez. IV, Bot. 2(8):67-92. Ref. 1963. 451 F41  
English summary.
- 89399 DANCER, J. The measurement of water deficits in tree crops with special reference to Robusta coffee. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:483-490. Ref. 1962, pub. 1964. 90.09 C7616P  
Includes discussion.
- 89400 DASCALU, O. The obtention of high yields from double maize hybrids as affected by the shape and size of the nutritive space. (Rum) Prob. Agr. [Bucharest] 16(1):55-59. Jan. 1964. 21 R862
- 89401 DAVID, R. Rooting of brachyblast cuttings of cluster pine [*Pinus pinaster*]. (Fr) Acad. des Sci. Compt. Rend. 258(24):5964-5965. June 15, 1964. 505 P21  
Treated with naphthaleneacetic acid.
- 89402 DAVIDYAN, G. G. The growth of hemp root system depending on day length. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 35(2):222-228. 1963. 451 R92  
English summary.
- 89403 DAVIES, W. E., and TYLER, B. F. The effect of weather conditions on the growth of lucerne. Aberystwyth. U. Col. Wales. Dept. Geog. Memo. 6:12-18. 1963, pub. 1964. 501 Ab3
- 89404 DAY, H. G. The nutritional significance of trace elements. Ind. Acad. Sci. Proc. 72:50-58. Ref. 1962, pub. 1963. 500 In2  
For plants and animals.
- 89405 DEBUISSON, J. Conditions for development of *Freesia refracta* alba. (Fr) Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:229-231. 1962, pub. 1964. 90.09 C7616P  
Chiefly temperature.
- 89406 DECAU, J., and LAMAZOU-BETBEDER, M. The effect of borated fertilizing on the production and mineral composition of wine from boron-deficient vines. (Fr) Ann. de Technol. Agr. 13(1):19-29. Ref. 1964. 14 F8499An  
English summary.
- 89407 DECHEV, G., and PANGELOVA, T. Bioelectric investigations into the transition of processes to new stationary states of roots induced by temperature change. (Bu) Bulgar. Akad. na Nauk. Inst. po Biol. "Metodii Popov." Izv. 13: 223-228. Ref. 1963. 442.9 B87  
English summary.
- 89408 DECHEV, G., and PANGELOVA, T. Modification of the bioelectric potential of clover following vacuum infiltration of water, salts, inhibitors and metabolites. (Bu) Bulgar. Akad. na Nauk. Inst. po Biol. "Metodii Popov." Izv. 13:215-221. Ref. 1963. 442.9 B87  
English summary.
- 89409 DEMETRIADES, S. D., HOLEVAS, C. S., and GAVALAS, N. A. Boron deficiency in apple trees in Greece. Inst. Phytopath. Benaki. Ann. (n.s.) 5(3):294-300. Ref. 1963. 464.9 At4
- 89410 DIMOND, A. E. The modes of action of chemotherapeutic agents in plants. Conn. Agr. Expt. Sta. B. 663:62-77. Ref. Dec. 1963. 100 C76St  
Includes discussion.  
In connection with disease resistance.
- 89411 DOMANSKI, R. Dormancy period in seeds. (Pol) Las Polski 37(24):8-9. Dec. 16/31, 1963. 99.8 L33
- 89412 DOWNS, R. J. Photocontrol of germination of seeds of the Bromeliaceae. Phytol [Vicente Lopez] 21(1):1-6. Ref. May 1964. 450 P567
- 89413 DREWS, G., and MEYER, H. Investigations on the chemical growth of cell walls of *Anacystis nidulans* and *Chlorogloea fritschii*. (Ge) Arch. f. Mikrobiol. 48(3):259-267. Ref. 1964. 442.8 Ar26  
English summary.
- 89414 DRIESSCHE, T. V. Influence of light on the synthesis of oil by the cotton. (Fr) Oleagineux 19(6):381-386. (Concl.) Ref. June 1964. 77.8 OL2
- 89415 DUBOUCHET, J., and PILET, P. E. Biological properties of some 5-hydroxy derivatives of the  $\gamma$ -indoleacetic acid. (Fr) Ann. de Physiol. Veg. 5(3):175-191. Ref. 1963. 451 F8432  
English summary.  
Test with wheat.
- 89416 DUPERON, R. Glucose metabolism in *Phaseolus vulgaris* seeds during imbibition. (Fr) Acad. des Sci. Compt. Rend. 258(24):5960-5963. Ref. June 15, 1964. 505 P21
- 89417 DUVDEVANI, S. Dew in Israel and its effect on plants. Soil Sci. 98(1):14-21. Ref. July 1964. 56.8 So3
- 89418 EASTIN, J. A. A study of changes in proteins and growth regulators during vernalization in embryo seedlings of *Triticum vulgare*. Diss. Abs. 24(12,pt.1):4897-4898. June 1964. 241.8 M58
- 89419 EGLE, K., and DOHLER, G. On induction phenomena in photosynthesis and darkness respiration in one-celled green algae. (Ge) Beitr. z. Biol. der Pflanzen 39(2):295-322. Ref. 1963. 450 C66
- 89420 EHRENDORFER, K. Influence of form of nitrogen on mineral uptake and formation of substances in spinach (*Spinacea oleracea* L.). (Ge) Bodenkultur 15(1):1-13. Ref. Mar. 1964. 19 B635
- 89421 EMBREE, R. W. The effects of temperature on growth, sporulation and asexual spore germination in the genus *Radiomyces*. Torrey Bot. Club. B. 91(4):263-270. July/Aug. 1964. 451 T63B
- 89422 EMERY, D. Seed propagation of native California plants. Santa Barbara Bot. Gard. Leaflet. 1 (10):81-96. Feb. 1964. 451 Sa5



- 89423 ENGELBRECHT, L. Effects of kinetin on attached leaves of *Nicotina rustica*. (Ge) *Flora [Jena]* 154(1):57-69. Ref. Feb.29,1964. 450 F66  
English summary.
- 89424 ENYL, B. A. C. The effect of varying photoperiod on the growth and yield of an upland rice plant. *Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed.* 1(1):83-89. Ref. 1963. 26 L53
- 89425 ENYL, B. A. C. The influence of depth of water on the establishment of rice plants. *Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed.* 1(1):74-82. 1963. 26 L53
- 89426 EVANS, E. C. Calcium transport in the primary root of *Zea mays*. *Diss. Abs.* 24(12,pt.1):4938. June 1964. 241.8 M58
- 89427 FALANGHE, H., SMITH, A. K., and RACKIS, J. J. Production of fungal mycelial protein in submerged culture of soybean whey. *Appl. Microbiol.* 12(4):330-334. Ref. July 1964. 448.3 Ap5  
Mushroom culture.
- 89428 FALUDI, B., GYURJAN, I., and DANIEL, A. F.  $^{14}\text{CO}_2$  incorporation in normal and albino corn leaves at different light intensities. *Acta Biol.* 14(3):161-174. Ref. 1963. 475 Ac85
- 89429 FALUDI, B., and others. Sugar antagonisms in plant tumour cells induced by 2,4-dichlorophenoxyacetic acid. *Acta Biol.* 14(3):183-190. Ref. 1963. 475 Ac85  
A. F. Daniel, I. Gyurjan, and S. Anda, joint authors.
- 89430 FARIAS ROCHA, F. Analise de germinacao da semente de cebola; conservacao da semente da cebola [Analysis of onion seed germination; storage of onion seed]. *Pelotas. Inst. Agron. do Sul. C.* 20,12 p. Mar.1963. 9.2 P36C
- 89431 FEDORENKO, V. P. Solonetz and saline soils are harmful. (Rus) *Sadovodstvo* 4:18. 1964. 80 Sa13  
Effect of salts on fruit trees.
- 89432 FEOFANOVA, N. D., and LIMAR, R. S. Stimulation of winter and spring wheat development by ultrasound. (Rus) *Trudy po Prikl. Bot. Genet. i Selekt.* 35(2):51-58. 1963. 451 R92  
English summary.
- 89433 FEOFANOVA, N. D. Studying of photosynthesis in some crops. (Rus) *Trudy po Prikl. Bot. Genet. i Selekt.* 35(2):33-41. Ref. 1963. 451 R92  
English summary.  
Grain and flax.
- 89434 FERGUSON, W. S. Effect of rainfall on plant response to phosphorus. *Canad. J. Soil Sci.* 44(2):180-187. Ref. June 1964. 56.8 C162  
Wheat.
- 89435 FETZER, J. The participation of energy yielding metabolic processes in the light induced chloroplast movements of *Mougeotia*. (Ge) *Z. f. Bot.* 51(5):468-506. Ref. Mar.1964. 450 Z32  
English summary.
- 89436 FIGULA, K. The role of ecology in land improvement. (Pol) *Krakow. Wyzsza Szkola Roln. Zeszyty Nauk. Melior.* 1(17):45-61. 1963. 54.9 K85  
English summary.  
Chiefly influence of irrigation and drainage on plant-water relations.
- 89437 FINDLAY, W. I., and FULTON, J. M. The nutrient composition of hybrid corn as influenced by fertilization. II. The phosphorus percentage. *Canad. J. Soil Sci.* 44(2):217-222. Ref. June 1964. 56.8 C162
- 89438 FINKELMAN, I., and REINHOLD, L. Studies on the uptake and release of sugars by segments of sunflower hypocotyl. I-II. *Israel J. Bot.* 12(3):97-113. Ref. Mar.1964. 450 Is7  
I. The effect of 2,4-dinitrophenol on the uptake of fructose; II. The effect of 2,4-dinitrophenol on the release of sugars and on the apparent free space of the tissue.
- 89439 FLINT, L. H. Concerning turgor. *Advn. Frontiers Plant Sci.* 8:13-23. 1964. 452.4 V81
- 89440 FOLLETT, R. H., and others. Effect of genetic population and soil fertility level on the chemical composition of sugar beet tops. *Colo. Agr. Expt. Sta. Tech. B.* 79,65 p. Ref. Apr.1964. 100 C71S  
W. R. Schmehl, L. Powers, and M. G. Payne, joint authors.  
U. S. Department of Agriculture, cooperating.
- 89441 FOLQUER, F., and RONCEDO, L. R. Action of maleic hydrazide on the foliage morphology, growth and conservation of the *Brasileira Blanca* sweet potato. *Internatl. Hort. Cong. [Proc.]*, 16th Cong., v.4:577-580. 1962, pub.1964. 90.09 C7616P
- 89442 FRANKE, W. Role of guard cells in foliar absorption. *Nature [London]* 202(4938):1236-1237. June 20,1964. 472 N21  
Spinach and *Viola tricolor* as test plants.
- 89443 FREGONI, M., and GAMBI, G. Latest research on the prefloral drop of peach buds in northern Italy in relation to cold requirements. (It) *Milan. U. Cattolica del Sacro Cuore. Facol. di Agr. Ann. (n.s.)* 3(3):487-498. Ref. Dec.1963. 16 M582  
English summary.
- 89444 FRENYO, V. Study of nutrient circulation of our economic plants with radioactive isotopes. (Hu) *Buvar* 9(1):10-13. Jan./Feb.1964. 410 B98
- 89445 FRIMMEL, G. Observations on the seed setting ability of red clover. (Ge) *Bodenkultur* 15(1):32-36. Ref. Mar.1964. 19 B635  
English summary.
- 89446 FROESE-GERTZEN, E. E., and others. The effect of ethyl methanesulfonate on the growth response, chromosome structure and mutation rate in barley. *Radiation Bot.* 4(1):61-69. Ref. Mar.1964. 450 R11  
C. F. Konzak, R. A. Nilan and R. E. Heiner, joint authors.
- 89447 GAAFAR, A. K., STINO, K. R., and MORSY, E. A. Effect of time of planting and of harvesting on the yield and starch output of sweet potatoes. *Internatl. Hort. Cong. [Proc.]*, 16th Cong., v.4:581-585. 1962, pub.1964. 90.09 C7616P
- 89448 GAAFAR, A. K., STINO, K. R., and SHALABY, G. I. Grafting as a means of studying vitamin C. Translocation in the sweet potato plant. *Internatl. Hort. Cong. [Proc.]*, 16th Cong., v.4:545-550. Ref. 1962, pub.1964. 90.09 C7616P
- 89449 GANTZER, E., and HEILINGER, F. On the influence of Roentgen rays on the embryo growth and changes in the composition of potato tubers. (Ge) *Atompraxis* 10(6):287-290. Ref. June 1964. 334.8 At73
- 89450 GEISLER, G. Zoospore formation and germination in *Plasmopara viticola* in relationship to osmotic pressure values. 7 p. *Transl.* 13379  
Translation from *Vitis* 2:40-44. Mar.1959.
- 89451 GENKEL, P. A., and OKNINA, M. Z. About the condition of dormancy of plants. 4 p. *Transl.* 13959  
Translation from *Akademiya Nauk SSSR. Doklady* 62(3):409-412. 1948.
- 89452 GERONIMO, J. Effects of aging and temperature on respiratory metabolism of green leaves. *Diss. Abs.* 24(12,pt.1):4939-4940. June 1964. 241.8 M58
- 89453 GIESBRECHT, J. The effect of date of seeding on a number of plant characters of soybeans grown in Manitoba. *Forage Notes [Ottawa]* 10(1):20-22. Spring 1964. 60.8 F742
- 89454 GINSBURG, H., and MAYER, A. M. Electrophoretic behavior of *Chlorella* species. *Phyton [Vicente Lopez]* 21(1):11-13. May 1964. 450 P567
- 89455 GLUSHENKOVA, N. I. Effect of day length on growth and development of mung beans. *Trudy po Prikl. Bot. Genet. i Selekt.* 34(1):152-158. 1962. 451 R92  
English summary.
- 89456 GOPP, K., and HAHNEL, K. Investigations on the duration of dormancy in barley varieties of the 1958-60 harvest. (Ge) *Braugersten-Jahrb.* 1960/62:71-82. Ref. 1963. 59.8 B73

- 89457 GORYSHINA, T. K., SMIRNOVA, V. YA., and TI, C. C. On water regime of herbaceous summer plants in the oak tree forest. (Rus) Lenin-grad. U. Vest. Ser. Biol. 3:29-37. Ref. 1963. 442.9 L542V  
English summary.
- 89458 GORYSHINA, T. K. Subnivean formation of chlorophyll in early spring plants growing in oak grove. (Rus) Bot. Zhur. [Moscow] 49(4): 602-603. Apr. 1964. 451 R923
- 89459 GOSS, J. A. Indole acetic acid and the germination of *Ornithogalum caudatum* pollen. Kans. Acad. Sci. Trans. 66(1):727-731. Ref. Spring 1963. 500 K13T
- 89460 GOTTLIEB, D. Germination of fungus spores. Endeavour 23(89):85-89. Ref. May 1964. 472 En2
- 89461 GRACANIN, M. The role of osmotic and non-osmotic forces in guttation and exudation. (Ge) Flora [Jena] 154(1):21-35. Ref. Feb. 29, 1964. 450 F66  
Zea mays rubra and Triticum vulgare.
- 89462 GRANT, E. A., and SALLANS, W. G. Influence of plant extracts on germination and growth of eight forage species. Brit. Grassland Soc. J. 19(2):191-197. Ref. June 1964. 60.19 B773  
Legumes and grasses.
- 89463 GRASHCHENKO, M. G. Fiber yield and quality in different fiber flax varieties depending on straw length. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 35(2):229-236. 1963. 451 R92  
English summary.  
Chiefly physiology.
- 89464 GREBNER, H. Research on the water economy of various drought resistant spring cereal varieties. (Ge) Z. f. Acker- u. Pflanzenbau 119(2):138-148. Apr. 1964. 18 J825  
English summary.
- 89465 GREGERS-HANSEN, B. The uptake by plants of diethylstilboestrol and of its glucuronide. Plant & Soil 20(2):215-220. Apr. 1964. 450 P696
- 89466 GRESSEL, J. B., and HOLM, L. G. Chemical inhibition of crop germination by weed seeds and the nature of inhibition by *Abutilon theophrasti*. Weed Res. 4(1):44-53. Ref. Mar. 1964. 79.8 W412
- 89467 GRIFFITH, G. AP. Nitrogen and the nutritive value of grass. Span 7(1):18-20. Ref. 1964. 464.8 Sp2
- 89468 GRIFFITHS, D. J., and PEGLER, R. A. D. The effects of long-term storage on the viability of S23 perennial ryegrass seed and on subsequent plant development. Brit. Grassland Soc. J. 19(2):183-190. Ref. June 1964. 60.19 B773
- 89469 GROMAKOVSKI, K. F. The development of roots in cuttings may be increased. (Rus) Sadovodstvo 3:42-43. Mar. 1964. 80 Sa13  
Water relation of grapes.
- 89470 GUDERIAN, G. Effects of sulfur dioxide fumes on the mineral content of plants. (Ge) Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr. 5:42-47. 1963. 18 F778
- 89471 GUILLEMAT, J., and CASSINI, R. Study of the phytotoxic action of treatments on moist wheat seeds and influence of the duration and conditions of storage. (Fr) Phytatrie-Phytopharm. 12(3):157-167. Sept. 1963. 464.8 P564  
Effects on germination.
- 89472 GUINN, G. Aseptic culture of excised roots: a limited review of recent literature. In O'Kelly, J. C., ed. Plant tissue culture and morphogenesis, p.35-46. Ref. 1963. 463.43 Ok2  
Includes discussion.
- 89473 GULKANIAN, V. W. Khirurgiya khlopchatnika [Cotton surgery]. Erevan, Izdatel'stvo Akademii Nauk Armyanskoi SSR, 1963. 442 p. Ref. 72 G952
- 89474 GUMINSKA, Z. Study of the theoretical fundamentals of hydroponics. (Fr) Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:313-318. Ref. 1962, pub. 1964. 90.09 C7616P
- 89475 GURAY, R. Capacity of germination of 17 year old feed beet seed and research on field's yield. (Tu) Saker 13(51):15-19. Apr. 1964. 65.8 Se4
- 89476 HAARRING, R. J., and others. The sensitivity of castorbean (*Ricinus communis*, L.) seeds to treatments with ethyl methane sulfonate and gamma rays as measured by M1-seedling response. Radiation Bot. 4(1):43-51. Ref. Mar. 1964. 450 R11  
A. T. Wallace, A. J. Norden, and S. C. Schank, joint authors.
- 89477 HABERMANN, H. M. Grafting as an experimental approach to the problem of physiological aging in *Helianthus annuus* L. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:243-251. 1962, pub. 1964. 90.09 C7616P
- 89478 HALEVY, A. H. Effect of hardening and chemical treatments on drought resistance of *Gladiolus* plants. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:252-258. Ref. 1962, pub. 1964. 90.09 C7616P
- 89479 HALEVY, A. H. Metabolic changes in Wedgewood Iris as influenced by storage temperature of bulbs. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:220-228. Ref. 1962, pub. 1964. 90.09 C7616P
- 89480 HALL, D. O. Photosynthetic phosphorylation above and below 0 C. Diss. Abs. 24(12, pt. 1): 4962-4963. June 1964. 241.8 M58
- 89481 HALL, W. A. Water requirements for vegetation in an urban environment. Amer. Soc. Agr. Engin. Trans. ASAE 7(1):17-19, 21. 1964. 290.9 Am32T
- 89482 HAYASHI, S. On the storage of nourishment in the plant. (Ja) Noko-to-Engei 18(4):45-47. Apr. 1963. 22.5 N693  
Deficiency diseases of pears discussed.
- 89483 HELLENURME, V., and RANG, H. The influence of gibberellins on the growth and development of plants. (Es) Eesti Loodus 5:271-275. Ref. Sept./Oct. 1963. 409.6 Ee7  
English summary.
- 89484 HELLWIG, A., and KALECZYC, M. The influence of radish, stock [*Mathiola incana*] and lettuce on tomato crops which follow. (Pol) B. Warzywnicz 6:241-251. Ref. 1961/62. 80 B54  
English summary.
- 89485 HEROLD, M. Varietal suitability of potatoes for pre-germination under foil. (Ge) Deut. Landwirt. 15(2):83-87. Ref. Feb. 1964. 18 D4822
- 89486 HESS, C. E. A physiological analysis of root initiation in easy and difficult-to-root cuttings. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4: 375-381. Ref. 1962, pub. 1964. 90.09 C7616P  
Use of growth substances.
- 89487 HIROI, T., and MONSI, M. Physiological and ecological analyses of shade tolerance of plants. 4. Effect of shading on distribution of photosynthate in *Helianthus annuus*. Bot. Mag. Tokyo 77(907):1-9. Ref. Jan. 1964. 450 B651
- 89488 HOLDEN, E. R. Micronutrient carriers for fertilizer use. Fert. Indus. Round Table. Proc., 13th Annu. Mtg.:22-26. 1963. 57.09 F41
- 89489 HOLT, R. F. Corn population and soil moisture interactions. Crop Quality Council. Ext. Conf. Rpt. 1962:58. 464.9 N813
- 89490 HORTOBAGYI, T. The aging of plant cells. (Hu) Elovilag 8(6):10-15. Nov./Dec. 1963. 410 EL6
- 89491 HORTOBAGYI, T. Symbiosis and its role in agriculture. (Hu) Buvar 9(3):141-146. May/June 1964. 410 B98  
Fungi and microorganisms with plants.
- 89492 HOSSAIN, S. M. M., and MANNERS, J. G. Relationship between internal characters of the conidium and germination in *Erysiphe graminis*. Brit. Mycol. Soc. Trans. 47(1):39-44. Ref. Mar. 1964. 451 B76
- 89493 HOWLETT, F. S., BROWN, W. N., and HOOD, K. J. Day air temperature in relation to yield and fruit quality attributes of six varieties, lines and hybrids of the greenhouse tomato. Ohio Veg. & Potato Growers Assoc. Growers Handb. & Annu. Proc. 49:50-64. 1964. 75.9 Oh3
- 89494 HOYLE, B. J. Stress and crowding as causes of potato defects. Calif. Agr. 18(7):8-9. July 1964. 100 C12Cag  
Deformities.



- 89495 HSUEH, Y. K., YIN, K. L., and CHANG, Y. C. The effect of X-ray radiation on the reproduction of yeast. (Ch) Acta Microbiol. Sinica 9 (3/4):356-361. Ref. Aug./Nov.1963. 448.3 Ac83
- 89496 HUERTA S., A. Intensity of transpiration in coffee under conditions of exposure to the sun and natural shade. (Sp) Cenicafé 13(3):125-138. Ref. July/Sept.1962. 68.29 C332
- 89497 HUNT, I. V., ALEXANDER, R. H., and RUTHERFORD, A. A. The effect of various manuring practices on the magnesium status of spring herbage. Brit. Grassland Soc. J. 19(2): 224-230. Ref. June 1964. 60.19 B773
- 89498 HURST, G. W. Grass growing days. Aberystwyth, U. Col. Wales. Dept. Geog. Memo. 6: 25-29, map. 1963, pub. 1964. 501 Ab3  
Water availability and transpiration.
- 89499 HUXLEY, P. A. The effects of hydrogen-ion concentration, temperature and seed drying method on the germination of coffee seeds. Internatl. Seed Testing Assoc. Proc. 29(1):61-70. Ref. 1964. 61.9 In84P
- 89500 HUXLEY, P. A. Some factors which can regulate germination and influence viability of coffee seeds. Internatl. Seed Testing Assoc. Proc. 29(1):33-60. Ref. 1964. 61.9 In84P
- 89501 IBA, K. Navel orange fructification and the aims and results of their treatment with gibberellins. (Ja) Noko-to-Engei 18(5):46-47. May 1963. 22.5 N693
- 89502 ILIEV, P. Influence of the initial action on the general effect obtained from uniformly reiterating influences. (Bu) Bulgar. Akad. na Nauk. Inst. po Biol. "Metodii Popov." Izv. 13:63-79. Ref. 1963. 442.9 B87  
English summary.  
Temperature effects on rye plants.
- 89503 ILNICKA, O., and SOZYNSKI, J. The influence of spore concentration on the survival of *Aspergillus niger* spores irradiated with ultra-violet light. (Ge) Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. II, Natwiss. 117(7): 736-739. Apr.29,1964. 448.3 C33  
English summary.
- 89504 INOGAMOVA, L. Effect of age and quality of pollen on selectivity of cotton fertilization. (Rus) Uzbek. Biol. Zhur. 6:77-78. 1962. 442.8 Uz1
- 89505 INOGAMOVA, L. Single and repeated pollination with pollen mixtures of cotton pistil during various phases of development. (Rus) Uzbek. Biol. Zhur. 6:74-77. 1962. 442.8 Uz1
- 89506 IONITA, M., and BORLEA, I. Contributions to the knowledge of maize growth dynamics. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:67-74. 1963. 106.4 T48  
English summary.
- 89507 IONITA, M., and SUBA, T. Influence of wind burn on production and cultural value of corn seeds. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 5:241-249. 1962. 106.4 T48  
French summary.
- 89508 JAKUBIEC, J., and GROCHOWSKI, L. Field and laboratory evaluation of pod resistance to bursting in two varieties of spring rape. (Pol) Warsaw. Szkoła Główna Gosp. Włejsk. Roln. 7: 49-65. Ref. 1963. 20.5 W26  
English summary.
- 89509 JALALI, A. K. Influence of ammonium sulphate and urea on the population count of wheat. Banaras Hindu U. J. Sci. Res. 13(2):237-239. June 1963. 330.9 B43
- 89510 JIRACEK, V., and others. The influence of 1- and 6-thiogluconic acid on the growth and the sugar and free amino acid content of pea seedlings. Naturwissenschaften 51(8):199. Apr.15, 1964. 474 N213  
H. Tomankova, E. Vedralova, and J. Kocourek, joint authors.  
1-Thio-D-glucose and 6-thio-D-glucose.
- 89511 JOFFE, A., and SMALL, J. G. C. The effect of periods of water stress on the growth and tillering of wheat and oats under controlled conditions. Phytol. [Vicente Lopez] 21(1):69-76. Ref. May 1964. 450 P567
- 89512 JOHNSTON, M. E. H., and MILLER, J. G. Investigations into techniques for the germination of *Paspalum dilatatum*. Internatl. Seed Testing Assoc. Proc. 29(1):145-148. 1964. 61.9 In84P
- 89513 JOHNSTON, M. E. H., and MILLER, J. G. Optimum germination conditions for *Trifolium pratense* L., red clover. Internatl. Seed Testing Assoc. Proc. 29(1):149-153. 1964. 61.9 In84P
- 89514 JONARD, P. Comparative study of the growth of two varieties of soft wheat. (Fr) Ann. de l'Amélior. des Plantes 14(2):101-130. Ref. 1964. 14 F8499A  
English summary.
- 89515 JUNGES, W. The influence of climatic factors and varying cultural measures on blossoming date and blossom yields of *Gerbera jamesonii*. III. Influence of water supply. (Ge) Arch. f. Gartbau. 11(6):469-482. 1963. 80 Ar2  
English summary.
- 89516 KANDELER, R. Twofold effect of bicarbonate on the control of blossom formation in *Lemna gibba* by light. (Ge) Deut. Bot. Gesell. Ber. 77(4):140-142. 1964. 451 D48  
Potassium bicarbonate.
- 89517 KADAR, GY. Formation of proper acid content of wines of the Alföld with proper selection of harvesting date. (Hu) Kerteszeti es Szoleszeti Foisik. Evkon. 2(1):159-171. 1963. 80 B85  
French summary.
- 89518 KARANOV, E., and GAITANDZHIEV, S. The  $\beta$ ,  $\beta$ -trichloro- $\alpha$ -oxyethylamides (chloralamides) of some chlorinated phenoxyacetic acids as growth regulators. I. Chemical structure and physiological activity. (Bu) Bulgar. Akad. na Nauk. Inst. po Biol. "Metodii Popov." Izv. 13: 105-120. Ref. 1963. 442.9 B87  
English summary.  
On plants.
- 89519 KARVE, A. D., and SALANKI, A. S. A feedback oscillation of a relatively high frequency in hypocotyls of *Carthamus tinctorius* L. Z. f. Bot. 52(1):98-102. May 1964. 450 Z32  
Compared with circadian rhythm.
- 89520 KERK, G. J. M. VAN DER, EYK, G. W. VAN, and WEBER, J. A. Plant growth regulators and their interrelationships. Chem. Weekbl. 60(14): 185-194. Ref. Apr.4,1964. 385 C42
- 89521 KIECKHEFER, B. J. Phenology and energy relationships of *Dicentra canadensis* and *D. cucullaria*. Diss. Abs. 24(12,pt.1):4942-4943. June 1964. 241.8 M58
- 89522 KIRYUKHIN, V. P. Foliar application of potato fertilizers. (Rus) Vest. Sel'skokhoz. Nauki [Moscow] 2:12-15. Ref. Feb.1964. 20 V633  
English summary.  
Effects on photosynthesis.
- 89523 KLEMM, M., and KLEMM, W. The use of radioisotopes for continuous determination of the daily transpiration rate in trees. (Ge) Flora [Jena] 154(1):89-93. Feb.29,1964. 450 F66  
Tested in *Populus hybrid* Oxford and *Betula verrucosa*.
- 89524 KMOCH, H. G. On grain and root formation of winter wheat in its dependence on weather and fertilizing measures of many years' duration. (Ge) Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn 10:125-140. Ref. Feb.1964. 18 F777
- 89525 KOJIC, M. On the coefficient of transpiration in spring geophytes. (Ge) Flora [Jena] 154(1): 212-214. Feb.29,1964. 450 F66  
*Leucojum vernum*, *Galanthus nivalis*, and *Allium ursinum*.
- 89526 KOLESNIK, A. A., and TSEREVITINOV, O. B. Experiment with zinc sulfate as fertilizer for apples. (Rus) Sadovodstvo 4:48-49. 1964. 80 Sa13  
Effect on chemical content.

- 89527 KONYCHEVA, V. Biology of flowering and embryology of *Salsola rigida* Pall. (Rus) Uzbek. Biol. Zhur. 6:43-48. 1962. 442.8 Uz1
- 89528 KOVALEVA, A. N. Biology of yellow currant (*Ribes aureum* Purch). (Rus) Moscow. U. Vest. Ser. 6, 4:48-56, map. July/Aug. 1963. 442.9 M854
- 89529 KOZENKO, E. M. Dynamics of sugars during the ripening of grapes. (Rus) Vinodel. i Vinograd. SSSR 3:10-11. 1964. 95.8 V77
- 89530 KRAEPELIN, G. Normalization of respiration deficiency in yeasts; reversal of stabilized RD-mutants to full normal respiration sufficient cells. (Ge) Arch. f. Mikrobiol. 48(3):299-305. Ref. 1964. 442.8 Ar26  
English summary.
- 89531 KRUSMANN, G. Contribution to the problem of smoke resistance in plants. (Ge) Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr. 5:107-114. 1963. 18 F778
- 89532 KUDRAWTSAVA, V. M. Determination of viability of pollen of *Polygonum weyrichii* F. Schmidt and *Polygonum divaricatum* L. through their culture. (Be) Minsk. Belaruskaya Akad. Navuk. Vestsi. Ser. Biyal Navuk 4:40-43. Ref. 1963. 442.8 M66
- 89533 KUIPER, P. J. C. Water uptake of higher plants as affected by root temperature. Wageningen. Landbhogesch. Meded. 4, 11 p. Ref. 1964. 105.2 W122
- 89534 KURYLOWICZ, B., and GRZESZKIEWICZ, H. An attempt to explain the dynamics of intake of some nutrients by maize. (Pol) Warsaw. Szkola Glowna Gosp. Wiejsk. Roln. 7:145-166. Ref. 1963. 20.5 W26  
German summary.
- 89535 KUWABARA, Y. Some observations and considerations on germination of grass seeds. (Ja) J. Jap. Bot. 39(5):24-31. May 1964. 450 J8223  
English summary.
- 89536 LABORIE, M. E. On the effects of gibberellin and (2-chloroethyl) trimethyl ammonium chloride on pigment metabolism. II. Effects of gibberellin and C.C.C. on chloroplast pigment content and renewal. (Fr) Ann. de Physiol. Veg. 5(2):89-113. Ref. 1963. 451 F8432  
English summary.
- 89537 LACHOVER, D., and ARNON, I. Influence of potassium deficiency in some soils on peanuts; Effects on quality and foliar diagnosis at the end of the growing season. (Fr) Oleagineux 19(6):391-395. June 1964. 77.8 OL2  
English summary, p. XXVI.
- 89538 LAHIRI, A. N., and KHARABANDA, B. C. Germination studies on arid zone plants. I. Germination in relation to moisture uptake by grass seeds and the probable role of coumarine in this mechanism. Natl. Inst. Sci. India. Proc. 29(3, pt. B):287-296. Ref. June 26, 1963. 513 N212
- 89539 LAMBINON, J., MAQUINAY, A., and RAMAUT, J. L. Zinc content of some lichens of calamine bearing soils in Belgium. (Fr) Brussels. Jard. Bot. de l'Etat. B. 34(2):273-282. June 30, 1964. 451 B83B
- 89540 LANCE, C. Research on growth and respiratory metabolism of normal and tumorous plant tissues cultivated in vitro. (Fr) Ann. des Sci. Nat. Bot. et Biol. Veg. (ser. 12) 4(1):1-157. Ref., p. 148-157. Jan./Mar. 1963. 450 An75
- 89541 LANGE, W. Drought tolerance of plants growing in soil containing fatty alcohol. Internatl. Assoc. Sci. Hydrol. B. 9(2):71-79. June 1964. 292.9 As7
- 89542 LARSON, L. A. Amino acid metabolism in pea seedlings. Diss. Abs. 24(12, pt. 1):4943. June 1964. 241.8 M58
- 89543 LASCOMBES, G. Remarks on the utilization of infrared gas analyzers for ecological study of photosynthesis. (Fr) Ann. des Sci. Nat. Bot. et Biol. Veg. (ser. 12) 4(2):251-264. Ref. Apr./June 1963. 450 An75
- 89544 LATKOVICS, MRS. GY., and MATE, F. Contributions to the nutrient uptake of young maize plants. (Hu) Agrochem. es Talajtan 12(4):537-548. Ref. Dec. 1963. 385 Ag83  
English summary.  
Effect of phosphorus on chemical composition.
- 89545 LAW, J. P., and BLOODWORTH, M. E. A simplified method for the control and measurement of water-use by greenhouse plants. Tex. Agr. Expt. Sta. Prog. Rpt. 2310, 6 p. May 4, 1964. 100 T31P  
Transpiration.
- 89546 LEIBO, S. P. Studies on the effects of subzero temperatures on the unicellular red alga, *Porphyridium cruentum*. Diss. Abs. 24(12, pt. 1):5502-5503. June 1964. 241.8 M58
- 89547 LELLEY, J. What caused the spring yellowing of wheat? (Hu) Magyar Mezogazdasag 19(24):9. June 10, 1964. 19 M27  
Nutritional deficiencies.
- 89548 LEWIS, E. J. Studies on fortnightly analysis of the proteins, peptides and free amino acids in some marine algae from Bombay. Natl. Inst. Sci. India. Proc. 29(3, pt. B):263-286. June 26, 1963. 513 N212
- 89549 LIMAR', R. S. Effect of supersonic vibrations on germination of seeds of some legume crops. (Rus) Trudy po Prikl. Bot. Genet. i Selek. 34(1):159-163. 1962. 451 R92  
English summary.
- 89550 LIMAR', R. S. Effect of ultrasound on germination and sprouting of some crops. (Rus) Trudy po Prikl. Bot. Genet. i Selek. 35(2):59-65. 1963. 451 R92  
English summary.  
Field crops.
- 89551 LINSER, H. Biological phenomena of growth. (Ge) Verband Deut. Landwirt. Untersuchungs- u. Forschungsanst. Festschr. 75:48-63. Ref. Sept. 1963. 18 V588  
In plant and animal life.
- 89552 LOBOV, M. Dates of irrigation. (Rus) Kartoffel' i Ovoshchi 5:26-27. May 1964. 75.8 K147  
Related to the growth of field crops.
- 89553 LOS, G. J. The carbon dioxide content of greenhouse air. Internatl. Hort. Cong. [Proc.], 16th Cong., v. 4:211-215. 1962, pub. 1964. 90.09 C7616P  
Includes discussion.
- 89554 LOVATO, A., and AMADUCCI, M. T. Examination of the problem of whether dormancy exists in seeds of onion (*Allium cepa* L.) and leek (*Allium porrum* L.). I. A comparative test of different tetrazolium test techniques. Internatl. Seed Testing Assoc. Proc. 29(1):17-26. 1964. 61.9 In84P
- 89555 LOVE, J. E. Effect of variety and ripeness on physical and chemical factors associated with the quality of fresh and processed tomatoes. Diss. Abs. 24(12, pt. 1):5326. June 1964. 241.8 M58
- 89556 LOVE, J. E., and MULLENAX, R. H. Exposure of *Coleus [blumei]* plants to gamma radiation. Tenn. Farm & Home Sci. Prog. Rpt. 50:18-19. Apr./June 1964. 100 T25F
- 89557 LOZERON, H., MAGGIORA, A., and JADASSOHN, W. Protection of *Vicia faba equina* against X-rays by serotonin. Experientia 20(7):390-391. July 15, 1964. 475 Ex7
- 89558 LUNT, O. R., and KOFRANEK, A. M. Some properties and applications of metal ammonium phosphate fertilizers. Internatl. Hort. Cong. [Proc.], 16th Cong., v. 4:352-361. 1962, pub. 1964. 90.09 C7616P  
Physiological effects on *Chrysanthemum*.
- 89559 LUZINA, Z. A. Changes in biological and industrial characteristics of lentils under various geographical conditions. (Rus) Trudy po Prikl. Bot. Genet. i Selek. 34(1):164-175. Ref. 1962. 451 R92  
English summary.



- 89560 LYR, H., and SEELIGER, I. The question of cyclophysis with *Antirrhinum majus* L. as an example. (Ge) *Flora [Jena]* 154(1):70-80. Ref. Feb.29,1964. 450 F66  
English summary.
- 89561 MCKERCHER, R. B. Summerfallow wheat protein variations in Saskatchewan. *Canad. J. Soil Sci.* 44(2):196-202. Ref. June 1964. 56.8 C162  
Caused by changes in the type of soil profiles and the associated microclimate.
- 89562 MAEDA, C. The use of the new growth substance, Trilon, in the early development culture of pears. (Ja) *Noko-to-Engei* 18(5):87-89. May 1963. 22.5 N693
- 89563 MAGDON, E. Investigations on the influence of catalase activity and susceptibility to radiation of *Vicia faba* primary roots to gibberellic acid. (Ge) *Radiation Bot.* 4(1):71-81. Ref. Mar.1964. 450 R11  
English summary.
- 89564 MALLETT, C., and PERIER, J. Phytocidal action of various substances used for treating sunflower seed at the time of germination. (Fr) *Inform. Tech. C.E.T.I.O.M.* 4:1-6. 1963, pub.1964. 77.8 In3
- 89565 MANOLIU, M. Factors affecting the preservation of the biological value of seed. (Rum) *Prob. Agr. [Bucharest]* 16(1):40-44. Jan.1964. 21 R862
- 89566 MARAKHOVSKII, I. P. Manganese has helped. (Rus) *Sadovodstvo* 3:61. Mar.1964. 80 Sa13  
Resistance of apricots to cold.
- 89567 MAROTI, M. Effect of culture medium and light on the growth of isolated carrot tissue. (Ge) *Phyton [Vicente Lopez]* 21(1):29-35. Ref. May 1964. 450 P567
- 89568 MARSHALL, H. V., and SELTMANN, H. Time of topping and application studies with maleic hydrazide on flue-cured tobacco. *Tobacco [New York]* 159(3):23-28. Ref. July 17,1964. 286.89 T552
- 89569 MARTIN, W. E. Radioecology and the study of environmental radiation. *Torrey Bot. Club. B.* 91(4):283-323. Ref. July/Aug.1964. 451 T63B  
Includes plant absorption of radioactive materials.
- 89570 MATHEW, A. G., VENKATARAMU, S. D., and GOVINDARAJAN, V. S. Studies on arecanut [*Areca catechu*]. I. Changes in chemical composition & physical characteristics of nuts with maturity. *Indian J. Technol.* 2(3):90-96. Ref. Mar.1964. 475 In22
- 89571 MATHON, C. C., and others. Cold requirements and plant distribution; the case of Sicily. (Fr) *Soc. de Biog. Compt. Rend.* 39(344/346):58-65, map. Jan.1963. 505 P216  
R. Tomaselli, J. Gaillochet, and F. Luciani, joint authors.
- 89572 MATSUBARA, S., and OGAWA, Y. Chromatographic separation of a growth factor for embryo and of gibberellin-like substances from the diffusate of *Lupinus* seed. *Bot. Mag. Tokyo* 76(906):440-445. Ref. Dec.1963. 450 B651
- 89573 MATSUOKA, K. Water absorption characteristics of eight varieties of sesame (*Sesamum indicum* L.) from varied world environments. *Advn. Frontiers Plant Sci.* 8:109-115. 1964. 452.4 V81
- 89574 MATSUOKA, S. Effects of radiation on the growth of *Euglena* cells. *Kyoto U. Inst. Chem. Res. B.* 42(1):1-9. Ref. Jan.1964. 385 K99
- 89575 MEDERSKI, H. J. Research needs for improving the efficiency of water use by plants. *Ohio. Agr. Expt. Sta. Spec. Rpt. Ser.* 2:15-16. Oct. 1963. 100 Oh3Spe
- 89576 MEES, G. C., and TOMLINSON, T. E. Urea as a fertilizer. *J. Agr. Sci. [London]* 62(2):199-205. Ref. Apr.1964. 10 J822  
Toxicity to wheat.
- 89577 MENZEL, R. G. Factors influencing the biological availability of radionuclides for plants. *Fed. Amer. Soc. Expt. Biol. Fed. Proc.* 22 (6,pt.1):1398-1401. Ref. Nov./Dec.1963. 442.9 F31P
- 89578 MERDINGER, E. Growth and pigment studies of *Pullularia pullulans*. III. *State Acad. Sci. Trans.* 57(1):28-33. Ref. 1964. 500 IL6
- 89579 MESZAROS, M. H., and NOVAK, A. The effect of potassium chlorate spraying on the phosphorus pentoxide content of leaves of tree nursery grafts. (Hu) *Agrokem. es Talajtan* 12(4):607-612. Ref. Dec.1963. 385 Ag83  
German summary.  
During chemical defoliation of fruit trees.
- 89580 METIVIER, S., and GERVY, R. Phosphate fertilizing and grass quality. *Internatl. Superphosphate Mfr. Assoc. Agr. Comt. B. de Doc.* 38:1-11. June 1964. 241 In832  
Text also in French.
- 89581 MEYER, F. H. New understanding of the association of tree and fungus. (Ge) *Umschau* 64 (11):325-328. Ref. June 1,1964. 474 Um7  
Mycorrhiza in beech.
- 89582 MICHNIEWICZ, M. Growth regulating substances with anti-gibberellin properties, and prospects of their use in practice. (Pol) *Postepy Nauk Roln.* 15(5):57-64. Ref. 1963. 20.5 P84  
A review of literature.
- 89583 MIDDLETON, K. R., and CHIN, T. T. A comparison of rock phosphate with superphosphate, and of ammonium sulphate with sodium nitrate, as sources of phosphorus and nitrogen for rubber seedlings. I. The effect upon growth and soil pH. *Rubber Res. Inst. Malaya. J.* 18 (3):109-122. Ref. 1964. 78.9 R824J
- 89584 MILICA, C. I., PIJOL, L., and JUNCU, A. The lodging resistance of the main winter wheat varieties grown in our country. (Rum) *Prob. Agr. [Bucharest]* 16(1):10-30. Ref. Jan.1964. 21 R862  
English summary.
- 89585 MILLER, D. M., ANDERSON, J. D., and PETERJOHN, G. W. Protoplasmic distribution and plasmodial fusion in a myxomycete *Physarum polycephalum*. III. *State Acad. Sci. Trans.* 57(2):94-97. June 15,1964. 500 IL6
- 89586 MITKOV, T., GEORGIEVA, YA., and GOTSOV, K. Studies on the withering of wheat in Dobru-dzha. (Bu) *Tolbukhin. Inst. po Pshenitsata i Slunchogleda. Izv.* 5:95-115. Ref. 1963. 59.9 T572
- 89587 MOK, B. C., and WU, W. Y. Ecological studies on the growth habits of summer planted sugarcane. (Ch) *Taiwan Sugar Expt. Sta. Rpt.* 34:1-18. Feb.1964. 65.9 F76R  
English summary.  
Chiefly effect of climate and weather on growth.
- 89588 MOMOT, YA. G. Forced self-pollination of safflower. (Rus) *Uzbek. Biol. Zhur.* 6:33-37. 1962. 442.8 Uz1
- 89589 MONAKHOVA, YU. V. Chemistry in grape culture. (Rus) *Vinodel. i Vinograd. SSSR* 2:31-33. 1964. 95.8 V77  
Chiefly fertilizers and growth substances.
- 89590 MONSELISE, S. P. Citrus seed biology. *Internatl. Hort. Cong. [Proc.]*, 16th Cong., v.4:559-565. Ref. 1962, pub.1964. 90.09 C7616P  
Includes discussion.
- 89591 MOREAU, C., and MOREAU, M. Observations about carbon nutrition of *Penicillium caseicola* Bainier and on some factors affecting its sporulation. (Fr) *Ann. des Sci. Nat. Bot. et Biol. Veg. (ser.12)* 4(2):241-250. Apr./June 1963. 450 An75
- 89592 MORRIS, D. A. Effects of temperature and relative humidity on fibre bundle strength measurements. *Empire Cotton Growing Rev.* 39(4):262-269. Oct.1962. 72.8 Em7
- 89593 MORRIS, D. A. Elongation of lint hairs in upland cotton in Uganda. *Empire Cotton Growing Rev.* 39(4):270-276. Ref. Oct.1962. 72.8 Em7
- 89594 MORRIS, D. A. Variation in the boll maturation period of cotton. *Empire Cotton Growing Rev.* 41(2):114-123. Ref. Apr.1964. 72.8 Em7
- 89595 MOUND, L. A. Extra-floral nectaries of cotton and their secretions. *Empire Cotton Growing Rev.* 39(4):254-261. Ref. Oct.1962. 72.8 Em7

- 89596 MOURAVIEFF, I. Opening in stomatic and photosynthetic apparatus of isolated leaves of *Veronica beccabunga* L. in monochromatic light of 512, 526, 546 and 660 m $\mu$ . (Fr) *Ann. des Sci. Nat. Bot. et Biol. Veg.* (ser.12)4(2):225-232. Ref. Apr./June 1963. 450 An75  
English summary.
- 89597 MOWRY, J. B. Effect of dormant season temperature variability on peach flower bud hardness. *Ill. State Acad. Sci. Trans.* 57(2):68-77. Ref. June 15, 1964. 500 IL6
- 89598 MULLER, G., and WINKLER, H. The effect of microscopic soil fungi on the dry matter yield of oats in young growth. (Ge) *Albrecht-Thaer-Arch.* 8(1/3):165-178. Ref. 1964. 18 AL1  
English summary.
- 89599 MULLER, H. On germination and dormancy in malting barley with reference to breeding aspects. (Ge) *Braugersten-Jahrb.* 1960/62: 83-111. 1963. 59.8 B73
- 89600 MULLER, W. H., and MULLER, C. H. Volatile growth inhibitors produced by *Salvia* species. *Torrey Bot. Club. B.* 91(4):327-330. July/Aug. 1964. 451 T63B
- 89601 MUNDA, I. The influence of salinity on the chemical composition, growth and fructification of some *Fucaceae*. *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.:123-126. 1961, pub. 1964. 461.4 In8
- 89602 NAGUIB, M. I., and SALAMA, A. M. Colchicine after-effects on the absorption and utilisation of phosphates and nitrates by mycelial felts of *Cunninghamella* sp. *Arch. f. Mikrobiol.* 48(3):222-238. Ref. 1964. 442.8 Ar26
- 89603 NAHER, W. Investigations on the radioactivity in the water and the plankton of the Starnberger See with special reference to the quality of the water. (Ge) *Arch. f. Hydrobiol.* 59(4):401-466, map. Ref. Oct. 1963. 410 Ar28  
English summary.  
Radioactive contamination.
- 89604 NAVARA, A., and others. Results of observations on chemical indices of ripening in grape varieties of the Little Carpathian viticultural region. (Cz) *Bratislava. Vyskumny Ust. pre Vinohradnictvo a Vinarstvo. Ved. Prace* 1962: 223-245. Ref. 390.6 B732  
Germans and French summaries.  
J. Cepec, J. Veselsky, and A. Pesko, joint authors.
- 89605 NEGBI, M., and TAMARI, B. Germination of chlorophyllous and achlorophyllous seeds of *Salsola volkensii* and *Aellenia austrani*. *Israel J. Bot.* 12(3):124-135. Ref. Mar. 1964. 450 Is7
- 89606 NEGI, N. S., and NORMAND, W. C. Sprouting of nutgrass [*Cyperus rotundus*] tubers following treatment with different oxygen concentrations. *South. Weed Conf. Proc.*, 17th Annu. Mtg.:359. 1964. 79.9 So8
- 89607 NELSON, S. O., and WOLF, W. W. Reducing hard seed in alfalfa by radio-frequency electrical seed treatment. *Amer. Soc. Agr. Engin. Trans. ASAE* 7(2):116-119, 122. Ref. 1964. 290.9 Am32T  
To improve germination.
- 89608 NESTSYAROVICH, M. D., and SIROTKINA, P. R. Water content in yearly shoots of trees in autumn-winter-spring period. (Be) *Minsk. Belaruskaya Akad. Navuk. Vestsi. Ser. Biyal. Navuk* 4:5-11. Ref. 1963. 442.8 M66  
Russian summary.
- 89609 NEURAY, G. Influence of ecological conditions on the growth of young *Cyclamen persicum*. (Fr) *Internatl. Hort. Cong. [Proc.]*, 16th Cong., v. 4:232-236. 1962, pub. 1964. 90.09 C7616P  
Light and temperature.
- 89610 NEWMAN, J. E., and BLAIR, B. O. What is the energy balance in your corn field? *Crops & Soils* 16(8):10-12. June/July 1964. 6 W55  
Solar radiation, soil temperature, evaporation and wind.
- 89611 NICHOLS, R. Effect of copper on cacao (*Theobroma cacao*). *Internatl. Hort. Cong. [Proc.]*, 16th Cong., v. 4:497-507. Ref. 1962, pub. 1964. 90.09 C7616P  
Includes discussion.
- 89612 NOWAKOWSKI, J. Observations on effects of Spritzormit and Pielik on honey flow. (Pol) *Ochrona Roslin* 7(5):6-7. May 1963. 464.8 Oc32  
Herbicides used for control of *Sinapis arvensis*.
- 89613 ODDOUX, L. Action of streptomycin and dihydrostreptomycin on the growth of mycelium of various *Homobasidiomycetes*. (Fr) *Soc. de Biol. Compt. Rend.* 158(2):333-336. 1964. 442.9 P21
- 89614 OERTLI, J. J. Nutrient disorders in cut flower carnations. *Florists' Rev.* 134(3475):33-34. July 2, 1964. 80 W41  
Calcium, magnesium, and sulfur.
- 89615 OERTLI, J. J. Nutrient disorders in cut flower carnations. *Florists' Rev.* 134(3476):23-24. July 9, 1964. 80 W41
- 89616 OHTSUKI, T., and OGAWA, Y. Studies on the utilization of konjakmannan by some *Actinomycetales*. *Bot. Mag. Tokyo* 76 (906):446-454. Ref. Dec. 1963. 450 B651
- 89617 OLARU, C. Some aspects concerning the appreciation of drought resistance in maize hybrids. (Rum) *Prob. Agr. [Bucharest]* 15(12):63-66. Dec. 1963. 21 R862
- 89618 O'LEARY, J. W., and KRAMER, P. J. Root pressure in conifers. *Science* 145(3629):284-285. July 17, 1964. 470 Sci2
- 89619 OLEINIKOVA, T. V. Reaction of spring varieties to vernalization depending on day length. (Rus) *Trudy po Prikl. Bot. Genet. i Selekt.* 35(2):17-24. Ref. 1963. 451 R92  
English summary.
- 89620 ORMOS, I. Changes in the site conditions from exposed planting to garden conditions. (Ge) *Internatl. Hort. Cong. [Proc.]*, 16th Cong., v. 4: 389-392. Ref. 1962, pub. 1964. 90.09 C7616P  
Hungary.
- 89621 OWEN, O. K. Setting tomatoes with ultrasonic sound. *Ohio Veg. & Potato Growers Assoc. Growers Handb. & Annu. Proc.* 49:39-43. 1964. 75.9 Oh3
- 89622 PANCHENKO, N. P. Water and temperature regime of winter and spring wheat as related to heat resistance in the southern Volga area. (Rus) *Trudy po Prikl. Bot. Genet. i Selekt.* 35(2):73-79. 1963. 451 R92  
English summary.
- 89623 PANDEY, D. C., and MITRA, A. K. Free amino-acid composition of *Anabaena naviculoides* Fritsch at heterocystous and non-heterocystous stages. *Naturwissenschaften* 51(10): 248-249. May 15, 1964. 474 N213
- 89624 PANDEY, S. N. Relation between nitrogen fixation and photosynthesis in pea (leguminous) and barley (non-leguminous) with varying levels of nitrogen. *Banaras Hindu U. J. Sci. Res.* 14(1):25-32. Dec. 1963. 330.9 B43
- 89625 PARIS, P. Effects of late nitrogen top-dressing on the amino acid composition of the grain of soft wheat. (It) *Milan. U. Cattolica del Sacro Cuore. Facol. di Agr. Ann. (n.s.)* 3(3):445-466. Ref. Dec. 1963. 16 M582  
English summary.
- 89626 PARK, D. Evidence for a common fungal growth regulator. *Brit. Mycol. Soc. Trans.* 46 (4):541-548. Dec. 1963. 451 B76
- 89627 PAWLUK, S., and BENTLEY, C. F. The uptake of  $S^{35}$  by crops from variable depths in the soils. *Canad. J. Soil Sci.* 44(2):261-263. June 1964. 56.8 C162
- 89628 PENNINGSFELD, F. Nutritive requirements of various orchids. (Ge) *Internatl. Hort. Cong. [Proc.]*, 16th Cong., v. 4:139-152. Ref. 1962, pub. 1964. 90.09 C7616P
- 89629 PETRASOVITS, I., and BELA, M. The effect of some factors influencing germination of rice on the amount of amino acid. (Hu) *Agrokem. es Talajtan* 12(4):593-598. Ref. Dec. 1963. 385 Ag83  
English summary.  
In relation to seed planting and storage methods.



- 89630 PETRASOVITS, I. Water management of rice plant. (Hu) Buvar 8(5):285-288. Sept./Oct. 1963. 410 B98
- 89631 PIERPOINT, M. Comparison of hard seed content in red clover by germination and various tetrazolium methods. Assoc. Off. Seed Anal. News Let. 38(2):15-16. June 1964. 61.9 As7N
- 89632 PIERPOINT, M. Dichondra [repens] germination and tetrazolium study. Assoc. Off. Seed Anal. News Let. 38(2):19-20. June 1964. 61.9 As7N
- 89633 PIETERS, G. A. Some aspects of the problem of sun and shade leaves. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:393-399. 1962, pub. 1964. 90.09 C7616P  
Photosynthesis and leaf thickness.
- 89634 PIVA, G. Influence of methods of fertilizing on the protein composition of bran. (It) Milan. U. Cattolica del Sacro Cuore. Facol. di Agr. Ann. (n.s.)3(3):555-563. Dec. 1963. 16 M582  
English summary.  
Wheat.
- 89635 PLANCHER, B. The influence of temperature and length of stratification on germination of seeds and embryos of Cox-Orange-Renette apples. (Ge) Obstbauversring. des Alten Landes. Mitt. 18(11/12):432-438. Nov./Dec. 1963. 85 J76
- 89636 POCHARD, E. Effect of gibberellin on the growth and development of the artichoke. (Fr) Ann. de l'Amelior. des Plantes 14(2):219-225. 1964. 14 F8499A  
English summary.
- 89637 POLETTINI, C. A. Effects of X rays on alkaline phosphatase in Eumycetes; quantitative determination in Botrytis vulgaris Pers., Aspergillus niger v. Tiegh., Penicillium lilacinum Thom and Thielavia basicola Zopf. (It) Ann. di Fitopatol. 5(5/6):174-184. Ref. 1962. 464.8 An7  
English summary.
- 89638 PONOMAREV, A. P., GOLUBEVA, Z. P., and SHUMILOVA, M. N. The effect of legumes on protein composition of grains grown in mixtures. (Rus) Vest. Sel'skokhoz. Nauki [Moscow] 2:49-50. Feb. 1964. 20 V633  
English summary.
- 89639 POPOV, M. D. Effect of gibberellin on inbred and hybrid maize plants. (Bu) Bulgar. Akad. na Nauk. Inst. po Biol. "Metodii Popov." Izv. 13:5-35. Ref. 1963. 442.9 B87  
German summary.
- 89640 POPOV, M. D. The effect of gibberellin, potassium bromide and penicillin on the germination of not completely ripened tobacco seeds. (Bu) Bulgar. Akad. na Nauk. Inst. po Biol. "Metodii Popov." Izv. 13:133-146. Ref. 1963. 442.9 B87  
German summary.
- 89641 PORUTSKI, G. V., and MATKOVSKI, K. I. Influence of some chemical stimulants on the secretion of volatile substances (air vitamins) from plants. (Bu) Bulgar. Akad. na Nauk. Inst. po Biol. "Metodii Popov." Izv. 13:147-158. Ref. 1963. 442.9 B87  
English summary.  
Seeds.
- 89642 PRASAD, A., and DIKSHIT, A. P. Studies on the storage of papaya pollen grains. Banaras Hindu U. J. Sci. Res. 14(1):52-55. Dec. 1963. 330.9 B43  
For breeding; includes germination after storage at different temperatures.
- 89643 PRECZNER, G. Comparative data on the development of watermelon varieties. (Hu) Debrecen. Agrtudo. Foisk. Tudo. Kozlem. 8:361-370. 1962, pub. 1963. 105.9 D35  
German summary.
- 89644 PRENDIVILLE, M. Hollow stem in very young celery plants. Nature [London] 202(4938):1238-1239. June 20, 1964. 472 N21
- 89645 PRIMOST, E., RITTMAYER, G., and MAYR, H. H. Research on increasing the resistance of grain to lodging. II. Changes in the composition of the wheat stalk through CCC treatment. (Ge) Bodenkultur 15(1):14-31. Mar. 1964. 19 B635  
English summary.
- 89646 PROBOCSKAI, E. Stratification examinations with seeding material of bitter almonds [Prunus amygdalus v. amara (D.C.) Focke] and wild apricot (Prunus armeniaca L.). Kiserlet. Kozlem. 56(2):47-70. Ref. 1963, pub. 1964. 105.9 H89  
English summary.  
Germination study.
- 89647 PROEBSTING, E. L., and MILLS, H. H. 1963 studies on effect of 2,4,5-TP on yield and quality of early Italian prunes. Wash. Agr. Expt. Sta. Sta. C. 432, 16 p. Ref. June 1964. 100 W27S
- 89648 PROVASOLI, L. Growing marine seaweeds. Internatl. Symp. Seaweed Res. Proc., 4th Symp.: 9-17. Ref. 1961, pub. 1964. 461.4 In8  
Nutrition.
- 89649 PUCCINI, G. Research on the nutrition of flowering plants for cutting cultivated on the industrial scale. (Fr) Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:126-131. 1962, pub. 1964. 90.09 C7616P
- 89650 PUGSLEY, A. T. New horizons in cereal production. Farmers' & Sci. Joint Conf. Cereals & Wool, 5th Conf.:77-79. 1963. 27 F22C  
Use of growth substances and selective herbicides.  
Includes discussion.
- 89651 QUIDET, P. Bitter pit disease in apples. (Fr) Potasse 38(315):109-111. May/June 1964. 57.8 P84
- 89652 RAATZ, E. Influence of fertilizers and of plant protection chemicals on the contents of our most important food and industrial potato varieties. (Hu) Kiserlet. Kozlem 56/A(1):83-103. Ref. 1963, pub. 1964. 105.9 H89  
English summary.
- 89653 RACKHAM, R. L., and MOREHEAD, G. W. Development of scion roots on Old Home pear trunks. Calif. Agr. 18(7):6-7. July 1964. 100 C12Cag  
Application of rooting hormone.
- 89654 RAJKHOWA, S. Germination of Cephaelis ipecacuanha. Indian Forester 90(5):312-314. May 1964. 99.8 In2
- 89655 RAKHIMOV, A. Suckling strength of leaves of various cotton varieties during early vegetation period. (Rus) Uzbek. Biol. Zhur. 6:73-74. 1962. 442.8 Uz1  
Includes osmosis.
- 89656 RAKHTEENKO, I. N. Rost i vzaimodeistvie korneykh sistem drevnykh rastenii [Growth and mutual effect of root systems of trees]. Minsk, Izdatel'stvo Akademii Nauk BSSR, 1963. 254 p. 463.47 R13
- 89657 RAZUMOV, V. I., and others. Physiology of crop plants; problems of the Laboratoriya Fizologii Rastenii at the Vsesoyuznyi Institut Rastenievodstva. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 33(2):10-31. 1963. 451 R92  
N. P. Panchenko, T. V. Oleynikova, and N. D. Feofanova, joint authors.  
English summary.  
Cereals.
- 89658 RAZUMOV, V. I., and OLEINIKOVA, T. V. The role of light conditions in vernalizing growing plants. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 35(2):5-16. Ref. 1963. 451 R92  
English summary.  
Photoperiodic reactivity of wheat.
- 89659 REICHARD, T. The influence of nitrogen and muriate of potash fertilizing on the seed value of potatoes. (Ge) Bodenkultur 14(4):303-312. Feb. 1964. 19 B635  
English summary.
- 89660 RENARD, W. The influence of smoke fumes on the admission of light by glass and the yield of greenhouse lettuce and peppers. (Ge) Forsch. u. Beratung. Reihe C, Wiss. Ber. u. Diskussionsbeitr. 5:77-80. 1963. 18 F778
- 89661 RESNIK, M. E. Absorption, translocation and interactions of potassium and calcium in barley and bush bean plants. Diss. Abs. 24(12, pt.1):4945-4946. June 1964. 241.8 M58

- 89662 RHOADES, E. D. Inundation tolerance of grasses in flooded areas. Amer. Soc. Agr. Engin. Trans. ASAE 7(2):164-166, 169. 1964. 290.9 Am32T
- 89663 ROBERTSON, J. A. Investigation of the influence of glass capillaries, immersed in toxic solutions, upon root growth. Diss. Abs. 24(12, pt.1):4887-4888. June 1964. 241.8 M58
- 89664 ROGERSON, A. B., and BINGHAM, S. W. A growth study and seasonal characteristics of *Artemisia vulgaris* L. South. Weed Conf. Proc., 17th Annu. Mtg.:360-363. 1964. 79.9 So8
- 89665 ROTINI, O. T. Influences of soil on the development of grapes and the quality of wines. (It) *Agricoltura* 13(6):67-77. Ref. June 1964. 16 Ag8226
- 89666 ROUX, L. The free nucleotides of tomato leaf tissue. (Fr) *Ann. de Physiol. Veg.* 5(3):203-215. Ref. 1963. 451 F8432  
English summary.
- 89667 RUBIN, B. A. Physiology of nutrition of roots. (Rus) *Zemledelie* 2:54-58. Feb. 1964. 20 Z44  
Includes use of fertilizers.
- 89668 RUDOLPH, H. The culture of high moor *Sphagnum* under defined conditions. (Ge) *Beitr. z. Biol. der Pflanzen* 39(2):153-177. Ref. 1963. 450 C66
- 89669 RUMINSKA, A., and KACZOR, Z. The influence of liming on growth and yields of caraway (*Carum carvi* L.). (Pol) *Warsaw. Szkola Glowna Gosp. Wiejsk. Roln.* 7:99-113. 1963. 20.5 W26  
German summary.
- 89670 RUMINSKA, A., and SZCZYGIELSKI, T. Preliminary studies on the dynamics of growth of shoots and roots of coriander (*Coriandrum sativum* L.). (Pol) *Warsaw. Szkola Glowna Gosp. Wiejsk. Roln.* 7:67-83. Ref. 1963. 20.5 W26  
German summary.
- 89671 RUMINSKA, A. Preliminary studies on the intake of minerals by coriander (*Coriandrum sativum* L.). (Pol) *Warsaw. Szkola Glowna Gosp. Wiejsk. Roln.* 7:85-97. 1963. 20.5 W26  
German summary.
- 89672 SALAMA, A. M., and NAGUIB, M. I. Colchicine after-effects on the absorption and utilisation of sucrose by *Cunninghamella* sp. *Arch. f. Mikrobiol.* 48(2):185-202. Ref. 1964. 442.8 Ar26
- 89673 SANCHEZ MORALES, A. On seed vernalization. (Sp) *Agricultura [Madrid]* 33(385):281-286. May 1964. 15 Ag84
- 89674 SANTELMANN, P. W., and MATLOCK, R. S. The influence of pre- and post-emergence herbicides on the yield and quality of Spanish peanuts. *South. Weed Conf. Proc.*, 17th Annu. Mtg. 132-137. 1964. 79.9 So8  
In Oklahoma.
- 89675 SATO, K. Effectiveness in the prevention of physiological diseases of apples. (Ja) *Kajitsu Nippon* 19(2):23-25. Feb. 1964. 80 K122
- 89676 SAULNIER-BLACHE, P. Study of the development of the grape. I. Growth, protein accumulation and respiration during progress from the vegetative phase to maturation. (Fr) *Ann. de Physiol. Veg.* 5(3):217-228. Ref. 1963. 451 F8432  
English summary.
- 89677 SAX, K., and SAX, H. J. The effect of chronological and physiological aging of onion seeds on the frequency of spontaneous and X-ray induced chromosome aberrations. *Radiation Bot.* 4(1):37-41. Ref. Mar. 1964. 450 R11
- 89678 SCHRODER, H. The influence of fertilizers in field trials on the content and yields of morphine in *Papaver somniferum* L. (Ge) *Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl.* 4:261-264. 1963. 509 D482  
Includes discussion.
- 89679 SCHWEMMLE, J. Germination of *Oenothera berteriana* and *Oe. odorata* seeds as well as their light green mutants. (Ge) *Z. f. Vererbhlehre.* 95(1):42-56. 1964. 442.8 Z34
- 89680 SEN, P. K., SEN, S. K., and GUHA, D. Carbohydrate and nitrogen contents of mango shoots in relation to fruit bud differentiation on them. *Indian Agr.* 7(1/2):133-138. Jan./July 1963. 22 In294
- 89681 SHIFRISS, O. Growth and sexuality of *Ricinus communis* L. in a constant environment. *Amer. Nat.* 98(900):187-189. May/June 1964. 470 Am36
- 89682 SIKKA, H. C., DAVIS, D. E., and FUNDERBURK, H. H. The effect of various types of herbicides on transpiration rate of soybean (*Glycine max* Merr.). *South. Weed Conf. Proc.*, 17th Annu. Mtg.:340-350. Ref. 1964. 79.9 So8
- 89683 SIMINOVITCH, D., and others. The quantitative estimation of frost injury and resistance in black locust, alfalfa, and wheat tissues by determination of amino acids and other ninhydrin-reacting substances released after thawing. *Canad. J. Bot.* 42(6):637-649. June 1964. 470 C16C  
H. Therrien, F. Gfeller, and B. Rheume, joint authors.
- 89684 SIMON, E. W. Aging and senescence in plants. *Times Sci. Rev.* 51:14-15. Spring 1964. 472 T48
- 89685 SIMS, J. L. Growing arable crops to reduce available nitrogen in reservoir soils. *Ark. Farm Res.* 13(3):5. May/June 1964. 100 Ar42F  
Soybeans, grain sorghum, and corn.
- 89686 SINEL'NIKOVA, V. N. Effect of gibberellin on growth, flowering and tuberization of potatoes. (Rus) *Trudy po Prikl. Bot. Genet. i Selekt.* 35(2):66-72. Ref. 1963. 451 R92  
English summary.
- 89687 SINHA, R. D. Soil compaction as a factor influencing phosphorus absorption and moisture utilization by wheat (*Triticum aestivum* L.) and grain sorghum (*Sorghum vulgare* Pers.). Diss. Abs. 24(12, pt.1):4888. June 1964. 241.8 M58
- 89688 SMALL, H. G. Cobalt and cation-organic acid relationships in soybean plants. Diss. Abs. 24(12, pt.1):4888-4889. June 1964. 241.8 M58
- 89689 SMIRNOVA, V. A., and SAKHARENKOVA, H. F. Dynamics of reserve substance in yearly shoots of trees. (Be) *Minsk. Belaruskaya Akad. Navuk. Vestsi. Ser. Biyol. Navuk* 4:12-18. 1963. 442.8 M66  
Russian summary.  
The effect of cold.
- 89690 SOBIESZCZANSKI, P. Resistance of winter varieties of cereals to cold. (Pol) *Postepy Nauk Roln.* 15(5):99-106. 1963. 20.5 P84
- 89691 SOKOLOV, A. K., and ARTAMANOVA, N. P. In orchards of Tadzhikistan. (Rus) *Sadovodstvo* 4:17-18. 1964. 80 Sa13  
Effect of catch crops on the growth of fruit trees.
- 89692 SOLOMATIN, I. Irrigation of carrots and their keeping quality. (Rus) *Kartofel' i Ovoshchi* 5:36. May 1964. 75.8 K147
- 89693 SOROKIN, C. Aging at the cellular level. *Experientia* 20(7):353-362. July 15, 1964. 475 Ex7  
Chlorella studied.
- 89694 SPIERINGS, F. Research on effects of fumes through gassing research. (Ge) *Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr.* 5:56-63. 1963. 18 F778  
Tests for effect of hydrogen fluoride and sulfur dioxide on plants.
- 89695 SPLITSTOESSER, W. E. Some aspects of dark CO<sub>2</sub> fixation in storage tissues. Diss. Abs. 24(12, pt.1):4971. June 1964. 241.8 M58  
Vegetables.
- 89696 SRIVAS, S. R., PRUTHI, J. S., and SIDDAPPA, G. S. Effect of stage of maturity of fruit and storage temperature on the volatile oil and pectin content of fresh limes (*Citrus aurantifolia*, Swingle). *Food Sci.* 12(11):340-343. Ref. Nov. 1963. 389.9 M99
- 89697 STACHYRA, T. Degenerative diseases of hops in Poland. p.126-157. Ref. (OTS 60-21574) 464 P87  
Translation from Poznan. Instytut Ochrony Roslin. *Prace Naukowe* 1(3):95-131. 1959.



- 89698 STANEK, J., and DRAHONOVSKY, J. On the effect of some nitrated phenols on the metabolism of the conidia of *Neurospora sitophila*. Collect. Czechoslovak Chem. Commun. 29(5): 1209-1221. Ref. May 1964. 385 C68
- 89699 STEIN, M. The influence of environmental factors in the hybrid *Digitalis purpurea* L. *Digitalis lutea* L. (Ge) Z. f. Vererbhlehre. 33 (8):337-346. Ref. 1963. 442.8 Z34  
Effects of light and moisture.
- 89700 STILES, W., and GARWOOD, E. A. Drought, soil water and grass growth. Aberystwyth. U. Col. Wales. Dept. Geog. Memo. 6:19-24. 1963, pub.1964. 501 Ab3
- 89701 STODDART, J. L. Seed ripening in grasses. II. Changes in free amino acid content. J. Agr. Sci. [London] 62(3):321-325. Ref. June 1964. 10 J822
- 89702 STOSCH, H. A. VON. Effect of iodine and arsenic on sea alga in culture. (Ge) Internatl. Symp. Seaweed Res. Proc., 4th Symp.:142-150. Ref. 1961, pub.1964. 461.4 In8
- 89703 STREL'NIKOV, I. G. Shoots developed from buds. (Rus) Vinodel. i Vinograd. SSSR 3:28-30. 1964. 95.8 V77
- 89704 STUART, N. W. Report of co-operative trial on controlling flowering of greenhouse Azaleas with growth retardants. Florists' Rev. 134 (3477):37-39, 74-76. July 16, 1964. 80 W41
- 89705 STUCKY, D. J. Changes in nucleic acid content and methanol extractable material in vernalized soft red winter wheat. Diss. Abs. 24 (12, pt. 1):4900. June 1964. 241.8 M58
- 89706 SUMERE, C. F. VAN., and GREEF, J. A. DE. Introductory study on the influence of some growth substances on whole roots of a higher plant *Pisum sativum* cultivar Rondo. (Fl) Biol. Jaarb. 31:169-180. Ref. 1963. 410 B52  
Coumarin, trans-cinnamic acid, and benzoic acid tested.
- 89707 SUBRAMONEY, N., and SANKARANARAYANAN, S. Effect of germination of rice on the pH of soil (a new technique for testing acid resistance). Internatl. Rice Comm. News Let. 13(1): 22-27. Mar. 1964. 59.9 In83N  
Plant excretions.
- 89708 SUPERSPERG, H. The drought period 1963. (Ge) Oesterr. Wasserrwirt. 16(3/4):79-83. Mar./Apr. 1964. 55.8 Oe8  
Effects on field crops.
- 89709 SUPNIEWSKA, J. H., and DOHNAL, B. The effect of allyltrimethylammonium bromide and related compounds on the growth of radish hypocotyls. Acad. Polon. des Sci. B. Ser. des Sci. Biol. 12(1):45-52. Ref. 1964. 512 W262
- 89710 SUZUKI, T. On the heavy swell of Delaware grapes treated with gibberellins. (Ja) Noko-to-Engei 18(5):48. May 1963. 22.5 N693
- 89711 SYKES, J. T. The use of mist propagation to determine the rooting response of *Cotoneaster* and *Diervilla* species. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:403-415. Ref. 1962, pub.1964. 90.09 C7616P  
Includes discussion.
- 89712 SZASZ, K. Contributions to the changes in carbohydrate reserves of lucerne roots during the vegetation period. (Hu) Agrochem. es Talajtan 12(4):599-606. Ref. Dec. 1963. 385 Ag83  
English summary.
- 89713 TABARD, P. Inquiry on cold; results of two years of experiment and trial, 1962-63. (Fr) Phytoma 10(155):19-22. Feb. 1964. 464.8 P563  
Effect on plants.
- 89714 TAKIZAWA, T. The carbide treatment of pine-apples. (Ja) Noko-to-Engei 18(5):98-99. May 1963. 22.5 N693  
As a growth substance.
- 89715 TAMBERG, T. G. Effect of gibberellin on ornamental plants. (Rus) Trudy po Prikl. Bot. Genet. i Selek. 35(2):85-93. Ref. 1963. 451 R92  
English summary.
- 89716 TATSUNO, S. Kanagawa Prefecture's gibberellin plan. (Ja) Noko-to-Engei 18(5):50. May 1963. 22.5 N693  
For the treatment of grapes.
- 89717 TAYLOR, J. A. Climatic factors and agricultural productivity; based on papers and discussions at a symposium held on March 13th 1963. Aberystwyth. U. Col. Wales. Dept. Geog. Memo. 6, 68 p., map. Ref. 1963, pub. 1964. 501 Ab3
- 89718 TENDILLE, C., and GERVAIS, C. Analysis of the quinone electron carriers in alfalfa variations of plastoquinones in the course of growth. (Fr) Ann. de Physiol. Veg. 5(3):193-201. 1963. 451 F8432  
English summary.
- 89719 THOMSON, N. J. Productivity of the second fruiting cycle of cotton in the Ord Valley, Northern Australia. Empire Cotton Growing Rev. 41(2):94-99. Apr. 1964. 72.8 Em7
- 89720 TIEMANN, H. D. Age, size, and growth of trees. Va. Forests 19(2):8-9, 20. Summer 1964. 99.8 V81  
Notable trees.
- 89721 TIKHOMIROV, B. A. Ocherki po biologii rastenii Arktiki. Contribution to the biology of Arctic plants. Moskva, Izdatel'stvo Akademii Nauk SSSR, 1963. 154 p. Ref. 459.2 T440  
Includes ecology.
- 89722 TIWARI, J. Effect of levels of nitrogen on growth yield and quality of potato. Banaras Hindu U. J. Sci. Res. 13(2):327-331. June 1963. 330.9 B43
- 89723 TOHVER, V. The importance of soil microbes for the nutrition of higher plants. (Es) Eesti Loodus 1:12-16. Ref. Jan./Feb. 1963. 409.6 Ee7
- 89724 TOMOVA, N., and VAKLINOVA, S. Influence of the root on the synthesis of amino acids and proteins in maize leaves in various nitrogen sources. (Bu) Bulgar. Akad. na Nauk. Inst. po Biol. "Metodii Popov." Izv. 13:81-92. Ref. 1963. 442.9 B87  
English summary.
- 89725 TOMPKINS, D. R. Factors related to internal browning of tomato fruits (*Lycopersicon esculentum* Mill.). Diss. Abs. 24(12, pt. 1):4901. June 1964. 241.8 M58
- 89726 TROBISCH, K. H. Determination of slight amounts of sulfur dioxide and nitrogen dioxide. (Ge) Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr. 5:23-28. 1963. 18 F778  
In air, with regard to effects on plants.
- 89727 TUKEY, H. B., and MORGAN, J. V. The occurrence of leaching from above-ground plant parts and the nature of the material leached. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4: 153-160. Ref. 1962, pub. 1964. 90.09 C7616P  
Metabolites.  
Includes discussion.
- 89728 TULECKE, W. The potential use of plant tissue cultures in physiological and biochemical investigations. In O'Kelley, J. C., ed. Plant tissue culture and morphogenesis, p.23-33. Ref. 1963. 463.43 Ok2  
Includes discussion.
- 89729 TURLAN, G. Synthetic conidiogenous media for *Neurospora crassa*. Nature [London] 202 (4938):1240. Ref. June 20, 1964. 472 N21
- 89730 UGLOV, P. D. Determination of water content in wheat plants. (Rus) Trudy po Prikl. Bot. Genet. i Selek. 35(2):80-84. 1963. 451 R92  
English summary.  
With reference to drought resistance.
- 89731 UTRATA, A. Agrometeorological characteristics of fall, winter and beginning of spring 1962/63. (Pol) Nowe Roln. 12(10):31-32. May 15/31, 1963. 20.5 N86  
Includes influence on field crops.
- 89732 UTRATA, A., PAWLINA, Z., and SZEPELSKA, H. Fall conditions for growth of winter cereals in 1963. (Pol) Nowe Roln. 13(3):17-18, map. Feb. 1/15, 1964. 20.5 N86  
Effects of weather.
- 89733 UTRATA, A. Vegetative period of root crops in meteorological conditions of 1963. (Pol) Nowe Roln. 12(21):33-34. Nov. 1/15, 1963. 20.5 N86
- 89734 VAGABOV, V. M., and SERENKOV, G. P. Study of polyphosphates in two species of green algae. (Rus) Moscow. U. Vest. Ser. 6, 4:38-47. Ref. July/Aug. 1963. 442.9 M854  
*Dunaliella viridis* and *Scenedesmus obliquus*.

- 89735 VAKLINOVA, S., and SALCHEVA, G. Primary inclusion and distribution of  $P^{32}$  depending on the hardness of winter wheat. (Bu) Bulgar. Akad. na Nauk. Inst. po Biol. "Metodii Popov." Izv. 13:93-103. Ref. 1963. 442.9 B87  
English summary.
- 89736 VAN ONSEM, J., and HAEGEMAN, J. Gibberellins and their influence on the growth and flowering of roses. (Fr) Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:422-426. Ref. 1962, pub.1964. 90.09 C7616P
- 89737 VAN ONSEM, J., and HAEGEMAN, J. Study of the correlation between the plucking of blossoms and the formation of tubercles by *Begonia tuberhybrida* Voss. (Fr) Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:297-303. 1962, pub.1964. 90.09 C7616P
- 89738 VANHOOREN, A. Wind protection in fruit culture. (Fr) Rev. de l'Agr. 17(4):483-506. Apr. 1964. 13 R322  
Discusses the effects on the fruit tree.
- 89739 VASIL'EVA, N. S. The effect of minor elements on the growth, development and yields of *Gladiolus*. (Be) Minsk. Belaruskaya Akad. Navuk. Vestsi. Ser. Biyal. Navuk 4:48-53. 1963. 442.8 M66  
Russian summary.
- 89740 VEKILOVA, F. I., BOROVSKAYA, YU. B., and EFENDIEVA, N. G. Distribution of cobalt in plants. (Rus) Akad. Nauk Azerb. SSR. Izv. Ser. Geol.-Geog. Nauk i Nefti 4:71-86. Ref. 1963. 403 Ak12  
Review of literature.
- 89741 VENTSLAVOVICH, F. S., and OLENIKOVA, T. V. Effect of gibberellin on growth, development and green matter yield of sunflower. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 35(2):25-32. Ref. 1963. 451 R92  
English summary.
- 89742 VIDAL, P., and GREUSARD, H. Contribution to the study of the water requirements of the Roussillon apricot. (Fr) Pyrenees-Orientale. Chambre d'Agr. B. Tech. 27:74-79. Sept.1963. 14 F8462
- 89743 VINCENT, A., and GOUJON, C. Resistance to cold in wheat. I. (Fr) Ann. de l'Amelior. des Plantes 14(1):39-56. 1964. 14 F8499A  
English summary.
- 89744 VIOLANTE, P. Glyceride composition of tomato seed oil; influence of environment and variety. (It) Naples. U. Facol. di Sci. Agr. Ann. (ser.3)29:335-347. Ref. 1963/64. 105.4 P83  
English summary.
- 89745 VISSER, W. C. Theoretical considerations on plant yield, growth factors, and water consumption. (Ge) Z. f. Acker- u. Pflanzenbau 119(4):293-308. June 1964. 18 J825  
English summary.
- 89746 VOGL, M. Translocation of labelled phosphorus in the poplar leaf. (Ge) Flora [Jena] 154 (1):94-98. Feb.29,1964. 450 F66
- 89747 VOLLMER, F. J. On the influence of growth substance herbicides on growth and yield of winter wheat. (Ge) Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn 10:141-157. Ref. Feb.1964. 18 F777
- 89748 VOLPI, B. The influence of deficiencies and supplements of sulfur to the soil on forage production, its protein level, and its content in various amino acids. (It) Milan. U. Cattolica del Sacro Cuore. Facol. di Agr. Ann. (n.s.)3(3):603-629. Dec.1963. 16 M582  
English summary.
- 89749 VOZNYAKOVSKAYA, YU. M., and NURZHANOV, U. S. The effect of growth substances produced by microorganisms on the germination of seeds. (Rus) Agrobiologiya 1:89-95. Jan./Feb.1964. 20 Ag822  
Effect on corn and carrot.
- 89750 VYAS, K. K. Effect of varying organic matter and moisture levels on yield and uptake of phosphorus by wheat. Banaras Hindu U. J. Sci. Res. 14(1):115-121. Ref. Dec.1963. 330.9 B43
- 89751 WALDSCHMIDT-LEITZ, E., and KLOOS, G. The dependency of the composition of hordein on site, year of culture, and variety. (Ge) Braugersten-Jahrb. 1960/62:16-22. 1963. 59.8 B73
- 89752 WALKER, L. C., and ARNOLD, J. C. Detecting tree feeding roots with radioactive phosphorus. Advn. Frontiers Plant Sci. 4:179-188. Ref. 1963. 452.4 V81
- 89753 WALKER, R. B. Leaves from the Arboretum; factors which affect the flowering of woody plants. Arboretum B. 26(1):108-110. Winter 1963. 451 Ar1
- 89754 WALLACE, A. Chelation and coordination chemistry as an explanation of factors that induce iron chlorosis in plants. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:347-351. 1962, pub.1964. 90.09 C7616P  
Includes discussion.
- 89755 WALTON, P. D. Estimates of water use by cotton crops at Serere, Uganda. Empire Cotton Growing Rev. 39(4):241-251. Oct.1962. 72.8 Em7
- 89756 WATKINSON, J. H. A selenium-accumulating plant of the humid regions: *Amanita muscaria*. Nature [London] 202(4938):1239-1240. June 20, 1964. 472 N21
- 89757 WAXMAN, S., FRIEND, W. H., and METCALF, E. L. Flashlighting of *Chrysanthemums*; prevention of flower bud initiation by intermittent light. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:237-242. Ref. 1962, pub.1964. 90.09 C7616P
- 89758 WEBER, J. B. Soil and plant potassium as affected by soil temperature, moisture and continuous cropping. Diss. Abs. 24(12,pt.1):4901. June 1964. 241.8 M58  
Experiments with bromegrass.
- 89759 WESTING, A. H. Bioassay methods for geotropically active growth substances. Ind. Acad. Sci. Proc. 72:115-117. 1962, pub.1963. 500 In2  
Oat as test plant.
- 89760 WHITEHEAD, R. A. The processing of coconut pollen. Oleagineux 19(7):477-483. Ref. July 1963. 77.8 OL2  
Viability testing and storage.
- 89761 WILLENBRINK, J. Light dependent incorporation of  $^{35}\text{S}$  in an organic bond in tomato plants. (Ge) Z. f. Natforsch. 19b(4):356-357. Ref. Apr.1964. 474 Z3
- 89762 WILLIAMS, R. D. Indolebutyric acid failed to aid black walnut [*Juglans nigra*] seedling development. Ind. Acad. Sci. Proc. 72:108-111. 1962, pub.1963. 500 In2
- 89763 WILMAR, J. C., HILDEBRANDT, A. C., and RIKER, A. J. Iron nutrition for growth and chlorophyll development of some plant tissue cultures. Nature [London] 202(4938):1235-1236. June 20, 1964. 472 N21
- 89764 WITTWER, S. H. Foliar absorption of plant nutrients. Advn. Frontiers Plant Sci. 8:161-182. Ref. 1964. 452.4 V81
- 89765 WOLF, F. T. Influence of day length on the chlorophyll content of wheat seedlings. Phytol [Vicente Lopez] 21(1):91-94. May 1964. 450 P567
- 89766 WOYKE, H. The influence of temperature on imbibition and germination of smooth and wrinkle-seeded varieties of peas, and their susceptibility to frost damage. (Pol) B. Warzywnicy 6:63-68. 1961/62. 80 B54  
English summary.
- 89767 YIN, H. C. Mechanism of photosynthesis. (Ch) Huaxue Tongbao 6/7:1-8. June/July 1963. 385 H863
- 89768 YU, C. J., and YAO, Y. T. Photoperiodic studies on rice. IV. Additional data on the test of the interruption of dark period during the growth stage of a short day rice variety. Acad. Sinica. Inst. Bot. Bot. B. New Ser. 5(1):100-103. Jan.1964. 451 Ac1B
- 89769 ZABALUEV, I. T., and PUSHKARSKAYA, L. G. Dalapon as growth stimulator of cotton. (Rus) Khlopkovodstvo 5:39-41. May 1964. 72.8 K522
- 89770 ZALESKI, A. Effect of density of plant population, photoperiod, temperature and light intensity on inflorescence formation in white clover. Brit. Grassland Soc. J. 19(2):237-247. Ref. June 1964. 60.19 B773
- 89771 ZAROOGIAN, G. E. Purification and physiological studies of a plant regulator produced by *Penicillium thomii* and *Byssosclamyces nivea*. Diss. Abs. 24(12,pt.1):4977-4978. June 1964. 241.8 M58



- 53772 ZARUBAILO, T. YA. Vernalization ability of immature seeds on maternal plants. (Rus) Trudy po Prikl. Bot. Genet. i Selek. 35(2):98-117. Ref. 1963. 451 R92  
English summary.  
Grain and flax.
- 53773 ZHURBITSKII, Z. I. Physiological and agro-technical bases of fertilization. (Pol) Postepy Nauk Roln. 15(5):107-118. 1963. 20.5 P84  
Tests with vegetables in USSR.
- 53774 ZLATEV, G. S. Determination of irrigation conditions of cotton by graphical analysis. (Rus) Khlopkovodstvo 5:50-55. May 1964. 72.8 K522  
Effect on the length of staple, weight of seeds and yields.
- 53775 ZOBERI, M. H. Effect of temperature and humidity on ballistospore discharge. Brit. Mycol. Soc. Trans. 47(1):109-114. Mar. 1964. 451 B76  
Schizophyllum commune and Polyporus brumalis.
- BIOCHEMISTRY**
- 53776 ABUBAKIROV, N. K., and AMANMURADOV, K. Triterpenic glycoside, vaccaroside, from Vaccaria segetalis. (Rus) Zhur. Obshch. Khim. 34(5):1661-1665. May 1964. 385 Z6
- 53777 ADAM, G. Paths in the total synthesis of plant steroids. II. (Ge) Z. f. Chem. 3(11):403-415. Ref. Nov. 1963. 384 Z325
- 53778 AGURELL, S. L., RAMSTAD, E., and ULLSTRUP, A. J. The alkaloids of maize ergot [Claviceps spp.]. Planta Med. 11(4):392-398. Ref. Dec. 1963. 450 P697
- 53779 ARNDT, R. R., and BAARSCHERS, W. H. The alkaloids of Phylla rogersii Pillans. Chem. Soc. J., June 1964:2244-2248. Ref. 382 L84J
- 53780 BADENHUIZEN, N., and others. Isolation of gentiobiose from gentian root. J. Org. Chem. 29(7):2079-2080. Ref. July 1964. 381 J827  
R. J. Bose, S. Kirkwood, B. A. Lewis, and F. Smith, joint authors.  
Gentiana lutea and G. andrewsii.
- 53781 BARLOY, J. Identification of anthocyanins in Orobanche minor Sutt. (Fr) Ann. de Physiol. Veg. 5(2):141-149. Ref. 1963. 451 F8432  
English summary.
- 53782 EL-BASYOUNI, S. Z., and others. The biosynthesis of hydroxybenzoic acids in higher plants. Phytochemistry 3(4):485-492. Ref. July 1964. 450 P5622  
D. Chen, R. K. Ibrahim, A. C. Neish, and G. H. N. Towers, joint authors.
- 53783 BAUERLE, R. H. The metabolism of canavamine in a threonineless mutant of Neurospora crassa. Diss. Abs. 24(12,pt.1):4927. June 1964. 241.8 M58
- 53784 BECKER, W., and PFEIL, E. The preparation of crystallized oxynitrilase from bitter almonds [Prunus comm. Stks.]. (Ge) Naturwissenschaften 51(8):193. Apr. 15, 1964. 474 N213
- 53785 BETTERTON, H. O., and PAPPELIS, A. J. A method for rapid extraction of sugar from corn stalk tissue. Ill. State Acad. Sci. Trans. 57(1):39-41. 1964. 500 IL6
- 53786 BEVERWIJK, A. L. VAN, and others. The identity of Rand's fungus Phyllosticta caryae Peck. (Ge) Planta Med. 11(4):407-409. Dec. 1963. 450 P697  
G. E. Bunschoten, C. A. Salemink, W. H. L. Hackeng, and H. Copier, joint authors.  
English summary.  
Chiefly biochemistry.
- 53787 BIANCHI, E., and others. Study of the components of the leaves and fruits of Cestrum parqui l'Herit: tigogenin, digallogenin, digitogenin, ursolic acid. I. (It) Ann. di Chim. 53(11):1761-1778. Ref. Nov. 1963. 385 An7  
F. Girardi, F. Diaz, R. Sandoval, and M. Gonzales, joint authors.
- 53788 BIRECKA, H., and SEBYLA, T. Metabolism of <sup>14</sup>C-labelled lupanin in white lupine. (Ge) Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl. 4:127-130. 1963. 509 D482
- 53789 BIZEAU, C., and GALZY, P. Balance of oxidation of ethanol by Saccharomyces cerevisiae Hansen. (Fr) Acad. des Sci. Compt. Rend. 258 (21):5280-5282. May 25, 1964. 505 P21
- 53790 BOGER, P. The protein fraction from chloroplasts of one-celled green algae and its relation to chlorophyll. (Ge) Flora [Jena] 154(1):174-211. Ref. Feb. 29, 1964. 450 F66  
Chlorella vulgaris and other spp. for comparison.
- 53791 BOHLMANN, F., and others. Polyacetylene compounds. LIII. Synthesis of natural acetylene compounds from the tribe Anthemideae L. (Ge) Chem. Ber. 97(3):801-808. Mar. 1964. 384 B45  
H. Jastrow, G. Ertingshausen, and D. Kramer, joint authors.
- 53792 BORKOWSKI, B. Simple 3-methyl-4-carboline derivatives; occurrence and analytics. (Ge) Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl. 4:349-364. Ref. 1963. 509 D482  
Plant alkaloids.
- 53793 BROWN, S. A. Biosynthesis of the coumarins. V. Pathways of umbelliferone formation in Hydrangea macrophylla. Photochemistry 3(4):469-476. Ref. July 1964. 450 P5622
- 53794 CALCANDI, V., LUNGEANU, I., and CALCANDI, I. Lanatoside A, principal glycoside in Digitalis grandiflora Mill. leaves. (Ge) Naturwissenschaften 51(10):242-243. May 15, 1964. 474 N213
- 53795 CHANG, S. C., WANG, H. L., and YANG, L. W. Studies on the production of glycerol and arabinol by osmophilic yeasts. IV. Carbohydrate metabolism in osmophilic yeasts. (Ch) Acta Microbiol. Sinica 9(3/4):334-343. Ref. Aug./Nov. 1963. 448.3 Ac83  
English summary.
- 53796 CHISHOLM, M. D., and WETTER, L. R. Biosynthesis of mustard oil glucosides. IV. The administration of methionine-<sup>14</sup>C and related compounds to horseradish [Armoracia lapathifolia]. Canad. J. Biochem. 42(7):1033-1040. Ref. July 1964. 470 C16E
- 53797 COIC, Y., and others. Mineral and organic acid composition of the inflorescence of common callalily (Zantedeschia aethiopica Spreng). (Fr) Ann. de Physiol. Veg. 5(2):167-173. 1963. 451 F8432  
C. Lesaint, J. L. Papin, and M. Grandjean, joint authors.
- 53798 CONSTABEL, F. Tannins from tissue culture of Juniperus communis L. (Ge) Planta Med. 11(4):417-421. Ref. Dec. 1963. 450 P697  
English summary.
- 53799 COSTES, C. Incorporation of <sup>14</sup>CO<sub>2</sub> acetate 2-<sup>14</sup>C and mevalonate 2-<sup>14</sup>C into carotenoids of mature tomato leaves. (Fr) Ann. de Physiol. Veg. 5(2):115-140. Ref. 1963. 451 F8432  
English summary.
- 53800 CRAIGIE, J. S., and MCLACHLAN, J. Glycerol as a photosynthetic product in Dunaliella tertiolecta Butcher. Canad. J. Bot. 42(6):777-778. June 1964. 470 C16C
- 53801 CROCKEN, B. J. Studies on two lecithin-deficient mutants of Neurospora crassa. Diss. Abs. 24(12,pt.1):4960-4961. June 1964. 241.8 M58
- 53802 CROSS, A. D., and others. Substances isolated from plants of the subfamily Wurmbaeioideae and their derivatives. LIV, LVI. Collect. Czechoslovak Chem. Commun. 28(12):3402-3423. Ref. Dec. 1963. 385 C68  
F. Santavy, B. Trivedi, M. Saleh, S. el-Gan-ghi, and A. el-Hamidi, joint authors.  
LIV, Constitution of oxycolchicine; LVI, Further chemical investigation of Colchicum cornigerum (Sweinf.) Tackh. et Drar.
- 53803 DAVIES, D. D., GIOVANELLI, J., and REES, T. A. Plant biochemistry. Philadelphia, Davis Co., 1964. 454 p. Ref. (Botanical Monographs, v. 3) 450 B6583
- 53804 DEBUCH, H. On the fatty acids of Allium porrum. (Ge) Z. f. Natforsch. 19b(4):358. Apr. 1964. 474 Z3

- 89805 DEVLIN, R. M. Oxidative enzymes and pathways of glucose metabolism in *Chlorella pyrenoidosa* (Van Neil's strain). Diss. Abs. 24(12, pt.1):4938. June 1964. 241.8 M58
- 89806 DILLON, T. The laminarans. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:301-305. 1961, pub.1964. 461.4 In8  
From seaweed.
- 89807 DREYER, D. L. A biogenetic proposal for the simaroubaceous bitter principles. *Experientia* 20(6):297-299. Ref. June 15, 1964. 475 Ex7
- 89808 DULANEY, E. L., JONES, C. A., and DULANEY, D. D. Amino acid accumulation, principally alanine, by auxotrophs of *Ustilago maydis*. *Devlpmt. Indus. Microbiol.* 5:242-249. Ref. 1964. 448.3 D49
- 89809 ELZENGA, G. Selection of chemical strains of *Digitalis purpurea* L. (Ge) Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:59-66. 1962, pub. 1964. 90.09 C7616P
- 89810 ERMAKOV, A. I. Biochemical research in cultivated plants at the Vsesovuznyi Institut Rastenievodstva. (Rus) *Trudy po Prikl. Bot. Genet. i Selekt.* 33(2):63-94. 1963. 451 R92  
English summary.
- 89811 ESIPOVA, I. V., and ZAKHAR'YANTS, I. L. Chromatographic analysis of sugars of some overwintering plants of southern Kyzyl-Kum area. (Rus) *Uzbek. Biol. Zhur.* 6:27-32. Ref. 1962. 442.8 Uz1
- 89812 ESSER, K., DICK, S., and GIELEN, W. The phenoloxidases of the ascomycete *Podospora anserina*. II. Purification and properties of laccase. (Ge) *Arch. f. Mikrobiol.* 48(3):306-318. Ref. 1964. 442.8 Ar26  
English summary.
- 89813 EVANS, W. C., and GRIFFIN, W. J. Metabolism of tigloyl esters in the aerial parts of *Datura*. *Phytochemistry* 3(4):503-511. Ref. July 1964. 450 P5622
- 89814 FAYEZ, M. B. E., NEGM, S. A. R., and SHARAF, A. Constituents of local plants. V. The constituents of various parts of the pomegranate plant. *Planta Med.* 11(4):439-443. Ref. Dec. 1963. 450 P697
- 89815 FLOSS, H. G., and MOTHES, U. On the influence of tryptophan and analogous compounds on the biosynthesis of clavine alkaloids in saprophytic culture. (Ge) *Arch. f. Mikrobiol.* 48(3):213-221. Ref. 1964. 442.8 Ar26  
Claviceps strains.
- 89816 FOGARTY, L. M., and REES, W. R. The enzymatic transfer of sulphate to polysaccharides. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:306-311. Ref. 1961, pub. 1964. 461.4 In8  
Includes discussion.
- 89817 FORMISANO, M. Phosphomonoesterase activity in *Torulopsis corallina* (Saito) Cif. et Red. (It) *Naples. U. Facol. di Sci. Agr. Ann. (ser.3)* 29:141-146. Ref. 1963/64. 105.4 P83  
English summary.
- 89818 FREDRICK, J. F. Polyacrylamide gel studies of the isozymes involved in polyglucoside-synthesis in the algae. *Phyton* [Vicente Lopez] 21(1):85-89. Ref. May 1964. 450 P567
- 89819 FREEMAN, K. B. Some observations on ribonucleases from ryegrass. *Canad. J. Biochem.* 42(7):1099-1109. Ref. July 1964. 470 C16E
- 89820 FUCIK, V., MICHAELIS, A., and RIEGER, R. Different effects of BUDR [5-bromodeoxyuridine] on the induction of chromatid aberrations by means of TEM [triethylenemelamine] and maleic hydrazide. *Biochem. & Biophys. Res. Commun.* 13(5):366-371. Ref. Oct. 29, 1963. 442.8 B5236  
*Vicia faba*.
- 89821 FUJIWARA, T. Sugar components of phycoerythrin in *Porphyra tenera*. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:312-318. Ref. 1961, pub. 1964. 461.4 In8
- 89822 GERRANS, G. C., and HARLEY-MASON, J. The alkaloids of *Virgilia oroboides*. *Chem. Soc. J.*, June 1964:2202-2206. Ref. 382 L84J
- 89823 GIGLIOTTI, H. J., and LEVENBERG, B. Studies on the  $\gamma$ -glutamyltransferase of *Agaricus bisporus*. *J. Biol. Chem.* 239(7):2274-2284. July 1964. 381 J824
- 89824 GIRAUD, G. Fluorescence in vivo of some marine algae. (Fr) Internatl. Symp. Seaweed Res. Proc., 4th Symp.:326-330. Ref. 1961, pub. 1964. 461.4 In8  
Presence of chlorophyll a.
- 89825 GOMBKOTO, G. Study of the color of red wine producing grape varieties; pigments of the "Kekfrankos" variety. (Hu) *Kerteszeti es Szoleszeti Foisik. Evkon.* 2(1):173-187. Ref. 1963. 80 B85  
German summary.
- 89826 GONZALEZ, A. G., and DIAZ RODRIGUEA, F. Alkaloids in plants of the Canary Islands. VII. *Nicotiana glauca* and *Nicotiana paniculata*. 14 p. *Transl.* 13380  
Translation from Sociedad Espanola de Fisica y Quimica. *Anales. Series B: Quimica* 58:431-436. 1962.
- 89827 GOTTLIEB, D., and ETTEEN, J. L. VAN. Biochemical changes during the growth of fungi. I. Nitrogen compounds and carbohydrate changes in *Penicillium atrovirens*. *J. Bact.* 88(1):114-121. Ref. July 1964. 448.3 J82
- 89828 GRIGOROV, I., DECHEV, G., and SLAVOVA-PETRUNOVA, S. The relationship between the redoxpotential and the formation of the enzyme amylase in a surface cultivation of *Asp. oryzae*. (Bu) *Bulgar. Akad. na Nauk. Inst. po Biol.* "Metodii Popov." *Izv.* 13:197-202. 1963. 442.9 B87  
English summary.
- 89829 GROGER, D., and SIMON, H. On the biogenesis of harman alkaloids. (Ge) *Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl.* 4:343-348. 1963. 509 D482  
From *Rauwolfia* and *Peganum harmala*.
- 89830 GROGER, D. The present status of research on the biosynthesis of ergot alkaloids. (Ge) *Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl.* 4:305-308. Ref. 1963. 509 D482
- 89831 GROGER, D. The transformation of elymoclavine in *Ipomoea* [rubro-caerulea] leaves. (Ge) *Planta Med.* 11(4):444-449. Ref. Dec. 1963. 450 P697  
English summary.
- 89832 HAGEMAN, R. H. Corn's enzyme sets pace for yield. *Crops & Soils* 16(8):13-14. June/July 1964. 6 W55  
Nitrate reductase.
- 89833 HAIGH, W. G. Glyoxylate cycle enzymes and the metabolism of acetate by algae. Diss. Abs. 24(12, pt.1):4962. June 1964. 241.8 M58
- 89834 HAPONENKA, V. I. Quantitative relationship between chlorophylls and photosynthesis. (Be) *Minsk. Belaruskaya Akad. Navuk. Vestsi. Ser. Biyal. Navuk* 4:28-33. Ref. 1963. 442.8 M66  
Russian summary.  
In phytoplankton and leaves.
- 89835 HAUG, A., and LARSEN, B. Studies on the composition and properties of alginates. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:331-337. Ref. 1961, pub. 1964. 461.4 In8  
Includes discussion.
- 89836 HESS, C. E. Characterization of the rooting cofactors extracted from *Hedera helix* L. and *Hibiscus rosa-sinensis* L. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:382-388. 1962, pub. 1964. 90.09 C7616P  
Includes discussion.
- 89837 HOFFMANN, P. Chlorophyll formation in wheat seedlings under the influence of gibberellic acid and humic acid. (Ge) *Deut. Bot. Gesell. Ber.* 77(4):124-133. Ref. 1964. 451 D48
- 89838 HOFMANN, A. The active principles of the seeds of *Rivea corymbosa* and *Ipomoea violacea*. *Harvard U. Mus. L.* 20(6):194-212. Ref. Nov. 22, 1963. 451 H262
- 89839 HOFMANN, E., and GUNZEL, G. The distribution and activity of some carbohydrases, particularly sucrose, in germinating seeds. (Ge) *Z. f. Acker- u. Pflanzenbau* 119(4):309-322. Ref. June 1964. 18 J825  
English summary.



- 83840 HOLUB, M., and others. On terpenes. CLIX. Isolation of a guaianolide from *Laser trilobum* L. Borkh. root. Collect. Czechoslovak Chem. Commun. 29(4):938-942. Apr. 1964. 385 C68  
D. P. Pova, V. Herout, and F. Sorm, joint authors.  
Synonym for *Siler trilobum*.
- 83841 HONSELL, E. Contribution to the interpretation of the accumulation of fluorescein in the living protoplasts of plant cells on the basis of cytospectrofluorometric studies. (It) *Delphinioa* (n.s.):317-335. Ref. 1961, pub. 1962. 451 N16  
English summary.
- 83842 HORHAMMER, L., WAGNER, H., and BITTNER, G. Aloinoside B, a new glycoside from *Aloe*. (Ge) *Z. f. Natforsch.* 19b(3):222-226. Ref. Mar. 1964. 474 Z3
- 83843 HSU, J., and KUZOVKOV, A. D. Alkaloids from the *Leontice ewersmannii* Bge. 6. (Rus) *Zhur. Obshch. Khim.* 34(5):1669-1672. May 1964. 385 Z6
- 83844 HUBACEK, J., and TROJNA, M. Paper chromatography of the flavonol-glycosides of hops (*Humulus lupulus* L.). (Ge) Collect. Czechoslovak Chem. Commun. 29(5):1259-1265. Ref. May 1964. 385 C68
- 83845 HUMPHREY, G. F. Chlorophyll and in cultures of marine algae. *Austral. J. Mar. & Freshwater Res.* 14(2):148-154. Dec. 1963. 442.8 Au73
- 83846 ILJIN, G. S. Biosynthesis of tobacco alkaloids. (Ge) *Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl.* 4:93-98. 1963. 509 D482  
Includes discussion.
- 83847 INTERNATIONAL SYMPOSIUM ON THE CHEMISTRY OF NATURAL PRODUCTS, KYOTO, 1964. Abstracts of Papers. Kyoto, 1964. 304 p. 385 In823A  
Chiefly plant biochemistry.
- 83848 ISTATKOV, S. Influence of gibberellic acid on some biochemical processes in the maize plant. (Bu) *Bulgar. Akad. na Nauk. Inst. po Biol. "Metodii Popov."* *Izv.* 13:121-131. Ref. 1963. 442.9 B87  
English summary.
- 83849 JANSEN, E. F. Metabolism of labeled ethylene in the avocado. II. *J. Biol. Chem.* 239(5):1664-1667. May 1964. 381 J824
- 83850 JENSEN, A. Ascorbic acid in *Ascophyllum nodosum*, *Fucus serratus* and *Fucus vesiculosus*. *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.:319-325. 1961, pub. 1964. 461.4 In8  
Includes discussion.
- 83851 JINDRA, A., and CIHAK, A. Biosynthesis of alkaloids. 5. On the vegetable atropine esterase. (Ge) *Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl.* 4:201-206. Ref. 1963. 509 D482  
From *Datura stramonium*.
- 83852 JINDRA, A., SIPAL, Z., and HUDECIOVA, V. Biosynthesis of alkaloids; on the occurrence of keto acids in *Papaver somniferum* L. plants. *Experientia* 20(7):371-372. Ref. July 15, 1964. 475 Ex7
- 83853 KACZKOWSKI, J., SCHUTTE, H. R., and MOTHES, K. The role of acetate in the biosynthesis of tropane alkaloids. (Ge) *Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl.* 4:197-200. 1963. 509 D482  
In *Datura metel*.
- 83854 KESSEN, G., and AMELUNXEN, F. The ribosomes of *Pisum sativum*, I. Amino acid analysis of the structural proteins of ribosomes according to their gel filtration with sephadex. (Ge) *Z. f. Natforsch.* 19b(4):346-352. Ref. Apr. 1964. 474 Z3
- 83855 KLEINSCHMIDT, G. The present status of research on the biosynthesis and physiology of the alkaloids in the poppy (*Papaver somniferum* L.). (Ge) *Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl.* 4:265-271. 1963. 509 D482  
Includes discussion.
- 83856 KOBEL, H., SCHREIER, E., and RUTSCHMANN, J. 6-Methyl-8,9-ergole-8-carbonic acid, a new ergolene derivative from cultures of a strain of *Claviceps paspali* Stevens et Hall; 60th report on ergot alkaloids. (Ge) *Helvet. Chim. Acta* 47(4):1052-1064. Ref. 1964. 385 H36
- 83857 KONCZAL, W., and MALEK, B. Quantitative determination of alkaloids in the drug and in preparations from the root of *Chelidonium majus* L. by the use of perchloric acid in nonaqueous medium. (Pol) *Poznan. Inst. Przem. Zielarskiego. B.* 8(4):145-150. Dec. 1962. 451 P87  
English summary.
- 83858 KORN, E. D. The fatty acids of *Euglena gracilis*. *J. Lipid Res.* 5(3):352-362. Ref. July 1964. 381 J8282
- 83859 KRAMNEVA, L. S., and VECHAR, A. S. Methods of accumulation and mechanism of formation of riboflavin in *Eremothecium ashbyii*. (Be) *Minsk. Belaruskaya Akad. Navuk. Vestsi. Ser. Biyal. Navuk* 4:54-63. Ref. 1963. 442.8 M66  
Russian summary.
- 83860 KUMAR, H. D. Pigment characteristics of antibiotic-resistant strains of a blue-green alga. *Cur. Sci.* 33(9):281-282. May 5, 1964. 475 Sci23  
*Anacystis nidulans*.
- 83861 LADESIC, B., and TSO, T. C. Biochemical studies on tobacco alkaloids. VI. Biosynthesis of nicotine through normicotine. *Phytochemistry* 3(4):541-545. July 1964. 450 P5622
- 83862 LAIDMAN, D. L. The metabolism of 3-dimethylallyl-2,5,6-trimethyl-1,4-benzoquinone and 2,2',7,8-pentamethylchroman-6-ol by germinating wheat seedlings. *Biochem. J.* 91(3):31C-32C. June 1964. 382 B52
- 83863 LARSEN, B., and HAUG, A. Polysaccharides occurring in the sodium carbonate extract of *Ascophyllum nodosum*. *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.:338-343. 1961, pub. 1964. 461.4 In8
- 83864 LAUR-HENRY, M. H. Modalities of the application of gas chromatography to the study of the fatty acids of Rhodophyceae. (Fr) *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.:344-347. 1961, pub. 1964. 461.4 In8
- 83865 LEVENBERG, B. Isolation and structure of agaritine, a  $\gamma$ -glutamyl-substituted arylhydrazine derivative from *Agaricaceae*. *J. Biol. Chem.* 239(7):2267-2273. Ref. July 1964. 381 J824
- 83866 LEWIS, D. E. J. Studies on the proteins, peptides and free amino acid contents in some species of marine algae from southeastern coast of India. *Rev. Algologie (n.s.)* 7(1):15-25. Ref. Nov. 1963. 450 R3212
- 83867 LI, C. C. Isolation and purification of a ribonuclease from wheat sprout. *Acad. Sinica. Inst. Bot. Bot. B. New Ser.* 5(1):63-74. Ref. Jan. 1964. 451 Ac1B
- 83868 LOGINOVA, L. C., and VERKHOVTSEVA, M. I. Aminophosphatase activity in thermotolerant yeasts. (Rus) *Mikrobiologiya* 33(1):38-41. Jan./Feb. 1964. 448.3 M582  
English summary.
- 83869 LORENZO-ANDREU, A., BACH, B., and FRANDSEN, K. J. Studies on the variation in content and production of nitrogen and some essential amino acids in forage plants. III. Determinations of lysine, histidine and arginine in plant material. *Acta Agr. Scand.* 14(1):77-86. 1964. 11 Ac82
- 83870 LOWRY, O. H., and PASSONNEAU, J. V. A comparison of the kinetic properties of phosphofructokinase from bacterial, plant and animal sources. *Naunyn-Schmiedeberg's Arch. f. Expt. Path. u. Pharmacol.* 248(2):185-194. Ref. 1964. 448.8 Ar2  
Parsley, avocados.
- 83871 LUCAS, R. A., SMITH, R. G., and DORFMAN, L. The isolation of dihydromexicanin E. from *Helenium autumnale* L. *J. Org. Chem.* 29(7):2101. July 1964. 381 J827

- 89872 MACEK, K. On the contribution of paper chromatography in tracing the synthesis of reserpine. (Ge) Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl. 4:423-427. 1963. 509 D482  
In plants.
- 89873 MAKARA, GY. The poisons in mushrooms. (Hu) Buvar 9(3):161-163. May/June 1964. 410 B98
- 89874 MANNERS, D. J. Carbohydrases in marine algae. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:348-351. 1961, pub. 1964. 461.4 In8
- 89875 MARTIN, G. C., and WILLIAMS, M. W. Quantitative phloridzin analysis. Analyt. Biochem. 8(2):257-260. June 1964. 281 An13  
In plants.
- 89876 MASSONI, R. The rheological behavior of alkaline alginates and alkaline earth. (Fr) Internatl. Symp. Seaweed Res. Proc., 4th Symp.:420-427. 1961, pub. 1964. 461.4 In8
- 89877 MATSUZAKI, K. Nucleotide composition of high molecular weight RNA of mulberry leaves. (Ja) Sansi-Kenkyu 48:1-4. Oct. 1963. 425.9 J273S  
English summary.
- 89878 MATSUZAKI, K. On the isolation of ribonucleic acid from mulberry leaves. (Ja) Sansi-Kenkyu 45:1-5. Jan. 1963. 425.9 J273S  
English summary.
- 89879 MEDVEDEV, ZH. A. Modern theories of protein synthesis in plants. 18 p. Ref. Transl. 13984  
Translation from Timiryazevskaya Sel'skokhozyaistvennaya Akademiya. Izvestiya. Biologiya 2(27):57-74. 1959.
- 89880 MERKER, J., and PYRIKI, C. Some factors which determine the amount of the alkaloid content in *Nicotiana tabacum* L. (Ge) Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl. 4:81-91. Ref. 1963. 509 D482  
English summary.  
Includes discussion.
- 89881 MESQUITA, J. F. On the behavior of heterochromatin in *Anthoxanthum aristatum* Boiss. (Por) Soc. Broteriana. B. (ser.2)37:91-110. 1963. 451 C66
- 89882 MIDDLETON, K. R. Spectrophotometric determination of iron and aluminium in leaves of the rubber tree (*Hevea brasiliensis*). Analyst 89(1059):421-427. June 1964. 382 An1
- 89883 MOKRY, J., and KOMPIS, I. ( )-Ind-n-methylquebrachamine, the fourth racemic alkaloid from *Vinca minor* L. (Cz) Chem. Zvesti 17(12):852-860. Ref. 1963. 385 C4232  
English summary.
- 89884 MORTON, R. K., RAISON, J. K., and SMEATON, J. R. Enzymes and ribonucleic acid associated with the incorporation of amino acids into proteins of wheat endosperm. Biochem. J. 91(3):539-546. Ref. June 1964. 382 B52
- 89885 MORTON, R. K., PALK, B. A., and RAISON, J. K. Intracellular components associated with protein synthesis in developing wheat endosperm. Biochem. J. 91(3):522-528. Ref. June 1964. 382 B52
- 89886 MORTON, R. K., and RAISON, J. K. The separate incorporation of amino acids into storage and soluble proteins catalysed by two independent systems isolated from developing wheat endosperm. Biochem. J. 91(3):528-539. Ref. June 1964. 382 B52
- 89887 MOWAT, J. A. Auxins and gibberellins in marine algae. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:352-359. 1961, pub. 1964. 461.4 In8
- 89888 MUMFORD, F. E., SMITH, D. H., and HEYTLER, P. G. The effect of red light on the flavonoid composition of etiolated pea plumules. Biochem. J. 91(3):517-522. Ref. June 1964. 382 B52
- 89889 NAGARAJAN, M., and PANDALAI, K. M. Studies on the enzyme activity in the haustorium of the germinating coconut. I. Preliminary paper. Indian Coconut J. 17(1):25-34. Ref. Oct./Dec. 1963. 77.8 In2
- 89890 NAIR, P. M., and VAIDYANATHAN, C. S. Anthranilic acid oxidase system of *Tecoma stans*. II. Phytochemistry 3(4):513-523. Ref. July 1964. 450 P5622
- 89891 NEUBAUER, D., and MOTHES, K. Papaver bracteatum. I. A new method for obtaining morphine from the raw plant material. (Ge) Planta Med. 11(4):387-391. Ref. Dec. 1963. 450 P697  
English summary.
- 89892 NICHOLAS, D. J. D., and WILSON, P. J. A dissimilatory nitrate reductase from *Neurospora crassa*. Biochim. et Biophys. Acta 86(3):466-476. Ref. June 8, 1964. 381 B522
- 89893 NIGAM, S. K., MITRA, C. R., and KAUL, K. N. Chemical examination of *Cosmos bipinnatus* seed. Indian J. Appl. Chem. 26(5/6):174-175. 1963. 385 In293
- 89894 O'BRIEN, J. S., and BENSON, A. A. Isolation and fatty acid composition of the plant sulfolipid and galactolipids. J. Lipid Res. 5(3):432-436. Ref. July 1964. 381 J8282  
*Chlorella pyrenoidosa*.
- 89895 OHASHI, M., and others. The structures of five new Aspidosperma alkaloids related to uleine. Experientia 20(7):363-364. Ref. July 15, 1964. 475 Ex7  
J. A. Joule, B. Gilbert, and C. Djerassi, joint authors.
- 89896 OHNISHI, T. Change in the volume of chloroplasts, accompanied by photophosphorylation, and the proteins resembling actine and myosin extracted from chloroplasts. (Fr) J. Biochem. 55(5):494-503. Ref. May 1964. 385 J822
- 89897 OREL, L. I. Histochemical studies of gynoecium and pollen formation in tomatoes. (Rus) Trudy po Prikl. Bot. Genet. i Selek. 35(2):151-157. Ref. 1963. 451 R92  
English summary.
- 89898 OUDTSHOORN, M. C. B. VAN R. VAN. Distribution of phenolic compounds in some South African Proteaceae. A contribution to the chemotaxonomy of the family. Planta Med. 11(4):399-406. Ref. Dec. 1963. 450 P697
- 89899 PARTHIER, B. Protein synthesis in green leaves. I. Protein synthesis in various subcellular fractions after  $^{14}\text{CO}_2$ -photosynthesis. (Ge) Z. f. Natforsch. 19b(3):235-248. Ref. Mar. 1964. 474 Z3  
English summary.  
*Nicotiana rustica*.
- 89900 PARTHIER, B. Protein synthesis in green leaves. II. Amino acid incorporation in the proteins of subcellular structures in relation to the physiological condition of the leaves (leaf age). (Ge) Flora [Jena] 154(1):230-244. Ref. Feb. 29, 1964. 450 F66  
English summary.  
*Nicotiana rustica* and *N. tabacum*.
- 89901 PEGUY, M. Some tests on the separation of brominated phenolic extracts by paper chromatography from certain Rhodamelaceae. (Fr) Internatl. Symp. Seaweed Res. Proc., 4th Symp.:366-369. 1961, pub. 1964. 461.4 In8
- 89902 PERCIVAL, E. Algal polysaccharides and their biological relationships. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:18-35. Ref. 1961, pub. 1964. 461.4 In8
- 89903 PERCIVAL, E. Polysaccharides of the green seaweeds, *Ulva lactuca* and *Enteromorpha compressa*. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:360-365. Ref. 1961, pub. 1964. 461.4 In8
- 89904 PERINI, F. Physico-chemical characteristics and cellular localization of cytochromes in *Euglena*. Diss. Abs. 24(12, pt. 1):4969. June 1964. 241.8 M58
- 89905 POPOV, K., and EDEL'MAN, D. On the distribution of  $\text{C}^{14}$  and its incorporation into fructose polymers after photosynthesis by *Helianthus tuberosus* L. (Bu) Bulgar. Akad. na Nauk. Inst. po Biol. "Metodii Popov." Izv. 13:37-61. Ref. 1963. 442.9 B87  
English summary.
- 89906 POTAPOV, N. G., and SALAMATOVA, T. S. The amount of mitochondria in the cells of the growing zones of lupine root. Acta Biol. 14(2):155-160. Ref. 1963. 475 Ac85



- 89907 POWELL, J. H., and MEEUSE, B. J. D. Laminarin in some Phaeophyta of the Pacific Coast. *Econ. Bot.* 18(2):164-166. Apr./June 1964. 450 Ec7  
Includes British Columbia.
- 89908 PRIDHAM, J. B. The phenol glucosylation reaction in the plant kingdom. *Phytochemistry* 3(4):493-497. Ref. July 1964. 450 P5622
- 89909 QUILLET, M. On the presence of chitin in the skeletal membranes of two species of brown algae: *Dictyota dichotoma* (Lamour) and *Dilophus spiralis* (Mont.). (Fr) *Acad. des Sci. Compt. Rend.* 258(12):3349-3351. Mar. 23, 1964. 505 P21
- 89910 REIFER, I. Biosynthesis of the alkaloids of *Lupinus angustifolius*. (Ge) *Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl.* 4: 121-126. 1963. 509 D482  
Includes discussion.
- 89911 REINERS, W. Coumarin and hydroxycinnamic acid from licorice root. (Ge) *Naturwissenschaften* 51(8):193. Apr. 15, 1964. 474 N213
- 89912 REUTER, G. Biochemistry and physiology of galegine in *Galega officinalis* L. IV. (Ge) *Flora [Jena]* 154(1):136-157. Ref. Feb. 29, 1964. 450 F66  
English summary.
- 89913 ROMEIKE, A. The participation of the shoot in the formation of the alkaloid spectrum. III. Demethylation of hyoscyamine in the above ground organs of various *Datura* species. (Ge) *Flora [Jena]* 154(1):163-173. Ref. Feb. 29, 1964. 450 F66  
English summary.
- 89914 ROMEIKE, A. Secondary change of hyoscyamine in the shoot of *Datura* species. (Ge) *Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl.* 4:179-185. 1963. 509 D482  
Includes discussion.
- 89915 RYBICKA, H. Experiments on the transformation possibilities of alkaloids in isolated roots of *Lupinus albus*. (Ge) *Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl.* 4:131-132. 1963. 509 D482
- 89916 SANTAVY, F. Rhoeadine, most widespread alkaloid of the genus *Papaver* L.; its constitution and biogenetical meaning. (Ge) *Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl.* 4:235-245. Ref. 1963. 509 D482
- 89917 SCHERBAKOVA, E. YA. Characteristics of biochemically active *Aspergillus niger* variants produced through ultraviolet irradiation. (Rus) *Mikrobiologiya* 33(1):49-55. Jan./Feb. 1964. 448.3 M582  
English summary.
- 89918 SCHREIBER, K., and RONSCH, H. Newer investigations on the chemistry and biochemistry of alkaloids of *Solanum dulcamara* L. (Ge) *Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl.* 4:395-407. Ref. 1963. 509 D482  
Includes discussion.
- 89919 SCHREIBER, K., and ADAM, G. *Solanum* alkaloids. XXXIX-XL. (Ge) *Tetrahedron* 20(7): 1707-1723. Ref. July 1964. 382 T29
- 89920 SCHROTER, H. B. Investigations on biosynthesis of pyridine alkaloids. (Ge) *Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl.* 4: 99-102. Ref. 1963. 509 D482  
Tobacco.  
Includes discussion.
- 89921 SCHUTTE, H. R. On the biosynthesis of lupine alkaloids. (Ge) *Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl.* 4:133-138. 1963. 509 D482
- 89922 SEARLES, R. B., and FRENCH, R. C. Conversion of furfural and cinnamaldehyde by uredospores of wheat stem rust [*Puccinia graminis tritici*] and associated bacteria. *Bot. Gaz.* 125(2):146-148. June 1964. 450 B652
- 89923 SEN, P. K., GUHA, D., and SEN, S. Occurrence of free amino acids and amides in shoots of mango (*Mangifera indica* L.). *Indian Agr.* 7(1/2):193-195. Jan./July 1963. 22 In294
- 89924 SENGUPTA, P., and GHOSH, S. Chemical examination of *Breynia rhamnoides*. *Indian J. Chem.* 2(2):83. Feb. 1964. 385 In294
- 89925 SESTAK, Z., and BASLEROVA, M. Changes in chlorophylls and carotenoids in ageing cultures of green algae as studied by paper chromatography. In *Japanese Society of Plant Physiologists. Studies on microalgae and photosynthetic bacteria*, p.423-429. Ref. 1963. 448.2 J27
- 89926 SGARBIERI, V., and others. *Ficus* enzymes. I-II. *J. Biol. Chem.* 239(7):2170-2183. Ref. July 1964. 381 J824  
S. M. Gupte, D. E. Kramer, and J. R. Whitaker, joint authors.  
Proteolytic enzymes of *Ficus carica* and *F. glabrata* latices.
- 89927 SHARMA, R. C., ZAMAN, A., and KIDWAI, A. R. Chemical examination of *Prosopis spici-gera* Linn. *Indian J. Chem.* 2(2):83-84. Feb. 1964. 385 In294
- 89928 SHIBUYA, I., YAGI, T., and BENSON, A. A. Sulfonic acids in algae. In *Japanese Society of Plant Physiologists. Studies on microalgae and photosynthetic bacteria*, p.627-636. Ref. 1963. 448.2 J27
- 89929 SHKOL'NIK, R. YA., and DOMAN, N. G. Transformation of phosphoglyceric acid-C in bean and sugar beet leaves. (Rus) *Fiziol. Rast.* 10(3):295-299. Ref. May/June 1963. 450 F58  
English summary.
- 89930 SHLYK, A. A., and others. Investigation of biosynthetic interrelations between chlorophyll a and b in *Chlorella*. (Rus) *Fiziol. Rast.* 10(3): 275-287. Ref. May/June 1963. 450 F58  
S. A. Mikhailova, V. I. Gaponenko, and T. V. Kukhtenko, joint authors.  
English summary.
- 89931 SINGH, H., and LANE, B. G. The alkali-stable dinucleotide sequences in 18S + 28S ribonucleates from wheat germ. *Canad. J. Biochem.* 42(7):1011-1021. Ref. July 1964. 470 C16E
- 89932 SLAVIK, J. Alkaloids of *Papaveraceae*. XXVI. (Ge) *Collect. Czechoslovak Chem. Commun.* 29(5):1314-1318. May 1964. 385 C68
- 89933 SOKOLOV, W. S., and ALEXANDROWA, A. W. *Scopolia tangutica* Maxim.—a new valuable alkaloid containing plant. (Ge) *Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl.* 4: 159-165. 1963. 509 D482  
Includes discussion.
- 89934 SPARATORE, F. Isolation of the gramine from seeds of *Lupinus luteus*. (It) *Ann. di Chim.* 54(3/4):246-250. Mar./Apr. 1964. 385 An7  
English summary.
- 89935 SPENCER, D., and WILDMAN, S. G. The incorporation of amino acids into protein by cell-free extracts from tobacco leaves. *Biochemistry* 7(3):954-959. Ref. July 1964. 381 B523
- 89936 STAUFFACHER, D. On buxamin, nor-buxamin and buxaminol, new alkaloids from *Buxus sempervirens* L. (Ge) *Helvet. Chim. Acta* 47(4): 968-981. 1964. 385 H36
- 89937 SUZUKI, Y. Presence of phenoloxidase and absence of amine oxidase in *Datura tatula* L. *Phyton [Vicente Lopez]* 21(1):7-10. Ref. May 1964. 450 P567
- 89938 TABER, W. A. Sequential formation and accumulation of primary and secondary shunt metabolic products in *Claviceps purpurea*. *Appl. Microbiol.* 12(4):321-326. Ref. July 1964. 448.3 Ap5
- 89939 TALLENT, W. H. Two new antibiotic cyclopentanoid monoterpenes of plant origin. *Tetrahedron* 20(7):1781-1787. July 1964. 382 T29  
Isolated from *Genipa americana*.
- 89940 TAVERNA, G. The activity of juglone in the metabolism of *Juglandaceae*. II. (It) *Naples. U. Facol. di Sci. Agr. Ann. (ser.3)* 29:379-388. Ref. 1963/64. 105.4 P83  
English summary.
- 89941 THIEME, H. Isolation of a new phenolglycoside from *Salix viminalis* L. (Ge) *Naturwissenschaften* 51(9):217. May 1, 1964. 474 N213
- 89942 TIKHOMIROVA, A. S., and KULIKOVA, A. K. On the nature of glucose-inhibition on induced amylase synthesis in *Aspergillus oryzae*. (Rus) *Mikrobiologiya* 33(1):7-12. Jan./Feb. 1964. 448.3 M582  
English summary.

- 89943 TODD, G. W., and YOO, B. Y. Enzymatic changes in detached wheat leaves as affected by water stress. *Phyton* [Vicente Lopez] 21(1): 61-68. Ref. May 1964. 450 P567
- 89944 TOMKO, J., and others. Alkaloids from *Veratrum album* L. subsp. *lobelianum* (Bernh.) Suessenguth. (Ge) *Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl.* 4:409-415. Ref. 1963. 509 D482  
I. Bendik, S. Bauer, and J. Mokry, joint authors.  
Includes discussion.
- 89945 TRIVEDI, B., and SANTAVY, F. Alkaloids of the plant *Senecio subalpinus* Koch. *Collect. Czechoslovak Chem. Commun.* 28(12):3455. Dec.1963. 385 C68
- 89946 TROYER, J. R. Leucoanthocyanin formation in buckwheat seedling hypocotyls. *Phytochemistry* 3(4):535-539. Ref. July 1964. 450 P5622
- 89947 TRUPIN, J. S. Lysine biosynthesis in *Neurospora crassa*. *Diss. Abs.* 24(12,pt.1):4973-4974. June 1964. 241.8 M58
- 89948 TSCHESCHE, R., and LILIENWEISS, G. Cardenolide biosynthesis from pregnenolone-glycoside. (Ge) *Z. f. Natforsch.* 19b(3):265-266. Mar.1964. 474 Z3  
*Digitalis lanata*.
- 89949 TUNIS, M. Agglutinins of the red kidney bean (*Phaseolus vulgaris*): a new cytoagglutinin distinct from hemagglutinin. *J. Immunol.* 92(6): 864-869. Ref. June 1964. 448.8 J8232
- 89950 TURNER, F. A. Biosynthesis of scopolamine. *Diss. Abs.* 24(12,pt.1):4974. June 1964. 241.8 M58  
In *Datura stramonium*.
- 89951 TURVEY, J. R., and WILLIAMS, T. P. Sugar sulphates from the mucilage of *Porphyra umbilicalis*. *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.:370-373. 1961, pub.1964. 461.4 In8
- 89952 VENKATARAMAN, S., and SREENIVASAN, A. Formate oxidation in *Saccharomyces cerevisiae*. *Experientia* 20(7):370-371. July 15,1964. 475 Ex7
- 89953 VERMA, J. P. Studies in the enzyme make-up of *Alternaria*. III. Phosphorylase activity. *Natl. Inst. Sci. India. Proc.* 29(3,pt.B):317-325. Ref. June 26,1963. 513 N212
- 89954 VIOLANTE, P. The climate and oil plants; biochemistry of the European olive. I-II. (It) *Naples. U. Facol. di Sci. Agr. Ann. (ser.3)* 29: 119-140,153-166. Ref. 1963/64. 105.4 P83  
English summary.
- 89955 VOIGHT, R., and WEISS, F. Clavine alkaloids in the metabolism of rye ergot. (Ge) *Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl.* 4:323-329. Ref. 1963. 509 D482  
Includes discussion.
- 89956 WAGNER, H., and WOLFF, P. Isolation and analysis of plant phosphatides and sphingolipides. (Ge) *Fette, Seifen, Anstrichmtl.* 66(6): 425-429. Ref. June 1964. 384 C422  
English summary.
- 89957 WEYGAND, F., and others. On the biosynthesis of ergot alkaloids; comparison of two possible intermediate products. (Ge) *Z. f. Natforsch.* 19b(3):202-210. Ref. Mar.1964. 474 Z3  
H. G. Floss, U. Mothes, D. Groger, and K. Mothes, joint authors.
- 89958 WHITMORE, F. W., and ZAHNER, R. Indole-acetic acid synthesis by polyphenols in the extraction of *Pinus phloem* and cambial tissue. *Science* 145(3628):166-167. July 10,1964. 470 Sci2
- 89959 WIEWIORSKI, M. The structure and the steric relations in the molecule of angustifoline and the alkaloid "W-102." (Ge) *Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl.* 4:145-148. 1963. 509 D482  
From lupine.
- 89960 YUSUPOV, M. K., and SADYKOV, A. S. Alkaloids K-3 and K-4 as derivatives of colchicine acid. (Rus) *Zhur. Obshch. Khim.* 34(5):1677-1680. May 1964. 385 Z6  
From *Colchicum kesselringii*.
- 89961 YUSUPOV, M. K., and SADYKOV, A. S. New alkaloids from the *Colchicum kesselringii* Rgl. (Rus) *Zhur. Obshch. Khim.* 34(5):1672-1676. May 1964. 385 Z6
- 89962 ZAHNLEY, J. C. The metabolism of D-ribose and D-xylulose in higher plants. *Diss. Abs.* 24(12,pt.1):4977. June 1964. 241.8 M58
- 89963 ZIEGLER, H., LUTTGE, U., and LUTTGE, U. The water soluble vitamins in nectar. (Ge) *Flora* [Jena] 154(1):215-229. Ref. Feb.29, 1964. 450 F66

## FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

## General

- 89964 BONN. UNIVERSITÄT. LANDWIRTSCHAFTLICHE FAKULTÄT. Beiträge zu Fragen des Pflanzenbaues; festschrift zum 70. Geburtstag von Professor Dr. Dr. h. c. E. Klapp [Contributions to problems of plant culture; anniversary publication on the 70th birthday of Professor Dr. E. Klapp]. *Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn* 10,306 p. Ref. Feb.1964. 18 F777
- 89965 CAMBRIDGE UNIVERSITY. SCHOOL OF AGRICULTURE. PLANT BREEDING INSTITUTE. Annual report, 1962-63. Cambridge, 1964. 106 p. 451 C142  
Field crops.
- 89966 CHAO, K. H., and WANG, M. T. A discussion of the cultivation system of agricultural crops on the plain north of the Huai River. (Ch) *Chung Kuo Nung Pao* 5:11-17. May 1963. 22.5 C473
- 89967 CH'EN, C. C. The expansion of seed breeding work of Nan-ch'eng Hsien. (Ch) *Chung Kuo Nung Pao* 5:24-27. May 1963. 22.5 C473  
Field crops.
- 89968 CHI-CHU CHUAN CH'U. NUNG YEH K'O HSUEH YEN CHIU SO. A survey of the increased experience in the mixed planting of wheat and peas or lentils in the Lu-hsi Nan-hu area. (Ch) *Chung Kuo Nung Pao* 4:31-36. Apr.1963. 22.5 C473
- 89969 CROP QUALITY COUNCIL. 1962 extension conference report, November 13-14, 1962, Minneapolis. Minneapolis, 1963? 81 p., map. 464.9 N813
- 89970 CROP QUALITY COUNCIL. 1963 extension conference report, November 12-13, 1963, Fargo, North Dakota. Minneapolis, 1964? 79 p., map. 464.9 N813
- 89971 EICHELBAUM, H. Harvesting and transportation of winter catch crops. (Ge) *Wiss.-Tech. Fortschr. f. die Landwirt.* 5(4):183-185. Apr. 1964. 18 W763  
East Germany.
- 89972 FLORENCE. ISTITUTO AGRONOMO PER L'OLTREMARE. Report for 1963, by A. Maugini. (It) *Riv. di Agr. Subtrop. e Trop.* 58(1/3): 119-129. Jan./Mar.1964. 26 Ag82
- 89973 GIBSON, J. The Peace Corps—a challenge to agronomic education. *Amer. Soc. Agron. ASA Spec. P.* 1:95-100. Apr.1963. 64.9 Am3
- 89974 GORYANSKII, M. M. Rotation of crops in arid areas of Ukraine. (Rus) *Zemledelie* 2:31-35. Feb.1964. 20 Z44
- 89975 HARD, G. A four-field system of the 18th century. (Ge) *Z. f. Agrargesch. u. Agrarsoziol.* 11(2):160-162. Oct.1963. 30.98 Z3
- 89976 JENSEN, L. A. Specialty crops in the Upper Midwest. *Crop Quality Council. Ext. Conf. Rpt.* 1963:25-28. 464.9 N813  
Grain, oil seed and forage crops.
- 89977 KUO, H. L. A discussion of the problem of soil improvement and rice paddy land utilization in the lake area. (Ch) *Chung Kuo Nung Pao* 8:15-21. Aug.1963. 22.5 C473  
Rotation of crops.
- 89978 LIU, H. P. Chu-hsia-yin-huang irrigation area's wet and dry crop rotation. (Ch) *Chung Kuo Nung Pao* 7:19-25. July 1963. 22.5 C473



- 89979 MOTT, G. O. Food for peace: the crop scientist. Amer. Soc. Agron. ASA Spec. P. 1:36-41. Apr. 1963. 64.9 Am3
- 89980 NORFOLK (ENG.) AGRICULTURAL STATION. Farm guide, 1964. Norwich, 1964. 44 p., map. 103 N76F  
Chiefly agronomy.
- 89981 OKRUSZKO, H. Field crop culture on peat soils of Kuwasy. (Pol) Warsaw. Inst. Melior. i Uzytkow Zielonych. Wiad. 3(3):121-132. 1963. 54.9 W262W
- 89982 ORLOVSKII, N. I., and MAKSIMCHUK, L. P. Seventy five years of the Uladovo-Lyulinetskaya Opytno-Selektsionnaya Stantsiya. (Rus) Selekt. i Semen. 2:51-52. Mar./Apr. 1964. 61.9 Se5  
Field crops breeding.
- 89983 PAULLING, J. R. New crop varieties, summer 1963. U. S. Fed. Ext. Serv. New Crop Varieties 5, 17 p. Aug. 1963. A64.9 F31
- 89984 SCHRODER-LEMBKE, G. Roman three-field system? (Ge) Z. f. Agrargesch. u. Agrarsoziol. 11(1):25-33. Ref. Apr. 1963. 30.98 Z3
- 89985 SEIDLER, R. The introduction of industrial production methods in the field economy in Juterbog district. (Ge) Wis.-Tech. Fortschr. f. die Landwirt. 5(4):146-148. Apr. 1964. 18 W763
- 89986 SIPOS, G. Crop rotation order, spatial placement and problems of organic matter supply in large-scale farm operations. (Hu) Szovjet Tapszlatok a Magyar Mezogazdasagban 1:41-55. 1962? 19 Sz5  
Field crops.
- 89987 STEIKHARDT, H. Second crop culture in the front and central mountain areas of the DDR. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(4):181-183. Apr. 1964. 18 W763
- 89988 SVERIGES UTSADESFORENING. Annual report 1963. (Sw) Sveriges Utsadesfor. Tid-skr. 74(2/3):77-181. 1964. 61.9 Sv23  
Chiefly field crop breeding and variety trials.
- 89989 VOROB'EV, S. A., KRUPENNA, A. P., and LOSHAKOV, V. G. Growing of catch crops and green manure crops in the non-Chernozem zone. (Rus) In Ivanov, N. I. Nauka-sel'skomu khozaistvu, p.325-333. 1963. 64 Iv12
- 89990 WANG, Y. Y. A preliminary inquiry into the grain and cane rotation of crops by the Lung-hua Commune. (Ch) Chung Kuo Nung Pao 4:14-20. Apr. 1963. 22.5 C473
- 89991 YANG, C. F. Several problems involved in the rotation of crops with legumes in the Kuang-chung area. (Ch) Chung Kuo Nung Pao 4:9-13. Apr. 1963. 22.5 C473  
Rotation of legumes with wheat.
- 89992 ZELENSKII, M. A. Our suggestion for the improvement of breeding work. (Rus) Selekt. i Semen. 2:45-47. Mar./Apr. 1964. 61.9 Se5  
With reference to the article of A. V. Pukhal'skii.  
Field crops.
- Cereals
- 89993 ANTAL, J. Double-stem corn production on sandy soils of Alföld. (Hu) Magyar Mezogazdasag 19(18):7. Apr. 29, 1964. 19 M27
- 89994 ARNON, I. Growing grain sorghums in a Mediterranean environment. Econ. Bot. 18(2):149-157. Ref. Apr./June 1964. 450 Ec7
- 89995 BAJAI, J., and KUKEDI, E. Principles of sorghum culture. (Hu) Mezogazdasagi Vilagirodalom 6(2):105-111. Ref. 1964. 19 M577  
Review of literature.
- 89996 BARABAS, Z., and KUKEDI, E. How to produce hybrid seed sorghum? (Hu) Magyar Mezogazdasag 19(19):10. May 6, 1964. 19 M27
- 89997 BERKO, J. Production and utilization of cereal planting seed. (Hu) Magyar Mezogazdasag 19(25):8. June 17, 1964. 19 M27
- 89998 BLIXT, B. Spring grain varieties. (Sw) Hal-lands Lans Hushsalisk. Tidskr. 7(1):22-23. Jan. 1964. 11 H152
- 89999 BOCKSTAELE, L. Results of malting barley research undertaken by the [Rumbeke] Provinciaal Onderzoek- en Voorlichtingscentrum voor Nijverheidsteelten. (Du) Internat. Tijdschr. v. Brouwerij en Mouterij 23(2):41-45. 1963/64. 390.8 R32Af  
Cultural.
- 90000 BOLDEA, E., OPROIU, E., and CERNESCU, L. The quality of some newly introduced winter wheat varieties. (Rum) Prob. Agr. [Bucharest] 15(12):25-36. Ref. Dec. 1963. 21 R862  
English summary.
- 90001 BOYD, W. J. R. The role of the plant breeder in cereal production. Farmers' & Sci. Joint Conf. Cereals & Wool, 5th Conf.:33-35. 1963. 27 F22C  
Australia.  
Includes discussion.
- 90002 BRIGGLE, L. W. Hybrid wheat—its possibilities for processors. Amer. Miller & Processor 92(7):24-27. July 1964. 298.8 Am32
- 90003 CH'I, K. T. The attributes of kaoliang varieties in Liao-ning and their selection to suit the locality. (Ch) Chung Kuo Nung Pao 4:26-30, map. Apr. 1963. 22.5 C473  
Sorghum varieties.
- 90004 CHIANG, L. S. The culture of the rice crop of Nanpingshih. (Ch) Chung Kuo Nung Pao 5:5-10. May 1963. 22.5 C473
- 90005 CHIANG, W. C., and others. Several problems in the cultivation system of paddy fields in the red soil mound area. (Ch) Chung Kuo Nung Pao 9:17-22. Sept. 1963. 22.5 C473  
T. Y. Hsiao, F. C. Ch'en, S. I. Yu, and S. C. Li, joint authors.
- 90006 CRALLEY, E. M. Rice research in Arkansas. Ark. Farm Res. 13(3):6. May/June 1964. 100 Ar42F
- 90007 DENISOV, P. V. Normy vyseva zernovykh kul'tur i gorokha [Planting rates for grain crops and peas]. Leningrad, Lenizdat, 1963. 55 p. 59 D41N
- 90008 DIAZ DEL PINO, A. Corn culture. (Sp) Tier-ra [Mexico] 18(12):928, 976; 19(1):26, 75-78; (4): 284, 337-338. Dec. 1963-Jan. 1964, Apr. 1964. 8 T445  
Mexico.
- 90009 EPHRAT, J. Breeding wheat for rust resistance in Israel. (Fr) Ann. de l'Amelior. des Plantes 14(1):57-65. Ref. 1964. 14 F8499A  
English summary.
- 90010 ESCURO, P. B., and AQUINO, R. C. Comparison of Margate, Masagana and traditional methods of lowland rice culture. Philippine Agr. 47(5):215-237. Oct. 1963. 25 P542
- 90011 FAJERSSON, F. Weibulls Starke winter wheat—a variety for Sweden, Denmark and certain regions of Germany and Poland. (Ge) Agri. Hortique Genet. 22(1/2):195-226. Ref. 1964. 64.8 Ag8  
English summary.
- 90012 FEDIN, M. A. Kukuruza [Corn]. Orel, Orlovskoe Knizhnoe Izdatel'stvo, 1963. 152 p. 59.22 F312  
Culture.
- 90013 FENAROLI, L. Corn culture in the new Italian cultural trend. (It) Agr. d'Ital. 10(5):63-69. May 1964. 16 Ag8232
- 90014 FREYMULLER, H. The influence of stand width and planting strength on the yield of Karlshulder winter rye. (Ge) Bayer. Landwirt. Jahrb. 41(1):82-86. 1964. 18 L24
- 90015 GOHLKE, A. R. Foundation works to improve grain. West Tex. Today 45(5):8, 26-27. July 1964. 286.8 W522  
Sorghum culture.
- 90016 GOTSOV, K. A study of the problem of the duration of wheat harvesting. (Bu) Tolbukhin. Inst. po Pshenitsata i Slunchogleda Izv. 6:21-37. Ref. 1963. 59.9 T572  
English summary.
- 90017 GREEN, V. E. Adaption of hybrid corn to tropical regions. (Sp) Agr. de las Amer. 13(4): 72-75, 79. Apr. 1964. 58.8 Ag832

- 90018 HARRISON, R. L. Justin wheat-commercial performance in 1963. Crop Quality Council. Ext. Conf. Rpt. 1963:49-51. 464.9 N813 North Dakota.
- 90019 HEARD, T. G. Review of wheat variety trials. So. Austral. J. Agr. 67(8):244-250, map. Mar. 1964. 23 S884
- 90020 HEYNE, E. G. Problems which must be solved if hybrid wheat is to succeed. Grain Age 5(7): 3, 16. July 1964. 281.8 G76
- 90021 HSIAO, C. J. On the width of furrows of wheat planted between cotton. (Ch) Nongye Jishu 10: 2-3. Oct. 1963. 22.5 N929
- 90022 HSU, P., and others. The question of legume and grain culture in Yu-shu Hsien. (Ch) Chung Kuo Nung Pao 4:21-25. Apr. 1963. 22.5 C473  
C. P. Kao, W. Y. Li, and K. Y. Meng, joint authors.
- 90023 I, S. H. The culture of paddy rice in Kuei-chou and precipitation conditions. (Ch) Chung Kuo Nung Pao 9:30-34. Sept. 1963. 22.5 C473
- 90024 IVANOV, A. E., and ZEIFERT, O. A. Cultivation of winter rye on sandy soils of drought-ridden South-East. (Rus) Zemledelie 2:77-80. Feb. 1964. 20 Z44
- 90025 KALINENKO, I. G. Evaluation of wheat hybrids by yields and quality of grains ought to be performed in their first generation. (Rus) Sele. i Semen. 2:38-41. Mar./Apr. 1964. 61.9 Se5
- 90026 KASPIROV, A. I. Ozimye rozh' i pshenitsa na Severo-Zapade [Winter rye and wheat in the Northwest]. Leningrad, Lenizdat, 1963. 133 p. 59 K15  
Culture.
- 90027 KHITRINSKII, V. F., and STANKEVICH, A. A. Improvement of yield of winter wheat seeds by culture under special conditions. (Rus) Vest. Sel'skokhoz. Nauki [Moscow] 2:36-41. Feb. 1964. 20 V633  
English summary.  
Includes planting dates.
- 90028 KHOD'KOV, L. E. On the origin and evolution of cultivated barley. (Rus) Leningrad. U. Vest. Ser. Biol. 3:53-61. Ref. 1963. 442.9 L542V  
English summary.
- 90029 KIRYAKOV, K. Status of heterosis work with maize in Bulgaria. (Bu) Mezhdunarodno Nauchno Suvestanie po Kheterozisa [Mater.] 1961:113-122. 1962. 463.62 M57
- 90030 KOLTAY, A., and BELEA, A. The most important problems in wheat breeding and production. (Hu) Szovjet Tapasztalatok a Magyar Mezogazdasagban 1:25-40. 1962? 19 Sz5
- 90031 KRAMER, N. W. Research opens many new doors; objectives of Paymaster's expanding program are many and varied. West Tex. Today 45(5):6, 19. July 1964. 286.8 W522  
Sorghum breeding.
- 90032 LEJEUNE, A. J. The malting barley situation. Crop Quality Council. Ext. Conf. Rpt. 1963:6-11. 464.9 N813  
Varieties and quality.
- 90033 LELLEY, J. New guiding principles in wheat breeding. (Hu) Buvar 9(1):14-18. Jan./Feb. 1964. 410 B98
- 90034 LEOPOLD, A., and ZAWADZKI, M. Some problems of grain farms of Poland. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:40-43. 1964. 20 M57  
Increase of yields.
- 90035 LI, I. S. The paddy rotation system as seen from weather conditions in Chiang-hsi. (Ch) Chung Kuo Nung Pao 6:38-40. June 1963. 22.5 C473
- 90036 LI, W. Y., HSU, P., and SUN, T. C. The regional distribution of sorghum and corn in Chih-lin Province. (Ch) Chung Kuo Nung Pao 6:31-33. June 1963. 22.5 C473
- 90037 LUCA, I. Rice growing within the framework of state farms in 1963. (Rum) Prob. Agr. [Bucharest] 16(1):66-71. Jan. 1964. 21 R862
- 90038 MILLINGTON, A. J. New legumes for the cereal areas. Farmers' & Sci. Joint Conf. Cereals & Wool, 5th Conf.:36-39. 1963. 27 F22C  
Includes discussion.
- 90039 MITOV, L. Breeding durum wheat. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:50-51. 1964. 20 M57  
Hybrids.
- 90040 MIYASHITA, K. Raising paddy rice shoots with cheese cloth. (Ja) Noko-to-Engei 18(4): 124-125. Apr. 1963. 22.5 N693
- 90041 MYERS, W. M. Hybrid wheat production possibilities. Crop Quality Council. Ext. Conf. Rpt. 1962:3. 464.9 N813
- 90042 MYREN, D. T. The new Centro Internacional para el Mejoramiento del Maiz y Trigo. (Sp) Agr. de las Amer. 13(1):24-25, 28. Jan. 1964. 58.8 Ag832  
Located at Chapingo, Mexico.
- 90043 NATIONAAL INSTITUUT VOOR BROUWGERST, MOUT EN BIER, T.N.O. Annual report, 1962. (Du) Natl. Inst. v. Brouwerst, Mout en Bier—T. N. O. Jaarb. 28:5-46. 1964. 390.9 N21
- 90044 NATIONAAL INSTITUUT VOOR BROUWGERST, MOUT EN BIER, T.N.O. Jaarboekje [Yearbook], 1964, v. 28. n.p., 1964. 132 p. 390.9 N21  
English summaries.
- 90045 NETTEVICH, E. D., and FESENKO, N. V. Biological method of isolation of common buckwheat. (Rus) Sele. i Semen. 2:41-44. Mar./Apr. 1964. 61.9 Se5  
Breeding.
- 90046 NICOLAE, C., CREMENESCU, G., and CEAUSESCU, M. Some results concerning the growing of winter wheat on some podzolic soils of the Arges region. (Rum) Prob. Agr. [Bucharest] 16(1):34-39. Jan. 1964. 21 R862
- 90047 NIU, H. Rice crop culture in Hupeh Province in the spring and fall. (Ch) Chung Kuo Nung Pao 7:26-28. July 1963. 22.5 C473
- 90048 NORDEN, A. J. Diversity exists in sorghums. Fla. Cattleman & Livestock J. 28(9):25-26, 57. June 1964. 43.8 F66
- 90049 OLESEN, O. J. Irrigated winter wheat, I. Cultivation. Irrig. Winter Wheat. Tech. P. 1:1-7. July/Aug. 1963. 59.8 Ir7  
Rhodesia and Nyasaland.
- 90050 OSWALT, R. M. Oklahoma state-wide small grain variety testing program, progress report, 1963. Okla. Agr. Expt. Sta. Processed Ser. P-481, 16 p. July 1964. 100 Ok4M  
Wheat, oats, and barley.
- 90051 PADMANABHAN, S. Y., GANGULY, D., and CHANDWANI, G. H. Breeding rice varieties resistant to blast disease caused by *Piricularia oryzae* Cav. II. Selection of resistant varieties of early duration from the genetic stock. Indian Acad. Sci. Proc. Sect. B, 59(5):287-295. May 1964. 513 In25B
- 90052 PAPAANI, M. Botanical composition of cultivated oats in the P.R. of Albania. (Al) B. i Shkencave Bujqesore 2(4):21-50, map. Ref. 1963. 21.5 B87  
English summary.  
Varieties.
- 90053 PASZTOR, K. Planting and biological value of corn kernels divided into various parts. (Hu) Debrecen. Agrtudo. Foisk. Tudo. Kozlem. 8:127-155. Ref. 1962, pub. 1963. 105.9 D35  
German summary.
- 90054 PAVLOVA, A. M., and GLUSHENKOVA, N. I. Pulses in aftercrop sowings of the Uzbek S.S.R. (Rus) Trudy po Prikl. Bot. Genet. i Sele. 34(1):63-71. 1962. 451 R92  
English summary.
- 90055 PETERSON, G. A. Progress in breeding malting barley varieties. Crop Quality Council. Ext. Conf. Rpt. 1963:14-16. 464.9 N813
- 90056 POPEA, T., and ALEXE, N. The experience gained by the Marculesti State Farm in the field of rice growing. (Rum) Prob. Agr. [Bucharest] 16(1):72-75. Jan. 1964. 21 R862
- 90057 PRIEN, H. G. Advances in the breeding of barley and wheat for quality. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(25):926-927. June 18, 1964. 18 N39
- 90058 PULSZKY, P., and ELEKES, G. Production and preparation of grain seeds. (Hu) Termeloszovetkezetek Tanacsadoja 24:3-4. June 10, 1964. 280.28 T272



- 90059 REYES CASTANEDA, P. Sorghum for the low lands of the State of Nuevo Leon. (Sp) *Agro-nomia [Monterrey]* 95:2-7. July 1964. 8 Ag828  
Results of varietal tests for grain and forage.
- 90060 RIEMANN, K. H. New wheat forms through incorporation of various properties of rye in wheat. (Ge) *Wiss.-Tech. Fortschr. f. die Landwirt.* 5(2):89-91. Feb. 1964. 18 W763  
Hybrids.
- 90061 SAVITSKAYA, V. A., and MOGILEVTSEVA, N. A. Productiveness and quality of new varieties of spring wheat in western Siberia. (Rus) *Selek. i Semen.* 2:53-57. Mar./Apr. 1964. 61.9 Se5  
Includes baking quality.
- 90062 SENTZ, J. C. Corn population studies. *Crop Quality Council. Ext. Conf. Rpt.* 1962:54-57. 464.9 N813  
Planting and yield trials with hybrids, in Minnesota.
- 90063 SIDOROV, F. F. Main results of maize studies. (Rus) *Trudy po Prikl. Bot. Genet. i Selek.* 33 (2):161-171. 1963. 451 R92  
English summary.  
Varieties.
- 90064 SOLOTAREV, E. Ergebnisse der Getreideversuche des Jahres 1962/63 [Results of grain research of the year 1962/63]. Gumpenstein. Bundesanst. f. Alpenlandische Landwirt. Versergeb. 67,54 p. 1963. 19 Ad6V  
Varietal research.
- 90065 STANTON, W. R. A note on work in progress in northern Nigeria with special reference to grain legumes. *Genet. Agr.* 17(1/4):279-286. Dec. 1963. 450 G28  
Breeding.
- 90066 STEFAN, H. D. Methods of speeding the ripening of grain corn. (Rus) *Mezhdunarod. Sel'skokhoz. Zhur.* 2:46-49. 1964. 20 M57  
Culture in East Germany.
- 90067 STEFAN, I. The behaviour of some winter wheat varieties at the Marculesti Experimental Station. (Rum) *Prob. Agr. [Bucharest]* 15(12):37-41. Dec. 1963. 21 R862  
English summary.
- 90068 SU, S. S. A discussion of the development of rice production from the point of view of the natural conditions of the Lo-tien area. (Ch) *Chung Kuo Nung Pao* 8:22-24. Aug. 1963. 22.5 C473
- 90069 SUKHOV, V. I. Best planting dates for cereals in southern regions of Republic (Murgab). (Rus) *Kolkhoz.-Sovkhoz. Proizvodstvo Turkmenistana* 11:9-11. Nov. 1963. 20 Se4982  
Includes yields.
- 90070 TAKARI, Y., and HASEGAWA, S. Biru mugl no saibai [Beer barley growing]. Tokyo, Chikyū Shuppan, 1963. 224 p. 59.21 T57
- 90071 TEMPIR, Z. The culture of so-called "Gengel" in Moravia and Slovakia. (Cz) *Agrikultura* 2:93-97. Ref. 1963. 19.5 Ag8  
German summary.  
Identified as *Hordeum distichum nudum*.
- 90072 TEXAS. AGRICULTURAL EXPERIMENT STATION. Caddo wheat; a new, high quality, early wheat for Texas. *Tex. Agr. Expt. Sta. L-620*, 4 p. May 1964. 275.29 T313  
U. S. Department of Agriculture, cooperating.
- 90073 TIKHOMIROV, V. G. Behavior of Chinese spring wheats under the Leningrad Region conditions. (Rus) *Trudy po Prikl. Bot. Genet. i Selek.* 35(2):215-221. 1963. 451 R92  
English summary.
- 90074 TREPACHEV, E. P. Kukuruza na postoyannykh polyakh [Corn as a monoculture]. Moskva, Izdatel'stvo Sel'skokhozyaistvennoi Literatury, Zhurnalov i Plakatov, 1963. 88 p. 59.22 T722
- 90075 TS'AI, S. Y. An investigation of crop arrangement in the northern Kiangsu, Li-hsia River paddy area. (Ch) *Chung Kuo Nung Pao* 8:10-14. Aug. 1963. 22.5 C473  
Rice culture.
- 90076 ULONSKA, E. The utilization of the results of quality investigations for practical barley selection. (Ge) *Braugersten-Jahrb.* 1960/62: 23-48. 1963. 59.8 B73
- 90077 UMAROV, Z. U., and IKRAMOV, K. U. Relation of yields and quality of seeds of sorghum to planting dates. (Rus) *Selek. i Semen.* 2:68-69. Mar./Apr. 1964. 61.9 Se5
- 90078 URMANOVA, KH. U., and SHCHUPAKOVSKII, V. F. For hundred centners of grain from irrigated fields. (Rus) *Khlopkovodstvo* 4:38-39. Apr. 1964. 72.8 K522
- 90079 VELDHUIZEN, H. VAN. Preliminary report of the 1963 barley crop. (Du) *Natl. Inst. v. Brouwergerst, Mout en Bier—T. N. O. Jaarb.* 28: 47-51. 1964. 390.9 N21  
English summary.
- 90080 WATSON, E. R. The role of the ley in cereal production. *Farmers' & Sci. Joint Conf. Cereals & Wool, 5th Conf.* 43-45. 1963. 27 F22C  
Australia.  
Includes discussion.
- 90081 WATSON, I. A. Recent research in breeding for rust resistance in wheat. *Farmers' & Sci. Joint Conf. Cereals & Wool, 5th Conf.* 26-29. 1963. 27 F22C  
Australia.  
Includes discussion.
- 90082 WELLSHAUSEN, E. J. A fruitful effort: the improvement of corn in Mexico. (Sp) *Agr. de las Amer.* 13(5):42-43, 50. May 1964. 58.8 Ag832
- 90083 WILTEN, W. Field trials 1963. (Du) *Natl. Inst. v. Brouwergerst, Mout en Bier—T. N. O. Jaarb.* 28:81-90. 1964. 390.9 N21  
English summary.  
Barley varieties.
- 90084 YAKUBTSINER, M. M. Specific and varietal wheat resources serving socialist agriculture. (Rus) *Trudy po Prikl. Bot. Genet. i Selek.* 33 (2):142-160. 1963. 451 R92  
English summary.
- 90085 ZAHAN, P. The influence of crop density on maize yield under the pedoclimatic conditions of Livada-Maramures. (Rum) *Prob. Agr. [Bucharest]* 16(1):31-33. Jan. 1964. 21 R862  
English summary.

## Fiber Crops

- 90086 BOCSA, I. Breeding problem of monoecious hemp. (Hu) *Elovilag* 9(1):13-17. Jan./Feb. 1964. 410 EL6
- 90087 CHANG, P. C., and SUN, S. K. How to examine cotton seeds held for planting. (Ch) *Nongye Jishu* 10:4-5; 11:11-12. Oct.-Nov. 1963. 22.5 N929
- 90088 CHANG, S. S., and LI, Y. S. "Lo-pu-ma." (Ch) *Chung Kuo Nung Pao* 5:40-41. May 1963. 22.5 C473  
A Chinese fiber plant.
- 90089 CH'EN, J., and KU, Y. C. A report on a survey of cotton breeding work in Kiangsu. (Ch) *Chung Kuo Nung Pao* 3:1-7. Mar. 1963. 22.5 C473
- 90090 CH'UAN KUO CHI CHUNG CH'AN MIEN HSIEN MIEN HUA SHENG CH'AN HUI I. CHI SHU T'UI KUANG LAO MO TSU. Several important work proposals for doing well with the present crop production of cotton. (Ch) *Chung Kuo Nung Pao* 9:1-2. Sept. 1963. 22.5 C473
- 90091 CROSS, J. E. Breeding for resistance to a more pathogenic variant of *Xanthomonas malvacearum*. *Empire Cotton Growing Rev.* 41(1): 38-43. Jan. 1964. 72.8 Em7  
Tanganyika.
- 90092 DUNCAN, E. N., and PATE, J. B. The influence of in-row spacing on lodging and yield of Pope cotton. *Tenn. Farm & Home Sci. Prog. Rpt.* 50:15-16. Apr./June 1964. 100 T25F
- 90093 EFIMENKO, V. M., and MAKHMUDKHOD-ZHAEV, T. Cotton with pods of many glumes. (Rus) *Khlopkovodstvo* 4:41-43. Apr. 1964. 72.8 K522  
Breeding.
- 90094 FRYXELL, P. A., and MORAN, R. Neglected form of *Gossypium hirsutum* on Socorro Island, Mexico. *Empire Cotton Growing Rev.* 40(4): 289-291. Oct. 1963. 72.8 Em7

- 90095 HOSKINSON, P. E. Breeding early, high-yielding cottons for Tennessee. Tenn. Farm & Home Sci. Prog. Rpt. 50:14-15. Apr./June 1964. 100 T25F  
Varieties.
- 90096 HSIA, C. S., and others. Ramie agriculture, technicians, and cadre; experience in winter operations with ramie. (Ch) Nongye Jishu 11: 25-26. Nov. 1963. 22.5 N929  
P. Ch'en, T. F. Ch'en, and M. P. P'eng, joint authors.
- 90097 HSIA, T. C. Why is this year's production of ramie greater than last year's? (Ch) Nongye Jishu 12:14-16. Dec. 1962. 22.5 N929
- 90098 JEN, T. Y. Research into Wang Chi-ch'eng's cotton planting experience. (Ch) Chung Kuo Nung Pao 8:26-32. Aug. 1963. 22.5 C473
- 90099 KALASHNIK, S. YA. A few data on cotton culture of Peru. (Rus) Khlopkovodstvo 4:53-54. Apr. 1964. 72.8 K522
- 90100 KERKHOVEN, G. J. Cotton on tropical black clay, Kafue Flats, Northern Rhodesia. Empire Cotton Growing Rev. 41(1):2-12. Jan. 1964. 72.8 Em7
- 90101 MANNANOV, N. M. Some results of the work of Vsesoyuznyi Nauchno-Issledovatel'skii Institut Khlopkovodstva. (Rus) Khlopkovodstvo 5:32-35. May 1964. 72.8 K522
- 90102 SALAZAR ESTRADA, P. Acala 1517-T. (Sp) Algodon Mex. 3(15):10-11. Mar./Apr. 1963. 72.8 AL32  
Cotton variety.
- 90103 SALAZAR ESTRADA, P. Cotton seed from harvest to planting. (Sp) Tierra [Mexico] 19 (5):380, 428-429. (Cont.) May 1964. 8 T445
- 90104 SALAZAR SILVA, J. E. Summary of fique and its culture. (Sp) Rev. Nac. de Agr. 703:37-38. Nov. 1963. 9.4 R32  
Furcraea macrophylla.
- 90105 SMITH, R., and BROWN, R. A. Improved methods of cotton growing in Eastern Region, Tanganyika. Empire Cotton Growing Rev. 40(4): 268-277. Oct. 1963. 72.8 Em7
- 90106 TAKHTAMYSHEV, CH. N. Full hectare as a source of cotton yield. (Rus) Khlopkovodstvo 4:35-37. Apr. 1964. 72.8 K522  
Thinning.
- 90107 THOMSON, N. J., and BASINSKI, J. J. Harvesting practices, quality and yields of cotton in the Ord Valley, Northern Australia. Empire Cotton Growing Rev. 41(2):81-93. Ref. Apr. 1964. 72.8 Em7
- 90108 WADDLE, B. A. Effect of early season practices on the growth and yield of cotton in Jefferson County, 1962. Ark. Agr. Expt. Sta. Spec. Rpt. 14:38 p., map. Apr. 1964. 100 Ar42Sp  
Published jointly with Arkansas Agricultural Extension Service.
- 90109 WALTON, P. D. Changes in behaviour of some Sudan varieties of upland cotton. Empire Cotton Growing Rev. 40(4):278-288. Oct. 1963. 72.8 Em7
- Forage Crops and Grasses**
- 90110 ADAMS, W. E., DAWSON, R. N., and BEATY, E. R. Corn stover and grain production as related to cropping sequence, nitrogen, fertilization and residue management. Ga. Agr. Res. 5(4):8-10. Spring 1964. 100 G295  
Forage.
- 90111 ALVAREZ CALDERON, R. The need to improve the natural pastures of the Peruvian puna. (Sp) Co. Admin. del Guano. B. 39(5):12-16. May 1963. 57.9 C73B
- 90112 ASSORINA, I. A. Biologiya mnogoletnikh seyanykh trav v usloviyakh vysokogor'ya Tsentral'nogo Tyan'Shanya [Biology of perennial planted grasses of mountain meadows of Central Tien Shan]. Frunze, Izdatel'stvo Akademii Nauk Kirgizskoi SSR, 1963. 135 p. Ref. 60.1 As7  
Culture.
- 90113 AUSTRALIA. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. CUNINGHAM LABORATORY. Some concepts and methods in sub-tropical pasture research. Commonwealth Bur. Pastures & Field Crops. B. 47, 242 p., map. Ref. 1964. 64.8 Im7
- 90114 BAILEY, E. T. Some new pasture plants for the cereal areas. Farmers' & Sci. Joint Conf. Cereals & Wool, 5th Conf. 40-42. 1963. 27 F22C  
Australia.  
Includes discussion.
- 90115 BAJAI, J. Production of Sudan grass. (Hu) Magyar Mezogazdasag 19(20):7. May 13, 1964. 19 M27
- 90116 BENGTSSON, A. Radavstansforsok med rodlover i slattervall. Trials with different row spacings in red clover leys. Uppsala. Lantbrukshogsk. Meddel. Ser. A, 13, 16 p. 1964. 11 Up62  
English summary.
- 90117 BENGTSSON, A. Trials with varying levels of seed for red clover planting. (Sw) Svensk. Frotidn. 33(3):51-53. Mar. 15, 1964. 61.8 Sv2
- 90118 BERTHELEM, P. Mixed crop of Italian rye-grass and crimson clover. (Fr) Ann. de l'Amelior. des Plantes 14(2):207-218. 1964. 14 F8499A  
English summary.  
Planting and yields.
- 90119 BLUE, W. G., and GAMMON, N. Pasture legumes help solve feed problems. Fla. Cattleman & Livestock J. 28(9):42B. June 1964. 43.8 F66  
Florida.
- 90120 BOGUSCHEWSKI, H. Special problems in feed management in an animal husbandry farm. (Ge) Tierzucht 18(5):237-244. May 1964. 49 T443  
Pasture management.
- 90121 BUHTZ, E., and STELZNER, C. Alfalfa planting under green forage cover crops. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(2): 58-60. Feb. 1964. 18 W763
- 90122 BURTON, G. W. During 20 years Coastal covers more than six million acres. Livestock Breeder J. 7(3):8-10, 107. Mar. 1964. 49 L758  
Culture of Coastal Bermudagrass in the Southern States.
- 90123 CHENG, W. C. Seed fields for Astragalus sinicus. (Ch) Nongye Jishu 10:9-11. Oct. 1963. 22.5 N929  
Used as forage plant.
- 90124 CRAY, A. S. The farmer and his grass. So. West Scotland Grassland Soc. J. 1(2):5-12. Mar. 1963. 60.9 So82  
Includes discussion.
- 90125 DAVIES, W. E. The yields and composition of lucerne, grass and clover under different systems of management. V. Method of growing lucerne and meadow fescue. Brit. Grassland Soc. J. 19(2):263-270. Ref. June 1964. 60.19 B773
- 90126 DMITRIEV, B. YU. Experiment with year round utilization of arable lands. (Rus) Khlopkovodstvo 4:40. Apr. 1964. 72.8 K522  
Grasses as catch crop after cotton culture.
- 90127 DOBOSZYNSKI, L. Against "barren pastures" and "statistical pastures." (Pol) Przegl. Hodowlany 31(1):26-27. Jan. 1963. 49 P952  
On proper management of pastures.
- 90128 DUNAVIN, L. S. Experiments in W. Fla. discussed. Fla. Cattleman & Livestock J. 28(9): 48, 50. June 1964. 43.8 F66  
Pastures.
- 90129 ELDER, W. C., and TUCKER, B. B. Pasture management: grazing studies and forage crop fertility tests—biennial report of progress, 1962 and 1963. Okla. Agr. Expt. Sta. Processed Ser. P-475, 46 p. May 1964. 100 Ok4M
- 90130 FAN, Y. C. Canna edulis; good feed for swine. (Ch) Chung Kuo Nung Pao 9:49. Sept. 1963. 22.5 C473
- 90131 FUDULOV, D., and STOYANOVA, I. Results from experiments with winter fodder peas and winter vetch in the Dobroudza. (Bu) Tolbukhin. Inst. po Pshenitsata i Slunchogleda. Izv. 6:57-78. 1963. 59.9 T572  
English summary.  
Culture.



- 90132 FUSSELL, G. E. The grasses and grassland cultivation of Britain. II. 1700-1900. Brit. Grassland Soc. J. 19(2):212-217. Ref. June 1964. 60.19 B773  
Management.
- 90133 GAEDE. Forage planting in the proper time. (Ge) Unser Milchvieh 16(5):1-2. May 1964. 43.8 Un7
- 90134 GILLET, J. M. The native American species of clover (*Trifolium*). Forage Notes [Ottawa] 10(1):12-14. Spring 1964. 60.8 F742
- 90135 GRAFFER, H. Possibilities for increased plant production in the mountains, grass culture, pasture. (No) Tidsskr. f. det Norske Landbr. 71(5):105-112. 1964. 11 T433
- 90136 GRANITOV, I. I. Pastures of Uzbekistan. (Rus) Uzbek. Biol. Zhur. 6:7-12. 1962. 442.8 Uz1
- 90137 GRANSTROM, B. Defoliant, (Sw) Kem. Vaxtskyddsmedel 1963:57. 385 K313  
Chiefly for clover seed crops.
- 90138 GROWERS of certified pasture seed. So. Austral. J. Agr. 67(8):267-269. Mar. 1964. 23 So84
- 90139 HAFENRICHTER, A. L. New conservation plants in the West; superior varieties and new methods increase farm and ranch income. Soil Conserv. 30(1):6-8. Aug. 1964. 1.6 So3S  
Range management and forage plant varieties.
- 90140 HARKESS, R. D. Quality grass for milk production. 2. Practical considerations. SMMB Bulletin 11(6):10-13. June 1964. 280.39 Sco3N  
Pasture management in Scotland.
- 90141 HARLAN, J. R., RICHARDSON, W. L., and DE WET, J. M. J. Improving Old World blue-stems for the South, progress report, 1963. Okla. Agr. Expt. Sta. Processed Ser. P-480, 27 p. Ref. June 1964. 100 Ok4M  
U. S. Department of Agriculture, cooperating. Both *Bothriochloa* and *Dichanthium* spp.
- 90142 HERRERA, G. Investigations on forages. (Sp) Soc. Antioquena de Agr. B. Agr. 522:9301-9304. (Cont.) Dec. 1963. 9.4 Sol  
Culture.
- 90143 HOLLAND, A. A. Clover establishment in northern California. Calif. Agr. 18(7):15. July 1964. 100 C12Cag  
*Trifolium hirtum* and *Trifolium subterraneum*.
- 90144 HUNT, I. V. The British Grassland Society. So. West Scotland Grassland Soc. J. 1(1):18-21. Nov., i.e., Oct. 1962. 60.9 So82
- 90145 HUNT, I. V. European conference for forage production on natural grassland in mountain regions, Chur, Switzerland, June 25th-July 2nd, 1962. So. West Scotland Grassland Soc. J. 1(2):23-26. Mar. 1963. 60.9 So82
- 90146 HUNT, I. V. The plant breeder and the grassland farmer. So. West Scotland Grassland Soc. J. 1(2):31-34. Mar. 1963. 60.9 So82
- 90147 HURLEY (ENG.) GRASSLAND RESEARCH INSTITUTE. Experiments in progress, number 16; annual report for 1962/63. Hurley, 1964. 100 p. 60.9 St8
- 90148 HURST, R. L., and PEDERSEN, M. W. Alfalfa seed production as a function of genetic and environmental characteristics. Advn. Frontiers Plant Sci. 8:41-54. 1964. 452.4 V81
- 90149 IONITA, M. Comparative experimental results in fodder cultures. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:183-190. 1963. 106.4 T48  
English summary.
- 90150 INNER MONGOLIA. LIVESTOCK DEPT. PASTURE OFF. A valuable forage plant for semi-arid regions; *Caragana chamlagu*. (Ch) Nongye Jishu 11:48-50. Nov. 1963. 22.5 N929
- 90151 JOHNSTON, A. Range management in West Pakistan. Canad. Cattlemen 26(9):10-11, 20-21. Sept. 1963. 49 C16
- 90152 KAHRE, L. Meadow seeds. (Sw) Mjolkpropagandan 41(3):63. 1964. 44.8 M692  
Culture.
- 90153 KAJI, M. The selection and cultivation of forage crops in the Chugoku area. (Ja) Dairyman 14(1):22-23, map. Jan. 1964. 44.8 D1454
- 90154 KASDORFF, K. Experiences with the early spring meadow. (Ge) Wiss.-Tech Fortschr. f. die Landwirt. 5(4):173-174. Apr. 1964. 18 W763  
Management in East Germany.
- 90155 KAWATAKE, M. Selection and cultivation of forage crops in the Tokai-Kinkei area. (Ja) Dairyman 14(2):14, 19, map. Feb. 1964. 44.8 D1454
- 90156 KNOBLOCH, W. Experiences and results of "Egart" research in Roggenstein 1951 to 1961. (Ge) Bayer. Landwirt. Jahrb. 41(1):47-58. 1964. 18 L24  
A form of pasture rotation.
- 90157 KOEDZHIKOV, KH., and DEKOV, D. Of some aspects of agronomy in relation to the field regions of Sofia county grass mixtures. (Bu) Vissh Selskостopanski Inst. "Georgi Dimitrov." Agron. Fakul. Nauch. Trudove 12:33-47. 1963. 106.3 Se4N  
English summary.
- 90158 KUNSTING, G. Alfalfa culture on the Dikopshof. (Ge) Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn 10:265-267. Feb. 1964. 18 F777
- 90159 LUDDECKE, F. Agrotechnical measures of field brigades for increasing protein yields. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(2):50-53. Feb. 1964. 18 W763  
Forage plant fertilizing, harvesting, and processing.
- 90160 MCKAY, H. C., and WINDLE, L. C. Binders can save more brome [*Bromus inermis*] seed. Crops & Soils 16(8):14-15. June/July 1964. 6 W55
- 90161 MCKENZIE, S. A. Important factors in pasture utilization. Massey Agr. Col. Dairyfarming Annu. 1963:119-124. 44.9 M382  
Pasture management.
- 90162 MCQUEEN, I. P. M. Avoiding pasture damage under wet soil conditions; the general problem and a Massey project. Massey Agr. Col. Dairyfarming Annu. 1963:149-164, map. 44.9 M382  
Through treading and vehicles.
- 90163 MARUOKA, S. On the selection and culture of feed crops in Kyushu. (Ja) Dairyman 13(10):10-11. Oct. 1963. 44.8 D1454
- 90164 MASLINKOV, M. Production of alfalfa seeds. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:106-108. 1964. 20 M57  
Bulgaria.
- 90165 MIROSHNICHENKO, I. I. Annual pulses as fodder in the forest-steppe zone of the Ukrainian S.S.R. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 34(1):54-62. 1962. 451 R92  
English summary.  
With reference to yields.
- 90166 MUROGA, R. The selection and culture of forage crops in Shikoku. (Ja) Dairyman 13(12):14, 19. Dec. 1963. 44.8 D1454
- 90167 MYRE, M. The vetches. (Por) Gaz. do Agr. 15(170):241-242. July 1963. 24 G25  
Varieties and culture.
- 90168 NAZAROK, M. I. Relation between seed yields of forage lupine and planting method. (Rus) Selekt. i Semen. 2:69. Mar./Apr. 1964. 61.9 Se5
- 90169 NEDDENRIEP, K. J. Vegetative propagation of some leguminous forage crops. (Ge) Z. f. Acker- u. Pflanzenbau 119(4):323-346. Ref. June 1964. 18 J825  
English summary.
- 90170 NEGOMIREANU, V. The rational cultivation of the irrigated areas, an important means of increasing agricultural production. (Rum) Rev. de Zooteh. si Med. Vet. 14(5):11-21. May 1964. 49 P943  
English summary.  
Production of forage crops.
- 90171 NOMOTO, T. The selection and cultivation of forage crops in the Kanto-Tosan area. (Ja) Dairyman 14(3):12-13, map. Mar. 1964. 44.8 D1454
- 90172 OKRUSZKO, H., and KOWALCZYK, J. Management and utilization of Kuwasy peat bogs. (Pol) Warsaw. Inst. Melior. i Uzytkow Zielonych. Wiad. 3(3):101-119, map. 1963. 54.9 W262W  
Chiefly meadow management.

- 90173 OLIVEIRA, A. S. C. DE. Weeping lovegrass (*Eragrostis curvula*). II. (Por) Gaz. Agr. de Angola 9(5):1404-1405. May 1964. 24 G252
- 90174 OREV, Y. Agronomy of revegetation of semi-arid pasture lands. Advn. Frontiers Plant Sci. 8:117-120. 1964. 452.4 V81
- 90175 PERMETI, M. Time limits and best mixtures of seed for the sowing of green fodder crops on the littoral areas of Albania. (Al) B. i. Shken-cave Bujqesore 3(1):49-71. 1964. 21.5 B87  
English summary.
- 90176 RAPPE, G. A yearly rhythm in production capacity of gramineous plants. A.I. Oikos 14 (1):44-84. 1963. 410 O14
- 90177 RODER, W., and ZIELKE, K. Higher yields through interplanting of red clover in alfalfa. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(2):63-64. Feb. 1964. 18 W763
- 90178 RODINOV, V. A. How to get higher yields of alfalfa seeds. (Rus) Selekt. i Semen. 2:28-31. Mar./Apr. 1964. 61.9 Se5  
Chiefly planting method and harvest date.
- 90179 RUSSELL, K. N. Grassland renovation. Fert. & Feed. Stuffs J. 61(1):7-8. July 8, 1964. 57.8 F413
- 90180 SACHS, E., and SIMON, U. Why forage plant breeding? (Ge) Bayer. Landwirt. Jahrb. 41(1): 87-90. 1964. 18 L24
- 90181 SCHECHTNER, G. Principles of modern use of pastures and meadows. (Ge) Forderungsdienst 11(10):335-345. Oct. 1963. 19 F75  
Austria.
- 90182 SCHMIED, M. Krmivova zakladna [Forage plants]. Praha, Statni Zemedelske Nakladatel-stvi, 1963. 784 p. Ref. 389.7 Sch58  
Culture.
- 90183 SCHRODER, G., and GRAENTZ, K. H. Second crop forage culture on heavy soils of the VEG Cambs. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(4):175-177. Apr. 1964. 18 W763
- 90184 SCHUBART, E. Research on Thuringian alfalfa culture. (Ge) Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn 10:245-263. Ref. Feb. 1964. 18 F777
- 90185 SCHULZE, F. W. Clover-grass mixtures in forage culture. (Ge) Tierzuchter 16(6):189-190. Mar. 20, 1964. 49 T445
- 90186 SEIFERT, V. The development of greenland utilization and its management problem. (Ge) Tierzuchter 16(3):86-87. Feb. 5, 1964. 49 T445
- 90187 SHATSKAYA, M. G. Some data on the supply of seeds in soils of southwestern Kyzyl-Kum area. (Rus) Uzbek. Biol. Zhur. 6:20-26. 1962. 442.8 Uz1  
Pasture grasses.
- 90188 SIMON, U. Persian clover (*Trifolium resupinatum*), a new type of clover. (Ge) Bayer. Landwirt. Jahrb. 41(1):103-106. 1964. 18 L24
- 90189 SINSKAYA, E. N. Forage department results in the Vsesoyuznyi Institut Rastenievodstva. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 33(2):183-195. 1963. 451 R92  
English summary.  
Forage plant varieties.
- 90190 SMITH, I. D. Sudan-sorghum hybrids best as green crop and pasture. Doane's 27(14):7-10. May 8, 1964. 281.8 D652
- 90191 SPECHT, G. Green oats and green summer rye—two forage plants for light soils. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(2):65-67. Feb. 1964. 18 W763
- 90192 STEIKHARDT, H. Report on research with catch crop underplanting. (Ge) Z. f. Landwirt. Vers. u. Unterschw. 10(2):137-153. Ref. 1964. 18 Z32  
English summary.  
Forage plants.
- 90193 STENZ, G. Work of the Forschungsgemeinschaft "Mais und Feldfutter" for reorganization of forage plant breeding in the DDR. (Ge) Deut. Landwirt. 15(2):100-101. Feb. 1964. 18 D4822
- 90194 STEPANOVA, S. I. Evaluation of new narrow-leaved lupine varieties. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 34(1):101-105. 1962. 451 R92  
English summary.
- 90195 SZEKACS, J. Experiences with foreign grass varieties. (Hu) Magyar Mezogazdasag 19(23): 12-13. June 3, 1964. 19 M27
- 90196 T'AI-JAN, L. Plant more wood beans to augment feed, p. 32-37. Transl. 12989  
Culture of *Cajanus indicus*.  
Translation from Chungo-kuo Lin-yeh 6:15. 1962.
- 90197 TENG, L. Y. A discussion on rationalized harvesting of grasses. (Ch) Chung Kuo Nung Pao 7:16-18. July 1963. 22.5 C473
- 90198 TEXAS, AGRICULTURAL EXPERIMENT STATION. Abon Persian clover [*Trifolium resupinatum*]. Tex. Agr. Expt. Sta. L-618, 4 p. Apr. 1964. 275.29 T313  
U. S. Department of Agriculture, cooperating.
- 90199 TIVER, N. S. New perennial grass—Currie cocksfoot. So. Austral. J. Agr. 67(8):264-266. Mar. 1964. 23 So84
- 90200 TODA, S. Harvesting green cut corn for silage. (Ja) Dairyman 13(8):10-11. Aug. 1963. 44.8 D1454
- 90201 TSUCHIYA, S. The selection and cultivation of forage plants in the Hokuriku region. (Ja) Dairyman 14(4):14, 19, map. Apr. 1964. 44.8 D1454
- 90202 TSUZUKU, S. Greater harvest cultivation of feed crops. (Ja) Dairyman 13(10):9. Oct. 1963. 44.8 D1454
- 90203 VALLE, O., and GARRISON, C. S. International cooperation in the production of forage crop seeds. Amer. Soc. Agron. ASA Spec. P. 1:52-60. Apr. 1963. 64.9 Am3
- 90204 VALLE, O., HUOKUNA, E., and PUUMALAINEN, T. The possibilities of seed production of tetraploid red clover in central Finland. Ann. Agr. Fenn. 3(1):80-94. 1964. 20 An7
- 90205 VINCZEFFY, I. Modern pasture and meadow management in a nutshell. (Hu) Elovilag 9(1): 35-41. Jan./Feb. 1964. 410 EL6
- 90206 WATANABE, S. A southern forage plant to be noticed; "rose grass." (Ja) Dairyman 14(4): 12-13. Apr. 1964. 44.8 D1454  
Originally from Kenya.
- 90207 WELLHAUSEN, H. W. Sudan and millet for summer pasture. Ark. U. Agr. Ext. L. 294, rev., 6 p.—folder. May 1964. 275.29 Ar4Le
- 90208 WILSON, D. E., and CLARK, R. D. Irrigated pastures in southern Alberta. Canada. Dept. Agr. P. 1160, 14 p. 1964. 7 C16Pu
- 90209 YARLETT, L. L. Cutthroat grass [*Panicum abscissum*] can be grazed. Fla. Cattleman & Livestock J. 28(10):66, 68. July 1964. 43.8 F66
- 90210 ZDYBEK, J. Alfalfa seed production in Wrocław province. (Pol) Nowe Roln. 12(19):34-36. Oct. 1/15, 1963. 20.5 N86
- 90211 ZLOWODZKI, J. Yields of pastures in Poland. (Pol) Przegl. Hodowlany 31(1):28-29. Jan. 1963. 49 P952

### Oil Crops

- 90212 BARRIGA, C., and SIFUENTES, J. A. El cultivo de la soya en el Noroeste [Culture of soybeans in the Northwest]. Ed. 2. Cent. de Invest. Agr. del Noroeste. C. CIANO 13, 13 p. Mar. 1963. 8 C334
- 90213 BOEV, N. D. New regional varieties of oil plants. (Rus) Selekt. i Semen. 2:58-62. Mar./Apr. 1964. 61.9 Se5  
Includes breeding.
- 90214 BRICI, I. Results of a comparative culture with races of soya (*Soja hispida*). (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:149-153. 1963. 106.4 T48  
English summary.
- 90215 COCOSILA, A. From our experience in growing sunflowers. (Rum) Prob. Agr. [Bucharest] 16(1):76-79. Jan. 1964. 21 R862
- 90216 DURAND, Y., and DENIAU, P. Testing some varieties of spring rape. (Fr) Inform. Tech. C.E.T.I.O.M. 4:7-15. 1963, pub. 1964. 77.8 In3
- 90217 KONEV, N. F. Soybean culture in the U.S.A.; a survey. (Rus) Zemledelie 2:89-93. Feb. 1964. 20 Z44



- 90219 ROBINSON, R. G. Mustard [*Brassica* spp.] and rape oilseed crops for Minnesota. Minn. U. Agr. Ext. B. 311, 12 p. Mar. 1964. 275.29 M66S
- 90219 SEMAK, V. I. Indian mustard [*Brassica juncea*] in Omsk area. (Rus) *Zemledelie* 2:71. Feb. 1964. 20 Z44  
Culture.
- 90220 SEVA, L. Results of study on the sowing periods of peanuts. (Al) B. i Shkencave Bujqesore 3(1):32-38. 1964. 21.5 B87  
English summary.
- 90221 SMITH, T. J., and CAMPER, H. M. Performance of soybean varieties in Virginia. Va. Agr. Expt. Sta. Res. Rpt. 84, 11 p. June 1964. 100 V81R
- 90222 TS'AI, M. How to protect *Camellia sasanqua* varieties. (Ch) *Nongye Jishu* 11:18-20. Nov. 1962. 22.5 N929  
Protection from unintentional hybridization.
- 90223 VARGAS S., R. Cultivo de la soya [Soybean culture]. Peru. Serv. de Invest. y Prom. Agr. B. Tec. 48, 7 p. Ref. Dec. 1963. 9.8 P439
- 90224 VASIL'EV, D. S. Dotted line method of planting sunflowers. (Rus) *Zemledelie* 2:72-75. Feb. 1964. 20 Z44
- 90225 WANG, C. L. Several techniques for getting a good harvest from rape. (Ch) *Nongye Jishu* 12:8-9. Dec. 1962. 22.5 N929
- 90226 YERMANOS, D. M., EDWARDS, R. T., and HEMSTREET, S. C. Sesame, an oilseed crop with potential in California. Calif. Agr. 18(7):2-4. July 1964. 100 C12Cag
- 90227 ZABAZNYI, P. A., and BATURINA, A. A. Oil plants on fields of eastern regions of the country. (Rus) *Zemledelie* 2:68-71. Feb. 1964. 20 Z44

#### Sugar Crops

- 90228 BALDRIDGE, D. E. Maximum sugar beet yields through crop rotation. *Holly Agr. News* 12(2):10-13. Summer 1964. 66.8 H72
- 90229 CHANG, C. Y. The question of broadening the use of seed root in sugar beet propagation in Heiliangkiang Province. (Ch) *Chung Kuo Nung Pao* 5:38-39. May 1963. 22.5 C473
- 90230 CHOU, K. T. On the nature of "Su-ken" sugarcane. (Ch) *Nongye Jishu* 10:22-23. Oct. 1963. 22.5 N929
- 90231 COIMBATORE. SUGARCANE BREEDING INSTITUTE. Annual report for the year 1961-62. New Delhi, 1964. 32 p. 65.9 In273
- 90232 DOWNIE, A. R. Early utilization of monogerm beet seed. *Holly Agr. News* 12(2):4. Summer 1964. 66.8 H72  
Sugar beets.
- 90233 JUANG, P. Y. On the bunch planting method of testing sugar cane seedlings. II. Effect on selection of strongest competitive and vigorous growing seedlings. (Ch) Taiwan Sugar Expt. Sta. Rpt. 34:19-30. Ref. Feb. 1964. 65.9 F76F  
English summary.
- 90234 KUZDOWICZ, A. Results of breeding forage type of sugar beets. (Pol) *Nowe Roln.* 12(19):27-28. Oct. 1/15, 1963. 20.5 N86
- 90235 MISRA, G. N. Mixed cropping-effects of certain intercrops on the yield and juice quality of sugarcane. Indian Sugar [Calcutta] 14(1):11-17. Ref. Apr. 1964. 65.8 In26
- 90236 PRZYLUKSKA-GEDYMIN, K. The influence of empty spaces (due to loss of plants) on yields and the technological value of sugar beets as related to the number, form and date of their occurrence. (Pol) *Warsaw. Szkola Glowna Gosp. Wiejsk. Roln.* 7:115-143. 1963. 20.5 W26  
German summary.
- 90237 SAHNER, C. G. Genetic monogerm beet sugar seed and its practical application. (Tu) *Seker* 13(51):13-14. Apr. 1964. 65.8 Se4
- 90238 SIMON, M., and GOBELEZ, M. Sugar beet cultivation in western Europe. (Tu) *Seker* 13(51):36-39. Apr. 1964. 65.8 Se4

- 90239 STERN, R. B., and OMAI, B. Israeli sugar beet. (Tu) *Seker* 13(51):40-44. Apr. 1964. 65.8 Se4
- 90240 WILLEY, L. A. Trials of commercial varieties of sugar beet. *Brit. Sugar Beet Rev.* 32(4):175-179. June 1964. 66.8 B77
- 90241 ZANA, J. Effect of thinning date of sugar beet on yields of monogerm and polygerm seeds. (Hu) *Magyar Mezogazdasag* 19(20):6. May 13, 1964. 19 M27
- 90242 ZNAMENSKII, L. N. Growing seeds of sorgho and grain sorghum. (Rus) *Selek. i Semen.* 2:31-34. Mar./Apr. 1964. 61.9 Se5

#### Tobacco

- 90243 GRASSI, U. Culture of tobacco in Syria. (It) *Riv. di Agr. Subtrop. e Trop.* 58(1/3):103-113. Jan./Mar. 1964. 26 Ag82  
English summary.
- 90244 IOAN, E., and ILLE, C. The obtaining of an oriental type tobacco with medium leaf size. (Rum) *Bucharest. Inst. de Cercet. Aliment. Lucrarile* 6:273-288. 1962/1963. 389.9 R86  
English summary.  
Breeding.
- 90245 PETROV, R. Organization of tobacco planting with the use of cistern-marking-sprinkler. (Bu) *Plovdiv. Nauchnoizsled. Inst. po Tyutyuna. Izv.* 4:131-145. 1963. 69.9 P72  
German summary.

#### HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

#### General

- 90246 BAKER, S. S. Clear and simple gardening handbook; how to have the most beautiful lawns and gardens. New York, Grosset & Dunlap, 1964. 223 p. 97 B172
- 90247 FARTHING, D. Easier gardening. London, Oldbourne, 1963. 175 p. 90 F252
- 90248 FICH, C. Regionalization of Denmark's commercial horticulture. (Da) *Landbonyt* 18(1):23-24. Jan. 1964. 11 L2322
- 90249 GEMMELL, A. R., and LOADS, F. W. Science in the garden. London, Bell, 1963. 159 p. 90.1 G28
- 90250 GT. BRIT. NATIONAL AGRICULTURAL ADVISORY SERV. Rosewarne Experimental Horticulture Station and Ellbridge Sub-Station; ninth report, 1963. Camborne, 1964. 119 p., map. 84 G7972
- 90251 HARD, C. G., and others. Garden information. Minn. U. Agr. Ext. Ext. Pam. 207, chart. Feb. 1964. 275.29 M66P  
O. C. Trunquist, J. Lofgren, and H. G. Johnson, joint authors.  
Chiefly vegetable and ornamental plant culture.
- 90252 HAVIS, J. Nursery research and training in Massachusetts. *Amer. Nurseryman* 70(2):14, 211-212. July 15, 1964. 80 Am371
- 90253 HESS, E. Opportunities for women in horticulture. *Roy. Hort. Soc. J.* 89(7):286-294. July 1964. 84 L84J
- 90254 INTERNATIONAL HORTICULTURAL CONGRESS, 16, BRUSSELS, 1962. [Proceedings], volume IV. Gembloux, Duculot, 1964. 591 p. Ref. 90.09 C7616P
- 90255 KARNER, L. Ergebnisse der Sonderkulturen-Versuche des Jahres 1963 [Results of special crops research of the year 1963]. Gumpenstein. Bundesanst. f. Alpenlandische Landwirt. Versergeb. 66, 81 p. 1963. 19 Ad6V  
Vegetables, berries, and drug plants.
- 90256 KECSKES, T. Planning of school gardens. (Hu) *Buvar* 8(6):326-330. Nov./Dec. 1963. 410 B98
- 90257 KUMSTYR, K. Zaklady zahradsnictva [Principles of gardening]. Bratislava, Slovenske Vydavatel'stvo Podohospodarskej Literatary, 1964. 113 p. 90.4 K96As

- 90258 LAWRENCE, W. J. C. Science and the glass-house. Ed. 3. Edinburgh, Oliver & Boyd, 1963. 183 p., map. Ref. 90.13 L43
- 90259 LOPEZ-RIOBOO, F., and QUIROS, A. G. B. DE. Production of horticultural plants thanks to hydroponics. (Fr) Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:304-307. 1962, pub. 1964. 90.09 C7616P
- 90260 MARIANELLI, U. The "Cinque Terre" and horticulture. (It) Agr. della Spezia 12(4):64-65. Apr. 1964. 16 Ag8229
- 90261 PEEPLES, F. H. Junior garden club handbook: a leader's guide. Princeton, N. J., Van Nostrand, 1963. 220 p. Ref. 90.32 P34
- 90262 SNYDER, R., ed. The complete book for gardeners. Princeton, N. J., Van Nostrand, 1964. 508 p., map. 90 Sn9
- 90263 SPICE, H. R. The uses of polythene film in horticulture. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:319-324. 1962, pub. 1964. 90.09 C7616P
- 90264 WATKINS, J. V. Plant propagation for Central America. Ceiba 10(1):30-49. Mar. 1964. 475 C32
- 90265 WEST VIRGINIA HORTICULTURAL SOCIETY. 1964 proceedings; 2nd section of the 1964 convention, at Martinsburg, Feb. 25-27. Mountaineer Grower 34(251), 47 p. Apr. 1964. 80 M86
- Fruits--General**
- 90266 BALDASSARI, T. Frutticoltura pratica [Practical fruit culture]. Collana Prat. dell'Agr. i, ed. 10, 230 p. 1963. 16 C68
- 90267 BELL, G. F. Establishing a fruit garden. London, Paul, 1963. 143 p. Ref. 93 B41
- 90268 BOCHAROV, V. Seedlings of stone fruit. (Rus) Sadovodstvo 4:5. 1964. 80 Sa13
- 90269 BOSCH, H. Study trip of a young assistant through France. (Ge) Obstbauversring. des Alten Landes. Mitt. 18(11/12):420-428. Nov./Dec. 1963. 85 J76  
Studying the fruit orchards.
- 90270 CALAHAN, C. L. The long search for new fruit. Vt. Farm & Home Sci. 5(3):10. Spring 1963. 100 V593  
Varieties.
- 90271 CHOU, T. M. How to raise a fruit orchard on salty alkali soil. (Ch) Nongye Jishu 10:24-27. Oct. 1963. 22.5 N929
- 90272 COMBRET, R. How to establish your garden. (Sp) Tierra [Mexico] 19(1):21-23; (4):290-291. (Cont.) Jan., Apr. 1964. 8 T445  
Fruit in Mexico.
- 90273 FOGG, H. G. Fruit growing. London, Gifford, 1963. 175 p. 93.5 F68
- 90274 FOGLE, H. W. Stone-fruit research by the U. S. Department of Agriculture. Mountaineer Grower 34(251):37-42. Apr. 1964. 80 M86
- 90275 FUKUDA, H. Chemical thinning of fruit trees. (Ja) Kajitsu Nippon 19(2):17-19. Feb. 1964. 80 K122
- 90276 GOMES, F. P., BERGNA, D. A., and CASTELLO, W. J. Experimental design in fruit trees. (Por) Rev. de Agr. [Piracicaba] 38(4):207-224. Dec. 1963. 9.2 R324
- 90277 HABRAN, R. Prospects of fruit culture in the Herve district. (Fr) Rev. de l'Agr. 17(4):515-519. Apr. 1964. 13 R322
- 90278 HIRATA, K. What is impeding modernization? (Ja) Kajitsu Nippon 19(1):24-27. Jan. 1964. 80 K122  
In fruit culture.
- 90279 IL'INSKI, A. A., and TATARINTSEV, A. S. Sortovedenie i selektsiya plodovykh rastenii: posobie dlya prakticheskikh zanyatii [Varieties and breeding of fruit: handbook for practical work]. Moskva, Izdatel'stvo Selskokhozyaistvennoi Literatury, Zhurnalov i Plakatov, 1963. 247 p. 93.02 IL5
- 90280 JORSS, E. Fruit culture in small gardens. (Ge) Lebendige Erde 5:232-236. (Cont.) Sept./Oct. 1963. 18 L49
- 90281 LABUS, S. What miracle sealing compounds can be recommended today for grafts? (Ge) Obstbauversring. des Alten Landes. Mitt. 18(10)(10):331-336. Oct. 1963. 85 J76  
Six different grafting waxes compared.
- 90282 LOHDEN, A., and DAMMANN, H. J. Sightseeing trip of the Obstbauversuchsring to the Paris Basin. (Ge) Obstbauversring. des Alten Landes. Mitt. 18(11/12):409-418, map. Nov./Dec. 1963. 85 J76  
Viewing the orchards.
- 90283 MAREKOVA, B. Contribution to the study of fruit culture in the Gemer district in the past and present. (Cz) Agrikultura 2:99-109. 1963. 19.5 Ag8  
German summary.
- 90284 MODORAN, I., and BODI, I. Contributions to the study of mother plants for some fruit-growing species. (Rum) Bucharest. Acad. Repub. Pop. Romine. Filiala Cluj. Studii si Cercet. de Agron. 13:145-153. Ref. 1962, pub. 1963. 21 B854  
English summary.
- 90285 OKOLITENKO, V. A. Regrafting as a method of increasing yields of fruit. (Rus) Sadovodstvo 4:25. 1964. 80 Sa13
- 90286 PAVLOVA, N. M. Research work on fruits and berries in 1959-1960. (Rus) Trudy po Prikl. Bot. Genet. i Selekt. 33(2):196-206. 1963. 451 R92  
English summary.
- 90287 PEREGI, S. Harvesting date of fruit. (Hu) Kerteszeti es Szoleszeti 13(11):17. June 1964. 80 K474
- 90288 POPOV, E. Fruit culture of Bulgaria. (Rus) Sadovodstvo 3:52-53. Mar. 1964. 80 Sa13
- 90289 RAYMAN, J. Summer green pruning. (Hu) Kerteszeti es Szoleszeti 13(11, sup. 2):6. June 1964. 80 K474  
Fruit trees.
- 90290 SMITH, R. H. Experimental establishment of certain wildlife food plants by grafting. N. Y. Fish & Game J. 10(2):215-224. July 1963. 410 N48  
Fruit trees.
- 90291 SOUSA E MELLO, J. DE. Generalities on pruning. (Pol) Gaz. do Agr. 15(170):228-230. July 1963. 24 G25  
Fruit.
- 90292 STEPANOV, S. N. Plodovyyi pitomnik [Fruit nurseries]. Ed. 2, rev. and enl. Moskva, Izdatel'stvo Sel'skokhozyaistvennoi Literatury, Zhurnalov i Plakatov, 1963. 511 p. 93.28 St43
- 90293 TARASENKO, M. T., and others. Progressive method of fruit propagation by cuttings. (Rus) Sadovodstvo 4:26-27. 1964. 80 Sa13  
B. S. Ermakov, K. N. Kapshtal', and Z. A. Prokhorova, joint authors.  
Mist humidification.
- 90294 TKACHENKO, G. S. Fruit seedlings without prickles in Donetz Basin. (Rus) Sadovodstvo 4:31. 1963. 80 Sa13  
Includes grafting.
- 90295 WEIR, T. S. Grafting fruit trees. Minn. U. Agr. Ext. B. 273, rev., 16 p. 1964. 275.29 M66S
- 90296 ZALIWSKI, S. Problems in intensive fruit culture. I. Present state and need of intensification. (Pol) Nowe Roln. 13(2):41-42. Jan. 16/31, 1964. 20.5 N86
- 90297 ZSOLDOS, L. Preparation of fruit soils with terracing. (Hu) Kerteszeti es Szoleszeti Foisik. Evkon. 2(1):57-66. Ref. 1963. 80 B85  
German summary.
- Fruits--Citrus and Subtropical**
- 90298 AVILES ALGARRA, J. Fruit before arriving at the oil mill. (Sp) Cult. Mod. 47(4):133-134. Apr. 1964. 15 C89  
Olive harvesting and transportation.
- 90299 CADAHIA CICUENDEZ, P. Optimal zones for the culture of the olive in Spain. (Sp) B. de Oleicult. Internac. 77:37-56. Jan./Feb. 1964. 307.8 B63



- 90300 CHAPOT, H. The Kabbad citron. (Fr) Awamia 8:39-61. July 1963. 24 Awl  
English summary.  
Plant description and varieties.
- 90301 CHU, W. Y. A discussion of the pruning of the jujube tree. (Ch) Nongye Jishu 11:29-30. Nov. 1962. 22.5 N929
- 90302 FLOREAL MARSICO, D. Comment on the highly productive olive trees of the dry tropical region of the North of Chile. (Sp) B. de Oleicult. Internac. 77:3-10. Ref. Jan./Feb.1964. 307.8 B63
- 90303 MIRANDA, J. P. DE. Varieties of the shore coconut. (Por) Rural 44(514):12-13. Feb.1964. 9.2 B733
- 90304 MORIN, C. Cultivo de la higuera [Fig culture]. Peru. Serv. de Invest. y Prom. Agr. B. Tech. 43,13 p. Sept.1963. 9.8 P439
- 90305 MORIN, C. Cultivo de la pina [Pineapple culture]. Peru. Serv. de Invest. y Prom. Agr. B. Tec. 45,19 p. Nov.1963. 9.8 P439
- 90306 MORIN, C. Cultivo del mango [Mango culture]. Peru. Serv. de Invest. y Prom. Agr. B. Tec. 46,12 p. Nov.1963. 9.8 P439
- 90307 OPPENHEIMER, C. Selection of clonal rootstocks for mango and avocado. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:431-436. Ref. 1962, pub.1964. 90.09 C7616P  
Includes discussion.
- 90308 RODRIGUEZ, O. Planning the citrus orchard; practical instructions. (Por) Rural 43(511):10-11. Nov.1963. 9.2 B733  
Planting and varieties.
- 90309 SALVADO, A. Publications of the Junta Nacional do Azeite or ones which it nas subsidized or cooperated in. (Por) Portugal. Junta Nac. do Azeite. B. 17(64):45-62. July/Dec.1962. 94.7 P83  
Olives.
- 90310 UTSU, B. The present condition and future of Kagoshima pummelos. (Ja) Noko-to-Engei 18(4):53-55. Apr.1963. 22.5 N693  
Primarily culture.
- 90311 VALLERANI, R. The olive after the exodus; the problems of old plantations, from pruning to harvesting. (It) Gior. di Agr. 74(27):273-274. July 5, 1964. 16 It1G
- Fruits--Deciduous
- 90312 ANDREWS, L. M. It's a peach! Gard. J. 14(4):121-123. July/Aug.1964. 80 G1635  
History.
- 90313 BARRAT, J. G. Problems of young peach trees. Mountaineer Grower 34(251):20-24. Apr.1964. 80 M86
- 90314 BORZA, A. The pears of the Rumanian People's Republic. (Rum) Bucharest. Acad. Repub. Pop. Romine. Filiala Cluj. Studii si Cercet. de Agron. 13:163-215. Ref. 1962, pub.1963. 21 R854  
German summary.  
Varieties.
- 90315 CHRIST, E. G. Peach growing. Mountaineer Grower 34(251):17-20. Apr.1964. 80 M86  
In New Jersey.
- 90316 FOMENKO, YU. E. The effect of pruning of apples. (Rus) Sadovodstvo 3:29-30. Mar.1964. 80 Sa13
- 90317 HIROSE, W. A production region which produces delicious early peaches. (Ja) Noko-to-Engei 18(5):67-69. May 1963. 22.5 N693
- 90318 IMOTO, C. The culture of "Mesuree" plums. (Ja) Noko-to-Engei 18(6):92-93. June 1963. 22.5 N693
- 90319 IWASAKI, K. On the special character of "sui-shu" pears. (Ja) Kajitsu Nippon 19(3):56-57. Mar.1964. 80 K122
- 90320 KUPPERS, H. Prunus avium "Huttner 170 X 53." (Ge) Deut. Baumsch. 16(2):34-36. Feb.1, 1964. 80 D486
- 90321 KURENNOYA, N. M., and ROTTO, I. D. Dates of pruning and the fruit-bearing of apples. (Rus) Sadovodstvo 3:27-28. Mar.1964. 80 Sa13
- 90322 THE LEGEND of the Danish apple Ingrid Marie. (Ge) Obstbauversring. des Alten Landes. Mitt. 18(11/12):456-457. Nov./Dec.1963. 85 J76  
The original tree is protected by the Nature Preserve Association.
- 90323 LOEWEL, E. L., DAMMANN, H. J., and SAURE, M. Results of apple variety tests in Ottensen. I. Varieties with unsatisfactory cultivation value. (Ge) Obstbauversring. des Alten Landes. Mitt. 18(10):328-330; (11/12):428-432. (Cont.) Oct.1963. 85 J76
- 90324 LU, C. N., and PAO, S. C. On the pruning of large apple trees. (Ch) Nongye Jishu 12:21-24. Dec.1962. 22.5 N929
- 90325 MATSUNAGA, H. On varieties and pollination. (Ja) Noko-to-Engei 18(4):56-57. Apr.1963. 22.5 N693  
Pears.
- 90326 MATSUZAKI, K. Important points in the cultivation of 20th Century pears in Fukushima. (Ja) Noko-to-Engei 18(4):50-52. Apr.1963. 22.5 N693
- 90327 OLAFSON, G. Reine Claude d'Oullins. (No) Norsk Hagetid. 80(5):123. May 1964. 80 N81  
Culture of plum variety
- 90328 ONO, T. The bagless culture of peaches. (Ja) Kajitsu Nippon 19(1):94-95. Jan.1964. 80 K122
- 90329 RACKHAM, R. L., and others. New pear roots for old--inarching decline-immune seedlings into susceptible pear trees. Calif. Agr. 18(6):12-14. June 1964. 100 C12Cag  
B. E. Bearden, R. S. Bethell, R. H. Gripp, G. W. Morehead, and J. W. Osgood, joint authors.  
Grafts.
- 90330 SADAMORI, M. Apple culture in Western Europe. (Ja) Kajitsu Nippon 19(3):27. Mar.1964. 80 K122
- 90331 SLAVGORODSKII, V. N. Best combination of varieties for grafting at the top. (Rus) Sadovodstvo 4:24. 1964. 80 Sa13  
Apple.
- 90332 STRANDE, H. P. Variety selection in Norwegian fruit culture: pears. (No) Gartneryrket 54(25):769-771. June 19, 1964. 80 G1938
- 90333 STRANDE, H. P. Variety selection in Norwegian fruit culture: plums. (No) Gartneryrket 54(26):790-791, 793. June 26, 1964. 80 G1938
- 90334 STRANDE, H. P. Winter apples. (No) Gartneryrket 54(23):710-711, 725-726. June 5, 1964. 80 G1938  
Varieties and culture.
- 90335 SUSZKOWA, J. New sweet cherry hybrids bred in Kornik (Pol) Arboretum Kornickie 8:249-254. 1963. 450 Ar1  
English summary.
- 90336 VLASYUK, S. G. Fruit-bearing age of plums can be extended. (Rus) Sadovodstvo 3:30-31. Mar.1964. 80 Sa13  
Effect of pruning on yields.
- 90337 YONEYAMA, K. The problem of pruning Twentieth Century pears. (Ja) Kajitsu Nippon 19(1):73-75. Jan.1964. 80 K122
- Fruits--Small
- 90338 ALISOV, M. S., and SKUIN', K. P. Importance of the culture of grapes in covered soil. (Rus) Vinodel. i Vinograd. SSSR 3:31-35. 1964. 95.8 V77  
Chiefly greenhouse culture.
- 90339 BESSENAY, G. Cornas, a small village of the Vivarais section of France. (Fr) Potasse 38(314):93-95. Apr.1964. 57.8 P84  
Grape culture and wine types.
- 90340 BETTA, P. Description of the behavior of twenty cultivars of grapes grown in Piacenza in the crop years 1961-1962 and 1962-1963. (It) Milan. U. Cattolica del Sacro Cuore. Facol. di Agr. Ann. (n.s.)3(3):429-444, map. Dec.1963. 16 M582  
English summary.
- 90341 CHRIST, E. G. Bush fruits in the home garden. N. J. State Agr. Col. Ext. B. 298-A, 8 p. June 1964. 275.29 N46

- 90342 CRAIG, D. L. Growing red raspberries in eastern Canada. Canada. Dept. Agr. P. 1196, 14 p. 1964. 7 C16Pu
- 90343 CRAIG, D. L. Varieties of red raspberries for eastern Canada. Canada. Dept. Agr. P. 1197, 3 p. 1964. 7 C16Pu
- 90344 CUSHCHIN, M. F. Three times better, six times less expensive. (Rus) Sadovodstvo 4: 28-29. 1964. 80 Sa13  
Propagation of currants by cuttings.
- 90345 DESYATNICHENKO, A. D. Improvement of the method of the preparation of grape cuttings. (Rus) Sadovodstvo 3:43-44. Mar.1964. 80 Sa13
- 90346 ERGESYAN, R. A. New method of growing planting stock. (Rus) Vinodel. i Vinograd. SSSR 3:46-49. 1964. 95.8 V77  
Grape rootstocks.
- 90347 FRY, B. O. Variety and cultural studies with blackberries and dewberries. Ga. Agr. Expt. Sta. Mimeo. Ser. (n.s.)202, 13 p. May 1964. 100 G293M
- 90348 GLEBOVA, E. I., and POTASHEVA, A. I. A few interesting experiments. (Rus) Sadovodstvo 3:38-39. Mar.1964. 80 Sa13  
Propagation of currants by cuttings.
- 90349 GLEBOVA, E. I. Propagation of raspberries by green cuttings. (Rus) Sadovodstvo 4:28-29. 1964. 80 Sa13
- 90350 GRAMOLIN, V. K. Planting currants. (Rus) Sadovodstvo 3:36-37. Mar.1964. 80 Sa13  
With one-year old rootstocks.
- 90351 KATAR'YAN, T. G. Application of the achievements of science. (Rus) Sadovodstvo 3:40-42. Mar.1964. 80 Sa13  
Activity of the Vsesoyuznyi Nauchno-Issledovatel'skiy Institut Vinodeliya i Vignararstva Magarach in the field of grape culture.
- 90352 KATAR'YAN, T. G. High quality grapes for wine industry. (Rus) Vinodel. i Vinograd. SSSR 2:1-6. 1964. 95.8 V77  
Chiefly grape culture.
- 90353 KOBYAKOV, A. I. Tested method. (Rus) Sadovodstvo 3:58-59. Mar.1964. 80 Sa13  
Propagation of currants by cuttings.
- 90354 KOCH, A. Valentine, a noteworthy parent in strawberry breeding. (Ge) Z. f. Vererblehre. 33(8):352-354. Ref. 1963. 442.8 Z34
- 90355 LEVY, J. F. Statistical observations on 3,900 grape plantings made in Herault from 1949 to 1962. (Fr) Vignes et Vins 110:7-10,12-13. (Cont.) June 1962. 95.8 V685  
English summary.
- 90356 LITTLER, A. E. Loganberry culture in British Columbia. Brit. Columbia. Dept. Agr. Hort. C. 100, 6 p. 1964. 82 B77
- 90357 MIR, R. M. 41 B. (Sp) Cult. Mod. 47(4):137-139. Apr.1964. 15 C89  
Grape strain.
- 90359 OPREA, S., and NAGHI, A. The influence of the nipping of the offshoots on the quantity and quality of the vine production. (Rum) Bucharest. Acad. Repub. Pop. Romine. Filiala Cluj. Studii si Cercet. de Agron. 13:155-162. 1962, pub.1963. 21 B854  
English summary.
- 90359 PENGILI, M. Valuation of some grape varieties and determination of the harvesting period. (Al) B. i Shkencave Bujqesore 2(4):102-125. 1963. 21.5 B87  
English summary.
- 90360 RAKHINOVA, N. N. Currants in Rostov area. (Rus) Sadovodstvo 3:36-37. Mar.1964. 80 Sa13  
Propagation by cuttings.
- 90361 ROBERTS, C. R., and CAMPBELL, R. W. Strawberries in your garden. Kans. State U. Agr. Ext. C. 327, 8 p. Apr.1964. 275.29 K13Ex
- 90362 SAWAHOTSU, H. A look at Soviet grapes. 2. (Ja) Kajitsu Nippon 19(4):54-53. Apr.1964. 80 K122
- 90363 TAVARES, F. Viticultural themes. (Por) Granja [Lisboa] 22(3/4):1-61. (Cont.) July/Dec.1933. 15.5 G76  
Grape culture and wine manufacture.
- 90364 TVALASHVILI, K. G. Covering grafts with paraffin. (Rus) Sadovodstvo 4:36. 1964. 80 Sa13  
Grapes.
- 90365 VAHL, E. VON. The problem of cherry varieties in the Altes Land 1963. (Ge) Obstbauversring. des Alten Landes. Mitt. 18(11/12): 403-404. Nov./Dec.1963. 85 J76
- 90366 YARKOVA, K. T. Propagation of currants. (Rus) Sadovodstvo 3:34-35. Mar.1964. 80 Sa13  
By cuttings.
- 90367 YOSHIWARA, C. The creation of a collective production area for modern grapes. (Ja) Noko-to-Engei 18(7):86-87. July 1963. 22.5 N693  
Arrangement of vineyard.
- 90368 YUZBASHEVA, A. K. Georgian varieties of grape in Tadzhikistan. (Rus) Vinodel. i Vinograd. SSSR 3:51-52. 1964. 95.8 V77  
Culture.
- 90369 ZOBININ, V. I. New area of commercial grape culture and wines. (Rus) Vinodel. i Vinograd. SSSR 3:52-54. 1964. 95.8 V77  
Dagestan.

#### Nuts

- 90370 ITIE C., G. Grafting of the walnut. (Sp) Tierra [Mexico] 19(1):34,69. Jan.1964. 8 T445
- 90371 REED, J. H. Queen of the nuts. Frontiers 28 (2):57-59. Dec.1963. 410 F92  
History of pecans.
- 90372 SALA, R. Commerical varieties of almonds. (Sp) Cult. Mod. 46(10):365-366. Oct.1963. 15 C89
- 90373 SALA, R. Systems of grafting and pruning of almonds. (Sp) Cult. Mod. 47(5):171-172. May 1964. 15 C89
- 90374 SOLIGNAT, G. Suitability of chestnut clones for fruit or timber production. (Fr) Ann. de l'Amelior. des Plantes 14(1):87-85. 1964. 14 F8499A  
English summary.  
Selection.
- 90375 STEBBINS, R. L. Grafting walnut trees. Oreg. State U. Ext. Ext. C. 724, 4 p. Apr.1964. 275.29 Or32C
- 90376 TITOVA, V. G. Walnut in orchard protective stands. (Rus) Sadovodstvo 4:37. 1964. 80 Sa13
- 90377 VAILE, J. E. Performance of pecans in eastern Arkansas. Ark. Farm Res. 13(3):10. May/June 1964. 100 Ar42F

#### Shade Trees and Ornamental Plants

- 90378 ALOCITRO, F. The orchids. (Sp) Cult. Mod. 46(10):379-382. Oct.1963. 15 C89  
Taxonomy, culture, and pollination by insects.
- 90379 ALTDORFER, K. Pandanus, a beautiful house plant. (Hu) Kerteszlet es Szoleszet 13(11):11. June 1964. 80 K474
- 90380 ANDERSON, E. B. Rock gardens. London, Bles, 1963. 135 p. 97.14 An2  
Royal Horticultural Society, cooperating.
- 90381 ASTON, J. L., and BRADSHAW, A. D. Natural variation in Agrostis stolonifera L. (creeping bent) and the value of this grass in turf. Sports Turf Res. Inst. J. 11(39):7-18. 1963. 60.19 B772
- 90382 AVELLEN, L. Dahlia. (No) Norsk Hagetid. 80(3):147-149. June 1964. 80 N81  
Culture.
- 90383 BEECHER, A. S., GRUENHAGEN, R. H., and AMOS, J. M. The flowering dogwood [Cornus florida]. Va. Polytech. Inst. Agr. Ext. C. 948, 7 p. May 1964. 275.29 V81C
- 90384 BRILMAYER, B. All about miniature plants and gardens, indoors and out. Garden City, N. Y., Doubleday, 1963. 319 p. Ref. 97 B76
- 90385 BROWNE, R. A. For better gardens. Garden City, Doubleday, 1964. 278 p. Ref. 97 B81  
Ornamentals.



- 90386 CAMPBELL, F. J., and WARD, J. 1962-63 annual flower trials at the Waltham Field Station. Mass. Agr. Expt. Sta. Prog. Rpt. 4,33 p. Feb.1964. 100 M38Pr  
Varieties.
- 90387 CHIDAMIAM, C. Camellias for everyone. London, Faber & Faber, 1963. 140 p. Ref. 97.31 C43C  
Varieties and culture.
- 90388 CIZERON, J. Old and new snapdragons [*Antirrhinum*]. (Fr) Rev. Hort. 136(2259):661-669. May/June 1964. 80 R32
- 90389 COSTA, W. The farmstead yesterday and today, its landscaping as a task of agrarian structure. (Ge) Bayer. Landwirt. Jahrb. 41(1): 107-114. 1964. 18 L24
- 90390 COURY, T. Culture and fertilizing of ornamental plants and flowers. (Por) Rural 43(512):34-35. Dec.1963. 9.2 B733
- 90391 DAVIS, L. An appraisal of small ornamental trees in the garden. Arboretum B. 26(4):98-101,125. Winter 1963. 451 Ar1
- 90392 DAVIS, R. R., and others. Your lawn. Ohio. State U. Agr. Ext. B. 271,rev.,32 p. June 1964. 275.29 Oh32  
K. L. Bader, J. L. Caldwell, R. P. Holdsworth, B. F. Janson, O. L. Musgrave, R. E. Partyka, and E. W. Stroube, joint authors.  
Care.
- 90393 DEWERTH, A. F. Indoor landscaping with live foliage plants. Tex. Agr. Prog. 10(3):3-6. Summer 1964. 100 T31Te
- 90394 EINERT, A. E., and MURPHY, J. W. Studies with *Ilex cornuta* burfordi. Natl. Assoc. Col. & Teachers Agr. J. 8(1):18-19. Mar.1964. 275.9 N213  
Propagation by cuttings.
- 90395 ELLIOTT, R. Alpines for town gardens. Roy. Hort. Soc. J. 89(7):274-279. July 1964. 84 L84J  
For rock gardens.
- 90396 EPSTEIN, H. Choice low-growing shrubs; finding them is a challenge for the gardener. Plants & Gard. (n.s.)20(1):9-12. Spring 1964. 450 P694
- 90397 FARKAS, J. Hairy cactus species. (Hu) Buvar 9(1):40-41. Jan./Feb.1964. 410 B98
- 90398 FAUST, J. L., ed. The New York Times book of lawn care. New York, Knopf, 1964. Ref. 88 p. 97.6 F272
- 90399 FEARON, E. E. Flower growing for ungardeners. London, Jenkins, 1963. 141 p. 96 F31
- 90400 FRANKENFIELD, C. A new approach to utility line clearance. Arborist's News 28(11):81-85. Nov.1963. 99.8 Ar14  
Pruning and thinning of shade trees.
- 90401 GRESHAM, D. T. An appreciation of *Magnolia campbellii* subspecies *Mollicomata*. Morris Arboretum B. 15(2):29-31. June 1964. 451 P383
- 90402 GRESHAM, R. T. Recommended *Magnolias* for a beginner's collection. Arboretum B. 27(2): 40-41,47. Summer 1964. 451 Ar1
- 90403 HANG, V. The Obinitsa apple tree. (Es) Eesti Loodus 5:294. Sept./Oct.1963. 409.6 Ee7  
Ornamental.
- 90404 HARKNESS, B. Several yet-to-be-appreciated flowering shrubs. Plants & Gard. (n.s.)20(1): 13-15,63. Spring 1964. 450 P694
- 90405 HARNOCZI, G. *Primula* varieties in the ornamental garden. (Hu) Buvar 9(2):111-113. Mar./Apr.1964. 410 B98
- 90406 HARRIS, R. W. Pruning young landscape trees. Arboretum B. 27(1):7-8,22-23. Spring 1964. 451 Ar1
- 90407 HARST, J. VAN DER. Rose rootstock experiments. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:336-341. 1962, pub.1964. 90.09 C7616P  
Netherlands.
- 90408 HEIDE, O. M. *Streptocarpus*. (No) Garteneryrket 54(25):762-763. June 19,1964. 80 G1938  
Chiefly propagation by leaf cuttings.
- 90409 HERKLOTS, G. A. C. Flowers of the valley of Nepal. Roy. Hort. Soc. J. 89(7):294-300. July 1964. 84 L84J
- 90410 HERKLOTS, G. A. C. The foxglove tree, *Paulownia fortunei* Hemsley. Roy. Hort. Soc. J. 89(7):300-302. July 1964. 84 L84J
- 90411 HONEY, P. M. The tree surgeon in England today. Roy. Hort. Soc. J. 89(7):279-285. July 1964. 84 L84J
- 90412 HOTTENSTEIN, W. L. Turf management stretches maintenance dollars. Pub. Works 95(7):76-79. July 1964. 290.8 M922
- 90413 IHRIG, H. G. An amateur looks at *Rhododendron* seedlings. Arboretum B. 27(2):42,46. Summer 1964. 451 Ar1
- 90414 IWASAKI, T. Raising *Liliaceae* using cheese cloth. (Ja) Noko-to-Engei 18(4):122-123. Apr.1963. 22.5 N693
- 90415 JOHNSTONE, K. H. Garden forms of *Anemone coronaria*, L. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:81-84. Ref. 1962, pub.1964. 90.09 C7616P
- 90416 JONES, G. E. Autumn foliage and fruits. Plants & Gard. (n.s.)20(1):24-29. Spring 1964. 450 P694
- 90417 KAMMERER, E. L. Before you buy—. Morton Arboretum. B. Pop. Inform. 39(4):17-20. Apr. 1964. 99.9 M84  
Description of ornamental tree varieties.
- 90418 KAMMERER, E. L. Korean Azalea, *Sargent cherry* [*Prunus sargentii*], spring cherry [*Prunus subhirtella*], *Prunus* "Halley Jolivet" and Withers Pink Charm redbud [*Cercus canadensis*]. Morton Arboretum. B. Pop. Inform. 39(5):21-23. May 1964. 99.9 M84
- 90419 KIACZ, MRS. S. M. *Aglaonema* species. (Hu) Buvar 8(5):306-307. Sept./Oct.1963. 410 B98
- 90420 KNOBLOCH, I. W. Some hints for the fern culturist. Amer. Fern J. 54(2):73-76. Apr./June 1964. 450 Am35
- 90421 KOYAMA, M. A new type of ginger and how to raise it. (Ja) Noko-to-Engei 18(4):94-96. Apr.1963. 22.5 N693  
*Zingiber officinale*, raised as an ornamental.
- 90422 LAKING, L. How to achieve the best in flowering shrubs. Plants & Gard. (n.s.)20(1):30-32, 62. Spring 1964. 450 P694
- 90423 LAKING, L. How to prune established shrubs. Plants & Gard. (n.s.)20(1):33. Spring 1964. 450 P694
- 90424 LARSEN, G. S. Perennial borders. (No) Norsk Hagetid. 80(6):133-134. June 1964. 80 N81
- 90425 LUNDSTAD, A. Bush roses bloom longer. (No) Norsk Hagetid. 80(3):128-129. June 1964. 80 N81
- 90426 MAAS, F. VAN DER. *Myrtillocactus geometrizans*. Succulenta 43(6):87. June 1964. 450 Su12  
Text in Dutch.  
Culture.
- 90427 MCCARVER, O. Lawns, new and old. Mont. State Col. Ext. Folder 79,6 p. Ref. May 1964. 275.29 M76FoL
- 90428 MCCULLY, W. G. Agriculture travels the highway. Tex. Agr. Prog. 10(3):10-11. Summer 1964. 100 T31Te  
Roadside planting.
- 90429 MARK, G. Classification of roses. (Hu) Kerteszeti és Szoleszeti 13(11,sup.2):3-4. June 1964. 80 K474
- 90430 MARSTON, M. E. The propagation of plants from leaf-cuttings, with special reference to *Streptocarpus*. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:33-40. 1962, pub.1964. 90.09 C7616P
- 90431 MATSUI, K. The culture of potted *Chrysanthemums*. (Ja) Noko-to-Engei 18(4):86-88. Apr. 1963. 22.5 N693
- 90432 MATSUI, K. The results of raising cutting *Chrysanthemums* under cheese cloth covers. (Ja) Noko-to-Engei 18(4):114-117. Apr.1963. 22.5 N693

- 90433 MENNINGER, E. A. Seaside plants of the world; a guide to planning, planting, and maintaining salt-resistant gardens. New York, Hearstside Press, 1964. 303 p. Ref. 97.18 M52
- 90434 MILBURN, M. Viburnums. Arboretum B. 27 (1):5-6,24-25. Spring 1964. 451 Ar1 Culture and varieties.
- 90435 MILLIKEN, J. D. Plants are but one element in landscape design. Plants & Gard. (n.s.)20(1):16-17. Spring 1964. 450 P694
- 90436 MITRI, M. R. DI. Your house plants. (It) Agr. d'Ital. 10(5):71-74. Mar.1964. 16 Ag8232
- 90437 MOHRING, H. K. Kulturtechnisches Taschenbuch des Betriebsleiters im Blumen- und Zierpflanzenbau [Handbook for managers on cultural techniques in floriculture]. Ed. 2, rev. Berlin, Parey, 1964. 219 p. 96.04 M73
- 90438 MOWER, R. G., and others. Flowering shrub selections for different parts of the United States. Plants & Gard. (n.s.)20(1):34-57. Spring 1964. 450 P694  
F. C. Galle, J. E. Voight, G. W. Kelly, W. H. Earle, and J. A. Witt, joint authors.
- 90439 NAGY, B. Chrysanthemums. (Hu) Buvar 9(1):32-34. Jan./Feb.1964. 410 B98
- 90440 NEMES, L. Technique in grafting of cactus plants. (Hu) Buvar 8(4):239-241. 1963. 410 B98
- 90441 NESSET, H. The lawn in the searchlight. (No) Norsk Hagetid. 80(5):100-102. May 1964. 80 N81 Care.
- 90442 NEVLING, L. I. Climbing Hydrangeas and their relatives. Arnoldia 24(4/5):17-39. Ref. June 12,1964. 451 Ar6Ba
- 90443 NILSSON, A. Varieties originating from interspecific hybrids in annual Chrysanthemum. Agri Hortique Genet. 22(1/2):160-170. Ref. 1964. 64.8 Ag8
- 90444 NYGAARD, M. Trees and the neighbor law. (No) Norsk Hagetid. 80(5):103-105. May 1964. 80 N81
- 90445 OLIVER, R. W. Planning your garden. Canada. Dept. Agr. P. 1182,41 p. 1963. 7 C16Pu Landscaping.
- 90446 PARKS, C. E. Landscape design for a rural home. Kans. State U. Agr. Ext. C. 304,8 p. Mar.1964. 275.29 K13Ex
- 90447 PETERSEN, H. After flowering. (No) Norsk Hagetid. 80(5):130. June 1964. 80 N81 Care of bulb plants.
- 90448 ROBERTSON, R. Tree and shrub pruning. Arb. B. 26(4):107,124-125. Winter 1963. 451 Ar1
- 90449 SAKATA, K. The culture of *Habenaria radiata*. (Ja) Noko-to-Engei 18(4):97. Apr.1963. 22.5 N693
- 90450 SCANNELL, R. J., and LIEBERMAN, A. S. Landscape design for residential property. N. Y. State Col. Agr. (Cornell U.) Ext. Cornell Ext. B. 1099,rev.,8 p. July 1964. 275.29 N48E
- 90451 SCHERY, R. W. How to select the right turfgrass. Weeds & Turf 3(4):16-20,map. Apr. 1964. 79.8 W413
- 90452 SCHERY, R. W. Turfgrass portraits. I. Kentucky bluegrass. Weeds & Turf 3(7):12-13. July 1964. 79.8 W413
- 90453 SEIFERT, A. Away with the street trees! (Ge) Bl. f. Natenschutz. 44(1/2):24. Apr.1964. 279.8 B61
- 90454 SHEDESKY, P. Mums and asters never say die. Org. Gard. & Farming 11(8):52-53. Aug. 1964. 57.8 Or32 Varieties and culture.
- 90455 SHEEHAN, T. J., and ROSE, S. A. Garden Chrysanthemums. Fla. U. Agr. Ext. C. 182A, 8 p. Apr.1964. 275.29 F66C Culture and varieties.
- 90456 SINDING-LARSEN, G. Trees in small gardens and urban districts. (No) Norsk Hagetid. 80 (5):121. May 1964. 80 N81 Varieties and culture.
- 90457 STEINER, M. L. Contribution of Philippine plants to the gardens of the world. Internatl. Hort. Cong. [Proc.], 16th Cong.,v.4:85-89. 1962,pub.1964. 90.09 C7616P
- 90458 STEVENSON, T. Pruning guide for trees, shrubs, and vines. Washington, Luce, 1964. 144 p. 90.12 St4
- 90459 SUZUKI, K. Types of *Calanthe*. 2. (Ja) Noko-to-Engei 18(6):110-111. June 1963. 22.5 N693
- 90460 SUZUKI, S. Bara saibai junikagetsu [Rose growing throughout the year]. Tokyo, Toto Shobo, 1963. 190 p. 96.1 Su9
- 90461 SZUCS, L. House plants with colored leaves. (Hu) Buvar 8(5):300-302. Sept./Oct.1963. 410 B98
- 90462 SZUCS, L. Marshy plants in the indoor garden. (Hu) Buvar 8(4):234-236. July/Aug.1963. 410 B98
- 90463 SZUCS, L. Vegetative propagation of our house plants. (Hu) Buvar 9(3):171-175. May/June 1964. 410 B98
- 90464 TAYLOR, J. C. Annuals for the home garden. Ontario. Dept. Agr. P. 314,8 p. 1964? 7 On8P
- 90465 TERPO, A. Drought resistant plants of sunny porches. (Hu) Buvar 8(4):223-227. July/Aug. 1963. 410 B98
- 90466 THOMSON, R. Camellias hardy in the Philadelphia area. Morris Arboretum B. 15(2):33-34. June 1964. 451 P383
- 90467 TOOTELL, J. The theory and practice of the care of flowers, commonly called floristry. London, Hamilton, 1963. 133 p. 96.03 T62
- 90468 VIERTEL, A. T. Shrubs in a naturalistic landscape; native plant selections for the Northeastern States. Plants & Gard. (n.s.)20(1):18-23. Spring 1964. 450 P694
- 90469 VOROSS, L. ZS. The curveleaf yucca (*Yucca recurvifolia* Salisb. (Hu) Buvar 8(6):366-367. Nov./Dec.1963. 410 B98
- 90470 VUOTO, V. World's fair landscaping. Amer. Nurseryman 70(2):10-11,116,118,120,122. July 15,1964. 80 Am371
- 90471 WEIR, F. J. Roses for Manitoba. Manitoba. Dept. Agr. & Conserv. P. 329,rev.,8 p. May 1964. 275.29 M313 Varieties and culture.
- 90472 WILLE, D. Cuttings and grafts of *Rhododendron simsii* Planch (Indian Azalea) under automatic mist. (Fr) Internatl. Hort. Cong. [Proc.], 16th Cong.,v.4:416-421. 1962,pub.1964. 90.09 C7616P
- 90473 WILSON, R. G., and WILSON, C. Bromeliads in cultivation, vol. I. Coconut Grove, Fla., Hurricane House, 1963. 126 p. 96.513 W69
- 90474 WISTER, G. S. Hardy garden bulbs. New York, Dutton, 1964. 176 p. Ref. 96.4 W762
- 90475 WOLTZ, S. S., MAGIE, R. O., and WATERS, W. E. Gladiolus for the home gardener. Fla. U. Agr. Ext. C. 188A,7 p. June 1964. 275.29 F66C Culture.
- 90476 WYMAN, D. The American holly [*Ilex opaca*] in the United States. Internatl. Hort. Cong. [Proc.], 16th Cong.,v.4:342-344. 1962,pub.1964. 90.09 C7616P Varieties.
- 90477 WYMAN, D. Registration list of cultivar names of *Fagus L.* Arnoldia 24(1):1-8. Feb.28,1964. 451 Ar6Ba
- 90478 WYMAN, D. Tree trunks. Arnoldia 23(11/12):123-130. Dec.13,1963. 451 Ar6Ba Varieties.
- 90479 YAMAMOTO, H. *Cattleya* and its associates. (Ja) Noko-to-Engei 18(5):108-110. May 1963. 22.5 N693
- 90480 YNGBORN, Y. We long for rare varieties of tartarian honeysuckle [*Lonicera tatarica* Zabelii]. (No) Norsk Hagetid. 80(6):150-151. June 1964. 80 N81

## Vegetable and Truck Crops (Including Potatoes)

- 90481 BARADA, L. Careful selection—healthy seed potato. (Hu) Magyar Mezogazdasag 19(21):10-11. May 20,1964. 19 M27



- 90482 BARADA, L. Production of seed potatoes. (Hu) Termeloszovetkezetek Tanacsadoja 24:6-7. June 10, 1964. 280.28 T272
- 90483 BEATTY, D. W. J. A new look at the potato crop. Farmers' J. (n.s.)3(36):39. Apr. 3, 1964. 10 F2234  
Culture.
- 90484 BLEASDALE, J. K. A. Cropping in a weed-free environment. Span 7(1):33-36. 1964. 464.8 Sp2  
Chiefly spacing of vegetables and cereals.
- 90485 BOERTJE, G. A. Plastic pots for vegetable culture. (Du) Groenten en Fruit 19(51):2249. June 24, 1964. 80 G89
- 90486 BOONEN, P. Greenhouse culture of cucumbers. (Du) Groenten en Fruit 19(51):2215, 2217. June 24, 1964. 80 G89
- 90487 BORKOWSKI, J. Observations on the best varieties from the tomato collection in 1958-1961. (Pol) B. Warzywnicz 6:69-80. Ref. 1961/62. 80 B54  
English summary.
- 90488 BOULAY, H. Intensive truck-gardening and fertilization. (Fr) Potasse 38(314):81-87. Apr. 1964. 57.8 P84
- 90489 BOWERS, J. L., and BOWDEN, H. L. Cucumber breeding in Arkansas. Ark. Farm Res. 13(3):8. May/June 1964. 100 Ar42F
- 90490 BUCZAK, E. The influence of onion and leek crop on early carrots which follow. (Pol) B. Warzywnicz 6:107-117. Ref. 1961/62. 80 B54  
English summary.
- 90491 BUISHAND, T. New developments in endive culture. (Du) Groenten en Fruit 19(49):2127. June 10, 1964. 80 G89
- 90492 BUISHAND, T. Spinach, a difficult plant. (Du) Groenten en Fruit 19(48):2063. June 3, 1964. 80 G89  
Culture.
- 90493 BUTLER, A. N. L., and KERR, E. A. Tomatoes for processing. Ontario. Dept. Agr. P. 491,24 p. Jan. 1964. 7 On8P
- 90494 CAMPBELL, J. C. Experiences in production, harvesting and handling potatoes in New Jersey. Ohio Veg. & Potato Growers Assoc. Growers Handb. & Annu. Proc. 49:83-90. 1964. 75.9 Oh3
- 90495 CHERMNYKH, L. Autumn culture of tomatoes. (Rus) Kartoffel' i Ovoshchi 5:30-31. May 1964. 75.8 K147
- 90496 COURTER, J. W. Greenhouse tomato production: feasibility in southern Illinois. Ill. Res. 6(3):14-15. Summer 1964. 100 IL64  
Includes varieties.
- 90497 COYNE, D. P., and SCHUSTER, M. L. Nebraska bean research; progress toward a seed industry. Nebr. Expt. Sta. Q. 10(4):13-14. Winter 1964. 100 N27N  
Chiefly breeding.
- 90498 DASKALOV, KH. Situation and results of studies on heterosis of some vegetables in Bulgaria. (Bu) Mezhdunarodno Nauchno Suvestanie po Kheterozisa. [Mater] 1961:9-25. Ref. 1962. 463.62 M57  
German summary.
- 90499 ENTENMANN, F. M., and MORRISON, K. J. Growing lentils in Washington. Wash. State U. Agr. Ext. Ext. Mimeo. 2412,2 p. May 1964. 275.29 W27Mi
- 90500 ERMOLENKO, I. Increase of the production of squash. (Rus) Kartoffel' i Ovoshchi 5:38-39. May 1964. 75.8 K147
- 90501 FUJIE, K. The technique of controlled production of cucumber by means of vinyl houses for the November high market price. (Ja) Noko-to-Engei 18(5):26-28. May 1963. 22.5 N693
- 90502 GABRYL, J. Further results of the comparison of F<sub>1</sub> hybrids from U.S.A. with best Polish varieties of onions-Skierniewice 1961/62. (Pol) B. Warzywnicz 6:217-224. 1961/62. 80 B54  
English summary.
- 90503 GANDOLFI, V. Planning in the culture of tomatoes for industrial use. (It) Mostra Internaz. delle Conserve ed Imballaggi. Cong. 18:169-171. Sept. 20/30, 1963. 389.9 M854  
Planting.
- 90504 GONCHAROV, N. Breeding early varieties of potatoes. (Rus) Kartoffel' i Ovoshchi 5:14-15. May 1964. 75.8 K147
- 90505 GOODING, H. J. Yield and storage experiments with the potato, *Solanum tuberosum*, in Trinidad. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:551-558. 1962, pub. 1964. 90.09 C7616P
- 90506 HALDER, C. Ergebnisse der Sortenversuche mit Kartoffeln und Futterrübren 1963 [Results of varietal research with potatoes and turnips, 1963]. Gumpenstein. Bundesanst. f. Alpenländische Landwirt. Versergeb. 68,35 p. 1964. 19 Ad6V
- 90507 HAMASHIMA, N. The solutions to the problems of raising foreign vegetables. 3. Problems and their solutions in raising foreign vegetables in extremely cold regions. (Ja) Noko-to-Engei 18(5):36-38. May 1963. 22.5 N693
- 90508 HEIDRICK, L., and others. General recommendations on potato culture in the Sabana de Bogota. (Sp) Rev. Nac. de Agr. 703:43-45. Nov. 1963. 9.4 R32  
N. Estrada, L. Lujan, E. Perez, and R. Estrada, joint authors.
- 90509 HILDEN, D., and ROPER, L. Make late vegetable plantings now. Org. Gard. & Farming 11(8):37-39. Aug. 1964. 57.8 Or32
- 90510 HOAG, E. Variety testing of greenhouse tomatoes. Ohio Veg. & Potato Growers Assoc. Growers Handb. & Annu. Proc. 49:65-66. 1964. 75.9 Oh3
- 90511 HOLLE, M. Practical classification of important varieties of vegetables in Peru. (Sp) Agronomia [Lima] 30(2):40-46. 1963. 9.8 Ag83
- 90512 HORST. PROEFSTATION VOOR DE CHAMPIGNONCULTUUR. Algemeen verslag [Annual report, 1962]. Champignoncultuur 7(extra no.): 255-263. Nov. 1963. 80 C35
- 90513 IVANOVA, K. Cress. (Rus) Kartoffel' i Ovoshchi 5:28-29. May 1964. 75.8 K147  
Culture.
- 90514 IWAMI, N. The solutions to the problems of raising foreign vegetables. 2. Problems and their solutions in raising foreign vegetables in ordinary regions. (Ja) Noko-to-Engei 18(5):33-35. May 1963. 22.5 N693
- 90515 KAMIMURA, S., ABE, I., and OWADA, T. Conditions of cultivation of tomatoes used for processing overseas. (Ja) Nogyo Gijutsu 18(5):22-24; (6):12-14. May-June 1963. 22.5 N6829  
Types grown.
- 90516 KAPELEV, I. G. Two yields from an irrigated hectare of land. (Rus) Sadovodstvo 4:12-13. 1964. 80 Sa13  
Cabbage as a catch crop in vineyards.
- 90517 KARMANOV, S., and KONONUCHENKO, E. Wide-row planting of potatoes. (Rus) Kartoffel' i Ovoshchi 5:5-7. May 1964. 75.8 K147
- 90518 KARPATI, Z. The origin of Brassica species. (Hu) Elovilag 9(3):27-30. Ref. May/June 1964. 410 EL6
- 90519 KENMOTSU, S. Cultivation techniques for the plateau cabbage which has a monopoly on the market during August and September. (Ja) Noko-to-Engei 18(5):43-45, map. May 1963. 22.5 N693
- 90520 KEPKOWA, A. Comparison of parthenocarpic greenhouse cucumber varieties and hotbed varieties needing pollination grown in a greenhouse. (Pol) B. Warzywnicz 6:253-268. Ref. 1961/62. 80 B54  
English summary.
- 90521 KEYZER, R. DE. Comparison of tomato varieties. (Fl) Tuinbouwberichten 28(2):62-63. Feb. 1964. 80 T817
- 90522 KHANNA, M. L., and NIRULA, K. K. Breeding potatoes for resistance to root-knot nematode [*Meloidogyne incognita*]. Cur. Sci. 33(10):314. May 20, 1964. 475 Sci23  
India.

- 90523 KIHARA, J. Controlled cultivation of tomatoes on farm fields. (Ja) Noko-to-Engei 18(4):26-28. Apr.1963. 22.5 N693
- 90524 KIPER, I. Coordination of spring and summer plantings on seed potato plots. (Rus) Kartoffel' i Ovoshchi 3:8-9. Mar.1964. 75.8 K147
- 90525 KOMKOVA, M., and CHUKINA, A. New varieties of potatoes. (Rus) Kartoffel' i Ovoshchi 5:12-13. May 1964. 75.8 K147
- 90526 KOOMEN, J. P. New ways of growing cucumbers. (Fl) Tuinbouwberichten 28(2):52-55. Feb.1964. 80 T817  
In Netherlands.
- 90527 KOTOV, A. Accelerated culture of potato tubers. (Rus) Kartoffel' i Ovoshchi 2:6-8. Feb. 1964. 75.8 K147
- 90528 KOZLOWSKA, M., WOLINSKA, D., and CI-CHOR, W. Results of two year experiments with spring and fall production of field grown cauliflowers. (Pol) B. Warzywnicy 6:81-88. 1961/62. 80 B54  
English summary.
- 90529 LE MARCHAND, G. Trial of the synthesis on the orientation to be given to the selection of beans in the frame of reference of the aid to developing countries. (Fr) Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:437-446. 1962, pub.1964. 90.09 C7616P
- 90530 LITYNSKI, M. The influence of several pruning methods on the yield of greenhouse cucumbers. (Pol) B. Warzywnicy 6:269-276. 1961/62. 80 B54  
English summary.
- 90531 LOWER, F. Potato variety evaluation on grower farms. Ohio Veg. & Potato Growers Assoc. Growers Handb. & Annu. Proc. 49:96-97. 1964. 75.9 Oh3
- 90532 MACEWICZOWA, L. A comparison of the productive value of several varieties of greenhouse tomatoes. (Pol) B. Warzywnicy 6:277-285. 1961/62. 80 B54  
English summary.
- 90533 MALKOV, A., and PETROVA, V. Means of increasing yields and keeping quality of potatoes. (Rus) Kartoffel' i Ovoshchi 2:14-15. Feb.1964. 75.8 K147  
With seed treatment.
- 90534 MAMIYA, T. The effect of vinylon cheesecloth on the growing characteristics of parsley. (Ja) Noko-to-Engei 18(4):111-113. Apr.1963. 22.5 N693
- 90535 MANDY, GY. From wild potato-to cultivated potatoes. (Hu) Buvar 8(6):341-344, map. Nov./Dec.1963. 410 B98
- 90536 MARLOWE, G. A. Potato research program progress report, 1963. Ohio Veg. & Potato Growers Assoc. Growers Handb. & Annu. Proc. 49:67-82. 1964. 75.9 Oh3
- 90537 MARUKAWA, Y. Problems in management and the techniques involved in growing tomatoes out of season. (Ja) Noko-to-Engei 18(6):67-69. June 1963. 22.5 N693
- 90538 MARX, G. A., and others. Improved germ plasm for pea breeders. N. Y. (State) Agr. Expt. Sta. Res. C. Ser. 1,4 p. Oct.1963. 100 N48R  
W. Mishanec, D. W. Barton, W. T. Schroeder, and R. Providenti, joint authors.
- 90539 MIERNIK, B. Comparison of F<sub>1</sub> hybrids with parental varieties and evaluation of the cross-breeding quality of the latter. (Pol) B. Warzywnicy 6:311-334. Ref. 1961/62. 80 B54  
English summary.
- 90540 MUNOZ FLORES, I. Varieties of vegetables recommended in Mexico. (Sp) Tierra [Mexico] 18(12):931,982. Dec.1963. 8 T445
- 90541 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Het doodspuiten van het loof van pootaardappelen [Killing of vines of seed potatoes through spraying]. Netherlands. Plantenziektenk. Dienst. Ber. 1567,4 p. July 5,1963. 464.9 N38
- 90542 NGJELA, L. Determination of optimum distances of potato planting. (Al) B. i Shkencave Bujqesore 3(1):39-48. 1964. 21.5 B87  
English summary.
- 90543 NISHIGAKI, S. Varieties and cultivation techniques of cauliflower. (Ja) Noko-to-Engei 18(6):82-84. June 1963. 22.5 N693
- 90544 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Tomato growing in glasshouses. North. Ireland. Min. Agr. L. 88,18 p. Jan.1964. 10 N81
- 90545 OHIO VEGETABLE AND POTATO GROWERS ASSOCIATION. Growers handbook and 49th annual proceedings, 1964. n.p., 1964. 126 p. 75.9 Oh3
- 90546 OKA, R. The long-term controlled cultivation of April tomatoes. (Ja) Noko-to-Engei 18(4):19-22. Apr.1963. 22.5 N693
- 90547 OKA, R. Tomato cultivation during December and January in vinyl greenhouses. (Ja) Noko-to-Engei 18(6):70-73. June 1963. 22.5 N693
- 90548 OKAMI, M. The cultivation of Chinese cabbage and celery with cheese cloth. (Ja) Noko-to-Engei 18(4):119-120. Apr.1963. 22.5 N693
- 90549 OSKAREV, V. I. Lime dosage and composition of peat potting mixtures for growing of tomatoes in northern Tomsk Region. (Rus) Tomsk. Gosud. Sel'skokhoz. Opytn. Sta. Sborn. Nuachno-Issled. Rabot po Sel'sk. Khoz. 1962:77-90. 106 T59
- 90550 PEA GROWING RESEARCH ORGANISATION. Annual report, 1963. Yaxley, 1964. 27 p. 60.39 P31
- 90551 PECAUT, P., LATERROT, H., and BROSSIER, J. O. Description of new varieties of tomato selected at the Station d'Amelioration des Plantes Maraicheres. (Fr) Ann. de l'Amelior. des Plantes 14(1):87-95. 1964. 14 F8499A
- 90552 PERLASCA, G. Cultural and qualitative characteristics of tomatoes for industry. (It) Mostra Internaz. delle Conserve ed Imballaggi. Cong. 18:161-164. Ref. Sept.20/30,1963. 389.9 M854
- 90553 PRISZTER, SZ., and ECKER, I. Our neglected useful plant, Helianthus tuberosus. (Hu) Buvar 8(5):297-299. Sept./Oct.1963. 410 B98  
Culture.
- 90554 PRUTESCU, E., and others. The conduct of early cabbage lines 111 and 123 produced at the Agricultural Institute Timisoara. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:161-166. 1963. 106.4 T48  
V. Caraus, C. Calu, and S. Vacaru, joint authors.  
English summary.
- 90555 PUDELSKI, T. The utilization of high peat for the production of vegetable seedlings. (Pol) B. Warzywnicy 6:287-305. Ref. 1961/62. 80 B54  
English summary.
- 90556 REIFMAN, V., and MARTYNOVA, R. Method of improvement of seed potatoes. (Rus) Kartoffel' i Ovoshchi 5:16-17. May 1964. 75.8 K147  
Processing with solution of potassium salts.
- 90557 SAMBANDAM, C. N. Natural cross pollination in eggplant (Solanum melongena). Econ. Bot. 18(2):128-131. Apr./June 1964. 450 Ec7
- 90558 SAZONOVA, L. Pioneer of polar agriculture. (Rus) Kartoffel' i Ovoshchi 2:26-29. Feb.1964. 75.8 K147  
Leningrad. Vsesoyuznyi Institut Rastenievodstva, Polyarnaya Opytnaya Stantsiya, work in vegetable breeding.
- 90559 SHEVELEV, N. E. The role of parental varieties and the temperature on the formation of hybrid fruits of tomatoes. (Rus) Selek. i Semen. 2:70. Mar./Apr.1964. 61.9 Se5
- 90560 SHIKAYA, M. The culture of lettuce using cheese cloth. (Ja) Noko-to-Engei 18(4):120-121. Apr.1963. 22.5 N693
- 90561 SHIRKO, V. N., and KHROBRYKH, N. D. Methods of evaluation of initial material for breeding of potatoes resistant to Rhizoctonia. (Rus) Trudy po Prikl. Bot. Genet. i Selek. 35(2):204-209. 1963. 451 R92  
English summary.  
Rhizoctonia solani.



- 90562 SIEVEKING, W. E. Potatoes for the home garden. Oreg. State U. Ext. FS 68,2 p. May 1964. 275.29 Or36
- 90563 SLOJEWSKI, R. Evaluation of one year of the new program for seed potato production in Wroclaw province. (Pol) Nowe Roln. 12(19): 31-32. Oct.1/15,1963. 20.5 N86
- 90564 SPIRIDONOVA, A. Bengal method of growing vegetables. (Rus) Kartoffel' i Ovoshchi 5:36-38. May 1964. 75.8 K147  
Soilless culture.
- 90565 SPRUYT, J. Late witloof culture. (Fl) Tuin-  
bouwberichten 28(2):48-50. Feb.1964.  
80 T817
- 90566 STEINBUCH, E. Broadbeans for processing.  
(Du) Conserva 12(12):295-301. June 1964.  
389.8 C7632  
English summary.  
Culture and grading.
- 90567 STEPHENS, J. M., and JAMISON, F. S. Vege-  
table gardening guide. Fla. U. Agr. Ext. C.  
104C,12 p.-folder. Mar.1964. 275.29 F66C  
Published jointly with Florida Agricultural  
Experiment Station.
- 90568 SZOKE, A., and SZOKE, B. Cultivating Matti-  
rolomyces terfeziodes. (Hu) Buvar 9(2):94-96.  
Mar./Apr.1964. 410 B98  
Mushroom.
- 90569 TAMURA, S. The solutions to the problems of  
raising foreign vegetables. 1. Problems and  
their solutions in warm regions. (Ja) Noko-to-  
Engei 18(5):29-32. May 1963. 22.5 N693
- 90570 TAZAKI, T. Controlled cultivation of tomatoes  
on level ground. (Ja) Noko-to-Engei 18(4):  
23-25. Apr.1963. 22.5 N693
- 90571 TKACHENKO, F. A. Gibrudnoe semenovodstvo  
ovoshchnykh kul'tur [Hybridization of  
vegetables]. Moskva, Izdatel'stvo Sel'skokho-  
zyaistvennoi Literatury, Zhurnalov i Plakatov,  
1963. 199 p. Ref. 463.62 T54
- 90572 TOWN, P. A. Intensive vegetable production in  
the forest zone of Ghana. Internatl. Hort. Cong.  
[Proc.], 16th Cong.,v.4:464-473. 1962,pub.1964.  
90.09 C7616  
Includes discussion.
- 90573 T'UNG, M. C., and others. The question of  
comparative planting of sweetpotatoes in the  
T'ang-shan area. (Ch) Chung Kuo Nung Pao 7:  
39-40. July 1963. 22.5 C473  
H. C. Men, F. H. Wang, and S. H. Li,  
joint authors.  
Yields.
- 90574 UNK, J. Production of table bean. (Hu) Ma-  
gyar Mezogazdasag 19(18):8-9. Apr.29,1964.  
19 M27
- 90575 VELOSO, J. A. Quantity or quality? Comments  
on potato varieties. (Sp) Inst. Agr. Catalan de  
San Isidro. Rev. 113(5):109-111. May 1964.  
15 Sa5
- 90576 VIVANCOS GUERAO, I. Study of the varieties  
of paprika peppers suited to the Segura River  
Basin. (Sp) Agricultura [Madrid] 33(383):141-  
147. (Concl.) Mar.1964. 15 Ag84
- 90577 VOGEL, J., GRIESS, H., and GULDNER, R.  
Varietal selection in potato culture after winter  
catch crops. (Ge) Deut. Landwirt. 15(2):87-  
89. Feb.1964. 18 D4822
- 90578 WANG, H. C. "Ta ming lu." (Ch) Chung Kuo  
Nung Pao 4:37. Apr.1963. 22.5 C473  
A type of lentil.
- 90579 WELLESBOURNE (ENG.) NATIONAL VEGE-  
TABLE RESEARCH STATION. Fourteenth an-  
nual report, 1963. n.p., Brit. Soc. Prom. Veg.  
Res., 1964. 93 p.,map. 84 W45
- 90580 WHITAKER, T. W., and others. Lettuce and  
its production. (Sp) Tierra [Mexico] 18(12):  
930,983-984. Dec.1963. 8 T445  
United States.
- 90581 WHITAKER, T. W., and others. Lettuce and  
its production. (Sp) Tierra [Mexico] 19(1):31,  
86-87. (Cont.) Jan.1964. 8 T445  
Harvesting and marketing in the United States.
- 90582 WIEBE, J. Greenhouse vegetable production in  
Ontario. Ontario. Dept. Agr. P. 526,28 p. Jan.  
1964. 7 On8P
- 90583 YEH, C. L. Cabbage culture. (Ch) Nongye  
Jishu 11:29-31. Nov.1963. 22.5 N929
- 90584 YURINA, O. How to grow large pumpkins.  
(Rus) Kartoffel' i Ovoshchi 5:40. May 1964.  
75.8 K147
- 90585 ZINGSTRA, H. Incentive awards to potato  
breeders. (Du) Nederland. Alg. Keuringsdienst  
v. Landbzaden. en Aardappelpootgoed. Meded.  
20(11):108-109. Mar.1964. 61.9 N28

## WEEDS AND POISONOUS PLANTS

- 90586 ABBASOV, YA. M. Chemical control of cotton  
weeds. (Rus) Khlopkovodstvo 5:30. May 1964.  
72.8 K522
- 90587 ASHBAUGH, F. A. How to answer the critics  
of roadside spraying. Weeds & Turf 3(7):8-10.  
July 1964. 79.8 W413
- 90588 BAKER, J. B. Ways to create student interest  
in weed control. South. Weed Conf. Proc., 17th  
Annu. Mtg.:401-402. 1964. 79.9 So8
- 90589 BAKSHI, T. S. Control of Vossia cuspidata, an  
aquatic weed of growing importance. Span 7(1):  
37-39. 1964. 464.8 Sp2  
Includes control with Gramevin and Weedazol  
TL.
- 90590 BAYER, D. E. Johnsongrass control. Calif.  
Weed Conf. Proc., 16th Annu. Conf.:11-12.  
1964. 79.9 C122
- 90591 BAYER, D. E. Surfactants and diuron. Calif.  
Weed Conf. Proc., 16th Annu. Conf.:105-106.  
1964. 79.9 C122
- 90592 BENCZE, J. Prognosis of weed infection of  
arable land. (Hu) Buvar 8(4):195-199.  
July/Aug.1963. 410 B98  
Causes of dissemination, chiefly.
- 90593 BERGER, G., and MONSELISE, S. P. Phyto-  
toxicity of indirectly applied 3 amino-1,2,4 tria-  
zole to citrus seedlings. Internatl. Hort. Cong.  
[Proc.], 16th Cong.,v.4:525-532. Ref. 1962,  
pub.1964. 90.09 C7616P  
Control of Cynodon dactylon and Cyperus ro-  
tundus.
- 90594 BETTINGER, L. Our experiences with chemi-  
cal weed control in tomatoes and peppers.  
Ohio Veg. & Potato Growers Assoc. Growers  
Handb. & Annu. Proc. 49:113-114. 1964.  
75.9 Oh3
- 90595 BINGHAM, S. W., and SCHMIDT, R. E. Crab-  
grass control in turf. South. Weed Conf. Proc.,  
17th Annu. Mtg.:113-122. Ref. 1964. 79.9 So8  
Digitaria sanguinalis and D. ischaemum.
- 90596 BISWAS, P. K., MILES, E. T., and FARLEY,  
W. H. Weed control in sweet potato and peanut.  
South. Weed Conf. Proc., 17th Annu. Mtg.:204-  
206. 1964. 79.9 So8
- 90597 BOHL, K., HICKSTEIN, E., and LAU, A. Me-  
chanical control of wild oats. (Ge) Wiss.-  
Tech. Fortschr. f. die Landwirt. 5(2):75-77.  
Feb.1964. 18 W763  
Various control measures including tillage.
- 90598 BOTHE, C. W., and YAZELL, D. H. Fire  
guard protection using helicopter application of  
granulars in California on the Atchison, Tope-  
ka and Santa Fe railway system. South. Weed  
Conf. Proc., 17th Annu. Mtg.:301. 1964.  
79.9 So8
- 90599 BRUNS, V. F. Crop tolerance to herbicides in  
irrigation water. Calif. Weed Conf. Proc.,  
16th Annu. Conf.:40-42. 1964. 79.9 C122
- 90600 BRUSH up on brush control: this basic manual  
on brush control is meant as a refresher for  
old pro's and as an introduction for neophytes.  
Weeds & Turf 3(5):12-14,16,18,20. May 1964.  
79.8 W413
- 90601 BURGIS, D. S. Tolerance of the new pole bean  
variety Dade to the herbicide EPTC. South.  
Weed Conf. Proc., 17th Annu. Mtg.:217-220.  
1964. 79.9 So8
- 90602 BURT, E. O. Tolerance of warm season turf-  
grasses to herbicides. South. Weed Conf.  
Proc., 17th Annu. Mtg.:123-126. 1964.  
79.9 So8
- 90603 CALIFORNIA WEED CONFERENCE. Pro-  
ceedings, sixteenth annual conference, Janu-  
ary 21-23, 1964, Sacramento. Davis, 1964.  
146 p. Ref. 79.9 C122

- 90604 CHECK the weed. (Ge) Tech. u. Landwirt. 16 (12):294-297. June 25, 1964. 58.8 T223  
Chemical control.
- 90605 CLAGUE, T. E. Results observed from herbicide incorporation, and evaluation of incorporation methods, using fluorescent dye. South. Weed Conf. Proc., 17th Annu. Mtg.:153-156. 1964. 79.9 So8
- 90606 COATS, G. E., and others. Persistence of diquat and paraquat in pools and ponds. South. Weed Conf. Proc., 17th Annu. Mtg.:308-320. 1964. 79.9 So8  
H. H. Funderburk, J. M. Lawrence, and D. E. Davis, joint authors.
- 90607 COPITHORNE, M., and others. Get rid of the brush and grow grass. Canad. Cattlemen 27(6):6-10, 17, 20-22. June 1964. 49 C16  
D. McKinnon, J. A. Campbell, and H. MacDonald, joint authors.
- 90608 COUCH, R. W., and others. The control of cat-sear [*Hypochoeris radicata*], Dallisgrass [*Paspalum dilatatum*], carpetgrass [*Axonopus affinis*], and other lawn weeds in Bermudagrass [*Cynodon dactylon*] turf. South. Weed Conf. Proc., 17th Annu. Mtg.:107-111. Ref. 1964. 79.9 So8  
R. I. D. Murphy, D. E. Davis, and H. H. Funderburk, joint authors.
- 90609 CRAFTS, A. S. Taking stock in weed control. Calif. Weed Conf. Proc., 16th Annu. Conf.:1-8. 1964. 79.9 C122  
Development of chemical weed control.
- 90610 CSONGRADY, MRS. M. Chemical weed control of sunflower. (Hu) Magyar Mezogazdasag 19 (20):11. May 13, 1964. 19 M27
- 90611 CUNNINGHAM, W. A., and ANDREWS, H. Chemical weed control on burley and dark fire-cured tobacco. South. Weed Conf. Proc., 17th Annu. Mtg.:138-144. Ref. 1964. 79.9 So8
- 90612 CUTHBERTSON, E. G. Selective herbicidal control of barley grass [*Hordeum leporinum*] in pasture and lucerne. Weed Res. 4(2):123-132. Ref. June 1964. 79.8 W412  
Australia.
- 90613 DARBY, F. Responsibility of the agricultural commissioner in weed control. Calif. Weed Conf. Proc., 16th Annu. Conf.:98-100. 1964. 79.9 C122
- 90614 DAVIS, D. E. Physiology and history of herbicides in cotton. South. Weed Conf. Proc., 17th Annu. Mtg.:10-24. Ref. 1964. 79.9 So8
- 90615 DERIGO, H. T. Pre- and post-emergence chemical weed control in Chinese waterchestnut [*Eleocharis dulcis*]. South. Weed Conf. Proc., 17th Annu. Mtg.:333-335. 1964. 79.9 So8
- 90616 DERSCHIED, L. A. Perennial weed control outlook. Crop Quality Council. Ext. Conf. Rpt. 1962:35-38. 464.9 N813  
Chiefly thistle control in South Dakota.
- 90617 DUKE, G. B., CHAPPELL, W. E., and RUD, O. E. Influence of production practices on weeds and yield of peanuts in Virginia. South. Weed Conf. Proc., 17th Annu. Mtg.:162-170. 1964. 79.9 So8
- 90618 DUNHAM, R. S. Crop losses from weeds in the North Central States. Crop Quality Council. Ext. Conf. Rpt. 1963:29-34. 464.9 N813
- 90619 EBNER, L. Tenoran, a new selective herbicide for horticulture. (Ge) Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:195-200. 1962, pub. 1964. 90.09 C7616P
- 90620 ENGLE, J. B. Review of industrial weed control problems. Calif. Weed Conf. Proc., 16th Annu. Conf.:17-22. 1964. 79.9 C122
- 90621 ERDOS, P. Remarks on dodder control. (Hu) Magyar Mezogazdasag 19(22):14. May 27, 1964. 19 M27
- 90622 EVANS, S. The herbicidal control of broad-leaved and grass weeds in established grassland. Brit. Grassland Soc. J. 19(2):205-211. Ref. June 1964. 60.19 B773
- 90623 FARISH, H. T. Planning and carrying out a weed control program. South. Weed Conf. Proc., 17th Annu. Mtg.:378-382. 1964. 79.9 So8  
In Mississippi.
- 90624 FORET, J. A., SOLYMOSY, S. L., and ZURBURG, F. W. 2,4-D and diglycolic acid as an herbicide for submerged aquatic weeds. South. Weed Conf. Proc., 17th Annu. Mtg.:302. 1964. 79.9 So8
- 90625 FRANS, R. E. Further aspects concerning the use of dicryl, diuron, and DMA as cotton post-emergence herbicides. South. Weed Conf. Proc., 17th Annu. Mtg.:74-81. 1964. 79.9 So8
- 90626 GALAMB, B. Chemical weed control of pastures and meadows. (Hu) Magyar Mezogazdasag 19(21):15. May 20, 1964. 19 M27
- 90627 GANTENBEIN, T. H. Selective weed control in northern California crops. Calif. Weed Conf. Proc., 16th Annu. Conf.:61-65. 1964. 79.9 C122
- 90628 GANTENBEIN, T. H. Weed control in small grains and rice. Calif. Weed Conf. Proc., 16th Annu. Conf.:60-61. 1964. 79.9 C122
- 90629 GIMESI, A. Biology and control of dodder. (Hu) Buvar 9(3):156-160. May/June 1964. 410 B98
- 90630 GORDINIER, E. J. How to compute herbicide application rates. Mich. Dept. Conserv. Game Div. Inform. C. 132, 6 p. Apr. 10, 1963. 412.9 M58I  
Dalapon formulations and dosage.
- 90631 GORDON, W. E. Development of cotton herbicides. South. Weed Conf. Proc., 17th Annu. Mtg.:43-48. 1964. 79.9 So8
- 90632 GOURNAY, X. DE. Control of mouse foxtail (*Alopecurus myosuroides* Huds.) in winter wheat fields. I. Biological data and cultural methods. (Fr) Ann. de Physiol. Veg. 5(3):228-247. Ref. 1963. 451 F8432  
English summary.
- 90633 GRANSTROM, B. Chemical control of couchgrass in the winter. (Sw) Lantmannen 75(6):154. Feb. 8, 1964. 11 L234
- 90634 GRANSTROM, B. Herbicides for the control of weeds. (Sw) Kem. Vaxtskyddsmedel 1963:40-56. 385 K313
- 90635 GREEN, D. H. Herbicide trials in new-planted pyrethrum, 1962-63. Arusha. Trop. Pesticides Res. Inst. Misc. Rpt. 404, 6 p. June 1963. 423.92 G7922
- 90636 GREEN, D. H., and KALOGERIS, B. Herbicide trials on beans, 1963. Arusha. Trop. Pesticides Res. Inst. Misc. Rpt. 421, 13 p. 1963. 423.92 G7922
- 90637 GREEN, D. H., and KALOGERIS, B. A preliminary herbicide screening trial on groundnuts. Arusha. Trop. Pesticides Res. Inst. Misc. Rpt. 418, 6 p. 1963. 423.92 G7922
- 90638 GUEDEZ ACEVEDO, H., and CARDENAS C., H. Herbicidas en terrenos no cultivados [Herbicides on non-cultivated soils]. Co. Shell de Venezuela. Serv. Shell para el Agr. Ser. A., Informe 22, 38 p. 1963. 385 C733
- 90639 GUSE, L. R., and SCHWERT, J. F. Trifluralin: field studies in cotton and soybeans. South. Weed Conf. Proc., 17th Annu. Mtg.:67-72. 1964. 79.9 So8
- 90640 HAAS, R. H., DARROW, R. A., and LEHMAN, S. K. Evaluation of herbicides for the control of common persimmon. South. Weed Conf. Proc., 17th Annu. Mtg.:278-283. 1964. 79.9 So8
- 90641 HARLAN, J. B. A grower's viewpoint of weed control in crops. Calif. Weed Conf. Proc., 16th Annu. Conf.:46-48. 1964. 79.9 C122  
With herbicides.
- 90642 HARRISON, D. S., and others. Aquatic weed control. Fla. U. Agr. Ext. C. 219A, 16 p. June 1964. 275.29 F66C  
R. D. Blackburn, L. W. Weldon, and J. R. Orsenigo, joint authors.  
Chiefly chemical control.
- 90643 HARVEY, W. A. How not to kill weeds. Calif. Weed Conf. Proc., 16th Annu. Conf.:106-110. 1964. 79.9 C122
- 90644 HERNANDEZ, T. J., and GONZALES, F. E. A progress report on "Hyvar" X bromacil weed killer for railroads and general industry. South. Weed Conf. Proc., 17th Annu. Mtg.:299-300. 1964. 79.9 So8



- 90645 HICKS, R. D. Pre-plant incorporation studies in cotton weed control. South. Weed Conf. Proc., 17th Annu. Mtg.:157. 1964. 79.9 So8
- 90646 HILLIS, J. C. The residue problem. Calif. Weed Conf. Proc., 16th Annu. Conf.:82-86. 1964. 79.9 C122  
Herbicides.
- 90647 HOCOMBE, S. D., and KALOGERIS, B. A herbicide screening trial on pyrethrum seedbeds. Arusha. Trop. Pesticides Res. Inst. Misc. Rpt. 420,6 p. Nov.1963. 423.92 G7922
- 90648 HOCOMBE, S. D., and KALOGERIS, B. Herbicide screening trials in furrow-irrigated sugar cane, 1963. Arusha. Trop. Pesticides Res. Inst. Misc. Rpt. 427,6 p. Dec.5,1963. 423.92 G7922  
Tanganyika.
- 90649 HOCOMBE, S. D., and KALOGERIS, B. A note on the corrosion of metals by paraquat. Arusha. Trop. Pesticides Res. Inst. Misc. Rpt. 428, 4 p. Dec.6,1963. 423.92 G7922  
Herbicides.
- 90650 HOFFMAN, G. O. Brush control with substituted urea herbicides. South. Weed Conf. Proc., 17th Annu. Mtg.:391-393. 1964. 79.9 So8  
Texas.
- 90651 HOFFMAN, G. O. Control of Macartney rose [*Rosa bracteata*] in Texas. South. Weed Conf. Proc., 17th Annu. Mtg.:267-275. 1964. 79.9 So8
- 90652 HOGAN, W. D. Commercial weed control trials in Florida field corn. South. Weed Conf. Proc., 17th Annu. Mtg.:86-90. 1964. 79.9 So8
- 90653 HOLIFIELD, E. L., and FRANS, R. E. Winter weed removal from dormant turf. South. Weed Conf. Proc., 17th Annu. Mtg.:127-131. 1964. 79.9 So8  
With herbicides.
- 90654 HOLSTUN, J. T., BAKER, R. S., and WOOTEN, O. B. A progress report on weed control in skip-row cotton. South. Weed Conf. Proc., 17th Annu. Mtg.:55-61. 1964. 79.9 So8
- 90655 HOMONNAY, F. Control of dodder is a constant task. (Hu) Magyar Mezogazdasag 19(24): 15. June 10,1964. 19 M27
- 90656 JENSEN, L. A. Wet season observations on crops sprayed with carbyne and avadex. Crop Quality Council. Ext. Conf. Rpt. 1962:28-34. 464.9 N813  
Wild oat control in North Dakota.
- 90657 JESCHKE, H. J. New viewpoints in potato care. (Ge) Wis.-Tech. Fortschr. f. die Landwirt. 5(4):154-155. Apr.1964. 18 W763  
Chiefly weed control in East Germany.
- 90658 JETER, R. Comments on field corn and orchard weed control. Calif. Weed Conf. Proc., 16th Annu. Conf.:51. 1964. 79.9 C122  
With atrazine and dalapon.
- 90659 JETER, R. B. Weed control in legume seed and hay fields. Calif. Weed Conf. Proc., 16th Annu. Conf.:56-57. 1964. 79.9 C122
- 90660 JOHNSON, J. R., and MILLER, J. F. Georgia "clean acres" weed control program. South. Weed Conf. Proc., 17th Annu. Mtg.:388-390. 1964. 79.9 So8
- 90661 JOHNSON, W. A., and AMLING, H. J. Herbicides for weed control in Southern peas. South. Weed Conf. Proc., 17th Annu. Mtg.:221. 1964. 79.9 So8
- 90662 JOHNSTON, A. Poplar invasion of pasture land. Forage Notes [Ottawa] 10(1):10-12. Spring 1964. 60.8 F742  
Weed control.
- 90663 JORDAN, L. S. Effects of methods of irrigation and incorporation on pre-emergence herbicides. Calif. Weed Conf. Proc., 16th Annu. Conf.:77-79. 1964. 79.9 C122
- 90664 KACPERSKA-PALACZ, A. Herbicides and their application in U.S.A. (Pol) Nowe Roln. 13 (3):24-25. Feb.1/15,1964. 20.5 N86
- 90665 KAHL, E., and NEURURENR, H. Unkrautbekämpfung in Zuckerrube [Weed control in sugar beets]. Vienna. Bundesanst. f. Pflanzenschutz. Flugbl. 123,7 p. 1964. 464.9 V672F
- 90666 KAMILOVA, R., and KIRILLOVA, N. M. Herbicides from wastes. (Rus) Priroda [Moscow] 3: 80-81. 1964. 410 P933  
Petroleum and resin industry.
- 90667 KEMPEN, H. Weeds in asparagus and lettuce. Calif. Weed Conf. Proc., 16th Annu. Conf.:59-60. 1964. 79.9 C122
- 90668 KEMPEN, H. Weeds in corn and grain sorghum. Calif. Weed Conf. Proc., 16th Annu. Conf.:57-58. 1964. 79.9 C122
- 90669 KIRKWOOD, R. C. The chemical control of bracken. So. West Scotland Grassland Soc. J. 1(2):42-44. Mar.1963. 60.9 So82
- 90670 KIRKWOOD, R. C. Some recent developments in weed control. So. West Scotland Grassland Soc. J. 1(2):28-31. Mar.1963. 60.9 So82
- 90671 KRUGER, H. Mechanical and chemical control of couchgrass. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(2):77-79. Feb.1964. 18 W763
- 90672 LANGE, A. H. Weed control in orchards and vineyards. Calif. Weed Conf. Proc., 16th Annu. Conf.:49-50. 1964. 79.9 C122  
In California.
- 90673 LAWRENCE, J. M. Plastic pool technique for evaluation of aquatic herbicides. (Abs.) South. Weed Conf. Proc., 17th Annu. Mtg.:329-330. 1964. 79.9 So8
- 90674 LEHMAN, S. K., HAAS, R. H., and ROBISON, E. D. Preliminary evaluation of droplet size and distribution of water-in-oil emulsion sprays applied with the bifluid system. South. Weed Conf. Proc., 17th Annu. Mtg.:213-251. 1964. 79.9 So8  
Aerial application of herbicides for brush control on Texas ranges.
- 90675 LEONARD, O. A. Preliminary results with tordon for woody plant control. Calif. Weed Conf. Proc., 16th Annu. Conf.:101-103. 1964. 79.9 C122
- 90676 LOU, C. H. The use of herbicides in the modernization of our country's agriculture. (Ch) Chung Kuo Nung Pao 8:37-39. Aug.1963. 22.5 C473
- 90677 LUCAS, R. E. "ANSAR" 184 disodium methylarsonate (DMA) and related compounds as selective Johnsongrass herbicides in cotton. South. Weed Conf. Proc., 17th Annu. Mtg.:62-64. 1964. 79.9 So8
- 90678 LYONS, T. Sugar beets, tomatoes, and beans. Calif. Weed Conf. Proc., 16th Annu. Conf.:55-56. 1964. 79.9 C122  
Weed control.
- 90679 MCCAULEY, J. E. Chemicals control saw palmetto. Fla. Cattleman & Livestock J. 28(9): 51-52. June 1964. 43.8 F66
- 90680 MCHENRY, W. B. The aquatic weed problem in California. Calif. Weed Conf. Proc., 16th Annu. Conf.:29-35. Ref. 1964. 79.9 C122
- 90681 MCWHORTER, C. G., and SCHWEIZER, E. E. Effectiveness of a postemergence split-application of herbicides for weed control. South. Weed Conf. Proc., 17th Annu. Mtg.:171-183. 1964. 79.9 So8
- 90682 MALCOLM, W. M. Host-damage by *Castilleja coccinea* (L.) Spreng., a root-parasitic flowering plant. Torrey Bot. Club. B. 91(4):324-326. July/Aug.1964. 451 T63B
- 90683 MANN, R. A., and ALDRED, J. R. Brush control on utility rights-of-way by dormant application. South. Weed Conf. Proc., 17th Annu. Mtg.:295-298. 1964. 79.9 So8
- 90684 MASRIERA, J. Chemical control of weeds. (Sp) Cult. Mod. 46(11):411-412. Nov.1963. 15 C89
- 90685 MATOLCSY, G., and HAMRAN, M. The herbicidal effect of some substituted anilides. I. Phenoxy-3,4-dichloroacetanilides. Weed Res. 4(2): 118-122. June 1964. 79.8 W412
- 90686 MEADLY, G. R. W. Weed control in cereals. Farmers' & Sci. Joint Conf. Cereals & Wool, 5th Conf.:23-25. 1963. 27 F22C
- 90687 MEDCALF, J. C., BONTEMPO, A., and FAVRE, G. Use of pre-emergence herbicides for control of weeds in new coffee plantations. (Por) Lavoura 66:22-23. July/Sept.1963. 9.2 L39
- 90688 MONTESSORI, T., and ROSSI, C. Premerge; diserbante selettivo per colture erbacee [Premerger, a selective herbicide for leafy plants]. Soc. Ital. Amer. Prod. Antiparas. Quaderni Tec. S. I. A. P. A. 12,22 p. 1963. 423 Sp13Q  
Compound related to Dinoseb for pre-emergence use.

- 90689 MUENSCHER, W. C., and KINGSBURY, J. M. Poison ivy [*Rhus toxicodendron*] and poison sumac [*Rhus vernix*]. N. Y. State Col. Agr. (Cornell U.) Ext. Cornell Ext. B. 191, 12 p. July 1964. 275.29 N48E
- 90690 MURPHY, W. S. Chemical weed control in okra (*Hibiscus esculentus*). South. Weed Conf. Proc., 17th Annu. Mtg.:222-223. 1964. 79.9 So8
- 90691 MURPHY, W. S. Weed control in southern tomato transplants. South. Weed Conf. Proc., 17th Annu. Mtg.:202-203. 1964. 79.9 So8 In Georgia.
- 90692 MYHRE, A. S. Chemical weed control for ornamental plantings. *Arboretum B.* 27(1):12-13, 23. Spring 1964. 451 Ar1 In Washington.
- 90693 NAIR, N. R., AMMA, A. M. K., and VARADARAJAN, P. A note on the effect of Stam F-34, on kavada (*Panicum crusgalli*). *Cur. Sci.* 33(9): 284-285. May 5, 1964. 475 Sci23 Control.
- 90694 NAIR, R. G., and CHAMI, P. A survey of weeds in the fields of Central Coconut Research Stations, Kasaragod. *Indian Coconut J.* 17(1):40-47. Oct./Dec. 1963. 77.8 In2
- 90695 NANGEN, K., and YOKOYAMA, C. The application of atratone in the control of weeds in mulberry orchards. (Ja) *Sansu-Kenkyu* 46:10-18. Apr. 1963. 425.9 J273S
- 90696 NATION, H. A., and LICHY, C. T. Tordon herbicide for brush control in the southern United States. South. Weed Conf. Proc., 17th Annu. Mtg.:287-294. 1964. 79.9 So8
- 90697 NESTER, R. P. Propanil use in Arkansas for the control of barnyardgrass in rice. South. Weed Conf. Proc., 17th Annu. Mtg.:394-397. 1964. 79.9 So8
- 90698 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Bericht over onkruidbestrijdingsmiddelen [Report on herbicides]. Netherlands. Plantenziektenk. Dienst. Ber. 1597, 33 p. May 1, 1964. 464.9 N38
- 90699 NEURURER, H. Innovations in the field of weed control. (Ge) *Forderungsdienst* 12(2): 43-49. Feb. 1964. 19 F75 Austrian field crops.
- 90700 NEURURER, H. Possibilities and prospects for controlling wild oats [*Avena fatua*]. (Ge) *Pflanzenarzt* 17(1):2-4. Jan. 1, 1964. 464.9 P482 Includes cultural and chemical control.
- 90701 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Chemical weed control in horticulture. North. Ireland. Min. Agr. L. 145, 32 p. Dec. 1963. 10 N81
- 90702 NOWINSKI, M. Chemical weed control on grassland. (Pol) *Nowe Roln.* 12(19):36-37. Oct. 1/15, 1963. 20.5 N86
- 90703 ODRICH. Weed-free fields on every socialist farm through use of production principles. (Ge) *Wiss.-Tech. Fortschr. f. die Landwirt.* 5(4): 145. Apr. 1964. 18 W763 Tillage.
- 90704 OVERTON, J. R., and ANDREWS, H. Effects of time and rate of application of 2,4DB on cocklebur control in soybeans. South. Weed Conf. Proc., 17th Annu. Mtg.:99-105. 1964. 79.9 So8
- 90705 PARSONS, P. S., and MCHENRY, W. B. Cost of controlling aquatic weeds in California irrigation canals. Calif. Weed Conf. Proc., 16th Annu. Conf.:35-40. 1964. 79.9 C122
- 90706 PODOPRIGORA, V. S., and FARKHADI, I. A. Skillful selection of herbicides. (Rus) *Sadovodstvo* 4:32-35. 1964. 80 Sa13 Atrazine, simazine and monuron in grapes.
- 90707 PORSHNEVA, N. S. Herbicides in fruit culture. (Rus) *Sadovodstvo* 3:26-27. Mar. 1964. 80 Sa13
- 90708 PORTER, W. K. What a good training program in chemical weed control should include. South. Weed Conf. Proc., 17th Annu. Mtg.:398-400. 1964. 79.9 So8
- 90709 PRYOR, M. R. Johnsongrass control. Calif. Weed Conf. Proc., 16th Annu. Conf.:14-17. 1964. 79.9 C122 With dalapon in California.
- 90710 RACOVITA, A. Contributions to the knowledge of host plants of *Orobanche ramosa* L. III. (Rum) *Bucharest. Acad. Repub. Pop. Romine. Filiala Cluj. Studii si Cercet. de Agron.* 13: 217-222. 1962, pub. 1963. 21 B854 French summary. Degrees of resistance.
- 90711 RAWLS, C. K., and MCKEE, P. Maryland's 1963 program for regulation and evaluation of 2,4-D applications. South. Weed Conf. Proc., 17th Annu. Mtg.:306-307. 1964. 79.9 So8 Control of *Myriophyllum spicatum*.
- 90712 RICHARDS, R. F. Roles in herbicide development and use. South. Weed Conf. Proc., 17th Annu. Mtg.:1-9. 1964. 79.9 So8
- 90713 ROSTA, K. Spring care of hoed lucerne. (Hu) *Magyar Mezogazdasag* 19(18):9-10. Apr. 29, 1964. 19 M27 Chiefly weed control.
- 90714 ROUX, A. Herbicides in meadows and forage plant cultivation. (Fr) *Rev. de l'Elevage* 19 (6/7):723-724, 727-728. June/July 1964. 49 B462
- 90715 SANDFORD, H. The effect of perennial grass competition on the yield of cereals. *Agr. & Vet. Chem.* 5(3):64-66. May/June 1964. 382 Ag82 Control.
- 90716 SHEAR, G. M. Controlling vegetation for the no tillage production of corn. South. Weed Conf. Proc., 17th Annu. Mtg.:82-84. 1964. 79.9 So8 Weed control with atrazine.
- 90717 SKIPPER, H. D. Career opportunities in studying herbicidal residues. South. Weed Conf. Proc., 17th Annu. Mtg.:409-413. Ref. 1964. 79.9 So8
- 90718 SOLYMOSY, S. L. Organic acids as aids to better herbicidal activity of 2,4-D, on alligatorweed. South. Weed Conf. Proc., 17th Annu. Mtg.:303-305. 1964. 79.9 So8
- 90719 SOUTHERN WEED CONFERENCE. Proceedings, seventeenth annual meeting, January 15-17, 1964. n.p., 1964. 444 p. Ref. 79.9 So8
- 90720 SOUTHERN WEED CONFERENCE. Research report prepared for the seventeenth annual meeting, January, 1964. n.p., 1964. 213 p. 79.9 So8
- 90721 SPENCER, B. Non-tillage catches on cover crop combined with weed-free strip works well in Sutter County; while tests in Stanislaus County show that sod substantially improves water penetration. *West. Fruit Grower* 18(5): 25, 27. May 1964. 95.8 G762 Weed control.
- 90722 STALDER, L. Chemical weed control in vineyards overgrown with grass. (Ge) *Schweiz. Z. f. Obst- u. Weinbau* 73(13):316-318. June 27, 1964. 80 Sch9
- 90723 STAMPER, E. R. The comparative value of some of the recently developed chemicals as herbicides in Louisiana sugarcane. South. Weed Conf. Proc., 17th Annu. Mtg.:145-152. 1964. 79.9 So8
- 90724 STANNEK, G. Handwork saving procedures in the care of vegetables for planting and seed in the field. (Ge) *Wiss.-Tech. Fortschr. f. die Landwirt.* 5(4):156-158. Apr. 1964. 18 W763 Weed control and tillage in East Germany.
- 90725 STUTTGART LANDESANSTALT FUR PFLANZENSCHUTZ. Pflanzenschutz 1964: Unkrautbekämpfung im Acker-Graten- und Obstbau [Plant protection 1964: weed control in field crops, gardens, and fruit culture]. Stuttgart, 1964. 118 p. 464.8 P484
- 90726 SUGGITT, J. W., and WINTER, J. E. F. Minimum-drift viscous herbicide sprays for helicopter application to woody growth. *Ontario Hydro Res. Q.* 16(2):30-36. Second Q. 1964. 335.8 H99
- 90727 SZIGETHY, L. Large scale sorghum production with chemical weed control. (Hu) *Magyar Mezogazdasag* 19(19):11. May 6, 1964. 19 M27
- 90728 SZILVASSY, L. Chemical control of *Echinochloa crusgalli* weeds of rice. (Hu) *Magyar Mezogazdasag* 19(24):10-11. June 10, 1964. 19 M27



- 90729 TAYLOR, J. Invert emulsions; the inside-out sprays. *Weeds & Turf* 3(1):12-13. Jan.1964. 79.8 W413  
2,4-D and 2,4,5-T application by helicopters.
- 90730 TAYLORSON, R. B. Herbicides for seeded tomatoes. *South. Weed Conf. Proc.*, 17th Annu. Mtg.:207-214. 1964. 79.9 So8
- 90731 TERPO, A. Botanical evaluation of herbicidal effect. (Hu) *Kerteszeti es Szoleszeti Foisk. Evkon.* 2(1):273-299. Ref. 1963. 80 B85  
German summary.  
Susceptibility and resistance studies.
- 90732 TORNGREN, T. S. Safflower weed control. *Calif. Weed Conf. Proc.*, 16th Annu. Conf.:53-54. 1964. 79.9 C122
- 90733 TREANOR, L. L., and ANDREWS, H. Growing corn on fescue sod. *South. Weed Conf. Proc.*, 17th Annu. Mtg.:91-98. Ref. 1964. 79.9 So8
- 90734 TRIPLETT, G. B., VANDOREN, D. M., and JOHNSON, W. H. Non-plowed, strip-tilled corn culture. *Amer. Soc. Agr. Engin. Trans. ASAE* 7(2):105-107. 1964. 290.9 Am32T  
Use of herbicides.
- 90735 TUNBLAD, B. An interesting parasite in flower culture. (Sw) Sweden. *Stat. Vaxtskyddsanst. Vaxtskyddsnot.* 27(4):61-62. 1963. 464.9 Sw3V  
*Cuscuta*.
- 90736 TURNER, S. W. Legal aspects of herbicide application. *Calif. Weed Conf. Proc.*, 16th Annu. Conf.:80-82. 1964. 79.9 C122
- 90737 UBRIZSY, G. Now is the time for chemical weed control of pastures. (Hu) *Magyar Mezőgazdaság* 19(23):10-11. June 3,1964. 19 M21
- 90738 VAJDA, L. Parasitic and saprophytic plants. (Hu) *Buvar* 9(3):163-166. May/June 1964. 410 B98
- 90739 VALLENTINE, J. F. Controlling range weeds, brush. *Nebr. Cattleman* 20(5):12,14. May 1964. 43.8 N27  
Chiefly chemical control.
- 90740 VITTORIA, A. Use of herbicides to control *Pteridium aquilinum*. (It) *Prog. Agr. [Bologna]* 10(1):59-64. Jan.1964. 58.8 P94
- 90741 WALKOWIAK, H. Destruction of unwanted plant growth in drainage ditches on a low moor site with the help of herbicides. (Ge) *Z. f. Landeskult.* 4(3/4):253-276. Ref. 1963. 282.9 Z3  
English summary.  
East Germany.
- 90742 WARD, J. C. Regulatory aspects of chemical weed control modernized. *South. Weed Conf. Proc.*, 17th Annu. Mtg.:403-409. 1964. 79.9 So8
- 90743 WASHBURN, B. Realistic contracting of industrial weed control. *Calif. Weed Conf. Proc.*, 16th Annu. Conf.:22-29. 1964. 79.9 C122
- 90744 WATERS, W. E. Tolerance of Gladiolus to several herbicides. *South. Weed Conf. Proc.*, 17th Annu. Mtg.:199-201. 1964. 79.9 So8
- 90745 WEST, E. Poisonous plants around the home. *Fla. U. Agr. Ext. B.* 175A,38 p. June 1964. 275.29 F66
- 90746 WIESE, A. F., HARVEY, C., and HUDSPETH, E. B. Weed control in cotton with post-emergence herbicides. *South. Weed Conf. Proc.*, 17th Annu. Mtg.:65-66. 1964. 79.9 So8  
Texas.
- 90747 WOOD, G. M. Want a weed-free lawn? *Vt. Farm & Home Sci.* 5(3):8-10. Spring 1963. 100 V593  
Care.
- 90748 WORSHAM, A. D. The extension weed control program in North Carolina's all-practice demonstration program. *South. Weed Conf. Proc.*, 17th Annu. Mtg.:383-387. 1964. 79.9 So8  
With herbicides.
- 90749 YEO, R. R. A survey of undesirable aquatic plants in California. *Calif. Weed Conf. Proc.*, 16th Annu. Conf.:110-113. 1964. 79.9 C122
- 90751 ASCENSO, J. C. Outlines of the cacao selection and breeding programme in San Thome. *Econ. Bot.* 18(2):132-136. Ref. Apr./June 1964. 450 Ec7
- 90752 BEATY, J. J. Yuccas and their users. *Pacific Discovery* 17(2):18-24. Mar./Apr.1964. 500 P112  
Varieties and products.
- 90753 BROWNLOW, M. E. Herbs and the fragrant garden. Ed. 2, rev. and enl. London, Darton. 1963. 223 p. 97.21 B82
- 90754 DER MARDEROSIAN, A. H., HAUKE, R. L., and YOUNGKEN, E. W. The identification of certain "medicinal" plant families. *Econ. Bot.* 18(2):158-163. Ref. Apr./June 1964. 450 Ec7
- 90755 DEUTSCHE GESELLSCHAFT FÜR ARZNEI-FLANZENFORSCHUNG. 12th conference, May 19 to 23, 1964, in Berlin. (Ge) *Pharm. Ztg.* 109(23):844-845. (Cont.) June 4, 1964. 396.8 P496  
Abstracts of papers.
- 90756 FORMANOWICZOWA, H. Investigations on early spring sowing of medicinal plant seeds in the field. (Pol) *Poznan. Inst. Przem. Zielarskiego. B.* 8(4):181-206. Ref. Dec.1962. 451 P87  
English summary.
- 90757 FRANKE, G., and FROHLICH, G. On some possibilities of increasing and securing yield in cultivating cocoa. (Ge) *Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed.* 1(1):99-117. Ref. 1963. 26 L53
- 90758 FREEMAN, G. H. Experimentation with cocoa—a review of the problems. *Internatl. Hort. Cong. [Proc.]*, 16th Cong., v.4:586-591. 1962, pub.1964. 90.09 C7616P  
Culture.  
Includes discussion.
- 90759 GAILLETON, J. The culture of rose geranium in the island of Reunion. (Fr) *Potasse* 38(315):103-106. May/June 1964. 57.8 P84
- 90760 HANSLIK, G. Our domestic drug plants. 15. Caraway. (Ge) *Apothekenhelferin* 11(12):93. Dec.1963. 396.8 Ap42
- 90761 HANSLIK, G. Our native drug plants. 11. Salvia. (Ge) *Apothekenhelferin* 11(4):31-32. Apr.1963. 396.8 Ap42
- 90762 JIMENEZ, E. The use of polyethylene bags in the setting up of coffee nurseries. (Sp) *Ext. en las Amer.* 8(2):22-24. 1963. 275.249 Ex8
- 90763 KAMIJIMA, K. Cultivation techniques for raising garlic for profitable export under contract. (Ja) *Noko-to-Engei* 18(4):74-75. Apr.1963. 22.5 N693
- 90764 KERHARO, J., and ADAM, J. G. Note on some medicinal plants of the Bassari and Tandanke regions of eastern Senegal with a list of the vernacular names of plants inventoried in the area. (Fr) *Inst. Franc. d'Afrique Noire. B. Ser. A, Sci. Nat.* 26(2):403-437, map. Apr.1964. 515 D14
- 90765 LEON, J. The "maca" (*Lepidium meyenii*), a little known food plant of Peru. *Econ. Bot.* 18(2):122-127. Ref. Apr./June 1964. 450 Ec7
- 90766 MCCULLOCH, J. S. G., and others. Measurements of shade-tree effects in tea gardens. *Tea* 5(1):9,11. Apr.1964. 68.19 T224  
H. C. Pereira, O. Kerfoot, and N. A. Goodchild, joint authors.
- 90767 MACKU, J., and KREJCA, J. Atlas liecivych rastlin [Tables of drug plants]. Bratislava, Vydavatel'stvo Slovenskej Akademie Vied, 1964. 467 p. 459.7 M21A
- 90768 MAISTRE, J. Les plantes a epices [Spice plants]. Paris, G.-P. Maisonneuve, 1964. 289 p. Ref. (Techniques Agricoles et Productions Tropicales, v. 3) 26 T22  
Chiefly culture.
- 90769 MAKUDOV, N. KH., and ADYLOV, T. Artemisia scoparia as additional source for tannin substances. (Rus) *Uzbek. Biol. Zhur.* 6:72-73. 1962. 442.8 Uz1
- 90770 MARR, R. S. Pyrethrum and the factors that influence its production. *Farming So. Africa* 40(2):33,35,43. May 1964. 24 So842
- 90771 MESQUITELA, J. C. Guide for the Angola coffee producer. (Por) *Gaz. Agr. de Angola* 9(5):1402-1403. May 1964. 24 G252

#### MISCELLANEOUS ECONOMIC PLANTS (Drug, Dye, Rubber, etc.)

- 90750 ARU, L. The common nettle [*Urtica dioica*] as a cultivated plant. (Es) *Eesti Loodus* 5:305-306. Sept./Oct.1963. 409.6 Ee7

- 90772 MIYAGI, M. New agricultural techniques with cheesecloth; the results of cheesecloth coverings on tea. (Ja) Noko-to-Engei 18(4):108-110. Apr.1963. 22.5 N693
- 90773 MIYAZAKI, Y. The trend toward cutting costs and cultural techniques in raising garlic. (Ja) Noko-to-Engei 18(4):72-73. Apr.1963. 22.5 N693
- 90774 MONACO, L. C. Novo Mundo coffee: its origin and characteristics. (Por) Rural 43(512):24-25. Dec.1963. 9.2 B733  
A new cultivar.
- 90775 NIKALAEVA, V. H. A contribution to studies of folk drug plants of White Russia. (Be) Minsk. Belaruskaya Akad. Navuk. Vestsi. Ser. Biyal. Navuk 4:44-47. 1963. 442.8 M66  
Russian summary.
- 90776 NOSTI, J. Cacao, cafe y te [Cacao, coffee and tea]. Ed. 2. Barcelona, Salvat Editores, 1963. 806 p. 68.3 N84
- 90777 PANEL—new methods of planting. Oreg. Essential Oil Growers League. Proc., 15th Annu. Mtg.:28-38. 1964. 308.9 Or3  
Moderator: L. Funke; panel members: S. Hilger, W. Upstad, and G. Saunders.  
Planting of mint.
- 90778 SARKANY, S., DANOS, B., and FARKAS-RIEDEL, L. Some problems and our latest results from poppy breeding directed at increasing the alkaloid content. (Ge) Deut. Akad. der Wiss. Kl. f. Chem. Geol. u. Biol. Abhandl. 4: 247-260. 1963. 509 D482  
Includes discussion.
- 90779 SENLIS, H. The production of wicker [*Salix*] for the basket industry of Haute-Marne. (Fr) Potasse 38(314):89-92. Apr.1964. 57.8 P84
- 90780 SINGH, H., HANDA, K. L., and KAPOOR, L. D. Cultivation of Japanese mint in India. Indian Forester 90(4):225-227. Apr.1964. 99.8 In2  
*Mentha arvensis piperascens*.
- 90781 SORIA V., J. An experimental attempt to repeat some of the spontaneous cacao hybrid populations of Mexico. Cacao 8(3):19-21. July/Sept.1963. 68.38 C11
- 90782 SPARNAALJ, L. D., and MENENDEZ, T. Recent advances in the theory and practice of oil palm breeding in Nigeria. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:458-463. 1962, pub.1964. 90.09 C7616P
- 90783 URIBE C., G. Promotion of African palm in the Department of Meta. (Sp) Rev. Nac. de Agr. 703:39-41. Nov.1963. 9.4 R32
- 90784 WASSON, R. G. Notes on the present status of *ololiuhqui* [*Rivea corymbosa*] and the other hallucinogens of Mexico. Harvard U. Bot. Mus. L. 20(6):161-193, map. Ref. Nov.22, 1963. 451 H262  
*Nicotiana rustica*, *Lophophora williamsi*, and *Psilocybe caerulescens*.
- 90785 ZUB, L. The organization of research on and production of hop in Czechoslovakia. (Pol) Postepy Nauk Roln. 15(5):151-158. 1963. 20.5 P84



## SOILS AND FERTILIZERS

## SOIL SCIENCE

- 90786 APPLETON, J. M. The role of agrologist in agribusiness. *Agr. Inst. Rev.* 19(2):62-64. Mar./Apr.1964. 7 Ag8  
In Canada.
- 90787 EHWALD, E. Lines of development in the history of soil science. (Ge) *Albrecht-Thaer-Arch.* 8(1/3):5-36. Ref. 1964. 18 AL1  
English summary.
- 90788 LELEY, V. K., and DONAHUE, R. L. A new design for multiple dispenser. *Indian Soc. Soil Sci. J.* 12(1):59-61. Mar.1964. 56.9 In2
- 90789 MUCKENHAUSEN, E. Soil science in farming and plant culture. (Ge) *Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn* 10:13-20. Feb.1964. 18 F777
- 90790 NEMECSEK, J., and HRASKO, J. Soil research in Czechoslovakia. (Hu) *Agrokem. es Talajtan* 12(4):667-670. Dec.1963. 385 Ag83
- 90791 NEMES, M., and GALLO, S. The use of nomogrammes in soil science. II. (Rum) *Bucharest. Acad. Repub. Pop. Romine. Filiala Cluj. Studii si Cercet. de Agron.* 13:267-270. 1962, pub. 1963. 21 B854  
English summary.
- 90792 PAGEL, H. On the concept, importance and some topical problems of the soil science of tropical and subtropical regions. (Ge) *Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed.* 1(1):19-32, map. Ref. 1963. 26 L53
- Soil Physics
- 90793 BIEN, S. Moisture in the soils of fields and the growth of crops. Kanto loam fields. 1. (Ja) *Nogyo Gijutsu* 18(5):26-29. May 1963. 22.5 N6829
- 90794 BIEN, S. Moisture in the soils of fields and the growth of crops. Kanto loam fields. 2. (Ja) *Nogyo Gijutsu* 18(6):29-30. June 1963. 22.5 N6829
- 90795 BIEN, S. Moisture in the soils of fields and the growth of crops. Kanto loam fields. 3. (Ja) *Nogyo Gijutsu* 18(7):24-26. Ref. July 1963. 22.5 N6829
- 90796 BREBURDA, J. Bodenphysikalische Methoden in den osteuropaischen Landern; eine kritische Auswertung ihrer Ergebnisse [Soil physics methods in the eastern European countries; a critical evaluation of their results]. *Osteuropastudien der Hochsch. des Landes Hessen. Reihe I, Giessener Abhandl. z. Agr.- u. Wirtforsch. des Europaischen Ostens* 26,95 p. Ref. 1963. 280.8 Os7  
English summary.
- 90797 CANARACHE, A. Observations on the soil moisture determination by the drying method in drying oven. (Rum) *Bucharest. Acad. Repub. Pop. Romine. Filiala Cluj. Studii si Cercet. de Agron.* 13:113-123. 1962, pub. 1963. 21 B854  
English summary.
- 90798 CHILDS, E. C. The movement of soil water. *Endeavour* 23(89):81-84. May 1964. 472 En2
- 90799 FILENKO, R. A. Peculiarities of soil moisture of agricultural lands in the Vologda Region. (Rus) *Leningrad. U. Vest. Ser. Geol. i Geog.* 3: 151-157. 1963. 403 L54  
English summary.
- 90800 FILIP, A., and VUKMIROVIC, V. Determination of the speed of underground water filtration by the radioactive tracer dilution method. (Fr) *Internatl. Assoc. Sci. Hydrol. B.* 9(2):19-24. June 1964. 292.9 As7
- 90801 HAKANSSON, I., and WILEN, L. Jordbearbetning i maskinaldern [Soil tillage in the machine age]. *Hushallsk. Forbund. Smaskr.* 59,19 p. 1964. 11 H952  
Chiefly on compaction caused by equipment.
- 90802 HANUS, H., and BERNARD, H. Research on plow bottom compaction with various methods. (Ge) *Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn* 10:35-49. Ref. Feb.1964. 18 F777  
Soil compaction.
- 90803 HSIN, N. C. Research on the methodology for measuring soil evaporation. (Ch) *Acta Pedol. Sinica* 10(3/4):388-400. Ref. Sept./Dec.1962. 56.9 Ac8  
Russian summary.
- 90804 HUDSON, J. P. Variations in evaporation rates in Gezira cotton fields. *Empire Cotton Growing Rev.* 40(4):253-261. Oct.1963. 72.8 Em7
- 90805 HURICH, J., and SKLODOWSKI, P. The influence of fertilization and crop rotation on the soil structure. (Pol) *B. Warzyniczny* 6:127-136. Ref. 1961/62. 80 B54  
English summary.
- 90806 LJASZ, E. The meteorological factors of soil-lifting by frost and the part that frost lines play in such damage. 2 p. *Transl.* 13801  
Translation from *Erdeszeti Kiserletek* 35(3): 318-319. 1933.
- 90807 JUMIKIS, A. R. Mechanics of soils; fundamentals for advanced study. Princeton, N. J., Van Nostrand, 1964. 483 p. Ref. (University Series in Civil Engineering and Applied Mechanics) 290 J95M
- 90808 KIRKHAM, D. Soil physics research in some "overdeveloped" and "underdeveloped" countries. *Amer. Soc. Agron. ASA Spec. P.* 1:71-76. Apr.1963. 64.9 Am3
- 90809 KOITZSCH, R. Theory of a double membrane apparatus for determining the capillary conductivity of soil samples. (Ge) *Albrecht-Thaer-Arch.* 8(1/3):47-61. 1964. 18 AL1  
English summary.
- 90810 KULLMANN, A., LIEBEROTH, I., and KLIMES-SZMIK, A. Changes in the water stable crumb portion under the influence of cultivation on the basis of a soil profile comparison. (Ge) *Albrecht-Thaer-Arch.* 8(1/3):61-77. Ref. 1964. 18 AL1  
English summary.
- 90811 LANGNER, C., and KRAMER, F. K. Research on the static and dynamic water conditions for site estimation. (Ge) *Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn* 10:51-73. Ref. Feb.1964. 18 F777
- 90812 LEMIEUX, G. J. Efficiency of various shakers in the particle-size analysis of soils. *Canad. J. Soil Sci.* 44(2):228-231. Ref. June 1964. 56.8 C162
- 90813 LETEY, J., and others. Compacted golf greens respond to deep aeration, controlled irrigation; Los Angeles County tests, San Bernardino County tests. *Calif. Agr.* 18(6):8-10. June 1964. 100 C12Cag  
L. H. Stolzy, W. Morgan, F. W. Dorman, and C. L. Hemstreet, joint authors.
- 90814 LI, Y. S. The moisture content and crop growth in mound soil. (Ch) *Acta Pedol. Sinica* 10(3/4): 289-304. Ref. Sept./Dec.1962. 56.9 Ac8  
Russian summary.
- 90815 LINDNER, H. An apparatus for measurement of moisture content and temperature of soil with the help of thermistors. (Ge) *Albrecht-Thaer-Arch.* 8(1/3):79-89. Ref. 1964. 18 AL1  
English summary.
- 90816 MARSTON, R. B. Characteristics of a commercially-available, surface-moisture, nuclear probe. *Internatl. Assoc. Sci. Hydrol. B.* 9(2): 80-89. Ref. June 1964. 292.9 As7  
Use of neutrons.
- 90817 MEYER, J. L., and HENDERSON, D. W. Sod improves water penetration. *West. Fruit Grower* 18(5):27. May 1964. 95.8 G762
- 90818 MIRZA, C., and IRWIN, R. W. Determination of subsidence of an organic soil in southern Ontario. *Canad. J. Soil Sci.* 44(2):248-253. June 1964. 56.8 C162
- 90819 PAGE, J. B. Soil physics and food for peace. *Amer. Soc. Agron. ASA Spec. P.* 1:61-70. Apr. 1963. 64.9 Am3
- 90820 PILLAI, M. D., VIJAYALAKSHMI, P. K., and MARAR, M. M. K. A note on the relationship of soil temperature with some meteorological factors. *Indian Coconut J.* 17(1):35-39. Oct./Dec.1963. 77.8 In2
- 90821 PROSTAKOV, P. E., and SOZYKIN, N. F. Soil moisture of Chernozem soils under rotation of crops in mountain steppes of Caucasus. (Rus) *Pochvovedenie* 4:9-17. Apr.1964. 57.8 P34  
English summary.

- 90822 PUSTOVOITOV, N. D. Soil temperature of plains of Amur River area. (Rus) Pochvovedenie 4:17-28. Ref. Apr.1964. 57.8 P34 English summary.
- 90823 RUBINShteIN, M. I., and OTAROV, G. O. Soil moisture of dry Sierozem soils of Southern Kazakhstan. (Rus) Pochvovedenie 4:36-43. Ref. Apr.1964. 57.8 P34 English summary.
- 90824 SCHIE, J. J. VAN, and PAASSEN, J. T. M. VAN. Soil testing for intensive horticulture. (Du) Groenten en Fruit 19(51):2225. June 24, 1964. 80 G89 Chiefly structure.
- 90825 SCHMEIDL, H. Soil temperatures on high moor soils. (Ge) Bayer. Landwirt. Jahrb. 41(1):115-122. Ref. 1964. 18 L24
- 90826 SHVETSOV, P. Living and working on the frozen ground of the Arctic. New Sci. 20(371):774-775. Dec.26,1963. 472 N42
- 90827 SIMIONESCU, I. V. The study of the physical and chemical characteristics of some soils in different degrees of erosion. (Rum) Bucharest. Acad. Repub. Pop. Romine. Filiala Cluj. Studii si Cercet. de Agron. 13:95-111. Ref. 1962, pub.1963. 21 B854 English summary.
- 90828 TAYLOR, S. A., and others. Can fatty alcohols reduce water losses?? Crops & Soils 16(8):7-9. June/July 1964. 6 W55  
S. R. Olsen, J. P. Vavra, W. J. Roberts, G. M. Aubertin, G. W. Gorsline, J. P. Law, and F. M. Rhoads, joint authors.  
Chiefly soil treatment with hexadecanol and octadecanol.
- 90829 TREGUBOVA, A. S., ed. Spravochnik po zapsam produktivnoi vlagi pod osnovnymi sel'skokhozyaystvennymi kul'turami na Ukraine [Manual of effective moisture supply of basic field crops of Ukraine]. Kiev, Gosudarstvennoe Izdatel'stvo Sel'skokhozyaystvennoi Literatury Ukrainskoi SSR, 1963. 549 p., map. 56.43 T71
- 90830 UTERMARCK. Tractor tracks in the fruit farm. (Ge) Obstbauversring. des Alten Landes. Mitt. 18(11/12):453-455. Nov./Dec.1963. 85 J76 Effects on soils.
- 90831 VETTERLEIN, E. A double membrane apparatus for determination of the capillary conductivity of soil samples. (Ge) Albrecht-Thaer-Arch. 8(1/3):37-45. 1964. 18 AL1 English summary.
- 90832 WEEKS, M. E. Do you want to take a good soil sample? Mass. U. Agr. Ext. P. 406, 6 p.-folder. July 1963. 275.29 M381L
- 90833 WERTZ, G. A contribution to the subsidence of swamps in the course of time. (Ge) Z. f. Landesku. 4(3/4):251-252. 1963. 282.9 Z3 English summary.  
East Germany.
- 90834 WIDHALM, H. Textural changes of vineyard soils as a result of mechanization, with particular regard to tendencies toward chlorosis. (Ge) Klosterneuburg. Hoher Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. Ser. A, Rebe u. Wein 14(2):63-67. Mar.1964. 105.9 K696 English summary.
- 90835 YAJIMA, K. Important effects as a soil conditioner in an orange orchard. (Ja) Kajitsu Nippon 19(2):25-27. Feb.1964. 80 K122 "Tenporan" used as a soil conditioner.
- 90836 YU, W. S., and SUNG, Y. H. A device for collecting underground moisture samples and how to use it. (Ch) Acta Pedol. Sinica 10(3/4):401-404. Sept./Dec.1962. 56.9 Ac8 Russian summary.
- 90837 YUAN, C. I., and YUAN, I. C. On the characteristics of moisture status of the Sha-chiang Black soil in districts north of Huai River. (Ch) Acta Pedol. Sinica 10(3/4):361-373. Sept./Dec.1962. 56.9 Ac8 English summary.
- Soil Chemistry and Mineralogy
- 90838 ADAMS, D. Test your soil. Ark. U. Agr. Ext. L. 287, rev., 4 p. May 1964. 275.29 Ar4Le
- 90839 AKALAN, I., and WHITE, J. L. Natural and fission-produced radioactivity in four Indiana soils. Ind. Acad. Sci. Proc. 72:325-329. 1962, pub.1963. 500 In2
- 90840 ANDERSON, C. A. High calcium lime or dolomite? Citrus & Veg. Mag. 27(10):18-19. June 1964. 80 C498  
Chiefly its effect on soil pH.
- 90841 ARMSTRONG, D. E., and CHESTERS, G. Properties of protein-bentonite complexes as influenced by equilibration conditions. Soil Sci. 98(1):39-52. Ref. July 1964. 56.8 So3
- 90842 AWAN, A. B., and RICHER, A. C. Effect of lime on availability of soil phosphorus. Ceiba 10(1):22-29. Ref. Mar.1964. 475 C32
- 90843 BALERDI, F., and THOMPSON, L. F. The acidity of eastern Arkansas soils. Ark. Farm Res. 13(3):6. May/June 1964. 100 Ar42F
- 90844 BEAR, F. E., ed. Chemistry of the soil. Ed. 2. New York, Reinhold, 1964. 515 p. Ref. (American Chemical Society. Monograph, Series, 160) 56.42 B38  
Chapters by I. Barshad, M. L. Jackson, S. J. Toth, L. Wiklander, J. L. Mortensen, F. L. Himes, I. L. Stevenson, L. F. Seatz, H. B. Peterson, R. L. Mitchell, L. T. Kardos, M. Drake, E. R. Graham, and W. J. Hanna.
- 90845 BECKER, H. G. Determination of the herbicide Triazine in arable soils. (Ge) Albrecht-Thaer-Arch. 8(1/3):127-138. Ref. 1964. 18 AL1 English summary.
- 90846 BLANCHET, R. Rates of sorption and desorption of mineral ions in soil. Internatl. Superphosphate Mfr. Assoc. Agr. Comt. B. de Doc. 37:13-26. Ref. Feb.1964. 241 In832 Text also in French.
- 90847 BOARDMAN, R. M. Rapid sampling of salts in soils. (Sp) Agr. de las Amer. 13(2):50-51. Feb.1964. 58.8 Ag832
- 90848 BOERTJE, G. A. Chemical soil testing at Wehats. (Du) Groenten en Fruit 19(51):2235, 2237. June 24, 1964. 80 G89
- 90849 BOLDYREV, N. K. Evaluation of data of chemical analysis of Chernozem soils for diagnostic purposes. (Rus) Pochvovedenie 4:93-97. Ref. Apr.1964. 57.8 P34 English summary.
- 90850 BRADFIELD, R. The soil chemist and food for peace. Amer. Soc. Agron. ASA Spec. P. 1:42-51. Apr.1963. 64.9 Am3
- 90851 BURGOS, C. F. The effect of gamma radiation on soil nitrogen, phosphorus and organic matter. Ceiba 10(1):53-56. Mar.1964. 475 C32
- 90852 CHERNOV, V. A. The nature of soil acidity. 170 p. Ref. 56.42 C42Ae  
Translation of O prirode pochvennoi kislotnosti.
- 90853 CHIANG, C. M., and SHEN, J. S. The influence of organic matter and iron on the colloidal isoelectric character of Red soils. (Ch) Acta Pedol. Sinica 10(3/4):355-360. Ref. Sept./Dec. 1962. 56.9 Ac8 Russian summary.
- 90854 CLARK, J. S. Some cation-exchange properties of soils containing free oxides. Canad. J. Soil Sci. 44(2):203-211. Ref. June 1964. 56.8 C162
- 90855 COOPER, D. W., and HEADY, H. F. Soil analysis aids grazing management in Humboldt County. Calif. Agr. 18(6):4-5. June 1964. 100 C12Cag
- 90856 DE, S. K. A study on pH and total nitrogen of some Uttar Pradesh soils. (Hu) Agrochem. es Talajtan 12(4):573-576. Dec.1963. 385 Ag83 English summary.
- 90857 DE GRYS, A. Copper distribution patterns in soils and drainage in central Chile. Econ. Geol. 59(4):636-646. June/July 1964. 403 Ec7
- 90858 DOBRZANSKI, B., and TURSKI, R. Effects of erosion on composition of organic compounds in Brown soils formed out of loess on the example of soil profile from Tuczepey. (Pol) Warsaw. Inst. Melior. i Uzytkow Zielonych. Wiad. 3(4):119-120. 1963. 54.9 W262W



- 90859 DODD, J. D., RENNIE, D. A., and COUPLAND, R. T. The nature and distribution of salts in uncultivated saline soils in Saskatchewan. *Canad. J. Soil Sci.* 44(2):165-175, map. Ref. June 1964. 56.8 C162
- 90860 DORMAAR, J. F. Fractionation of the humus of some chernozemic soils of southern Alberta. *Canad. J. Soil Sci.* 44(2):232-236. Ref. June 1964. 56.8 C162
- 90861 D'YAKONOVA, K. V. The nature of humus substances of soil solution, their dynamics and methods of study. (Rus) *Pochvovedenie* 4:57-66. Apr. 1964. 57.8 P34  
English summary.
- 90862 FELBECK, G. T. Do you have a proper sense of humus? *R. I. Agr.* 10(3):4-5. June 1964. 100 R342  
Chemistry.
- 90863 FREDRIKSSON, L. Soil conditions and crop yields. II. Influence of soil chemical conditions on crop yields. *Internatl. Superphosphate Mfr. Assoc. Agr. Comt. B. de Doc.* 37:31-46, map. Feb. 1964. 241 In832  
Text also in French.
- 90864 GIFFORD, R. O., and FRUGOLI, D. M. Silica source in soil solutions. *Science* 145(3630):386-388. July 24, 1964. 470 Sci2
- 90865 HALEVY, E., and TZUR, Y. Precipitation of Sr by  $\text{CaCO}_3$  in calcareous soils and measurement of cation-exchange capacity. *Soil Sci.* 98(1):66-67. July 1964. 56.8 So3
- 90866 HURICH, J., and SKLODOWSKI, P. The influence of fertilization and rotation on the dynamic turnover of the nitrate and ammonium nitrate in the soil. (Pol) *B. Warzywnicz* 6:119-126. Ref. 1961/62. 80 B54  
English summary.
- 90867 JOHANSSON, A., and SVENSSON, H. I. Determination of calcium with the aid of flame photometry. 1. (Sw) *Stockholm. Stat. Lantbrkem. Kontanst. Meddel.* 26:25-35. Ref. 1964. 385 St6  
In soils.
- 90868 JONES, R. L., and BEAVERS, A. H. Some mineralogical properties of Seaton, Fayette, and Clinton soils in Illinois. *Ill. Agr. Expt. Sta. B.* 701, 27 p., map. Ref. June 1964. 100 IL6S
- 90869 JONSSON, E. Soil testing 1962/1963. (Sw) *Stockholm. Stat. Lantbrkem. Kontanst. Meddel.* 26:9-10. 1964. 385 St6
- 90870 KALBANDE, A. R. Evaluation of nitrogen supplying power of some soils of Delhi State. *Indian Soc. Soil Sci. J.* 12(1):63-70. Ref. Mar. 1964. 56.9 In2
- 90871 KOZAK, M. Utilization of Rb86 isotope in investigating potassium exchange of soils. I. Migration and transformation of Rb86 isotope labelled potassium salt in sandy soils of carbonate contents. (Hu) *Agrokem. es Talajtan* 12(4):565-572. Ref. Dec. 1963. 385 Ag83  
English summary.
- 90872 LEHMANN, K. A proper interpretation of the limit numbers in the Egner-Riehm method as basis for proper use of fertilizers. (Pol) *Nowe Roln.* 13(2):46-48. Ref. Jan. 16/31, 1964. 20.5 N86  
Chiefly determination of potassium and phosphorus in soils.
- 90873 LI, C. K. Advances in methodology and direction in agricultural chemical research in the past ten years. (Ch) *Acta Pedol. Sinica* 10(3/4):308-319. Ref. Sept./Dec. 1962. 56.9 Ac8  
Chiefly soil chemistry.
- 90874 LOWE, L. E. An approach to the study of the sulphur status of soils and its application to selected Quebec soils. *Canad. J. Soil Sci.* 44(2):176-179. Ref. June 1964. 56.8 C162
- 90875 MAKAROV, B. N., and IGNATOVA, V. P. Losses of nitrogen from soil in volatile form. (Rus) *Pochvovedenie* 4:85-92. Ref. Apr. 1964. 57.8 P34  
English summary.
- 90876 MOKADY, R., and GAL, M. Strontium fixation by lime contained in soils. *Science* 145(3628):154-155. July 10, 1964. 470 Sci2
- 90877 MORTENSEN, J. L., MARCUSIU, E. C., and HOLOWAYCHUK, N. Strontium exchange characteristics of soils from the Ogotoruk Creek watershed in Alaska. *Ohio J. Sci.* 63(5):225-231. Ref. Sept. 1963. 410 Oh3
- 90878 NAIDENOVA, O. A. Some data on colloids of soddy-podzolic soils. (Rus) *Pochvovedenie* 4:44-48. Apr. 1964. 57.8 P34  
English summary.
- 90879 NEMES, M., and others. A comparative study of some methods for the determination of potassium in the Brown Forest soils, podzolized Brown Forest soils and secondary Podzols in the North-west of Transylvania Plain (Cimpia Transilvaniei). (Rum) *Bucharest. Acad. Repub. Pop. Romine. Filiala Cluj. Studii si Cercet. de Agron.* 13:245-254. 1962, pub. 1963. 21 B854  
E. Balint, T. Piciu, V. Pop, and S. Gallo, joint authors.  
English summary.
- 90880 OSIPOVA, Z. M. A comparative action of a long and systematic application of ballast mineral fertilizers upon agrochemical properties of soddy-podzolic soils and chemical composition of plants. (Rus) *Pochvovedenie* 4:77-84. Ref. Apr. 1964. 57.8 P34  
English summary.
- 90881 PALMIERI, F. Infra-red spectrography for the determination of the composition of the more dispersed fraction (clay-mineral) of soils; first contribution. (It) *Naples. U. Facol. di Sci. Agr. Ann. (ser.3)* 29:469-498. Ref. 1963/64. 105.4 P83  
English summary.
- 90882 PASSOS, H. DE G. Effects of continuous use of determined nitrogen fertilizers on the pH (acidity) of soils. (Por) *Rural* 44(517):39-40. May 1964. 9.2 B733
- 90883 PRATT, P. F., and BAIR, F. L. Depletion and accumulation of trace elements in irrigated soils. *Calif. Agr.* 18(6):11. June 1964. 100 C12Cag
- 90884 PUH, Y. S. Effects of soil temperature, mineral type, cation ration, and degree of base saturation on volatilization losses of ammonia. *Diss. Abs.* 24(12, pt.1):4898-4899. June 1964. 241.8 M58
- 90885 REYNDERS, J. J. Application of X-ray spectrography in soil science and geology. (Du) *Chem. Weekbl.* 60(2):13-26. Ref. Jan. 11, 1964. 385 C42
- 90886 SCHILLING, G., and RICHTER, D. On the content of  $^{90}\text{Sr}$  and  $^{90}\text{Y}$  in central German soils. (Ge) *Albrecht-Thaer-Arch.* 8(1/3):107-125. Ref. 1964. 18 AL1  
English summary.
- 90887 SETZER, J. The Vageler theory of ion exchange. (Por) *Rural* 44(513):11-13. Jan. 1964. 9.2 B733  
In soils.
- 90888 SINGH, S., and BHANDARI, G. S. The cation exchange capacity of humic acids obtained from seven typical soils of Rajasthan. *Banaras Hindu U. J. Sci. Res.* 13(2):240-243. June 1963. 330.9 B43
- 90889 SKLODOWSKI, P. The influence of fertilization and rotation on organic matter content and soil reaction. (Pol) *B. Warzywnicz* 6:149-163. Ref. 1961/62. 80 B54  
English summary.
- 90890 STINGA, N., and BLANARU, V. Research on the determination, the significance, and the use of soil potential acidity indices. (Rum) *Bucharest. Acad. Repub. Pop. Romine. Filiala Cluj. Studii si Cercet. de Agron.* 13:255-266. Ref. 1962, pub. 1963. 21 B854  
French summary.
- 90891 STIVERS, R. K. The relation of pH to available phosphate and potash in Purdue soil tests, 1961. *Ind. Acad. Sci. Proc.* 72:307-312. 1962, pub. 1963. 500 In2
- 90892 SZEKELY, A. A new chloride-tolerant catalyst to determine mangan micro-nutrient. (Hu) *Agrokem. es Talajtan* 12(4):643-646. Dec. 1963. 385 Ag83  
English summary.  
In soils.

- 90893 TAYLOR, A. W., and GURNEY, E. L. Solubility of variscite. *Soil Sci.* 98(1):9-13. Ref. July 1964. 56.8 So3
- 90894 TREIBER, I., and BALINT, I. Analytic data regarding the clay minerals of the soils in the neighbourhood of Cluj. (Rum) Bucharest. Acad. Repub. Pop. Romine. Filiala Cluj. Studii si Cercet. de Agron. 13:125-133. Ref. 1962, pub. 1963. 21 B854  
English summary.
- 90895 WANG, C. C., CHEN, S. Y., and YANG, T. K. Application of paper chromatography to study of amino acids in soil hydrolyzates. (Ch) Taiwan Sugar Expt. Sta. Rpt. 34:93-103. Ref. Feb. 1964. 65.9 F76R  
English summary.
- 90896 WANG, T. S. C., YANG, T. K., and CHENG, S. Y. Investigation of amino acids in soil hydrolyzates by means of ion exchange resin. (Ch) Taiwan Sugar Expt. Sta. Rpt. 34:57-75. Ref. Feb. 1964. 65.9 F76R  
English summary.
- 90897 WANG, T. S. C., and CHENG, S. C. On amino sugars in soil hydrolyzates. (Ch) Taiwan Sugar Expt. Sta. Rpt. 34:77-86. Ref. Feb. 1964. 65.9 F76R  
English summary.
- 90898 WANG, T. S. C., and YANG, T. K. On the desalting of amino acid solutions by ion exchange. (Ch) Taiwan Sugar Expt. Sta. Rpt. 34:87-91. Ref. Feb. 1964. 65.9 F76R  
English summary.
- Soil Biology
- 90899 AGUILAR, J. D'. Information of pedozoological studies. (Fr) *Ann. des Epiphyt.* 14(1):73. 1963. 464.9 F84An
- 90900 BISSET, K. A. Bacteria. Ed. 3. Edinburgh, Livingstone, 1963. 123 p. Ref. 448.2 B542B  
Includes root nodule bacteria.
- 90901 BOULLARD, B. Mycorrhiza of grasses; a review. (Fr) *J. d'Agr. Trop. et de Bot. Appl.* 10(10/11):411-437. Ref. Oct./Nov. 1963. 26 J822
- 90902 BRAKEL, J., and MANIL, P. Nitrogen fertilizer and symbiotic fixation of nitrogen in *Phaseolus vulgaris*. (Fr) *Rev. de l'Agr.* 17(4):465-482. Ref. Apr. 1964. 13 R322
- 90903 BRYANT, J. B. Bacterial decomposition of some aromatic and aliphatic herbicides. Diss. Abs. 24(12,pt.1):4915. June 1964. 241.8 M58  
In soils.
- 90904 CHANG, H. W., and HSU, K. H. Studies on the microbiological properties of sand dunes in Tengkei Desert of Ninghsia Hui Autonomous Region. (Ch) *Acta Pedol. Sinica* 10(3/4):227-234. Ref. Sept./Dec. 1962. 56.9 Ac8  
English summary.
- 90905 CHANG, Y., and STENTON, H. A study of the Phycomycetes in the soils of Hong Kong. *Brit. Mycol. Soc. Trans.* 47(1):127-139. Ref. Mar. 1964. 451 B76
- 90906 CHARDEZ, D. Thecamoeba of manures. (Fr) *Gembloux. Inst. Agron. de l'Etat. B.* 31(1):17-20. 1963. 105.1 G285  
In soils.
- 90907 CHI-SHENG, H., and others. Cultivation of the peanut root nodule bacteria and its effect on the fruit yield increase. 18 p. Ref. Transl. 13975  
C. Shu-yun, C. Pling-Chen, and C. Chih-p'ei, joint authors.  
Translation from T'u-jiang Hsueh-pao 2(4): 185-195. July 1956.
- 90908 CHUNDEROVA, A. I. On phosphatase activity of the corn rhizosphere microflora. (Rus) *Mikrobiologiya* 33(1):102-106. Jan./Feb. 1964. 448.3 M582  
English summary.
- 90909 DAWSON, R. C. Food for peace: soil microorganisms and agricultural production. *Amer. Soc. Agron. ASA Spec. P.* 1:77-84. Ref. Apr. 1963. 64.9 Am3
- 90910 DEUBERT, K. H. Studies on the importance of the free-living nematodes for the decomposition of organic materials. (Ge) *Nematologica* 9(4):495-501. 1963. 436.8 N342  
English summary.
- 90911 DOMINIK, T., and MADEJ, T. Badanie mikrofizmu zespolu sosnowego w lesnictwie Starzenina. Investigation on mycotrophism of Scotch pine [*Pinus sylvestris*] association in forest district Starzenina. Warsaw. Inst. Badawczy Lesn. Prace 259, 9 p. 1963. 99.9 W263  
English summary.
- 90912 FABRY, MRS. GY. Biological transformation of phosphoric acid in Czernozem soils with medium humus layer. (Hu) *Agrokem. es Talajtan* 12(4):577-592. Ref. Dec. 1963. 385 Ag83  
French summary.
- 90913 FIUCZEK, M. Oxygen uptake as the ecological index of the activity of microorganisms in peat soils. (Pol) Warsaw. *Szkola Główna Gosp. Wiejsk. Roln.* 7:3-28. Ref. 1963. 20.5 W26  
English summary.
- 90914 GEBGARDT, A. G., and DATSYUK, N. M. Distribution of auxoautotroph and auxoheterotroph microorganisms in wheat rhizosphere. (Rus) *Mikrobiologiya* 33(1):97-101. Ref. Jan./Feb. 1964. 448.3 M582  
English summary.
- 90915 GELIN, O., and BLIXT, S. Root nodulation in peas. *Agri Hortique Genet.* 22(1/2):149-159. 1964. 64.8 Ag8  
Fixation of nitrogen from the air by *Bacillus radicicola*.
- 90916 GHILAROV, M. S. Pedozoological studies in the USSR; historical and present-day. (Fr) *Ann. des Epiphyt.* 14(1):74-80. 1963. 464.9 F84An
- 90917 GHILDYAL, B. P. Some observations on the nature of non-biological nitrification in Tropics. *Indian Soc. Soil Sci. J.* 12(1):51-57. Ref. Mar. 1964. 56.9 In2  
Influence of solar heat on the non-biological nitrification of ammonium sulfate.
- 90918 GISIGER, L. Testing the biological decomposition of raw phosphate in alkaline soil. (Ge) *Landwirt. Forsch.* 16(3):242-247. 1963. 18 L2333  
English summary.
- 90919 HAHNEL, W. A fluorescence method for determining soil microorganisms. (Ge) *Albrecht-Thaer-Arch.* 8(1/3):139-152. Ref. 1964. 18 AL1  
English summary.
- 90920 HAMATOVA-HLAVACHOVA, E. Production of "Nitrazon" bacterial inoculant and its administration to legumes in Czechoslovakia. (Hu) *Agrokem. es Talajtan* 12(4):661-666. Ref. Dec. 1963. 385 Ag83
- 90921 LYALETDINOV, A. N., and KANATCHINOVA, M. K. Microbiological transformations of sulphur compounds in periodically flooded soils of the Kzyl-Orda area. (Rus) *Mikrobiologiya* 33(1):118-125. Jan./Feb. 1964. 448.3 M582  
English summary.  
Rice.
- 90922 IVANOV, P., and DIMITROVA, M. Mobility, nitrification and assimilability of non-exchangeable ammonium in Chernozems and Gray Forest soils. (Bu) *Tolbukhin. Inst. po Pshenitsata i Slunchogleda. Izv.* 5:55-69. Ref. 1963. 59.9 T572  
English summary.
- 90923 IVANOV, P. The effect of phosphoric acid on the nitrification of ammonium nitrogen introduced in certain soils during laboratory tests. (Bu) *Tolbukhin. Inst. po Pshenitsata i Slunchogleda. Izv.* 5:47-54. Ref. 1963. 59.9 T572  
English summary.
- 90924 JAKUBISIAK, B., and GOLEBIEWSKA, J. Influence of fungicides on *Rhizobium*. *Acta Microbiol. Polon.* 12(3):196-202. Ref. 1963. 448.3 Ac82
- 90925 KONIG, E. The influence of plant growth on the chemotropic activity of soil fungi on rock phosphates. (Ge) *Landwirt. Forsch.* 16(4):295-303. Ref. 1963. 18 L2333  
English summary.
- 90926 KOZLOVA, E. I., GORBENKO, YU. A., and ROMANENKO, V. I. Comparative studies of the microflora of the rhizosphere of woody plants and some peculiarities of its carbon exchange. (Rus) Moscow. *U. Vest. Ser. 6*, 3:35-42. May/June 1963. 442.9 M854



- 90927 LIBOR, O., and VARGA, E. Binding and desorption on glauconite of biologically active trace elements. (Hu) *Agrokem. es Talajtan* 12(4):621-630. Ref. Dec.1963. 385 Ag83  
English summary.  
As carriers in case of foliar nutrition of plants.
- 90928 LOWE, R. H., and EVANS, H. J. Preparation and some properties of a soluble nitrate reductase from *Rhizobium japonicum*. *Biochim. et Biophys. Acta* 85(3):377-389. June 1, 1964. 381 B522
- 90929 MARTON, M., and VARGA, L. Contributions to the microbiology of alkali ("Szik") soils; eco-physiological character, specific composition and distribution of microflora and microfauna in slightly alkaline Smonitza soils. (Ge) *Acta Agron. [Budapest]* 12(3/4):251-279. Ref. 1963. 19 Ac8  
English summary.
- 90930 MOLINA, J. A. E., and ROVIRA, A. D. The influence of plant roots on autotrophic nitrifying bacteria. *Canad. J. Microbiol.* 10(2):249-257. Apr. 1964. 448.8 C162  
Nitrosomonas and Nitrobacter in corn and alfalfa soils.
- 90931 MURO DE REDON, M. DEL. Importance of legumes; they supply a large quantity of nitrogen at reduced costs. (Sp) *Tierra [Mexico]* 18(12):934,975. (Cont.) Dec. 1963. 8 T445
- 90932 NIELSEN, G. A., and HOLE, F. D. A study of the natural processes of incorporation of organic matter into soil in the University of Wisconsin Arboretum. *Wis. Acad. Sci. Arts & Let. Trans.* 52:213-227. Ref. 1963. 500 W75
- 90933 NIKITIN, D. I., and STEFANOV, S. B. Electron-microscopic study of soil suspensions. 5 p. Transl. 13887  
Microorganisms.  
Translation from *Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya* 2:283-286. 1963.
- 90934 NITA, L. Nitrogen fixation activity of root nodule bacteria of pea and vetch and nitrogen accumulation dynamics in the plant. (Hu) *Agrokem. es Talajtan* 12(4):647-654. Ref. Dec. 1963. 385 Ag83  
French summary.
- 90935 NITA, L. Physiological properties of *Rhizobium* races with high nitrogen fixation capacity isolated from pea and vetch root nodules. (Hu) *Agrokem. es Talajtan* 12(4):655-660. Dec. 1963. 385 Ag83  
French summary.
- 90936 NORRIS, D. O., and MANNETJE, L. 'T. The symbiotic specialization of African *Trifolium* spp. in relation to their taxonomy and their agronomic use. *East African Agr. & Forestry J.* 29(3):214-235. Jan. 1964. 24 Ea74  
Rhizobium inoculation.
- 90937 NOVAK, B., and FRANKLOVA, S. Influence of some inhibitors on humus formation. I. Inhibition of the terminal oxidation system. (Ge) *Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. II, Natwiss.* 117(7):714-721. Ref. Apr. 29, 1964. 448.3 C33  
English summary.  
Calcium cyanamide as experimental inhibitor.
- 90938 PANKOW, H., and MARTENS, B. On *Nostoc sphaericum* Vauch. (Ge) *Arch. f. Microbiol.* 48(2):203-212. Ref. 1964. 442.8 Ar26  
Nitrogen fixation.
- 90939 PETKOV, P. D. Studies on the spread of the yeasts of genus *Lipomyces* in the soils of Bulgaria. (Bu) *Tolbukhin. Inst. po Pshenitsata i Slunchogleda. Izv.* 5:5-29. Ref. 1963. 59.9 T572  
English summary.
- 90940 PETROVA, M., and PETKOV, P. Results of field tests with bacterial preparations from Rumania. (Bu) *Tolbukhin. Inst. po Pshenitsata i Slunchogleda. Izv.* 5:31-36. Ref. 1963. 59.9 T572  
English summary.  
Effects of nitragin, azotobacterin, phosphobacterin and silicobacterin.
- 90941 QUINSAC, J. P. Microbes and humus. (Sp) *Inst. Agr. Catalan de San Isidro. Rev.* 113(4):86-87. Apr. 1964. 15 Sa5
- 90942 RANGASWAMI, G., and SADASIVAM, K. V. Studies on the occurrence of *Azotobacter* in some soil types. *Indian Soc. Soil Sci. J.* 12(1):43-49. Ref. Mar. 1964. 56.9 In2
- 90943 REDDY, G. R. Effect of mixing varying quantities of dicyandiamide with ammonium fertilizers on nitrification of ammonia in soils. *Canad. J. Soil Sci.* 44(2):254-259. Ref. June 1964. 56.8 C162
- 90944 REMUS, A. Macrofauna of wet soils under permanent pasture and in arable lands. (Ge) *Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn* 10:75-85. Feb. 1964. 18 F777
- 90945 RYBALKINA, A. V. Vinogradskii's views and methods in soil microbiology and their further development. (Rus) *Pochvovedenie* 4:66-76. Ref. Apr. 1964. 57.8 P34  
English summary.
- 90946 SANIKIDZE, G. S. The effect of fertilizers on microbiological processes of soils of Grecian laurel [*Laurus nobilis*] stands. (Rus) *Mikrobiologiya* 33(1):112-117. Ref. Jan./Feb. 1964. 448.3 M582  
English summary.  
Manures.
- 90947 SASSON, A., and DASTE, P. New facts concerning the utilization of xylose by *Azotobacter*. (Fr) *Rev. Gen. de Bot.* 61(838/839):81-90. Ref. Mar./Apr. 1964. 450 R326  
As source of carbon.
- 90948 SMYK, B., and DRZAL, M. Research on the distribution and role of microflora occurring on limestone in karst territories of southern Poland. I. (Pol) *Acta Agr. et Silvestria. Ser. Roln.* 2:71-99, map. Ref. 1962. 20.5 Ac8  
English summary.
- 90949 STEINBRENNER, K., and GRABERT, D. Dynamics and intensity of breakdown of some organic materials. (Ge) *Albrecht-Thaer-Arch.* 8(1/3):179-191. Ref. 1964. 18 AL1  
English summary.  
Includes soil biology.
- 90950 SYMPOSIUM VI: Effect of chemical and biological control measures on soil micro-organisms. *Internatl. Cong. Microbiol. Recent Prog. Microbiol. Symp., 8th Cong.*:245-290. Ref. 1962, pub. 1963. 442.9 In83R  
Chairman, H. Katznelson.  
Chiefly herbicides and biological control of soil-borne plant pathogens.
- 90951 TORNE, E. VON. Observations of animal succession during the rotting of grain straw. I. (Ge) *Albrecht-Thaer-Arch.* 8(1/3):193-213. Ref. 1964. 18 AL1  
English summary.  
In soils.
- 90952 UNGER, H. The influence of high N applications on the cellulolytic activity of soils as well as relations between microorganism activity and yields in a meadow. (Ge) *Albrecht-Thaer-Arch.* 8(1/3):215-232. Ref. 1964. 18 AL1  
English summary.
- 90953 VIDAL, G., and LEBORGNE, L. Further studies on grape rhizosphere. (Fr) *Inst. Pasteur. Ann.* 106(4):651-653. Apr. 1964. 448.3 An75  
English summary.  
*Azotobacter*.
- 90954 VIDLA F., C. Los microorganismos del suelo la materia organica [Soil microorganisms and organic matter]. *Guanos y Fert. de Mex. B.* 8(35/36), 72 p. Apr./Sept. 1963. 57.9 G932
- 90955 VISSER, S. A. A study in the decomposition of *Cyperus papyrus* in the swamps of Uganda, in natural peat deposits, as well as in the presence of various additives. *East African Agr. & Forestry J.* 29(3):268-287. Ref. Jan. 1964. 24 Ea74

#### Soil-Plant-Animal Relationships

- 90956 ARMSTRONG, R. W. Spectrographic analyses of pasture grass and drinking water in relation to stomach cancer mortality in Iceland. *Acta Agr. Scand.* 14(1):65-76, map. Ref. 1964. 11 Ac82

- 90957 GAVILLON, O. Increasing the mineral composition of pastures of Rio Grande do Sul. (Por) *Dipan* 15(130):27-32. 1963. 41.9 R473  
Soil-plant-animal relations.
- 90958 NADEAU, J. D. Influence of soils on animal health; work of a study committee. (Fr) *St. Hyacinthe. Ecole de Med. Vet. Inform. Vet.* 6 (1):1-4. Jan./Feb.1964. 41.9 Sa2
- 90959 PAAKKOLA, O., and MIETTINEN, J. K. Strontium-90 and caesium-137 in plants and animals in Finnish Lapland during 1960. *Suomalainen Tiedeakatemia. Ann. Ser. A, II. Chem.* 125, 14 p.,map. Ref. 1963. 385 H362  
Soil-plant-animal relations.
- Soil Genesis, Formation, Classification, and Mapping**
- 90960 ARMS, F. S., and others. Soil survey of Adair County, Kentucky. U. S. Soil Conserv. Serv. Soil Survey Ser. 1961(4),127 p.,map. Ref. Apr. 1964. 1 So32F  
D. S. Henry, A. S. Johnson, W. R. Partin, T. G. Sparks, and O. Whitaker, joint authors. Kentucky Agricultural Experiment Station, cooperating.
- 90961 ARNO, J. R., and others. Soil survey of Aroostook County, Maine, northeastern part. U. S. Soil Conserv. Serv. Soil Survey Ser. 1958(27), 80 p.,map. Ref. Apr.1964. 1 So32F  
J. S. Hardesty, R. B. Willey, W. H. Farley, B. W. McEwen, K. P. Wilson, A. D. Backer, J. E. McCuen, A. P. Faust, and S. Michaels, joint authors. Maine Agricultural Experiment Station, cooperating.
- 90962 BELJERINCK, W. Humus hardpan and leached sand as formed by opposite climates. 7 p. Ref. Transl. 13746  
Translation from Koninklijke Akademie van Wetenschappen te Amsterdam 37(2):93-99. 1934.
- 90963 BUNESCU, V., and MICLAUS, V. Data on the mountain meadows of the Rodna Mountains. (Rum) *Bucharest. Acad. Repub. Pop. Romine. Filiala Cluj. Studii si Cercet. de Agron.* 13:71-79. Ref. 1962,pub.1963. 21 B854  
French summary.  
Soil types.
- 90964 BUONDONNO, C. The soil of the Diano Valley; chemical and agricultural survey. (It) *Naples. U. Facol. di Sci. Agr. Ann. (ser.3)*29:267-273, map. 1963/64. 105.4 P83  
English summary.
- 90965 BUONDONNO, C. The soil of the lower district of the Lao; chemical and agricultural survey. (It) *Naples. U. Facol. di Sci. Agr. Ann. (ser.3)* 29:253-265,map. 1963/64. 105.4 P83  
English summary.
- 90966 BUONDONNO, C. The soil of the Province of Napoli; chemical and agricultural survey. (It) *Naples. U. Facol. di Sci. Agr. Ann. (ser.3)*29: 221-251,map. 1963/64. 105.4 P83  
English summary.
- 90967 CHATTERJEE, N., and MATHUR, K. S. Survey of sugarcane soils of Tulsipur Zone, District Gonda, Uttar Pradesh. *Indian Sugar [Calcutta]* 14(1):35-39. Apr.1964. 65.8 In26
- 90968 CHEN, C. S. Micropedological study on the paddy soils derived from Hsiashu loam. (Ch) *Acta Pedol. Sinica* 10(3/4):380-387. Ref. Sept./Dec.1962. 56.9 Ac8  
English summary.
- 90969 CHIRITA, C. D. Pedogenetic processes and soils of morphogenetic degradation in the zone of Reddish Brown Forest soil of the Rumanian Plain (Cimpia Romina). (Rum) *Bucharest. Acad. Repub. Pop. Romine. Filiala Cluj. Studii si Cercet. de Agron.* 13:7-51. Ref. 1962,pub. 1963. 21 B854  
English summary.
- 90970 COLE, W. A., and others. Soil survey of Jackson County, Mississippi. U. S. Soil Conserv. Serv. Soil Survey Ser. 1960(18),65 p.,map. June 1964. 1 So32F  
J. H. Dent, M. E. Shaffer, V. C. Allgood, L. R. Watts, and R. E. Fulgham, joint authors. Mississippi Agricultural Experiment Station, cooperating.
- 90971 DAHNKE, W. C., MALCOLM, J. L., and MENENDEZ, M. E. Phosphorus fractions in selected soil profiles of El Salvador as related to their development. *Soil Sci.* 98(1):33-38. July 1964. 56.8 So3
- 90972 EMORY, S. T. Geology, soils, and crops in the North Carolina Piedmont. *Va. J. Sci. (n.s.)*15 (1):6-15. Jan.1964. 470 V81
- 90973 GANSSEN, R. Important processes of soil formation in typical geographical area schematically represented. (Ge) *Erde* 95(1):16-25. 1964. 474 Er1  
English summary.
- 90974 GARCIA DEL BARRIO, I. Soils in the United States. (Sp) *Spain. Inst. Nac. de Invest. Agron. Conf.* 1964:117-142. 15 Sp18C  
Soil survey.
- 90975 GIL, J. Brief notes on selection of soils for agricultural purposes. (Por) *Gaz. do Agr.* 15 (170):230-232. July 1963. 24 G25  
Soil types.
- 90976 GORBUNOV, B. V., and KOBZEVA, G. I. Experiment with the mapping of soils of Uzbekistan. (Rus) *Khlopkovodstvo* 5:15-17. May 1964. 72.8 K522
- 90977 GT. BRIT. SOIL SURVEY RESEARCH BOARD. Soil survey of Great Britain. *Gt. Brit. Soil Survey Res. Bd. Rpt.* 16,39 p.,map. Ref. 1963, pub.1964. 56.9 G792
- 90978 GUERNSEY, C. W. Some aspects of soils and soil survey on the Island of Maui, Hawaii. *Ind. Acad. Sci. Proc.* 72:338-339. 1962,pub.1963. 500 In2
- 90979 HAMDI, H., EL DAMATY, A. EL H., and HANNA, F. A study on some gypseous soils in Kharga oasis. *Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed.* 1 (1):33-41,map. 1963. 26 L53
- 90980 HILL, D. E., and GONICK, W. N. The Paxton soils. *Conn. Agr. Expt. Sta. B.* 662,47 p.,map. Ref. Dec.1963. 100 C76St
- 90981 HSI, C. F., and CHAO, C. Formation, soda accumulation and alkalization of saline soils in Tatung Basin. (Ch) *Acta Pedol. Sinica* 10(3/4): 235-257. Sept./Dec.1962. 56.9 Ac8  
English summary.
- 90982 ISELEY, E. E., and others. Soil survey of Treutlen County, Georgia. U. S. Soil Conserv. Serv. Soil Survey Ser. 1961(3),79 p.,map. Jan. 1964. 1 So32F  
J. L. Sullivan, R. L. Wilkes, and D. D. Bacon, joint authors. Georgia Agricultural Experiment Stations, cooperating.
- 90983 LAKOMIEC, I. Characteristics of the organic matter in Podzol forest soil and cultivated soil from Rogow. (Pol) *Warsaw. Szkola Glowna Gosp. Wiejsk. Roln.* 7:167-183. Ref. 1963. 20.5 W26  
German summary.
- 90984 LAVKULICH, L. M., PAWLUK, S., and ODYNSKY, W. Soil profile development in some Peace River soils. *Canad. J. Soil Sci.* 44(2): 188-195. Ref. June 1964. 56.8 C162  
Classification.
- 90985 MCCracken, R. J., WEED, S. B., and GOLDSTON, E. F. Planosolic Piedmont soils of North Carolina. I. Morphology and composition. *Soil Sci.* 98(1):22-32,map. Ref. July 1964. 56.8 So3
- 90986 MARKGRAF, G. Profile formation and humus composition of Black soils in the Magdeburg Borde area. (Ge) *Albrecht-Thaer-Arch.* 8(1/3):89-105. Ref. 1964. 18 Al1  
English summary.
- 90987 MERTENS, H. On the usefulness of soil evaluation data for soil mapping. (Ge) *Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn* 10:21-34. Feb.1964. 18 F777
- 90988 NEWMAN, A. L., and others. Soil survey of Cochran County, Texas. U. S. Soil Conserv. Serv. Soil Survey Ser. 1960(17),80 p.,map. Mar.1964. 1 So34F  
A. W. Outlaw, J. W. Green, C. L. Girdner, and W. E. Richardson, joint authors. Texas Agricultural Experiment Station, cooperating.



- 90989 PREDA, M., and others. The soils in the Mures Basin, from the confluence with the Niraj to the confluence with the Aries. (Rum) Bucharest. Acad. Repub. Pop. Romine. Filiala Cluj. Studii si Cercet. de Agron. 13:53-69, map. Ref. 1962, pub. 1963. 21 B854  
I. Crisan, I. Roman, and T. Taropa, joint authors.  
English summary.
- 90990 RAMUNNI, A., and NENNA, G. Pedological observations on clay-calcareous formations of the Province of Cozenza. (It) Naples. U. Facol. di Sci. Agr. Ann. (ser.3)29:349-358. Ref. 1963/64. 105.4 P83  
English summary.
- 90991 RAPAPORT, C. Contributions to the knowledge of Pseudo-Rendzina soils between the Rivers Mures and Tirnava Mica. (Rum) Bucharest. Acad. Repub. Pop. Romine. Filiala Cluj. Studii si Cercet. de Agron. 13:81-94. Ref. 1962, pub. 1963. 21 R854  
English summary.
- 90992 REDKIN, V. K., and TARNORUTSKII, S. A. Complete soil survey in Tadzhikistan. (Rus) Khlopkovodstvo 4:29-33, map. Apr. 1964. 72.8 K522
- 90993 ROZANOV, B. G., and ROZANOVA, I. M. The soils of the mountain subtropics and the high mountain regions of Burma. (Rus) Moscow. U. Vest. Ser. 6, 3:71-78. May/June 1963. 442.9 M854
- 90994 SLAVNYI, YU. A., and HSAVRYGIN, P. I. The origin of gleying of soils of Amur and Zeya River area. (Rus) Pochvovedenie 4:98-107. Ref. Apr. 1964. 57.8 P34  
English summary.
- 90995 SOKOLOV, A. A., and KOLKHODZHAEV, M. K. Meadow-brown desert soils of Zaisan depression formed on a two-layered drift. (Rus) Pochvovedenie 4:49-56. Ref. Apr. 1964. 57.8 P34  
English summary.
- 90996 TEDROW, J. C. F., and DOUGLAS, L. A. Soil investigations on Banks Island. Soil Sci. 98 (1):53-65, map. Ref. July 1964. 56.8 So3
- 90997 VEBER, K. The number of moors in the Estonian S.S.R. (Es) Eesti Loodus 5:266-270. Sept./Oct. 1963. 409.6 Ee7  
English summary.
- 90998 VIDALON, C., ROSSI, R., and GONZALES, J. Study of soils for purposes of irrigation. (Sp) Agronomia [Lima] 30(2):48-61. 1963. 9.8 Ag83  
Classification.
- 90999 VIEILLEFON, J. Antsohiy [Antsohiy]. Tananarive. Inst. de Rech. Sci. de Madagascar. Not. sur les Cartes Pedol. de Reconnaissance au 1/200,000. Feuille 8, 87 p., map. Ref. 1963. 56.9 T152N
- 91000 WALKER, L. C. Humus types of the Highlands area of North Carolina. Elisha Mitchell Sci. Soc. J. 80(1):24-29. Ref. May 1964. 500 EL4
- 91001 WANG, A. C. The special characteristics and genesis of the Brown calcium soil of the large grassy plains of Inner Mongolia. (Ch) Acta Pedol. Sinica 10(3/4):341-354. Ref. Sept./Dec. 1962. 56.9 Ac8  
Russian summary.
- 91002 WEN, C. W. The soil geography of the Wei-wu-erh Autonomous Region of Sinkiang. (Ch) Acta Pedol. Sinica 10(3/4):323-340, map. Sept./Dec. 1962. 56.9 Ac8  
Russian summary.
- 91003 ZACHARY, A. L., and POST, D. F. Origin, characteristics, and management of the soil associations of Allen County. Ind. Acad. Sci. Proc. 72:330-337. 1962, pub. 1963. 500 In2
- 91004 ZONN, S. V., KARPACHEVSKII, L. O., and STEFIN, V. V. Lesnye pochvy Kamchatki [Forest soils of Kamchatka]. Moskva, Izdatel'stvo Akademii Nauk SSSR, 1963. 254 p. Ref. 56.4 Z7
- 91006 FISHER, J. R. Large floodways present problems in construction. Soil Conserv. 30(1):15-16. Aug. 1964. 1.6 So3S  
Watershed project in western Minnesota.
- 91007 FUJIMURA, T. Vital points in soil management of grasslands. (Ja) Dairyman 14(4):24-25. Apr. 1964. 44.8 D1454
- 91008 HANNA, G. P. The relation of water to strip-mine operation. Ohio J. Sci. 64(2):120-124. Mar. 1964. 410 Oh3
- 91009 HARROLD, L. What we don't know in watershed hydrology. Ohio. Agr. Expt. Sta. Spec. Rpt. Ser. 2:17-20. Oct. 1963. 100 Oh3Spe
- 91010 HEINZE, H. Nutritional quality-fertilizing-soil quickening. (Ge) Lebendige Erde 5:199-208. Sept./Oct. 1963. 18 L49  
Biological management of soil.
- 91011 HYSLOP, J. Some present day reclamation problems: an industrialist's viewpoint. Ohio Sci. J. 64(2):157-165. Mar. 1964. 410 Oh3  
Strip-mined areas.
- 91012 JANSMA, J. D., and BACK, W. B. Local secondary effects of watershed projects: a case study of Roger Mills County, Oklahoma. U. S. D. A. Econ. Res. Serv. ERS-178, 28 p. May 1964. A281.9 Ag83E  
Oklahoma Agricultural Experiment Station, cooperating.
- 91013 KABANOV, P. G. Means of overcoming droughts. (Rus) Zemledelie 2:12-18. Feb. 1964. 20 Z44  
Chiefly tillage and organization of irrigation and windbreaks.
- 91014 KNABE, W. Methods and results of strip-mine reclamation in Germany. Ohio J. Sci. 64(2):75-105, map. Ref. Mar. 1964. 410 Oh3  
Includes discussion.
- 91015 LEE, L. H., and CHAN, Y. S. The effect of sanding non-irrigated clay soil on sugar cane yield. (Ch) Taiwan Sugar Expt. Sta. Rpt. 34:31-55. Ref. Feb. 1964. 65.9 F76R  
English summary.
- 91016 LIMSTROM, G. A. Revegetation of Ohio's strip-mined land. Ohio J. Sci. 64(2):112-119. Mar. 1964. 410 Oh3
- 91017 MATSUBARA, S., and KAWAKAMI, T. Improvement policies for pear orchard soil which has worn out. (Ja) Kajitsu Nippon 19(3):37-39. Mar. 1964. 80 K122
- 91018 OHIO AGRICULTURAL EXPERIMENT STATION. A symposium on strip-mine reclamation held at Wooster, Ohio. Ohio J. Sci. 64(2):65-175. Mar. 1964. 410 Oh3  
Natural Resources Institute of Ohio State University and Federal Research Experiment Station for Forestry and Forest Products, Reinbek, Germany, cooperating.  
Introduction by C. A. Dambach and O. D. Diller; Foreword, by R. M. Kottman.
- 91019 PENDELETON, J. W., and HAMMOND, J. J. Reclaiming strip-mined land. Ill. Res. 6(3):10-11. Summer 1964. 100 IL64
- 91020 REINHART, K. G., and PIERCE, R. S. Stream-gaging stations for research on small watersheds. U. S. D. A. Agr. Handb. 268, 37 p. Ref. May 1964. 1 Ag84Ah  
Measurement of streamflow.
- 91021 ROTINI, O. T. Farming on clayey soils. (It) Prog. Agr. [Bologna] 10(1):25-30. Jan. 1964. 58.8 P94  
Structure, analysis, and management.
- 91022 SMITH, H. G., and others. Classification and revegetation of strip-mine spoil banks. Ohio Sci. J. 64(2):168-175. Mar. 1964. 410 Oh3  
H. H. Morse, G. E. Bernath, L. E. Gillogly, and W. M. Briggs, joint authors.  
Included planting for erosion control.
- 91023 STRUTHERS, P. H. Chemical weathering of strip-mine spoils. Ohio J. Sci. 64(2):125-131. Mar. 1964. 410 Oh3
- 91024 U. S. DEPT. OF AGRICULTURE. SOILS, WATER AND FERTILIZER RESEARCH ADVISORY COMMITTEE. Report and recommendations developed at the tenth meeting, Phoenix and Tucson, 1963. Washington, U. S. Agr. Res. Serv., 1963. 12 p. A56.9 R312  
Soil management, watershed management, water supply.

## SOIL MANAGEMENT

- 91025 U. S. FOREST SERV. PACIFIC SOUTHWEST FOREST AND RANGE EXPERIMENT STATION. Fifth progress report, 1961-62 and 1962-63, California cooperative snow management research, by H. W. Anderson, L. G. Richards, and M. E. Groshong. Berkley, 1963. p.204-253, map. Ref. A292.9 F762  
State of California, Department of Water Resources, cooperating.  
Watershed management.
- Soil Fertility
- 91026 ARENS, R. The effect of nitrogen fertilizing on intensive pasture utilization in Rengen. (Ge) Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn 10:275-297. Ref. Feb.1964. 18 F777
- 91027 ARNOLD BIK, R. Substrates and fertilization of pot plants. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:116-125. 1962, pub.1964. 90.09 C7616P
- 91028 ATKINSON, W. O., and MASSIE, I. E. Fertilizing burley tobacco. Ky. U. Agr. Ext. C. 545-A, 16 p. Mar.1964. 275.29 K415  
Chiefly nitrogen, phosphorus, and potassium.
- 91029 AUFHAMMER, G., and FISCHBECK, G. Grain yield and brewing quality of summer barley in a three year monoculture with various fertilizers. (Ge) Braugersten-Jahrb. 1960/62: 112-156. Ref. 1963. 59.8 B73
- 91030 AUGUSTINE, M. T., and others. Response of American beachgrass to fertilizer. J. Soil & Water Conserv. 19(3):112-115. May/June 1964. 56.8 J822  
R. B. Thornton, J. M. Sanborn, and A. T. Leiser, joint authors.
- 91031 AZAMI, S., SHIMADA, H., and SHIBATA, A. The influence of buried organic matter on the soil and mulberry trees in poorly producing mulberry orchards. (Ja) Sansi-Kenkyu 46:1-9. Apr.1963. 425.9 J273S
- 91032 BALLA, MRS. A. Comparative study on the effect of manures and mineral fertilizers in crop rotational fertilization experiments. IV-V. (Hu) Agrokem. es Talajtan 12(4):517-536. Dec.1963. 385 Ag83  
French summary.
- 91033 BARRETT-LENNARD, I. P. Nitrogen fertilization of cereals on the farm. Farmers' & Sci. Joint Conf. Cereals & Wool, 5th Conf.:16-18. 1963. 27 F22C  
Includes discussion.
- 91034 BEDAK, G. G. Phosphorous fertilizers used for hemp. (Rus) Priroda [Moscow] 3:81. 1964. 410 F933
- 91035 BERESKY, A. Use of liquid fertilizers in greenhouses in Israel. Internatl. Superphosphate Mfr. Assoc. Agr. Comt. B. de Doc. 37: 27-29. Feb.1964. 241 In832  
Text also in French.
- 91036 BHIDE, V. K., and MOTIRAMANI, D. P. Effect of fertilizers on available potassium in soils of Madhya Pradesh. Indian Soc. Soil Sci. J. 12(1): 37-42. Mar.1964. 56.9 In2
- 91037 BIAR, E. The fertilization of small fruit. (Fr) Potasse 38(315):115-119. May/June 1964. 57.8 P84  
Strawberries, raspberries, and black currants.
- 91038 BLACK, E. O. Fertilizing value of poultry manure. New Brunswick. Dept. Agr. Poultry Br. News Poultrymen, Mar.1964:7-9. 47.9 N42
- 91039 BLIXT, B. Nitrogen fertilizing of meadows. (Sw) Hallands Lans Hushsallsk. Tidskr. 7(1):21-22. Jan.1964. 11 H152
- 91040 BOHL, K., and KASPER, W. Slag, a valuable calcium source. (Ge) Deut. Landwirt. 15(2): 79-80. Feb.1964. 18 D4822
- 91041 BONCIARELLI, F. Increased doses of nitrogen and grain yield. (It) Prog. Agr. [Bologna] 10(1):31-46. Jan.1964. 58.8 P94  
Wheat.
- 91042 BORNA, Z. The influence of fertilization with several dosages of the post-filtration sewage sediments on the yield of late cabbage. (Pol) B. Warzywnicz 6:101-105. 1961/62. 80 B54  
English summary.
- 91043 BORNA, Z., and CHODUN, S. The influence of fertilization with sewage sludge, composted garbage and ammonia water on the yield of cabbage. (Pol) B. Warzywnicz 6:95-100. 1961/62. 80 B54  
English summary.
- 91044 BOSCH, S. Grassland and nitrogen fertilizing. (Du) Nederland. Heidemaatsch. Tijdschr. 75 (5):261-266. May 1964. 12 N282
- 91045 BRICI, I., and PETREANU, F. Contribution to the study of the influence of mineral fertilizers on the soya grain output. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:155-160. 1963. 106.4 T48  
English summary.
- 91046 BRICKBAUER, E. A. Corn silage-tonnage and protein levels as affected by soil fertility. Crop Quality Council. Ext. Conf. Rpt. 1963:69-72. 464.9 N813  
Wisconsin.
- 91047 BROOKS, O. L. Yield and growth response of Stuart pecan trees to zinc sulfate and nitrogen. Ga. Agr. Expt. Sta. C. (n.s.)40,11 p., map. June 1964. 100 G293Ci
- 91048 BRUCKNER, P. Problems of nitrogen fertilizing in potato culture. (Ge) Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn 10:159-173. Feb.1964. 18 F777
- 91049 BRUNING, D., LEHMANN-BECKOW, W., and TRILLMICH, H. D. Results of several years' fertilizer research on low-lying moor grassland with special reference to secondary salts of potassium fertilizer. (Ge) Z. f. Landeskult. 4(3/4):307-328. Ref. 1963. 282.9 Z3  
English summary.
- 91050 BUCHNER, A. Use of liquid fertilizers. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(25):923-925. June 18, 1964. 18 N39
- 91051 BURVILL, G. H. Nitrogenous fertilisers for cereals. Farmers' & Sci. Joint Conf. Cereals & Wool, 5th Conf.:13-15. 1963. 27 F22C  
Includes discussion.
- 91052 BURZLAFF, D. J. Fertilizer for subirrigated meadows. Nebr. Cattleman 20(5):14. Jan.1964. 43.8 N27
- 91053 CALDWELL, A. C. Corn population and soil fertility interactions. Crop Quality Council. Ext. Conf. Rpt. 1962:59. 464.9 N813  
Minnesota.
- 91054 CAPACCHIONE, M. New materials for agriculture: vermiculite. (It) Agr. Napoletana 31 (4):23-30. Ref. Apr.1964. 16 Ag8268  
Planting medium.
- 91055 CARDUS, J., and LASALA, M. Report on fertilization, pinching off and open air production of carnations. (Fr) Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:106-111. 1962, pub.1964. 90.09 C7616P
- 91056 CARRANTE, V. New directions on fertilization with special reference to grapes and olives. (It) Agricoltura 13(3):31-46. Mar. 1964. 16 Ag8226  
Includes discussion.
- 91057 CHANG, H. H. The most effective period for the application of nitrogen fertilizer to corn and an analysis of the reasons. (Ch) Chung Kuo Nung Pao 6:14-15. June 1963. 22.5 C473
- 91058 CH'UAN KUO CHI CHUNG CH'AN MIEN HSIEN MIEN HUA SHENG CH'AN HUI I. CHI SHU T'UI KUANG LAO MO TSU. Several important proposals on the technical application of fertilizers for raising next year's cotton production. (Ch) Chung Kuo Nung Pao 9:3-5. Sept. 1963. 22.5 C473
- 91059 COCULESCU, G. Soil fertilization in winter. (Rum) Prob. Agr. [Bucharest] 16(1):45-50. Ref. Jan.1964. 21 R862
- 91060 COJOCARU, C., and others. Experimental results concerning the use of mineral fertilizers in high productivity wheat on different types of soil. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:75-84. 1963. 106.4 T48  
I. Fazecas, A. Rakoi, M. Naforita, I. Luca, I. Marcu, and I. Bild, joint authors.  
English summary.



- 91061 COJOCARU, C., and DUMITRASCU, F. The results obtained in the use of mineral fertilizers in maize after maize culture on two types of soil. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:59-66. 1963. 106.4 T48 English summary.
- 91062 COLOMBIA. LABORATORIO QUIMICO NACIONAL. Ensayos de fertilidad en invernadero sobre algunos suelos del lland [Fertility trials on winter pastures on plains soils]. Colombia. Lab. Quim. Nac. B. 6/7,81 p.,map. 1963. 385 C71
- 91063 COOK, J. A., and MALSTROM, H. L. Correction of zinc deficiency in California vineyards by soil treatment. Amer. J. Enol. & Viticult. 14(4):223-229. Ref. Oct./Dec.1963. 390.9 Am33
- 91064 CZUBA, R. Criteria for application of mineral fertilizers. (Pol) Nowe Roln. 12(20):22-23. Oct.16/31,1963. 20.5 N86
- 91065 DABULLA, A. Concerning the effect of green fertilization. (Al) B. i Shkencave Bujquesore 2 (4):51-79. Ref. 1963. 21.5 B87 English summary.
- 91066 DE GROOTE, R. Incorporation of city waste transformed into compost into classic substrate used in the culture of ornamental plants. (Fr) Internatl. Hort. Cong. [Proc.], 16th Cong.,v.4: 112-115. 1962,pub.1964. 90.09 C7616P Includes discussion.
- 91067 DEVAY, M. Mineral nutrition of wheat. II. (Hu) Elovilag 9(2):34-37. Mar./Apr.1964. 410 EL6
- 91068 DEVINE, J. R., and HOLMES, M. R. J. Field experiments comparing ammonium nitrate and ammonium sulphate as top-dressings for winter wheat and grassland. J. Agr. Sci. [London] 62 (3):377-379. June 1964. 10 J822 Great Britain.
- 91069 DOMBOVARI, J. Contributions to the phosphorous and water supply of lucerne. (Hu) Agro-kem. es Talajtan 12(4):555-564. Ref. Dec. 1963. 385 Ag83 English summary.
- 91070 DUNDAS, J. Sodium for spinach. Agr. & Vet. Chem. 5(2):25,48. Mar./Apr.1964. 382 Ag82
- 91071 DYUZHEV, P. K. Scientific basis for use of fertilizers for grapes. (Rus) Vinodel. i Vinograd. SSSR 3:20-25. 1964. 95.8 V77
- 91072 FAZECAS, I., and others. Research concerning the influence of nitrogen fertilizers applied periodically with a constant phosphorus dose in relation to high productivity on two types of soil. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:85-98. Ref. 1963. 106.4 T48 A. Radoi, M. Nafornta, I. Luca, and I. Marcu, joint authors. English summary.
- 91073 FREMOND, Y., and VILLEMAIN, G. Mineral fertilizers for old coconut groves on Ivory Coast. (Fr) Oleagineux 19(6):403-409. June 1964. 77.8 OL2 English summary, p.XXVII.
- 91074 FU-CHIEN SHENG LUNG-CH'I CHUAN CH'U NUNG YEH CHI SHU T'UI KUANG CHAN. The experience of using calcium cyanamide in the Lung-ch'i Special Area. (Ch) Chung Kuo Nung Pao 7:35-38. July 1963. 22.5 C473 As fertilizer.
- 91075 GARGANO-IMPERATO, E. Mineral nitrogen fertilization of forage legumes; tests on alfalfa (Medicago sativa L.); preliminary note. (It) Naples. U. Facol. di Sci. Agr. Ann. (ser.3):167-194. 1963/64. 105.4 P83 English summary.
- 91076 GASPERETTI, L., and others. Fertilizer tests on tomatoes carried out in 1962 by the Ente Delta Padano. (It) Mostra Internaz. delle Conserve ed Imballaggi. Cong. 18:151-156. Sept.20/30,1963. 389.9 M854 J. Pausini, M. Fiorelli, and A. Antoni, joint authors.
- 91077 GREEN, M. J. The effect of phosphate on young tea. Tea 5(1):13,15,17,19. Apr.1964. 68.19 T224
- 91078 GUREVICH, G. P. Soil fertilization with coastal iodine sources as a prophylactic measure against endemic goiter. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 23(3,pt.2):T511-514. Ref. May/June 1964. 442.9 F31P Iodine content of vegetables and grain fertilized with seaweed and fishmeal to prevent goiter in livestock and man.
- 91079 HAASTERT, H. Fertilizing gains ever more in importance! (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(22):822-823. May 28,1964. 18 N39
- 91080 HAMDI, H., EL DAMATY, A. EL H., and OMAR, M. A. Influence of fertilization on cotton plant. Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed. 1 (1):42-52. Ref. 1963. 26 L53
- 91081 HAMDI, H., EL DAMATY, A. EL H., and BAKHATI, H. Nutrition by foliar application of cotton Bahtim 185. Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed. 1(1):53-65. Ref. 1963. 26 L53 Egypt.
- 91082 HANLEY, F., JARVIS, R. H., and RIDGMAN, W. J. The effects of nitrogenous manuring, inter-row distance and method of sowing on the yields of a lucerne-cocksfoot ley. J. Agr. Sci. [London] 62(3):425-431. Ref. June 1964. 10 J822 Great Britain.
- 91083 HANNA, W. J., and GRIFFIN, G. F. Tests prove value of extra fertilizer for silage corn. N. J. Agr. 46(3):12-14. May/June 1964. 275.28 N46
- 91084 HARADA, R. The significance of fertilizer application conforming to the growth of fruit. (Ja) Noko-to-Engei 18(5):72-73. May 1963. 22.5 N693 Peaches.
- 91085 HARE, J. Is green manure for your garden? Org. Gard. & Farming 11(8):44-46. Aug.1964. 57.8 Or32
- 91086 HEY, E., and KNABE, O. Fertilizing of low-lying moorlands with micro-nutrients. (Ge) Z. f. Landeskult. 4(3/4):277-295. Ref. 1963. 282.9 Z3 English summary. East Germany.
- 91087 HITSCHFELD, O. Something on rock meal fertilizing. II. (Ge) Lebendige Erde 5:227-229. Sept./Oct.1963. 18 L49
- 91088 HO, T. Y. The special nature of the fertility of Red soil and its improvement and utilization. (Ch) Chung Kuo Nung Pao 5:18-23. May 1963. 22.5 C473
- 91089 HOFFMANN, F. Soil fertility and related concepts. (Ge) Z. f. Landwirt. Vers. u. Untersuchw. 10(2):99-111. Ref. 1964. 18 Z32 English summary.
- 91090 HUERTA S., A. Pairing of leaves representative of the nutritional status of the coffee plant. (Sp) Cenicafe 14(2):111-128. Ref. Apr./June 1963. 68.29 C332 For foliar diagnosis.
- 91091 IDEN, T. Nitrogen fertilization of vegetables. 1. (Ja) Noko-to-Engei 18(4):32-34. Apr.1963. 22.5 N693
- 91092 IDEN, T. Nitrogen fertilization of vegetables. 2. (Ja) Noko-to-Engei 18(5):39-41. May 1963. 22.5 N693
- 91093 IDEN, T. Potassium fertilization of vegetables. 1. (Ja) Noko-to-Engei 18(6):77-79. June 1963. 22.5 N693
- 91094 IVANOVA, T. Use of fertilizers under seasonal conditions. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:54-58. 1964. 20 M57 Effect on field crops yields.
- 91095 IVERSEN, K. Application of manures. (Da) Landbonyt 18(1):12,14. Jan.1964. 11 L2322
- 91096 IWASAKI, T. Fertilizer application for oranges. (Ja) Kajitsu Nippon 19(3):15-17. Mar. 1964. 80 K122
- 91097 JACQUOT, H. D. Gains boosts fertilizer sales; more than 600,000 acres were planted last fall in Washington to this high-yielding wheat variety that requires heavy application of nitrogen. Farm Chem. 127(6):36,38. June 1964. 57.8 Am3

- 91098 JOHANSSON, O. Results of field experiments with the urea. (Sw) Vaxt-Narings-Nytt 20(3): 23-25. 1964. 57.8 V47  
English summary, p.5-6 of supplement.
- 91099 JOHANSSON, O. A well balanced supply of plant nutrients. (Sw) Vaxt-Narings-Nytt 20(3): 1-11. 1964. 57.8 V47  
English summary, p.1-3 of supplement.  
Field crop fertilizing.
- 91100 JUSCAFRESA, B. Crop residues. (Sp) Cult. Mod. 46(10):377-378. Oct.1963. 15 C89  
As fertilizer.
- 91101 KALLAS, Z. YU. The effect of fertilizers and planting dates of grain varieties on their yields. (Rus) Selekt. i Semen. 2:26-28. Mar./Apr.1964. 61.9 Se5
- 91102 KAMPF, R. Nitrogen fertilizing and varietal intensity illustrated by W.-wheat research of the seed inspection for Swabia. (Ge) Bayer. Landwirt. Jahrb. 41(1):59-74. 1964. 18 L24
- 91103 KILCHER, M. R. A partial list of references of papers or reports dealing with forage crop fertilization in the Northern Great Plains Region and adjoining boreal forest area. Forage Notes [Ottawa] 10(1):25-35. Spring 1964. 60.8 F742
- 91104 KILCHER, M. R. The status of forage crop fertilization in Saskatchewan. Forage Notes [Ottawa] 10(1):23-25. Spring 1964. 60.8 F742
- 91105 KISS, E. I. Contribution to the article "Data on Rational Mineral Fertilization of Rice." (Hu) Magyar Mezogazdasag 19(21):14. May 20, 1964. 19 M27  
By J. Szabo.
- 91106 KOFRANEK, A. M., and LUNT, O. R. A new slow release fertilizer for the controlled nutrition of ornamental plants. Internatl. Hort Cong. [Proc.], 16th Cong., v.4:132-138. 1962, pub. 1964. 90.09 C7616P  
Coated fertilizers.  
Includes discussion.
- 91107 KOPER, S. Agrochemical stations in People's Republic of Poland. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:52-54. 1964. 20 M57  
Testing mineral requirements of soils.
- 91108 KRUSZE, N. The problem of organic fertilizer supply for farms growing vegetables. (Pol) B. Warzywnicy 6:35-42. 1961/62. 80 B54  
English summary.
- 91109 KRYLATOV, A. K. Soil fertility in the service of yields. (Rus) Vinodel. i Vinograd. SSSR 3: 58-60. 1964. 95.8 V77  
Fertilizers for grapes.
- 91110 KUT'KO, L. F., and MEL'NIK, M. YA. The effect of fertilizers on agrochemical properties of sandy soils and yields of grapes. (Rus) Vinodel. i Vinograd. SSSR 2:33-36. 1964. 95.8 V77
- 91111 LAIRD, R. A case of long term effects of fertilizers in Ayrshire. So. West Scotland Grassland Soc. J. 1(2):34-36. Mar.1963. 60.9 So82
- 91112 LECOMPT, M. Experimenting with fertilizers. IV. Experimental devices. (Fr) B. des Engrais 468:55-60. Mar.1964. 57.8 B87
- 91113 LE COMPTE, S. B. Varietal differences in yield of sweet peppers related to soil nutrient (N,P,K) and to irrigation. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:514-521. 1962, pub.1964. 90.09 C7616P  
New Jersey.
- 91114 LLANOS CAMPENY, M. Scientific bases for tobacco fertilizing. (Sp) Agricultura [Madrid] 33(385):290-292. May 1964. 15 Ag84
- 91115 LOPEZ BENITO, M. Study of the chemical composition of Lithothamnium calcareum (Aresch) and its application as corrector of soils for cultivation. (Sp) Indus. Conserv. 29 (292):286-288, map. Oct.1963. 389.8 In24
- 91116 LUDECKE, H., and NITZSCHE, M. On the nitrogen-potassium ratio in sugar beets and its influence on yield, quality, and sugar yield. II. (Ge) Zucker 17(8):203-211. Apr.15, 1964. 65.8 Z82  
English summary.
- 91117 MACHLAJEWSKI, S. Some problems of sugar beet fertilization. (Pol) Nowe Roln. 13(2):43-46. Jan.16/31, 1964. 20.5 N86
- 91118 MACLEAN, A. A. The evaluation of the residual effect of fertilizer in long-term fertility plots. II. Phosphorus. Canad. J. Soil Sci. 44(2): 223-227. Ref. June 1964. 56.8 C162
- 91119 MACLEOD, L. B., and others. Effect of various rates of liming and fertilization on certain chemical properties of a strongly acid soil and on the establishment, yield, botanical, and chemical composition of a forage mixture. Canad. J. Soil Sci. 44(2):237-247. Ref. June 1964. 56.8 C162  
R. F. Bishop, F. W. Calder, and C. R. MacEachern, joint authors.
- 91120 MADRAIMOV, I., and TAIROV, Z. Preliminary data on tests of new nitrogen fertilizers. (Rus) Khlopkovodstvo 5:38-39. May 1964. 72.8 K522  
Effect on cotton yields.
- 91121 MANCZAK, M. The influence of the type and depth of substratum and the addition of organic or mineral fertilizers on the yield of mushrooms. (Pol) B. Warzywnicy 6:165-180. Ref. 1961/62. 80 B54  
English summary.
- 91122 MATE, F., and VARGA, GY. Study of the utilization of calcium nitrate fertilizer in original and improved acid soils by means of N15 stable and Ca45 radioactive isotope labelling. (Hu) Agrochem. es Talajtan 12(4):549-554. Dec. 1963. 385 Ag83  
English summary.  
Studies on rye.
- 91123 MAZEPIN, K. G. Manure-soil composts on Chernozem soils. (Rus) Zemledelie 2:64-66. Feb.1964. 20 Z44  
Effect on soil fertility and on sugar beet yields.
- 91124 MILEY, N., and ADAMS, D. Lime; why, when and how much to apply on upland and terrace soils in Arkansas. Ark. U. Agr. Ext. L. 242, rev., 8 p.-folder. Apr.1964. 275.29 Ar4Le
- 91125 MILLER, C. E. NH3 pays off--on fescue pastures. Agr. Ammonia News 14(4):16-18. July/Aug.1964. 381 Ag82
- 91126 MIRZAEV, M. M., and SABIROV, M. K. Fertilizers for orchards of Uzbekistan. (Rus) Sadovodstvo 3:49-50. Mar.1964. 80 Sa13
- 91127 MIRZAEV, M. M., and SABIROV, M. K. Fertilizers for vineyards of Uzbekistan. (Rus) Vinodel. i Vinograd. SSSR 3:25-27. 1964. 95.8 V77
- 91128 MOGHE, V. Role of manganese in crop production. Fert. News 9(5):24-27. Ref. May 1964. 57.8 F4123
- 91129 MORRIS, H. D. Liquid and solid fertilizers for Coastal Bermudagrass. Ga. Agr. Res. 5 (4):16. Spring 1964. 100 G295
- 91130 MOTT, N. Influence of strip-grazing on the potassium and phosphorus content of the soils. (Ge) Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn 10:269-273. Feb.1964. 18 F777
- 91131 MYKLESTAD, S. Experiments with seaweed as supplemental fertilizer. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:432-438. 1961, pub.1964. 461.4 In8  
Includes discussion.
- 91132 NELSON, C. E. A management experiment with Gaines wheat under irrigation. Wash. Agr. Expt. Sta. C. 435, 12 p. June 1964. 100 W27S  
Fertilizers.
- 91133 NISHIDA, K. Fertilizer for oranges. (Ja) Kajitsu Nippon 19(4):44-45. Apr.1964. 80 K122
- 91134 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Lime and Liming. North. Ireland. Min. Agr. L. 84, 8 p. Dec.1963. 10 N81
- 91135 NOWAK, M. Liquid manure, a valuable fertilizer for pastures and meadows. (Pol) Nowe Roln. 13(3):23-24. Feb.1/15, 1964. 20.5 N86
- 91136 PAGEL, H., and LEVAN, C. On the temporal distribution of nitrogen fertilization for rice in alternating moist tropical climate. (Ge) Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed. 1(1):66-73. Ref. 1963. 26 L53



- 91137 PANNIKOV, V. D. Soil properties in relation to plant nutrition and use of fertilizers. I. (Rus) Zemeledelie 2:41-53. Feb.1964. 20 Z44
- 91138 PARKS, W. L., WALKER, W. M., and ODOM, J. A. Corn yields as influenced by soil potassium levels and potassium fertilizer placement. Tenn. Farm & Home Sci. Prog. Rpt. 50:10-12. Apr./June 1964. 100 T25F
- 91139 PARRA H., J., MCCORMICK N., A., and ARCILA O., F. The best place to fertilize coffee; study with radiophosphorus. (Sp) Cenicafé 13(3):115-124. Ref. July/Sept.1962. 68.29 C332
- 91140 PECZNIK, J. Foliar fertilization of apples. (Hu) Kerteszeti és Szőlészeti 13(11):18-19. June 1964. 80 K474
- 91141 PETROVA, M. The significance of the terms of introducing ammonium nitrate for winter wheat. (Bu) Tolbukhin. Inst. po Pshenitsata i Slunchogleda. Izv. 5:71-94. Ref. 1963. 59.9 T572  
English summary.
- 91142 PILLAI, K. M. Organic manure as prerequisite for increased application of chemical fertilizers. Fert. News 9(5):11-14,16-17. Ref. May 1964. 57.8 F4123
- 91143 PINEAU, N. Let many enterprises thrive while increasing milk production from 1,500 to 3,000 liters per hectare. (Fr) B. des Engrais 468: 61-66. Mar.1964. 57.8 B87  
Pasture fertilization.
- 91144 POPOVA, D. Superphosphate with manganese for tomatoes. (Rus) Kartofel' i Ovoshchi 5:34. May 1964. 75.8 K147  
Effect on yields.
- 91145 POZSAR, B. The importance of nitrogen in modern plant production. (Hu) Elovilág 8(5): 44-46. Sept./Oct.1963. 410 EL6  
Fertilizers.
- 91146 PRADO, O. DE T. Vegetable culture. (Por) Rural 44(514):22-23. (Cont.) Feb.1964. 9.2 B733  
Fertilizing.
- 91147 PUSCAS, M., FAZECAS, I., and FLOREA, E. The influence of organic and mineral fertilizers on the hemp cultivated under irrigation. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:141-147. 1963. 106.4 T48  
English summary.
- 91148 PUUSTJARVI, V. Peat as a substratum for carnations. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:97-100. 1962, pub.1964. 90.09 C7616P
- 91149 REID, D. The Henley Manor farm experiment. So. West Scotland Grassland Soc. J. 1(2):26-28. Mar.1963. 60.9 S82  
Effect of nitrogen fertilizer on forage production and milk yield.
- 91150 RESMERITA, I., and NEMES, M. Investigations on the use of mineral fertilizers and farm manure in the supersown pasture-lands of Festuca pseudovina. (Rum) Bucharest. Acad. Repub. Pop. Romine. Filiala Cluj. Studii si Cercet. de Agron. 13:223-243. Ref. 1962, pub.1963. 21 B854  
English summary.
- 91151 RHOADES, H. F., and others. Trace and secondary element fertilizers for sugar beet production in western Nebraska. (Tu) Seker 13 (51):24-29. Ref. Apr.1964. 65.8 Se4  
B. Kacar. F. N. Anderson, and D. Larson, joint authors.  
English summary.
- 91152 ROMANO, E. Fertilizing of forage plants. (It) Agricoltura 13(3):47-51. Mar.1964. 16 Ag8226
- 91153 ROTINI, O. T. The effects of urea fertilizers on plants. (Hu) Agrochem. és Talajtan 12(4): 501-516. Ref. Dec.1963. 385 Ag83  
English summary.
- 91154 RUBIN, S. S. Effectiveness of fertilizers in orchards of Ukraine. (Rus) Sadovodstvo 4:19-20. 1964. 80 Sa13  
Yields.
- 91155 SAIKIA, B. K. Some residual soil effects of the three years' grazing trial. Indian Soc. Soil Sci. J. 12(1):29-35. Ref. Mar.1964. 56.9 In2
- 91156 SAMUELS, G., LANDRAU, P., and ALERS ALERS, S. Puerto Rican method of foliar diagnosis. I. Sampling. (Sp) Agr. de las Amer. 13(2):42-44,46,52. Feb.1964. 58.8 Ag832
- 91157 SATO, K. Fertilizer application for apples. (Ja) Kajitsu Nippon 19(3):20-23. Mar.1964. 80 K122
- 91158 SCHULZE, E. Effects of organic substances and their relations to crop rotation. (Ge) Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn 10:87-97. Ref. Feb.1964. 18 F777
- 91159 SCHWARZ, K. Possibilities and accomplishment of sewage utilization. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(4):170-172. Apr. 1964. 18 W763  
As fertilizer in East Germany.
- 91160 SEELEY, J. G., and STINSON, J. J. Foliar fertilization of Chrysanthemum. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:161-168. Ref. 1962, pub.1964. 90.09 C7616P
- 91161 SEMIKHNNENKO, P. G. Fertilizers for sunflowers. (Rus) Masl.-Zhír. Promysh. 4:8-10. Apr.1964. 307.8 M37
- 91162 SHARMA, K. C. Effect of nitrogen and phosphorus on yield of wheat—a review. II. Fert. News 9(4):26-31. Ref. Apr.1964. 57.8 F4123
- 91163 SHIH, S. C., and others. On the status of soil phosphorus and the response of applied phosphatic fertilizers to crops of some important soil types, Kiangsu Province. (Ch) Acta Pedol. Sinica 10(3/4):374-379. Sept./Dec.1962. 56.9 Ac8  
C. C. Ch'iu, P. P. Ch'en, S. C. Pao, H. Y. Ch'in, and W. L. Sun, joint authors.  
English summary.
- 91164 SHUMAN, F., and TAMBOLI, P. M. Freedom from hunger and NPK go together. Fert. News 9(5):7-10. May 1964. 57.8 F4123  
Grain fertilizing.
- 91165 SIRBU, N. The effects of mineral fertilizers on the yield and floral composition of natural lawns of the Laicai State Farm, Muscel district, Arges region. (Rum) Prob. Agr. [Bucharest] 16(1):51-54. Jan.1964. 21 R862
- 91166 SMITH, C. A. Studies on the Northern Rhodesia Hyparrhenia veld. IV. The effects of nitrogen fertilizer and defoliation. J. Agr. Sci. [London] 62(3):299-306. Ref. June 1964. 10 J822  
Effects on yields.
- 91167 SOMMERKAMP, G. Influence of fertilizing and management on grassland production and its quality. (Ge) Tierzucht 16(10):374,376-378. May 20, 1964. 49 T445  
English summary.
- 91168 SZABO, J. Data on rational mineral fertilization of rice. (Hu) Magyar Mezogazdasag 19 (20):15. May 13, 1964. 19 M27
- 91169 SZABO, J., and PAL, K. Investigation into the influence of organic manuring applied directly under the rice. (Hu) Kiserlet. Kozlem. 56/A (1):47-69. Ref. 1963, pub.1964. 105.9 H89  
English summary.
- 91170 SZABOLCS, I. New method to increase fertility of Szik soils. (Hu) Buvar 9(3):146-148. May/June 1964. 410 B98  
With calcium nitrate.
- 91171 SZERSZEN, B. Organization of liming of acid soils. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:65-68. 1964. 20 M57
- 91172 TAYLOR, B. H. Melting Morocco's agricultural iceberg. Freedom Hunger Campaign News 4 (28):6-8. Dec.1963. 389.8 F872  
FAO fertilizer program.
- 91173 TEXAS, AGRICULTURAL EXPERIMENT STATION. Texas 374 [Crotalaria juncea]; a new summer legume for soil improvement and for possible industrial use. Tex. Agr. Col. Ext. L-619, 4 p. Apr.1964. 275.29 T313
- 91174 THORNTON, M. K., and ARMAN, S. The uses and the advantages of manure. (Tu) Seker 13 (51):20-21. Apr.1964. 65.8 Se4
- 91175 TINKER, P. B. H., and GUNN, J. S. Fertilizer requirements of the oil palm in Commonwealth West Africa. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:508-513. 1962, pub.1964. 90.09 C7616P

- 91176 ULONSKA, E. Influence of increasing phosphoric acid dosage on yield and quality of malt-ing barley. (Ge) Braugersten-Jahrb. 1960/62: 157-174. 1963. 59.8 B73
- 91177 VAGELER, P. The technique of fertilizer estimation. II. (Por) Rural 43(511):14-16. Nov. 1963. 9.2 B733
- 91178 VAGELER, P. The technique of fertilizer estimation. III. (Por) Rural 43(512):6-8. Ref. Dec. 1963. 9.2 B733
- 91179 VARGA, I. Lucerne responds well to frequent top dressing. (Hu) Magyar Mezőgazdaság 19 (19):6. May 6, 1964. 19 M27
- 91180 WALLIS, J. A. N. Soils, fertilizing and water management for Arabica coffee in Kenya. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4: 491-496. Ref. 1962, pub. 1964. 90.09 C7616P Includes discussion.
- 91181 WATSON, G. A., WONG, P. W., and NARAYANAN, R. Effects of cover plants on soil nutrient status and on growth of Hevea. IV. Leguminous creepers compared with grasses, Mikania cordata and mixed indigenous covers on four soil types. Rubber Res. Inst. Malaya. J. 18(3):123-145. 1964. 78.9 R824J
- 91182 WEINMANN, H. Irrigated winter wheat. III. Nutrient requirements of wheat. Irrig. Winter Wheat, Tech. P. 1:12-14. July/Aug. 1963. 59.8 Ir7  
Fertilizers requirements in Rhodesia and Nyasaland.
- 91183 WEISSENBORN, K. Experiment with increasing N-applications to Cox and Finkenwerder. (Ge) Obstbauversring. des Alten Landes. Mitt. 18(11/12):392-397. Nov./Dec. 1963. 85 J76  
To test effects on yields.
- 91184 WIKESJO, K. Fertilizing at vegetable growing on arable land. (Sw) Vaxt-Narings-Nytt 20(3): 17-22. 1964. 57.8 V47  
English summary, p.4 of supplement.
- 91185 WILCOX, G. E. Tomato response to nitrogen fertilization in Indiana. Ind. Acad. Sci. Proc. 72:300-306. 1962, pub. 1963. 500 In2  
Effects on yields.
- 91186 WILKINSON, S. R., and OHLROGGE, A. J. The micronutrient status of soybeans in Indiana as determined by foliar analysis. Ind. Acad. Sci. Proc. 72:313-318. 1962, pub. 1963. 500 In2
- 91187 WOLCOTT, A. R. The acidifying effects of nitrogen carriers. Agr. Ammonia News 14(4): 12-15. July/Aug. 1964. 381 Ag82
- 91188 WU, T. P., and LIU, S. H. Several questions about the effectiveness of using phosphorus fertilizers in the Fukien area. (Ch) Chung Kuo Nung Pao 6:34-37. June 1963. 22.5 C473
- 91189 YAMADA, K. Early fertilizer application and bagless culture. (Ja) Noko-to-Engei 18(5):70-71. May 1963. 22.5 N693  
Peaches.
- 91190 ZAK, L. Use of fertilizer-herbicide mixtures in agriculture. (Pol) Nowe Roln. 12(21):43-45. Nov. 1/15, 1963. 20.5 N86  
Field crops.
- Soil Tilth and Tillage
- 91191 BARTEE, L. D. Evaluation of mulch materials for establishing vegetation on small dams. J. Soil & Water Conserv. 19(3):117-118. May/June 1964. 56.8 J822  
Grasses.
- 91192 DAWLEY, W. K., and others. The effect of cultural and fertilizer treatments on yields of wheat on second crop land. Canad. J. Soil Sci. 44(2):212-216. June 1964. 56.8 C162  
R. D. Dryden, E. V. McCurdy, E. S. Molberg, K. E. Bowren, and D. A. Dew, joint authors.
- 91193 DRENT, B. Thus we see it as a farmer. (Du) Nederland. Heidemaatsch. Tijdschr. 75(5):252-257. May 1964. 12 N282  
Deep plowing and deep grubbing.
- 91194 EVANS, O. R. Match plowing in Canada. World Ploughing Contest. Off. Handb. 11:24, 61-63, 89. 1963. 53.9 W892  
History.
- 91195 FISHER, H. M. Cultivation in relation to cereal production. Farmers' & Sci. Joint Conf. Cereals & Wool, 5th Conf.:19-22. 1963. 27 F22C  
Includes discussion.
- 91196 FISHER, W. S. The value of fall land preparation. Holly Agr. News 12(2):5. Summer 1964. 66.8 H72  
For sugar beet cultivation.
- 91197 FLETCHER, R. Petroleum mulch trial. Brit. Sugar Beet Rev. 32(4):186. June 1964. 66.8 B77
- 91198 HALL, A. Ploughing—as old as history. World Ploughing Contest. Off. Handb. 11:21-23. 1963. 53.9 W892
- 91199 HAUSER, V. L., and TAYLOR, H. M. Evaluation of deep-tillage treatments on a slowly permeable soil. Amer. Soc. Agr. Engin. Trans. ASAE 7(2):134-136, 141, map. 1964. 290.9 Am32T
- 91200 HEYNITZ, K. VON. Spring tillage. (Ge) Le-bendige Erde 5:229-231. Sept./Oct. 1963. 18 L49
- 91201 HO, L. H., and others. A discussion of a tillage system. (Ch) Chung Kuo Nung Pao 8:4-9. Aug. 1963. 22.5 C473  
T. C. Chang, C. C. Wang, and W. F. Hsu, joint authors.
- 91202 HSU, T. Y., MA, Y. C., and WANG, T. S. The question of flat culture and mound culture in the Manchurian area. (Ch) Chung Kuo Nung Pao 9:10-16. Sept. 1963. 22.5 C473  
Corn, kaoliang and soybeans chiefly.
- 91203 KING, R. D. Put your land to grade; improved drainage and more uniform irrigation result from this costly, but usually profitable, field leveling practice. Doane's 27(11):30-31. Apr. 8, 1964. 281.8 D652
- 91204 KITTLER, G. A. The problem of the curving plough-strip. (Ge) Z. f. Agrargesch. u. Agrarsoziol. 11(2):141-159. Ref. Oct. 1963. 30.98 Z3  
Germany.
- 91205 MINIMUM or optimum tillage? (Hu) Magyar Mezőgazdaság 19(22):6-7. May 27, 1964. 19 M27
- 91206 OPALINSKI, C. Synthetic products for soil improvement. (Pol) Nowe Roln. 12(21):45-47. Nov. 1/15, 1963. 20.5 N86  
Chiefly USA experiments with petroleum mulch and plastic foil.
- 91207 ORLIK, T. The influence of tillage and location in rolling loess area on the speed of water absorption by soil. (Pol) Warsaw. Inst. Me-lior. i Uzytkow Zielonych. Wiad. 3(4):137-140. 1963. 54.9 W262W
- 91208 PODOLAK, J. Types of soil tillage and grain planting in the valley of the Hron upper courses. (Cz) Agrikultura 2:9-39. 1963. 19.5 Ag8  
Germany summary.
- 91209 SAMPAIO, R. S. The use of sisal residues in coffee culture. (Por) Rural 44(514):20-21. Feb. 1964. 9.2 B733  
Mulch.
- 91210 SHUNDI, A. For a better combination of land cultivation with irrigation during the sowing of catch-crop maize in the Lushnja area. (Al) B. i Shkencave Bujqesore 3(1):3-14. 1964. 21.5 B87  
English summary.
- 91211 SPEAR, A. G. Ploughing in Rhodesia. World Ploughing Contest. Off. Handb. 11:126-127. 1963. 53.9 W892
- 91212 STONEMAN, T. C. The effect of cultivation on soil structure in the wheatbelt. Farmers' & Sci. Joint Conf. Cereals & Wool, 5th Conf.:46-48. 1963. 27 F22C  
Includes discussion.
- 91213 TRIOLA, P. DE LA. Good tillage. (Sp) Cult. Mod. 47(5):180-181. May 1964. 15 C89
- 91214 VASEY, E. H. Date of fall tillage and crop response to nitrogen. Crop Quality Council. Ext. Conf. Rpt. 1963:65-68. 464.9 N813
- 91215 WU, H. S. The fallow land system of the dry area of the western part of Inner Mongolia. (Ch) Chung Kuo Nung Pao 6:19-24. June 1963. 22.5 C473



- 91216 WYMAN, D. Black polyethylene as a mulch. *Arnoldia* 24(3):13-16. Apr. 17, 1964. 451 Ar6Ba
- 91217 YAO, C. L., and YU, T. F. The structural aspect of the Red paddy soil in Ch'iu-ling area of central Kiangsi and its fertility. (Ch) *Acta Pedol. Sinica* 10(3/4):267-288. Ref. Sept./Dec. 1962. 56.9 Ac8  
Russian summary.

### Drainage, Irrigation, Water Supply, and Flood Control

- 91218 AGALAROV, M. S., and KISIN, I. M. Runoff on the territory of Kirovabad-Kazakh massif in the Azerbaijan SSR. (Rus) *Akad. Nauk Azerb. SSR. Izv. Ser. Geol.-Geog. Nauk i Nefti* 4:105-116. Ref. 1963. 403 Ak12  
Measurement.
- 91219 ANDERSON, B. H. Water for Utah (through water conservancy districts). *Utah. State U. Agr. Ext. L.* 102,7 p. June 1963. 275.29 Ut1L
- 91220 ANTONESCU, I. P., GOLDSTEIN, M., and IONESCU, I. The experiment of some water-proof coatings and waterproofing methods for irrigation channels built on loess. (Rum) *Studii de Goeteh. Fundatii si Constr. Hidroteh.* 6:143-183. Ref. 1963. 290.8 St92  
French, German, and Russian summaries.
- 91221 ARNOLD, F. D. The Wheeler Machinery Company land development project and multi-purpose water management program. *Utah Mosquito Abatement Assoc. Proc.*, 16th Annu. Mtg. :30-31. 1963. 420 Ut1
- 91222 BAKOS, B. Irrigation of red pepper. (Hu) *Magyar Mezogazdasag* 19(20):13-14. May 13, 1964. 19 M27
- 91223 BALLY, R. J., ANTONESCU, I., and PERLEA, V. The behavior of an experimental irrigation system on loess. (Rum) *Studii de Goeteh. Fundatii si Constr. Hidroteh.* 6:45-79. 1963. 290.8 St92  
English summary.
- 91224 BALTJES, J. Irrigation with dairy waste water. (Du) *Misset's "Zuivel"* 70(17):348-349, 351,353-354. Apr. 28, 1964. 44.8 N282  
On grasslands.
- 91225 BENAMI, A., and HORE, F. R. A new irrigation-sprinkler distribution coefficient. *Amer. Soc. Agr. Engin. Trans. ASAE* 7(2):157-158. 1964. 290.9 Am32T
- 91226 BORNSTEIN, J. Help for wet cropland. *Vt. Farm & Home Sci.* 6(1):10-11. Summer 1963. 100 V593  
Drainage.
- 91227 BRUNNER, F. The effects of irrigation and fertilizing on the cut meadows of the southern Schwarzwald. (Ge) *Forsch. u. Beratung. Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn* 10:231-244. Feb. 1964. 18 F777
- 91228 CANTOR, L. M. Water and man; a geography of hydro-electric power and irrigation. London, Chatto & Windus, 1963. 64 p., map. Ref. (Reference Geographies) 292.4 C162
- 91229 CAROLUS, R. L. A new approach to irrigation practice. *Ohio Veg. & Potato Growers Assoc. Growers Handb. & Annu. Proc.* 49:99-103. 1964. 75.9 Oh3  
Fruit and vegetables.
- 91230 CASINI, P. Programming and reclamation. (It) *Agricoltura* 13(6):53-63. June 1964. 16 Ag8226
- 91231 CEAUSU, N., and others. Experimental results concerning the evaluation of the irrigation system in sun-flowers cultivated on water-bearing soil. (Rum) *Bucharest. Inst. Agron. Timisoara. Lucrari Sti.* 6:131-139. 1963. 106.4 T48  
N. Onu, Gh. Sirbu, and M. Lazar, joint authors.  
English summary.
- 91232 CHOATE, R. E., HARRISON, D. S., and MYERS, J. M. Citrus irrigation: Planning, controlling, coordinating, and organizing, management keys. *Citrus & Veg. Mag.* 27(10):26-29. June 1964. 80 C498
- 91233 COCCO, E. DI. Reclamation and depopulation of the countryside. (It) *Agricoltura* 13(6):63-65. June 1964. 16 Ag8226
- 91234 COE, M. D. The chinampas of Mexico; they are highly productive farm plots surrounded on at least three sides by canals. Created in an ancient drainage project, they were the economic foundation of the Aztec empire. *Sci. Amer.* 211(1):90-98, map. July 1964. 470 Sci25
- 91235 DANCAU, B. Improvement of wet meadows with help of mole drainage. (Ge) *Bayer. Landwirt. Jahrb.* 41(1):75-81. 1964. 18 L24
- 91236 DAVIS, G. H. Management of water in arid lands; technology alone cannot solve problems. *Nat. Hist.* 73(7):26-33, map. Aug./Sept. 1964. 500 N483J
- 91237 DHIMA, K. On determining the optimal number of irrigations in cotton growing. (Al) *B. i Shkencave Bujqesore* 3(1):15-31. 1964. 21.5 B87  
English summary.
- 91238 DUMM, L. D., and WINGER, R. J. Subsurface drainage system design for irrigated area using transient-flow concept. *Amer. Soc. Agr. Engin. Trans. ASAE* 7(2):147-151. 1964. 290.9 Am32T
- 91239 DUMM, L. D. Transient-flow concept in subsurface drainage: its validity and use. *Amer. Soc. Agr. Engin. Trans. ASAE* 7(2):142-146, 151. Ref. 1964. 290.9 Am32T
- 91240 DZIEZYC, J., and ROJEK, S. Preliminary results of experiments on the influence of spray irrigation and high level of fertilization on yields of some root crops, cereals and forage plants. (Pol) *Postepy Nauk Roln.* 15(5):65-78. Ref. 1963. 20.5 P84
- 91241 EGOROV, V. V. The role of soil science in the development of irrigated farming. (Rus) *Pochvovedenie* 4:1-8. Apr. 1964. 57.8 P34
- 91242 ERDEL, S. Reservoir construction and irrigation plans. (Hu) *Magyar Mezogazdasag* 19(19):12-13. May 6, 1964. 19 M27
- 91243 ESHUIS, D. *Nederlandsche Heidemaatschappij.* (Da) *Hedeselsk. Tidsskr.* 84(16):390-396. (Concl.) Dec. 25, 1963. 11 H35  
Reclamation.
- 91244 FEICHTINGER, F. Mechanical drainage and plastic pipes. (Ge) *Oesterr. Wasserwirt.* 16(3/4):84-86. Mar./Apr. 1964. 55.8 Oe8
- 91245 FOUSS, J. L., HOLMES, R. G., and SCHWAB, G. O. Automatic grade control for subsurface drainage equipment. *Amer. Soc. Agr. Engin. Trans. ASAE* 7(2):111-113. 1964. 290.9 Am32T
- 91246 FULTON, J. M. Irrigating cucumbers for southwestern Ontario. *Canada. Dept. Agr. P.* 1207,4 p., map. 1964. 7 C16Pu
- 91247 FURI, J. Last year's experiences in grape irrigation. (Hu) *Kerteszet es Szoleszet* 13(11):14-16. June 1964. 80 K474
- 91248 GAIN, E. W. Nature and scope of surface drainage in eastern United States and Canada. *Amer. Soc. Agr. Engin. Trans. ASAE* 7(2):167-169, map. 1964. 290.9 Am32T
- 91249 GIOTTO, G., and ROMANO, E. Irrigation experiments. (It) *Agricoltura* 13(3):52-68, map. Mar. 1964. 16 Ag8226
- 91250 GLASOW, W. New methods in field irrigation. (Ge) *Landmasch.-Markt* 43(13):816-819. June 25, 1964. 58.8 L239  
Equipment.
- 91251 GONZALEZ, R. Use of underground water in Nuevo Leon. (Sp) *Agronomia [Monterrey]* 94:2-7. May 1964. 8 Ag828
- 91252 HANDA, B. K. Modified Eaton's methods for the calculation of gypsum and leaching requirement of irrigation waters in arid regions. *Indian Soc. Soil Sci. J.* 12(1):25-28. Mar. 1964. 56.9 In2
- 91253 HARRISON, D. S. Irrigation plan is important. *Fal. Cattleman & Livestock J.* 28(9):24. June 1964. 43.8 F66  
Canals in pasture irrigation.
- 91254 HARTLEY, J. H. Is a giant practical? Doane's 27(14):26-28. May 8, 1964. 281.8 D652  
Automatic sprinklers, including costs.

- 91255 HECSEI, J. Preparation before irrigation work. (Hu) Magyar Mezőgazdaság 19(18):14-15. Apr. 29, 1964. 19 M27  
Equipment maintenance and organization of work.
- 91256 HELFINSTINE, R. D. Community and commercial benefits from water resource development of the Oahe Area. S. Dak. Agr. Expt. Sta. Agr. Econ. Pam. 119, 19 p. July 1964. 281.9 So86
- 91257 HELFINSTINE, R. D. Oahe area water resource development for community and commerce. S. Dak. State Col. Agr. Ext. F.S. 211, 4 p. July 1964. 275.29 So85Fs  
Includes irrigation water.
- 91258 HENNEBERG, H. Experiences of reclamation cooperatives in the Gransee district. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(2):86-88, map. Feb. 1964. 18 W763
- 91259 HERBER, H. How does one proceed with irrigation? (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(4):167-169. Apr. 1964. 18 W763  
East Germany.
- 91260 HILL, R. Irrigation: light and frequent. Holly Agr. News 12(2):7. Summer 1964. 66.8 H72  
Sugar beets in Wyoming.
- 91261 HOLCOMB, C. J. A discussion of the doctrines governing the use of water in the continental United States with special reference to Virginia. Va. J. Sci. (n.s.) 15(1):21-33. Ref. Jan. 1964. 470 V81
- 91262 HSIN-HSIANG HSIEN JEN MIN WEI YAN HUI. The experience of the Li-ts'un Battalion with the improvement and utilization of saline and alkali soils. (Ch) Chung Kuo Nung Pao 7:29-31. July 1963. 22.5 C473
- 91263 INGERSENT, K. A. Economic aspects of farm irrigation; a survey carried out on groups of East Midland farms in 1961 and 1962. Nottingham. U. Sch. Agr. Dept. Agr. Econ. F. R. 151, 43 p. Apr. 1964. 281.9 N842F  
Costs and returns.
- 91264 IRWIN, R. W. Drainage law. Ontario. Dept. Agr. P. rev., 240, 3 p. Oct. 1963. 7 On8P
- 91265 IVANOV, S. A. Use of plastic material in irrigation. (Rus) Khlopkovodstvo 4:46-47, 50. Apr. 1964. 72.8 K522
- 91266 JONES, M. J. Storing water for irrigation; reservoirs in Suffolk. Brit. Sugar Beet Rev. 32(4):187-189. June 1964. 66.8 B77
- 91267 JUUSELA, T. Distribution of costs in joint drainage projects in Finland. Acta Agr. Scand. 14(1):21-32. 1964. 11 Ac82
- 91268 KALYUZHNYI, I. S., and TREGULOV, YU. YU. Irrigation rates of the virgin lands of Golodnaya Step. (Rus) Khlopkovodstvo 5:23-25. May 1964. 72.8 K522  
Cotton.
- 91269 KANTOR, M. The Jordan water project at issue. Agr. Israel 9(2):39. Nov. 1963. 22.5 Ag825
- 91270 KILB, GY. Possibilities for extension of irrigation of red peppers in the Szeged district. (Hu) Magyar Mezőgazdaság 19(26):16-17, map. June 24, 1964. 19 M27
- 91271 KRZYWONOS, K. Investigations on water losses in the irrigation system of Kuwasy peat bog. (Pol) Warsaw. Inst. Melior. i Użytkow Zielonych. Wiad. 3(3):57-74. 1963. 54.9 W262W
- 91272 KUTERA, J. Możliwości efektywnego wykorzystania zwilżających i nawozących właściwości ścieków w produkcji roślinnej. Possibilities of effective utilization of moistening and fertilizing properties of sewage in crop production. Warsaw. Inst. Melior. i Użytkow Zielonych. Wiad. 4(1):3. 1963. 54.9 W262W  
English summary.  
Tests with field crops.
- 91273 LI, C. M. The influences on soil fertility of draining the fields during winter in Ch'ung-lai Hsien. (Ch) Acta Pedol. Sinica 10(3/4):258-266. Sept./Dec. 1962. 56.9 Ac8  
Russian summary.
- 91274 LO, K. M. The use of the centrifugal pump. (Ch) Nongye Jixie Jishu 8:12-13. Aug. 1963. 58.8 N922  
For irrigation.
- 91275 MCDONOUGH, E. H. Development and uses of water supply forecasts for Utah. Utah Mosquito Abatement Assoc. Proc., 16th Annu. Mtg.: 11-12. 1963. 420 Ut1  
Precipitation-run-off relationships.
- 91276 MAUGINI, A. Budget and summary accounts of reclamation societies. (It) Bonifica Integrale 18(5):168-174. May 1964. 55.9 As72
- 91277 MOLINARI, C. Bituminous linings used experimentally for bed and sides of irrigation canals. (It) Acqua nell'Agr. nell'Ind. e nell'Indus. 41(4):105-108. July/Aug. 1963. 290.8 Ac7  
English summary.
- 91278 MORALES FRAILE, E. Projections of a semi-centennial. (Sp) Cult. Mod. 47(4):131-132. Apr. 1964. 15 C89  
Congreso Nacional de Riegos.
- 91279 MUSAIEV, A. A. On effective speed of underground water flow in the Karabakh Steppe area. (Rus) Akad. Nauk Azerb. SSR. Izv. Ser. Geol.-Geog. Nauk i Nefti 4:57-65. 1963. 403 Ak12
- 91280 NAZARUK, G. Execution of improvement works in Kuwasy peat bog area. (Pol) Warsaw. Inst. Melior. i Użytkow Zielonych. Wiad. 3(3):25-56, map. 1963. 54.9 W262W  
Chiefly drainage ditches and meadow irrigation canals.
- 91281 NEMETH, S. Preparation for irrigation of corn. (Hu) Magyar Mezőgazdaság 19(26):17-18. June 24, 1964. 19 M27
- 91282 OCHI, M. What is the effect of irrigation? (Ja) Dairyman 13(10):33. Oct. 1963. 44.8 D1454  
Of pastures.
- 91283 OKRUSZKO, H. State and results of improvement and management of Kuwasy peat bogs. (Pol) Warsaw. Inst. Melior. i Użytkow Zielonych. Wiad. 3(3):145-159. 1963. 54.9 W262W  
Chiefly drainage, irrigation and meadow management.
- 91284 OLBERTZ, M. H. Technical methods of plastic pipe drainage. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(2):79-82. Feb. 1964. 18 W763
- 91285 OVSYANNIKOV, N. G. Big gift of nature. (Rus) Priroda [Moscow] 3:9-18. 1964. 410 P933  
Water resources and their utilization chiefly for irrigation.
- 91286 PACIFIC SOUTHWEST INTER-AGENCY COMMITTEE. Limitations in hydrologic data as applied to studies of water control and water management; report of the Hydrology Subcommittee. Pt. 2. San Francisco? 1964, various paging. Ref. 292 P11L  
Includes soil water.
- 91287 PANEL discussion: water quality as affected by agricultural chemicals and other contaminants. Ohio. Agr. Expt. Sta. Spec. Rpt. Ser. 2:7-14. Oct. 1963. 100 Oh3Spe  
Panel members: K. Alban, G. Shambaugh, G. O. Schwab, and E. Wilson.
- 91288 PARKS, W. L., OVERTON, J. R., and HAZLEWOOD, B. P. Cotton irrigation. Tenn. Farm & Home Sci. Prog. Rpt. 50:4-5. Apr./June 1964. 100 T25F
- 91289 PIZZIGALLO, V. Requirements and possibilities of mountain reclamation. (It) Bonifica Integrale 18(5):161-164. May 1964. 55.9 As72
- 91290 POSGAY, E. Potato production—with irrigation. (Hu) Magyar Mezőgazdaság 19(25):13. June 17, 1964. 19 M27
- 91291 PRUTESCU, E., and others. The use of sewage water in white cabbage culture. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:167-182. 1963. 106.4 T48  
G. Butnaru, H. Butnaru, and I. Mihacea, joint authors.  
English summary.  
For irrigation.
- 91292 REES, D. M. Progress report for 1962 on cooperative research program in Utah pertaining to multipurpose use and management of reusable water. Utah Mosquito Abatement Assoc. Proc., 16th Annu. Mtg.: 27-28. 1963. 420 Ut1  
Use of waste water.
- 91293 REINSCH, H. H. Sprinkling irrigation and fertilizer spraying. (Ge) Landmasch.-Markt 43(13):814-816. June 25, 1964. 58.8 L239  
Equipment.



- 91294 RODRIGUEZ DE LA FUENTE, G. Fuel tanks; partial volume of cylindrical horizontal tanks with conical lids. (Sp) *Algodon Mex.* 3(17):23, 18-19. July/Aug.1963. 72.8 AL32  
For irrigation.
- 91295 RODRIGUEZ DE LA FUENTE, G. Irrigation—demand, and coefficient. (Sp) *Algodon Mex.* 3(16):16-19. May/June 1963. 72.8 AL32
- 91296 RODRIGUEZ DE LA FUENTE, G. Irrigation programs; amounts and dates of irrigation for the principal crops in the Lake District. (Sp) *Algodon Mex.* 3(17):24-25. July/Aug.1963. 72.8 AL32
- 91297 ROMANO, F. Characteristic functioning curves of overhead irrigation equipment. (It) *Naples. U. Facol. di Sci. Agr. Ann. (ser.3)29:93-118.* 1963/64. 105.4 P83
- 91298 ROZENSHTOK, YU. L. Automation and de-termination of dates and rates of irrigation. (Rus) *Khlopkovodstvo* 5:41-44. May 1964. 72.8 K522  
Cotton.
- 91299 RUSH, R. W., and BROWN, W. F. Agencies, landowners join efforts to improve ditch. *Soil Conserv.* 30(1):14. Aug.1964. 1.6 So3S  
Ohio.
- 91300 SAIBOV, KH. D. Experiment with the irriga-tion of cotton by lengthened furrows. (Rus) *Khlopkovodstvo* 5:20-22. May 1964. 72.8 K522
- 91301 SCHOLZ, A. The primary silting up of pressed mole drains on low-lying peat lands and its measurement by the so-called mole-plummet. (Ge) *Z. f. Landes-kult.* 4(3/4):227-245. Ref. 1963. 282.9 Z3  
English summary.  
East Germany.
- 91302 SHAROV, I. A. Irrigation farming. (Rus) *Priroda [Moscow]* 3:36-43. 1964. 410 P933
- 91303 SHARP, A. L., and others. Runoff as affected by intensity of grazing on rangeland. *J. Soil & Water Conserv.* 19(3):103-106. May/June 1964. 56.8 J822  
J. J. Bond, J. W. Neuberger, A. R. Kuhlman, and J. K. Lewis, joint authors.
- 91304 SHULL, H. Hydraulic characteristics of glass-fiber filter materials. *Amer. Soc. Agr. Engin. Trans. ASAE* 7(2):120-123. 1964. 290.9 Am32T  
Agricultural drainage systems.
- 91305 SILLCOCK, M., and FLYNN, K. E. World in-terest in whey disposal research. *Dairyfarming Digest* 11(1):37-40. Jan./Feb.1964. 44.8 D1443  
Used in irrigation and fertilizing of pastures.
- 91306 SOOS, G., and KOVACS, J. Advisory service for irrigation. (Hu) *Magyar Mezogazdasag* 19(21):13-14. May 20,1964. 19 M27
- 91307 SPENDER, B. Problems of irrigation in early tomato culture under glass. (Ge) *Arch. f. Gartbau.* 11(6):415-422. Ref. 1963. 80 Ar2  
English summary.
- 91308 SZUNIEWICZ, J. Water relations in the peat bog Kuwasy. (Pol) *Warsaw. Inst. Melior. i Uzytkow Zielonych. Wiad.* 3(3):79-100. 1963. 54.9 W262W  
Chiefly soil moisture, drainage and meadow irrigation.
- 91309 T'AN, P. L., and CH'IN, A. C. Calculations for long-term regulation of varied irrigation water supply by the statistical method. (Ch) *Shuili Xuebao* 3:56-58. June 1963. 290.8 Sh93
- 91310 TEIPEL, R. Situation of mechanized ditch cleaning in the DDR. (Ge) *Wiss.-Tech. Fort-schr. f. die Landwirt.* 5(2):82-85. Feb.1964. 18 W763  
Drainage ditches.
- 91311 THURMOND, R. V., and ARMAN, S. Under-ground water in irrigation. (Tu) *Seker* 13(51):22-23. Apr.1964. 65.8 Se4
- 91312 TOTH, J. Irrigational production of sorghum. (Hu) *Magyar Mezogazdasag* 19(22):10-11. May 27,1964. 19 M27
- 91313 TU, C. C. Predetermining irrigation time for winter wheat during the growing season. (Ch) *Shuili Xuebao* 3:50-55. June 1963. 290.8 Sh93
- 91314 TURBIN, V. N. Drainage effectiveness of sub-surface water collectors in the Far East. (Rus) *Gidrotekh. i Melior.* 12:34-42. Dec.1963. 290.8 G362
- 91315 TURCK, G. Irrigated winter wheat. II. Irriga-tion and economics. *Irrig. Winter Wheat. Tech.* P. 1:8-11. July/Aug.1963. 59.8 Ir7  
Rhodesia and Nyasaland.
- 91316 UMAROV, E. Improvement of soil conditions and possibilities for cotton culture in the Kho-rezm oasis. (Rus) *Akad. Nauk Azerb. SSR. Izv. Ser. Geol.-Geog. Nauk i Nefti* 3:105-115. 1963. 403 Ak12  
Chiefly irrigation and leaching of salty soils.
- 91317 U. S. CONGRESS, SENATE, COMMITTEE ON INTERIOR AND INSULAR AFFAIRS. River Ba-sin Planning Act of 1964. Hearings, on S. 1111, 88th cong., 1st sess. a bill to provide for the optimum development of the nation's natural resources through the coordinated planning of water and related land resources, through the establishment of a Water Resources Council and river basin commissions, and by providing financial assistance to the States in order to increase State participation in such planning. September 12 and 13, 1963. Washington, 1963. 173 p. 292 Un353R
- 91318 U. S. CONGRESS, HOUSE, COMMITTEE ON IN-TERIOR AND INSULAR AFFAIRS. Water re-sources research centers. Hearings, 88th Cong., 1st sess., on S.2, H.R.2683, H.R.2689, H.R.4048, H.R.7234, H.R.7239, and H.R.7258, bills to establish water resources research centers at land-grant colleges and State univer-sities, to stimulate water research at other colleges, universities, and centers of compe-tence, and to promote a more adequate national program of water research. Washington, 1963. 2 v. 292 Un353Wat  
Hearings held June-Oct.1963.
- 91319 URIU, K., and others. Cling peach irrigation. *Calif. Agr.* 18(7):10-11. July 1964. 100 C12Cag  
L. Werenfels, G. Post, A. Retan, and D. Fox, joint authors.
- 91320 VIRLEV, I. Mechanization and automation of self-fed irrigation. (Rus) *Mezhdunarod. Sel'-skokhoz. Zhur.* 2:97-100. 1964. 20 M57  
Bulgaria.
- 91321 VSESOYUZNYI GOSUDARSTVENNYI PROEKT-NO-IZYSKATEL'SKII NAUCHNO-ISSLEDOVA-TEL'SKII INSTITUT "GIPROVDKHOZ." Mas-hiny dlya proizvodstva zemlyanykh rabot v vo-dokhozyaistvennom stroitel'stve; spravochnik-katalog [Machine for earthworks of irrigation system; manual-catalog]. Moskva, Izdatel'stvo Sel'skokhozyaistvennoi Literatury, Zhurnalov i Plakatov, 1963. 232 p. 290 V962
- 91322 WATER RESOURCES SEMINAR. WOOSTER, OHIO, 1963. Proceedings. Ohio. Agr. Expt. Sta. Spec. Rpt. Ser. 2,22 p. Oct.1963. 100 Oh3Spe
- 91323 WERTZ, G. Relations between the physical size of peat and mud soils. (Ge) *Z. f. Landes-kult.* 4(3/4):247-250. 1963. 282.9 Z3  
English summary.  
Drainage possibilities.
- 91324 WESSELENG, J. Diagrams for the determina-tion of the diameter of tile and plastic drainage systems. (Du) *Landbk. Tijdschr.* 76(12):455-464. June 1964. 105.2 Or3  
English summary.
- 91325 WILCOX, J. C., KORVEN, H. C., and BROWN-LEE, C. H. The pH and salt content of stream water as affected by elevation and aspect. *Canad. J. Soil Sci.* 44(2):260-261. June 1964. 56.8 C162  
With reference to quality of water for irriga-tion purposes.
- 91326 YOUNGQUIST, C. V. Status of water resources in Ohio. Ohio. Agr. Expt. Sta. Spec. Rpt. Ser. 2:3-6. Oct.1963. 100 Oh3Spe
- 91327 YU, T. J. The effects and control of floods in Chih-lin Province. (Ch) *Chung Kuo Nung Pao* 7:4-10. July 1963. 22.5 C473
- 91328 ZAWILSKI, J. On spray irrigation. (Pol) *Nowe Roln.* 12(19):50-52. Oct.1/15,1963. 20.5 N86

Erosion and Erosion Control

- 91329 BEASLEY, R. P. Terraces that can be cultivated. (Sp) Agr. de las Amer. 13(4):32-34,36. (Cont.) Apr.1964. 58.8 Ag832
- 91330 BEATTY, M. T., and PETERSON, A. E. Principles of soil conservation and soil improvement as they apply to certain groups of soils in southeastern Wisconsin. Wis. Acad. Sci. Arts & Let. Trans. 52:205-212, map. 1963. 500 W75
- 91331 BUIE, T. S. After thirty years. J. Soil & Water Conserv. 19(3):98-102. (Cont.) May/June 1964. 56.8 J822  
Soil and water conservation.
- 91332 EUROPEAN FORESTRY COMMISSION. WORKING PARTY ON TORRENT CONTROL, PROTECTION FROM AVALANCHES AND WATER-SHED MANAGEMENT. La technique de construction des traverses en terre [The technique of constructing earth barrages]. Food & Agr. Organ. United Nations. European Forestry Comm. FAO/EFC/TORR. 45, 11 p. Sept. 1962. 290.9 F73  
Italian national report.
- 91333 FREEMAN, O. L. Signs of change. Natl. Assoc. Soil & Water Conserv. Dist. Proc., 18th Annu. Conv.:8-13. 1964. 56.9 N212A  
Soil conservation and land utilization.
- 91334 GARRE, A. L. Erosion, that cancer of the soil. (Sp) Cult. Mod. 46(11):407-408. Nov. 1963. 15 C89
- 91335 GRAHAM, E. H. SCS goes abroad; new type of contract with AID sends technicians to foreign lands under SCS supervision. Soil Conserv. 30 (1):3-5, 20. Aug. 1964. 1.6 So3S
- 91336 GUTERMUTH, C. R. Local governments have responsibility. Natl. Assoc. Soil & Water Conserv. Dist. Proc., 18th Annu. Conv.:46-47. 1964. 56.9 N212A  
Soil conservation.
- 91337 HANKS, B. C. Improvements made in terracing. Tex. Livestock J. 23(6):8. June 15, 1964. 49 T29
- 91338 HARRIS, D. C. Soil conservation scheme on "Kyalla", Gravesend. N. S. Wales. Soil Conserv. Serv. J. 20(2):73-79. Apr. 1964. 56.9 N472  
Includes erosion control.
- 91339 HARSHBARGER, C. E., and SWANSON, E. R. Soil loss tolerance and the economics of soil conservation on Swygert soils. Ill. Agr. Econ. 4(2):18-29. July 1964. 281.9 IL6I
- 91340 HUDSON, R. B. A roadside erosion problem in the Condobolin district. N. S. Wales. Soil Conserv. Serv. J. 20(2):67-72, map. Apr. 1964. 56.9 N472
- 91341 JASTRZEBSKI, S. The role of forests and tree groups in protecting soils from water erosion based on the example of the southern part of Lublin Province. (Pol) Warsaw. Inst. Melior. i Uzytkow Zielonych. Wiad. 3(4):59-68. Ref. 1963. 54.9 W262W
- 91342 JIMENEZ, A. N. Erosion versus Cuba. Sci. World 8(2):11-13. 1964. 472 Sci25
- 91343 JOZEFACIUK, A. An attempt to find perennial plant mixtures for erosion control. (Pol) Warsaw. Inst. Melior. i Uzytkow Zielonych. Wiad. 3(4):141-145. 1963. 54.9 W262W
- 91344 JUNOR, R. S. Soil conservation for intensive horticulture. N. S. Wales. Soil Conserv. Serv. J. 20(2):51-59. Apr. 1964. 56.9 N472
- 91345 LACEK, F. Utilization of short steep slopes in Lublin Province. (Pol) Warsaw. Inst. Melior. i Uzytkow Zielonych. Wiad. 3(4):147-153. 1963. 54.9 W262W  
Chiefly erosion control problems.
- 91346 LONGWORTH, L. D. Grassed flumes in gully control. N. S. Wales. Soil Conserv. Serv. J. 20 (2):60-66. Apr. 1964. 56.9 N472
- 91347 MANNERING, J. V., and others. The erosion-control effectiveness of rotation meadows. J. Soil & Water Conserv. 19(3):91-95. Ref. May/June 1964. 56.8 J822  
L. C. Johnson, L. D. Meyer, B. A. Jones, joint authors.
- 91348 MARUSZCZAK, H. Differentiation of geographic conditions for soil erosion development in loess areas of eastern part of Central Europe. (Pol) Warsaw. Inst. Melior. i Uzytkow Zielonych. Wiad. 3(4):109-118. 1963. 54.9 W262W
- 91349 MARUSZCZAK, H. Geological and morphologic conditions for the development of soil erosion in the southern part of Lublin Province. (Pol) Warsaw. Inst. Melior. i Uzytkow Zielonych. Wiad. 3(4):19-44, map. Ref. 1963. 54.9 W262W
- 91350 MONK, M. S. Cooperation key to meet challenges. Natl. Assoc. Soil & Water Conserv. Dist. Proc., 18th Annu. Conv.:18-24. 1964. 56.9 N212A  
Soil conservation.
- 91351 NATIONAL ASSOCIATION OF SOIL AND WATER CONSERVATION DISTRICTS. Proceedings: 18th annual convention, Kansas City, Missouri, February 2-6, 1964. 139 p. 56.9 N212A
- 91352 OBRACZKA, R. Legal and organizational bases for erosion control measures in Poland. (Pol) Warsaw. Inst. Melior. i Uzytkow Zielonych. Wiad. 3(4):89-108. Ref. 1963. 54.9 W262W
- 91353 OLSON, T. C., MANNERING, J. V., and JOHNSON, C. B. The erodibility of some Indiana soils. Ind. Acad. Sci. Proc. 72:319-324. 1962, pub. 1963. 500 In2
- 91354 POPOVICH, P. D. Terracing slopes. (Rus) Sadovodstvo 3:18-19. Mar. 1964. 80 Sa13
- 91355 REMENYFY, L. Protection of the soil. (Hu) Erdo 13(6):256-258. June 1964. 99.8 Er22  
Soil and wind erosion control.
- 91356 SHUMAN, C. B. AFBF [American Farm Bureau Federation] concern cited by Shuman. Natl. Assoc. Soil & Water Conserv. Dist. Proc., 18th Annu. Conv.:37-38. 1964. 56.9 N212A  
Includes soil conservation.
- 91357 SMITH, R. M., and STAMEY, W. L. How to establish erosion tolerances. J. Soil & Water Conserv. 19(3):110-111. May/June 1964. 56.8 J822
- 91358 UPPER WEST FORK SOIL CONSERVATION DISTRICT, TEXAS. Annual report and conservation needs, 1963. Jacksboro, 1963. 24 p., map. 56.9 Up6
- 91359 WAY, W. A. Vegetating steep slopes. Vt. Farm & Home Sci. 6(1):4, 9. Summer 1963. 100 V593
- 91360 ZAWADZKI, S. Pedologic studies for erosion control measures. (Pol) Warsaw. Inst. Melior. i Uzytkow Zielonych. Wiad. 3(4):121-124. 1963. 54.9 W262W
- 91361 ZIEMNICKI, S. Some elements of erosion control on rolling loess areas of Lublin Province. (Pol) Warsaw. Inst. Melior. i Uzytkow Zielonych. Wiad. 3(4):69-88, map. Ref. 1963. 54.9 W262W
- 91362 ZINENBERG, M. S. Erosion control. (Rus) Sadovodstvo 4:20-21. 1964. 80 Sa13  
In orchards; chiefly by planting.

Sanitation

- 91363 PEACHEY, J. E. Chemical soil sterilisation. Agr. & Vet. Chem. 5(3):53-56. Ref. May/June 1964. 382 Ag82

**MATERIALS FOR SOIL IMPROVEMENT**Chemical Fertilizers

- 91364 CARO, J. H. Character of phosphate rock: variation with geographic origin and changes induced by heat treatment. Fert. Indus. Round Table. Proc., 13th Annu. Mtg.:10-15. 1963. 57.09 F41
- 91365 CLARK, K. G. Nitrogen fertilizer developments. Fert. Indus. Round Table. Proc., 13th Annu. Mtg.:6-10. 1963. 57.09 F41



- 91366 MAO, S. F. The history of fertilizer. (Ch) Chung Kuo Nung Pao 8:40. Aug.1963. 22.5 C473

#### Mineral Soil Amendments

- 91367 CHICHILO, P. P. Method of analysis of liming materials. Fert. Indus. Round Table. Proc., 13th Annu. Mtg.:31-33. 1963. 57.09 F41
- 91368 GORLACH, K. The solubility of Polish limestones of various origin and their value as fertilizers. (Pol) Acta Agr. et Silvestria. Ser. Roln. 2:101-140. Ref. 1962. 20.5 Ac8 English summary.
- 91369 WHITTAKER, C. W. Development in agricultural liming materials. Fert. Indus. Round Table. Proc., 13th Annu. Mtg.:28-31. 1963. 57.09 F41

#### Fertilizer Technology and Statistics

- 91370 ARDES, P. One of our country's resources: the domain potash mines of Alsace. (Fr) Cahiers Franc. Doc. d'Actualite 96:6-9, map. June/July 1964. 280.8 C113 Fertilizer source.
- 91371 BLIXT, B. New compound fertilizers. (Sw) Hallands Lans Hushallsk. Tidskr. 7(1):20. Jan. 1964. 11 H152
- 91372 CARO, J. H. Determination of water in fertilizers. Fert. Indus. Round Table. Proc., 13th Annu. Mtg.:26-28. 1963. 57.09 F41
- 91373 CHURCH, R. J. Formulation for optimum granulation. Fert. Indus. Round Table. Proc., 13th Annu. Mtg.:67-74. 1963. 57.09 F41
- 91374 COLEMAN, R. World fertilizer requirements. Fert. News 9(4):7-13, 32. Apr. 1964. 57.8 F4123
- 91375 DOMINGUEZ VIVANCOS, A. Compound fertilizers. (Sp) Agricultura [Madrid] 32(377):526-530. Sept. 1963. 15 Ag84
- 91376 DORING, H. Water determination in potash salts by definitive methods and their expressed value. (Ge) Landwirt. Forsch. 16(3):221-228. 1963. 18 L2333 English summary.
- 91377 FERRETTI, R. J. Automatic analyser for phosphorus. Fert. Indus. Round Table. Proc., 13th Annu. Mtg.:15-19. 1963. 57.09 F41 Includes discussion.
- 91378 FERTILIZER INDUSTRY ROUND TABLE. Proceedings of the 13th annual meeting, held at the Mayflower Hotel, Washington, D. C. Nov. 5-7, 1963. Washington, 1964. 80 p. 57.09 F41
- 91379 FRAZIER, A. W., LEHR, J. R., and SMITH, J. P. Fertilizer reaction: calcium ammonium orthophosphates. J. Agr. & Food Chem. 12(3):198-201. Ref. May/June 1964. 381 J8223
- 91380 GILLIAM, G. R. Ammoniation summary. Fert. Indus. Round Table. Proc., 13th Annu. Mtg.:65-67. 1963. 57.09 F41
- 91381 GRAFTON, B. F. The change in fertilizers. Natl. Assoc. Col. & Teachers Agr. J. 8(1):16-17. Mar. 1964. 275.9 N213 Labeling.
- 91382 GRINDROD, J. R. Norsk Hydro; this Norwegian electro-chemical company produces about one-half of the world production of calcium nitrate, exports about \$2.5 million in nitrogenous fertilizers to the U.S. each year. Farm Chem. 127(6):72, 104. June 1964. 57.8 Am3
- 91383 HIGNETT, T. P. Why the local fertilizer business has a new image. Feed & Farm Supplier 37(11):22-24. Nov. 1963. 47.8 H28
- 91384 HILL, W. L. Developments in fertilizer materials. Fert. Indus. Round Table. Proc., 13th Annu. Mtg.:5-6. 1963. 57.09 F41
- 91385 HOFFMAN, W. M. Analytical control and the fertilizer industry. Fert. Indus. Round Table. Proc., 13th Annu. Mtg.:19-22. 1963. 57.09 F41

- 91386 INTERNATIONAL SUPERPHOSPHATE MANUFACTURERS' ASSOCIATION. Superphosphate statistics—1962. London, 1964. 8 p. 57.9 In82S
- 91387 KENNEDY, D. W. Continuous weighing bulk material on conveyor belts. Fert. Indus. Round Table. Proc., 13th Annu. Mtg.:49-53. 1963. 57.09 F41
- 91388 KOHLMAIER, H. Up-to-date fertilizing and mechanization. (Ge) Forderungsdienst 12(2):50-54. Feb. 1964. 19 F75 Fertilizer consumption and mechanization situation in Austria and other countries of Europe.
- 91389 LEWIS, J. W. The effect of certain variables upon the condition of granular mixed fertilizers. Fert. Indus. Round Table. Proc., 13th Annu. Mtg.:61-63. 1963. 57.09 F41
- 91390 LOEHWING, D. A. Spreading it on thick; producers of fertilizers are expanding to keep up with demand. Barron's 44(28):3, 8, 10, 12-13, 19. July 13, 1964. 284.8 B27
- 91391 MELLO, F. M. DE. Notes on fertilizer mixtures. (Por) Gaz. Agr. de Angola 9(5):1399-1401. May 1964. 24 G252
- 91392 MOREV, V. Pumping ammonia liquor. (Rus) Tekh. v Sel'sk. Khoz. 5:89-90. May 1964. 58.8 M11 Handling.
- 91393 PATRIN, V., and BUGAI, N. Granulator for mineral fertilizers. (Rus) Tekh. v Sel'sk. Khoz. 5:88-89. May 1964. 58.8 M11
- 91394 PENNINGTON, R. P. Canada's expanding fertilizer industry. Farm Chem. 127(6):22, 24-25, 28. June 1964. 57.8 Am3
- 91395 RUMO, W. R. Maintenance and instrumentation in the area of automatic weighing and bag closing equipment. Fert. Indus. Round Table. Proc., 13th Annu. Mtg.:53-55. 1963. 57.09 F41
- 91396 SACKETT, W. J. "Man-U-Pak" method of fertilizer production. Fert. Indus. Round Table. Proc., 13th Annu. Mtg.:58-61. 1963. 57.09 F41
- 91397 SAUCHELLI, V., ed. Fertilizer nitrogen, its chemistry and technology. New York, Reinhold, 1964. 454 p., map. Ref. (American Chemical Society. Monograph Series 161) 57.23 Sa8 Chapters by V. Sauchelli, F. J. Stevenson, B. Timm, W. Danz, L. C. Axelrod, T. E. O'Hare, H. J. Hansen, H. A. Sorgenti, G. F. Sachsels, C. J. Pratt, R. J. Church, J. C. Reynolds, C. R. Trimarke, E. D. Crittenden, H. L. Tower, H. C. Brewer, J. R. Adams, J. T. Pesek, O. J. Attoe, E. C. Perrine, and F. Sedlack.
- 91398 SCHMIDT, G. W. Trends in fertilizer consumption. Fert. Indus. Round Table. Proc., 13th Annu. Mtg.:38-41, map. 1963. 57.09 F41
- 91399 SCHMITZ, F. New fertilizer order. (Ge) Chem. u. Tech. in der Landwirt. 15(1):19-20. 1964. 384 C4292
- 91400 SHARP, J. C. A study on granulation of 5-20-20 and 6-24-12 at different ammoniation. Fert. Indus. Round Table. Proc., 13th Annu. Mtg.:64-65. 1963. 57.09 F41
- 91401 SIMMONS, A. G. Maintenance and advances in liquid flow meters. Fert. Indus. Round Table. Proc., 13th Annu. Mtg.:55-57. 1963. 57.09 F41
- 91402 SMITH, R. C. Nitrate of potash in quality mixes; improved granulation, easier production of high analysis grades, and improved pulverized grades are possible using this chlorine-free potash material. Farm Chem. 127(6):74-76. June 1964. 57.8 Am3
- 91403 TANGEMAN, L. N. Be safe—when you apply NH<sub>3</sub>. Agr. Ammonia News 14(4):28, 30-31. July/Aug. 1964. 381 Ag82
- 91404 VIELHAUER, S. Statistical evaluation of analysis data for determination of the lack of homogeneity of fertilizers. (Ge) Landwirt. Forsch. 16(3):205-220. 1963. 18 L2333 English summary.
- 91405 VÖLK, G. M. Know your fertilizers. Fla. U. Agr. Ext. B. 177A, 25 p. May 1964. 275.29 F66
- 91406 WAGNER, R. E. Selling fertilization to today's farmer. Feed & Farm Supplier 37(11):20-21. Nov. 1963. 47.8 H28

- 91407 WAY, W. A. How to save money buying fertilizer; for farmers, for homeowners. Vt. Farm & Home Sci. 5(3):3-4. Spring 1963. 100 V593
- 91408 WETHERBEE, R. T. Misleading words. Vt. Farm & Home Sci. 6(1):3. Summer 1963. 100 V593  
Grade of fertilizer.
- 91409 WIECZOREK, G. A. Experimental fertilizer production at Beltsville. Fert. Indus. Round Table, Proc., 13th Annu. Mtg.:33-38. 1963. 57.09 F41  
Includes test preparations containing radioactive phosphorus.
- Manures and Composts
- 91410 BOGDANOVIC, M., and TODOROVIC, M. S. Iskoriscavanje treseta kao dubriva i u druge svrhe [Utilization of peat as fertilizer and for other purposes]. Beograd, Zadružna Knjiga, 1963. 56 p. Ref. 57.1 B63
- 91411 BUDASZEWSKI, J. Agricultural utilization of sewage from city depuration plants. (Pol) Nowe Roln. 12(20):25-26. Oct.16/31,1963. 20.5 N86  
Chiefly use as fertilizers and sanitary aspects.
- 91412 KICK, H. Characterization of organic matter in town refuse composts and sewage sludges and in other humus fertilizers prepared from them. (Ge) Landwirt. Forsch. 16(3):229-237. Ref. 1963. 18 L2333  
English summary.
- 91413 KIEWLA, J. The importance of sewage in agriculture. (Pol) Nowe Roln. 12(20):23-24. Oct.16/31,1963. 20.5 N86  
As fertilizer and irrigation water.
- 91414 MASRIERA, J. Town wastes. (Sp) Cult. Mod. 46(10):378. Oct.1963. 15 C89  
Use as fertilizer.
- 91415 MIDGLEY, A. R. Whey and wood bark; wastes make fertile compost. Vt. Farm & Home Sci. 6(2):4-5. Fall 1963. 100 V593
- 91416 MILTON, R. F. Liquid seaweed as a fertilizer. Internatl. Symp. Seaweed Res. Proc., 4th Symp.:428-431. 1961, pub.1964. 461.4 In8
- 91417 MO, S. H., and YU, T. C. Determination of ammonia in organic manures by the microdiffusion method. (Ch) Acta Pedol. Sinica 10(3/4):305-307. Sept./Dec.1962. 56.9 Ac8  
English summary.
- 91418 PLAK, E. Determination of moisture content of mushroom compost. (Du) Champignoncultuur 8(1):8-10. Jan./Feb.1964. 80 C35
- 91419 SYCH, L. M. Storing time and composition of manures. (Rus) Zemledelie 2:66-67. Feb. 1964. 20 Z44
- 91420 TOROK, L., and CSOKKARETI, MRS. K. Determination of carbon content in composts with bichromate method based on oxygen consumption. (Hu) Agrochem. es Talajtan 12(4): 631-642. Ref. Dec.1963. 385 Ag83  
German summary.
- 91421 VERGNAUD, H. Humus and manure. (Fr) Rev. Hort. 136(2259):681-683. May/June 1964. 80 R32



**FORESTRY****GENERAL**

- 91422 ALLSOP, F. Government responsibility for forestry by non-government agencies. New Zeal. J. Forestry 9(1):45-49. 1964. 99.8 C162
- 91423 BENSEND, D. W., and SUKOTJO, W. Indonesian forestry. Ames Forester 50:10-44. 1963. 99.9 Io94
- 91424 BERESFORD-PEIRSE, H. The evolution of forestry. (Sp) Inst. Agr. Catalan de San Isidro. Rev. 12(11):168-172. (Cont.) Nov.1963. 15 Sa5
- 91425 BERESFORD-PEIRSE, H. The evolution of forestry. (Sp) Inst. Agr. Catalan de San Isidro. Rev. 112(12):179-180. (Concl.) Dec.1963. 15 Sa5
- 91426 CAPPS, O. B. Opportunities in State forestry. Cross Tie B. 45(4):9-12,33. Apr.1964. 99.82 C87  
Chiefly in Missouri.
- 91427 CEDERSTAM, B. Forestry in Norrbotten during the early part of 1800. (Sw) Norrlands Skogsvardsforbund, Tidskr. 1:25-41. 1964. 99.9 N77
- 91428 CHAUTRAND, L., and ROUX, L. Apropos the dying out of the maritime pine in the Maures; controversies on the antiquity of the maritime pine in the Maures. (Fr) Rev. Forest. Franc. 16(6):506-510. June 1964. 99.8 R329  
Pinus pinaster.
- 91429 CLEPPER, H. Golden anniversary, 1914-1964. Va. Forests 19(1):14-17,22. Spring 1964. 99.8 V81  
Virginia Division of Forestry.
- 91430 ELSASSER, A. Does the forest ranger have a place in the Austrian forestry? (Ge) Allg. Forstztg. 75(11/12):101-102. June 1964. 99.8 AL53
- 91431 GEDDES, R. B. Forestry on Blandfield. Va. Forests 19(2):16-18. Summer 1964. 99.8 V81  
History of a tree farm.
- 91432 GOOR, J. Monetary incentives in forest labor. (Hu) Erdogazdasag es Faipar 18(6):1-2. June 1964. 99.8 Er2
- 91433 GURTH, P. The part of Baden-Wurtemberg in the west German forestry developmental service. (Ge) Forst- u. Holzwirt 19(12):277-279. June 16,1964. 99.8 F7724  
For developing countries.
- 91434 HARRISON, J. D. B. Organization and program planning for forest research in Canada. Pacific Sci. Cong. Organ. & Devlpmt. Res. Forestry Pacific Region. Symp. Papers, 10th Cong.:16-20. 1961,pub.1962. 330.9 P1940
- 91435 JEFFERS, J. N. R. Mathematical models in forestry research. Commonwealth Forestry Rev. 43(2):159-168. June 1964. 99.8 Em72
- 91436 KOMKRIS, T. A brief review of progress in the field of forest research in Thailand. Pacific Sci. Cong. Organ. & Devlpmt. Res. Forestry Pacific Region. Symp. Papers, 10th Cong.:21-24. 1961,pub.1962. 330.9 P1940
- 91437 KOTOK, E. I. Initial steps in forest research. Pacific Sci. Cong. Organ. & Devlpmt. Res. Forestry Pacific Region. Symp. Papers, 10th Cong.:49-53. 1961,pub.1962. 330.9 P1940
- 91438 LOSCHAU, M. On forestry in the Democratic Republic of Vietnam. (Ge) Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed. 1(1):118-127. 1963. 26 L53
- 91439 MCARDLE, R. E. History of forestry research in the United States. Pacific Sci. Cong. Organ. & Devlpmt. Res. Forestry Pacific Region. Symp. Papers, 10th Cong.:9-15. 1961,pub.1962. 330.9 P1940
- 91440 NEBRASKA forest facts. Omaha, Neb. Comt. Amer. Forest Prod. Indus., 1963. 11 p. 99.8 N27
- 91441 PACIFIC SCIENCE CONGRESS, 10, HONOLULU, 1961. Organization and development of research in forestry in the Pacific region; a symposium of papers. Berkeley, U. S. Forest Serv. Pacific Sownest. Forest & Range Expt. Sta., 1962. 53 p. Ref. 330.9 P1940

- 91442 SETTEN, G. G. K. The initiation of forest research in the smaller developing tropical countries. Pacific Sci. Cong. Organ. & Devlpmt. Res. Forestry Pacific Region. Symp. Papers, 10th Cong.:30-38. 1961,pub.1962. 330.9 P1940
- 91443 SPEAKER, E. B. Forestry in Iowa. Ames Forester 51:10-13. 1964. 99.9 Io94
- 91444 WALTERS, J. An annotated bibliography of western hemlock Tsuga heterophylla (Raf.) Sarg. Vancouver, Facul. Forestry, U. Brit. Columbia, 1963. 86 p. 241.01 W17
- 91445 WATANABE, K. Nippon ringyo nenkan, 1964. [Japan forestry yearbook, 1964]. Tokyo, Rinya Kyosai-kai, 1963. 492 p. 99.83 N62
- 91446 WOHLLETZ, E. Forest research in the Pacific Coast universities of the United States. Pacific Sci. Cong. Organ. & Devlpmt. Res. Forestry Pacific Region. Symp. Papers, 10th Cong.:25-29. 1961,pub.1962. 330.9 P1940

**Education**

- 91447 CIANCIULLI, P. L. Forestry education and the Escola Nacional de Florestas. (Por) Rural 44 (517):36-38. May 1964. 9.2 B733
- 91448 GOLDEN jubilee celebrations and convocation of the Southern Forest Rangers College, Coimbatore, 31st October, 1963. Indian Forester 90(5):256-267. May 1964. 99.8 In2
- 91449 GUERRA S., W. The forestry education and research project in Peru and the Facultad de Ciencias Forestales. (Sp) Agronomia [Lima] 30(1):27-30. 1963. 9.8 Ag83
- 91450 LINNEMANN, G. Retrospect on the work of the Institut fur Forstbotanik und Forstgenetik in the last 25 years. (Ge) Forst- u. Holzwirt 19(9):183-184. May 8,1964. 99.8 F7724  
At the Gottingen Universitat.
- 91451 TEUBER, R. C.D.T.C. [Continental Divide Training Center] a new star on the training horizon. Ames Forester 51:14-18. 1964. 99.9 Io94  
Of the U.S. Forest Serv. Southwestern Region.

**Policies, Programs, Administration**

- 91452 CALIFORNIA, STATE BOARD OF FORESTRY. The Division of Forestry in the California Conservation Camp Program, 1963, by L. T. Petersen. Sacramento? 1964. 37 p.,map. 279.9 C1242
- 91453 CHIA-HSIANG, W. Planning for national forests. p.19-26. Transl. 12989  
Reforestation programs.  
Translation from Chung-kuo Lin-yeh 6:12-13. 1962.
- 91454 GESING, R. New goals for 1964. (Pol) Las Polski 38(1):2 of front cover,1. Jan.1/15,1964. 99.8 L33  
Forestry.
- 91455 LINDBLAD, O. Forestry objectives. (Sw) Skogen [Stockholm] 51(1):12-13. Jan.9,1964. 99.8 Sk51
- 91456 MOLENDIA, T. The economic requirements of forestry in the fiscal year 1963/1964: Poland. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 230:15-21. Feb.29,1964. 173 J663Ste  
Translation from Las Polski 3:1,2,7. Feb.1/15,1964.
- 91457 OSARA, N. A. Expansion of forest exploitation and industries in underdeveloped countries. (Sp) Inst. Agr. Catalan de San Isidro. Rev. 113(4):82-85. (Cont.) Apr.1964. 15 Sa5  
Policy.
- 91458 THOMSON, A. P., and WILLIAMS, W. M. The long-term significance of New Zealand's expanding afforestation programme. New Zeal. J. Forestry 9(1):7-16. 1964. 99.8 C162
- 91459 U. S. FOREST SERV. CENTRAL STATES FOREST EXPERIMENT STATION. Land of hardwoods; 1963 annual report. Columbia, 1964? 19 p. 1.9 F76252

- 91460 U. S. FOREST SERV. INTERMOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Annual report, 1963. Ogden, 1964? 58 p. 1.9622 I2An7
- 91461 U. S. FOREST SERV. LAKE STATES FOREST EXPERIMENT STATION. Annual report, 1963. St. Paul, 1964? 63 p., map. 1.9 F7621
- 91462 U. S. FOREST SERV. NORTHEASTERN FOREST EXPERIMENT STATION. Annual report, 1963. Upper Darby, Pa., 1964. 110 p., map. 1.9 F76222
- 91463 U. S. FOREST SERV. PACIFIC SOUTHWEST FOREST AND RANGE EXPERIMENT STATION. Annual report, 1963. Berkeley, Calif., 1964? 52 p., map. Ref. 1.9 F7626Ann
- 91464 U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE MOUNTAIN STATION. 1963 annual report. Fort Collins, Colo., 1964. 77 p., map. 1.9 F7627A
- 91465 U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. 1963 at the Southern Forest Experiment Station. New Orleans, 1964. 71 p., map. 1.9 F7624
- 91466 VALENZUELA CARRIZOSA, S. Reforestation of Cundinamarca. (Sp) Rev. Nac. de Agr. 703: 25-26. Nov. 1963. 9.4 R32  
Progress of the program.

#### Legislation and Taxation

- 91467 KROTH, W. The different taxation of forestry with the European Common Market as disturbing factor in competition. (Ge) Mitt. aus der Staatsforstverwalt. Bayerns 34:264-273. 1964. 99.9 B342
- 91468 MARLIN, C. B. Louisiana forest land classification completed under 1954 tax law. LSU Forestry Notes 55,2 p. Nov. 1963. 99.8 L93
- 91469 MITCHELL, M. T. Taxation and law affecting private forestry in New Zealand. New Zeal. J. Forestry 9(1):17-24. 1964. 99.8 C162
- 91470 TOTORAITS, J. 1567 "Legislation for Foresters" issued by Sigismund August, the Grand Duke of Lithuania. (Li) Girios Aidas 21:4-9. 1963. 99.8 G44  
English summary.

#### Forest Description and Resources

- 91471 CHOATE, G. A. The forests of Wyoming. U. S. Forest Serv. Resource B. INT-2,45 p., map. Ref. 1963. A99.9 F764Ub  
Forest resources.
- 91472 CLIFF, E. P. The outlook for timber resources. Cross Tie B. 45(7):9-12,14. July 1964. 99.82 C87
- 91473 DAVIS, B. A. The forest resource in Mississippi. J. Soil & Water Conserv. 19(3):116-117. May/June 1964. 56.8 J822
- 91474 HAZARD, J. W. Forest statistics for Chelan and Douglas Counties, Washington, 1959-60. U. S. Forest Serv. Resource Rpt. PNW-5,26 p., map. May 1963. A99.9 F7625Un
- 91475 HAZARD, J. W. Forest statistics for northeast Washington. U. S. Forest Serv. Resource Rpt. PNW-4,30 p., map. May 1963. A99.9 F7625Un
- 91476 JEANPLONG, J. Virgin forests and savannas of Vietnam. (Hu) Elovilag 8(6):26-30. Nov./Dec. 1963. 410 EL6
- 91477 SETH, V. K. The forests of Italy and some recent trends. Indian Forester 90(5):283-287. May 1964. 99.8 In2
- 91478 SWITZERLAND. EIDGENOSSISCHES AMT. Schweizerische Forststatistik 1960 [Swiss forestry statistics]. Switz. Eidg. Statis. Amt. Statist. Quellenwerke der Schweiz 339,52 p. 1960. 262 St2Q
- 91479 YAACOB, M. N. BIN. Group fellowship study tour on aerial forest inventory in the USSR, August to October 1963. Malayan Forester 27 (1):58-62. Jan. 1964. 99.8 M292

- 91480 YARHAM, E. R. The forests of New Zealand. Amer. Forests 70(7):36-39,44-45. July 1964. 99.8 F762
- 91481 YUNG-AN, W. Forestry resources statistical work of Yunnan Province. p.27-31. Transl. 12989  
Translation from Chung-kuo Lin-yeh 6:14. 1962.

#### **FOREST MANAGEMENT AND FINANCE**

- 91482 ABERDEEN, UNIVERSITY. DEPT. OF FORESTRY. Economic survey of private forestry income and expenditure, Great Britain, 1st report for forest years, 1960/61-1961/62. Aberdeen, 1963. 30 p., map. 99.9 Ab32E  
Oxford University. Department of Forestry, cooperating.
- 91483 CANTELOU, L. B. Economics of forest conversion work. South. Weed Conf. Proc., 17th Annu. Mtg.:224-231. 1964. 79.9 So8
- 91484 COULTER, C. H. Florida's timber harvest valued in the millions. Fal. Cattleman & Livestock J. 28(8):34,36. May 1964. 43.8 F66
- 91485 FUKUTSU, K. Forestry operations in trust to the forestry cooperatives. (Ja) Norin Kinyu 16(10):2-3. Oct. 1963. 284.28 N77
- 91486 GRAYBURN, A. W. Local body forestry in New Zealand. New Zeal. J. Forestry 9(1):31-36. 1964. 99.8 C162
- 91487 GROOME, J. G. Forest extension through company forestry in New Zealand. New Zeal. J. Forestry 9(1):37-44. 1964. 99.8 C162
- 91488 KIRALY, L. Forest yield research problems from management aspect. (Hu) Erdo 13(6): 249-255. June 1964. 99.8 Er22
- 91489 KLEINSCHMIT, R. Tasks and activities of the Niederlandische Forstliche Versuchsanstalt. (Ge) Forst- u. Holzwirt 19(9):186-190. May 8, 1964. 99.8 F7724  
In Gottingen.
- 91490 OKUCHI, T. Several types of formation of forest land price. (Ja) Forest Econ. 17(3):1-16. Mar. 1964. 99.8 R474
- 91491 PETRINI, S. An error in Faustmann's formula. 8 p. Transl. 13877  
Soil value in forest economy.  
Translation from Tharander Forstliches Jahrbuch 86(4/5):246-252. [n.d.]
- 91492 STRIDSBERG, E. The problem corporation and farmers: the beginning of the century. (Sw) Norrlands Skogsvardsforbund. Tidskr. 1:65-140. Ref. 1964. 99.9 N77  
Forest ownership.
- 91493 WOODLING, R. H. Tree farming in Virginia, community forestry in Isle of Wight County. Va. Forests 19(1):20-22. Spring 1964. 99.8 V81

#### Farm Woodlands

- 91494 BARR, N. A. Farm forestry and the profit motive. New Zeal. J. Forestry 9(1):25-30. 1964. 99.8 C162
- 91495 IRELAND. DEPT. OF AGRICULTURE. On planting trees on the farm to produce poles and timber. Ireland. Dept. Agr. L. 67,4 p. Aug. 1963. 10.5 Ir42
- 91496 KAMINO, N. Insufficiency of labor and farm forestry. (Ja) Norin Kinyu 16(10):7-12. Oct. 1963. 284.28 N77
- 91497 NOYES, J. H., and THAYER, D. T. Woodland for recreation. Mass. U. Agr. Ext. P. 407,8 p. Aug. 1963. 275.29 M381L  
Private woodlands for producing income.

#### Mensuration, Surveying, Photogrammetry

- 91498 DANIELSSON, I., and LARSSON, U. Mistakes by people in relascope mensuration. (Sw) Skogen [Stockholm] 51(3):90-91,95. Feb. 6, 1964. 99.8 Sk51



- 91499 KAUSHIK, R. C. Variable plot technique for partial enumerations. *Indian Forester* 90(5):270-282. Ref. May 1964. 99.8 In2
- 91500 MCGINNIS, E. A. Growth-quality evaluation of Missouri-grown shortleaf pine (*Pinus echinata*, Mill.). *Mo. Agr. Expt. Sta. Res. B.* 841,59 p. Ref. Sept.1963. 100 M693
- 91501 PALOTAS, F. Yield indices of willow stands in the inundation area of lower Danube. (Hu) *Erdo* 13(6):263-269. June 1964. 99.8 Er22
- 91502 SAGREIYA, K. P. Statistical approach to models for yield tables. *Indian Forester* 90(5):323-325. May 1964. 99.8 In2
- 91503 SURI, S. K., and BHATTACHARYA, P. K. Simple method of finding leaf area of *Diospyros melanoxylon*. *Indian Forester* 90(5):292-294. May 1964. 99.8 In2
- 91504 WRIGHT, J. O. Great oak trees and others. *Suffolk Nat. Soc. Trans.* 12(4):252-253. 1963. 410.9 Su2  
Measurement.
- Silviculture
- 91505 AMMON, W. Some questions concerning the single-tree method. 11 p. Transl. 13772  
Translation from *Schweizerische Zeitschrift für Forstwesen* 78:145-153,177-183. 1927.
- 91506 BORNEBUSCH, C. H. Impressions from a journey to Germany and Bohemia. 14 p. Transl. 13728  
Study of silviculture.  
Translation from *Dansk Skovforeningens Tidsskrift* 11:121-140. 1926.
- 91507 BUTTNER, M. The wonderful wattle tree. *Amer. Forests* 70(7):30-31. July 1964. 99.8 F762  
Acacia species.
- 91508 CARBONNIER, H. Silviculture before and now. (Sw) *Skogen [Stockholm]* 51(1):10-11. Jan.9, 1964. 99.8 Sk51
- 91509 CARVELL, K. L., and KOCH, C. B. Black cherry [*Prunus serotina*]-its abundance, quality, and rate of growth in the oak hickory and cove forests of West Virginia. *W. Va. Agr. Expt. Sta. B.* 485,12 p. Ref. June 1963. 100 W52
- 91510 CARVELL, K. L. Improvement cuttings in immature hardwood stands—yield income while increasing future sawtimber values. *W. Va. Agr. Expt. Sta. B.* 492,17 p. May 1964. 100 W52
- 91511 CHODZICKI, E. Soil biological research applied to the question of beech underplanting in pine stands. 12 p. Transl. 13751  
Translation from *International Congress of Forestry Experimental Stations, Stockholm, 1929, Proceedings* p.577-588.
- 91512 CHYLARECKI, H. Studies on hickory (*Carya Nutt.*) grown in Polish forests. (Pol) *Arboretum Kornickie* 8:29-154, map. Ref. 1963. 450 Ar1  
English summary.  
Chiefly culture and ecology.
- 91513 DOBROWOLSKI, S. An attempt of partial mechanization of cultural operations on pine plantings. (Pol) *Las Polski* 37(23):12-13. Dec.1/15,1963. 99.8 L33
- 91514 FROHLICH, H. J. The excursion of the European poplar congress with a side view on actual problems of poplar management in Germany. (Ge) *Forst- u. Holzwirt* 19(12):249-253. June 16,1964. 99.8 F7724
- 91515 FU-SHENG, F. The problem of rotational felling system in China's forestry. p.44-55. Transl. 12989  
Translation from *Chung-kuo Lin-yeh* 6:24-26. 1962.
- 91516 GLEW, D. R., and CINAR, S. Z. The results of stand treatment in the Douglas fir- [*Pseudotsuga menziesii*] yellow pine- [*Pinus ponderosa*], western larch [*Larix occidentalis*] complex in the Kootenays. *Brit. Columbia. Forest Serv. Forest Mangt. Div. Forest Mangt. Notes.* 3, 14 p., map. Ref. 1964. 99.9 B7782  
Seed-tree cutting system.
- 91517 HOCHHAUSER. Poplar culture on strip-mined areas in the brown coal region of Rhine. (Ge) *Forst- u. Holzwirt* 19(12):268-270. June 16, 1964. 99.8 F7724
- 91518 HUFNAGL, H. The site as determining factor in near-nature like silviculture. (Ge) *Allg. Forstztg.* 75(11/12):102-104. June 1964. 99.8 AL53
- 91519 JOBLING, J. Poplar cultivation. *Gt. Brit. Forestry Comm. L.* 27, rev., 26 p. 1963. 99.9 G795L
- 91520 JUGOVIZ, R. The importance of the subsoil and underlying rock for the ground water regime. 6 p. Transl. 13809  
Forest soils.  
Translation from *Forstarchiv* 5:281-284,297-300. 1929.
- 91521 JUHLIN-DANNFELT, M. Silvicultural problems in Skogen in the years 1914-1963. (Sw) *Skogen [Stockholm]* 51(1):17-21. Jan.9,1964. 99.8 Sk51
- 91522 KOZHEKOV, D. Pochvy elovykh i archovykh lesov Kirgizii, ikh khimiko-mineralogicheskii sostav i svoistva [Soils of spruce and juniper forests of Kirghiz Republic, their chemical and mineralogical composition and properties]. *Frunze, Izdatel'stvo Akademii Nauk Kirgizskoi SSR*, 1963. 147 p. Ref. 56.4 K84
- 91523 NEMEC, A. The influence of the raking of litter upon the chemical composition of the soil, needles, and wood of pines. 10 p. Transl. 13859  
Translation from *Allgemeine Forst- und Jagdzeitung* 109. July 1933.
- 91524 PENEV, N. Studies on the changes in tree species in the "Slavyanka" (Alibotush) mountains. (Bu) *Bulgar. Akad. na Nauk. Bot. Inst. Izv.* 11:49-68. 1963. 451 B87  
German summary.
- 91525 PRYOR, L. D. Aspects of poplar growing and utilization in Australia. *APPITA* 17(5):126-133. Mar.1964. 302.8 Au7  
Includes breeding.
- 91526 RHODES, A. D., and NOYES, J. H. Forest harvest cuttings. *Mass. U. Agr. Ext. P.* 405,6 p.-folder. June 1963. 275.29 M381L  
Selection cuttings, shelterwood cuttings, and clearcutting.
- 91527 SEKAWIN, M. Activities and goals of the Istituto di Sperimentazione per la Poppicoltura in Casale Monferrato. (Ge) *Forst- u. Holzwirt* 19(12):260-262. June 16,1964. 99.8 F7724
- 91528 SOLOV'EV, P. E. Forest growing properties of the steppe soils. (Rus) *Moscow. U. Vest. Ser.* 6, 3:59-70. May/June 1963. 442.9 M854
- 91529 STREINZ, W. Provisions, possibilities and limits of near-nature like silviculture in large forest. (Ge) *Allg. Forstztg.* 75(11/12):105-108. June 1964. 99.8 AL53
- 91530 TRONCO, G. Poplar culture in Russia; notes from a study trip. (It) *Cellulosa e Carta* 15 (4):21-24. Apr.1964. 302.9 En8
- 91531 WATTERSTON, K. G., and IYER, J. G. Changes in hydromorphic soils produced by thinning of black spruce [*Picea mariana*] stands. *Forestry Res. Notes* 107,5 p. Jan.1964. 99.8 F76292
- 91532 WEISGERBER, H. Silvicultural importance of the poplar section leuce. (Ge) *Forst- u. Holzwirt* 19(12):272-276. Ref. June 16, 1964. 99.8 F7724
- 91533 WIBECK, E. Silviculture in southern Sweden in earlier days. (Sw) *Skogen [Stockholm]* 51(1):8-10. Jan.9,1964. 99.8 Sk51
- 91534 WITZGALL, R. Must we have clear-felling? (Ge) *Allg. Forstztg.* 75(11/12):110-112. June 1964. 99.8 AL53
- 91535 YEOM, F. B. C. Vegetation of a soil-forming factor with particular reference to Malayan forest conditions. *Malayan Forester* 27(1):46-51. Ref. Jan.1964. 99.8 M292
- 91536 ZUKRIGL, K. Forest site mapping in Baden-Württemberg. (Ge) *Allg. Forstztg.* 75(11/12):109-110. June 1964. 99.8 AL53

## Silvicultural Practices

- 91537 BASSETT, C., and WILL, G. M. Soil sterilisation trials in two forest nurseries. New Zeal. J. Forestry 9(1):50-58. 1964. 99.8 C162  
With methyl bromide and chlorpicrin.
- 91538 BETHUNE, J. E. Phosphate helps grow timber. Fla. Cattleman & Livestock J. 28(8):32. May 1964. 43.8 F66  
Pine.
- 91539 BROWN, G. S. Forest Research Institute meeting on thinning and pruning. New Zeal. J. Forestry 9(1):59-77. 1964. 99.8 C162
- 91540 CARTER, M. C. Preliminary studies on chemical weed control in cottonwood [*Populus deltoides*] plantations. South. Weed Conf. Proc., 17th Annu. Mtg.:262-266. 1964. 79.9 So8
- 91541 CECH, F. C., and MULDER, W. J. Control of cull hardwoods by herbicide injection. South. Weed Conf. Proc., 17th Annu. Mtg.:240-245. 1964. 79.9 So8
- 91542 GILMORE, A. R. Are fertilization and irrigation worthwhile for pine trees? III. Res. 6(3): 5. Summer 1964. 100 IL64
- 91543 GROCHOWSKI, J. The research method concerning the influence of thinnings and clearings upon the development and growth of trees and stands. 5 p. Transl. 13780  
Translation from International Congress of Forest Experimental Stations, Stockholm, 1929. Proceedings, p.243-247.
- 91544 HOLMEN, H. Consumption of commercial fertilizers in forests. (Sw) Vaxt-Narings-Nytt 20(3):22. 1964. 57.8 V47  
English summary, p.5 of supplement.
- 91545 JACKSON, D. S., and URE, J. The control of basal area increment in young *Pinus radiata*. New Zeal. J. Forestry 9(1):78-88. 1964. 99.8 C162  
By heavy thinning.
- 91546 LEWIS, N. B. Observations on thinning and pruning in South Africa. Commonwealth Forestry Rev. 43(2):116-133. Ref. June 1964. 99.8 Em72
- 91547 NECHINENNYI, D. K., and KARTASHOV, M. V. Control of external parasites of poultry on farms of the Crimean Region. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:348-355. 1963. 41.9 R923  
French summary.
- 91548 PEEVY, F. A. Reducing hardwood control costs by injecting undiluted 2,4-D amine. South. Weed Conf. Proc., 17th Annu. Mtg.:232-239. 1964. 79.9 So8
- 91549 POLLE, A. L. The Morris high-pruning equipment. New Zeal. Dept. Sci. & Indus. Res. Inform. Ser. 49, 17 p. 1963. 464.9 N48
- 91550 RIHM, E. The use of Chilean nitrate of soda in forestry. Agr. & Vet. Chem. 5(3):49,75-77. Ref. May/June 1964. 382 Ag82
- 91551 SOLLI, S. Summer work in the forest. (No) Norsk Landbr. 12:10-11. June 12, 1964. 11 N8122  
Chiefly drainage and road construction.
- 91552 SZODFRIDT, I. Some experiences in pruning of *Populus robusta*. (Hu) Erdo 13(6):269-275. June 1964. 99.8 Er22
- 91553 TAYLOR, D. F. Weather's role in prescribed burning. Va. Forests 19(2):10-13, 22. Summer 1964. 99.8 V81  
With reference to forest fires.
- 91554 THOR, E., and BEAVERS, J. T. Mistblowing with 2,4,5-T for hardwood control—effects of distance and wind direction on cotton injury. South. Weed Conf. Proc., 17th Annu. Mtg.:246-252. 1964. 79.9 So8  
In Tennessee.
- 91555 TRUMAN, R. The control of weed trees. III. The effect of time interval between cutting and treatment of stumps of *Eucalyptus crebra*, *E. blakelyi* and *Angophora floribunda* on the production of sucker growth. N. S. Wales. Forestry Comm. Div. Wood Technol. Proj. FP13, 5 p. May 20, 1964. 99.79 N473
- 91556 UHLIG, S. K. Investigations on dinitro-o-cresol (DNOC) with a view to using it as a pre-emergence herbicide in forest nurseries. (Ge) Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 17(4/5):83-85. Apr./May 1963. 464.9 N11  
English summary.
- 91557 WILKERSON, J. A., CORKINS, J. P., and BRADLEY, E. Tree growth inhibition with maleic hydrazide (MH-30T). Calif. Weed Conf. Proc., 16th Annu. Conf.:36-90. 1964. 79.9 C122
- 91558 YOUNGBERG, C. T. Forest fertilization in the Far West. Farm Chem. 127(6):54-55, 58, 60, 103. June 1964. 57.8 Am3

## Regeneration and Breeding

- 91559 ALI, I. BIN H. Enrichment planting in Selangor with particular reference to *Dryobalanops aromatica* (kapur). Malayan Forester 27(1):3-17. Jan. 1964. 99.8 M292
- 91560 ASAKAWA, S. The interaction between the thermoperiodic and light-sensitive responses in the germination of ash [*Fraxinus mandshurica*] seeds. Advn. Frontiers Plant Sci. 8:1-8. Ref. 1964. 452.4 V81
- 91561 BARTELS, The application of enzyme studies in early diagnosis. (Ge) Forst- u. Holzwirt 19(9):198, 200. May 8, 1964. 99.8 F7724  
Seed provenance studies.
- 91562 BAUMEISTER, G. Studies for determination of relation between blossoming and seed set in flowering of *Populus*, section *leuce*. (Ge) Forst- u. Holzwirt 19(12):271-272. June 16, 1964. 99.8 F7724
- 91563 BERZHE, YU. S., and HAIKINA, B. M. The fundamental problems of the industrialization of forestation. 3 p. Transl. 13747  
Translation from Na Lesokulturnom Fronte 1:34-38. 1932.
- 91564 CHAUDHARI, N. R. Tree seed notes. I. *Facarranda acutifolia* Humb and Bonpl. syn. *Facarranda ovalifolia* R. Br.; *F. minosifolia* D. Don. Indian Forester 90(4):217-218. Apr. 1964. 99.8 In2
- 91565 CLARK, F. B. White ash [*Fraxinus americana*], hackberry [*Celtis occidentalis*], and yellow-poplar [*Liriodendron tulipifera*] seed remain viable when stored in the forest litter. Ind. Acad. Sci. Proc. 72:112-114. 1962, pub. 1963. 500 In2
- 91566 CROMER, D. A. N. Developments in the study of initial spacing and growth. Pacific Sci. Cong. Organ. & Devlpmt. Res. Forestry Pacific Region. Symp. Papers, 10th Cong.:39-43. Ref. 1961, pub. 1962. 330.9 P1940  
Includes *Pinus radiata*.
- 91567 CZARNOWSKI, M. S. The problem of the productive capacity of forest land as a function of soil and climate; a proposal of developing of research work on world-wide scale. Internatl. Union Forest Res. Organ. Proc., 13th Cong., v.1, pt.2 (sect. 21, paper 2/6), 8 p. 1961, pub. 1962. 99.9 In82  
Chiefly on transpiration.
- 91568 DIECKERT, H. Dangers and possibilities in inbreeding of forest trees. (Ge) Forst- u. Holzwirt 19(9):190-193. May 8, 1964. 99.8 F7724
- 91569 DUTTA, J. J., and TOMAR, M. S. Successful trials with chirpine (*Pinus roxburghii*) in Madhya Pradesh. Indian Forester 90(4):196-202. Apr. 1964. 99.8 In2
- 91570 EINSPAHR, D. W. Forest genetics. Appleton (Wis.) Inst. Paper Chem. Exec. Conf. Proc., 28th Conf.:32-34. May 7-8, 1964. 302.9 Ap5
- 91571 FOWLER, D. P., and DWIGHT, T. W. Provenance differences in the stratification requirements of white pine [*Pinus strobus*]. Canad. J. Bot. 42(6):669-675. Ref. June 1964. 470 C16C
- 91572 FROHLICH, H. J. Pollen bank and pollen germination. (Ge) Forst- u. Holzwirt, 19(9):200-203. Ref. May 8, 1964. 99.8 F7724
- 91573 GAJIC, M. R. Some characteristics of the seed of the silver fir (*Abies alba* Mill.). Advn. Frontiers Plant Sci. 8:183-189. Ref. 1964. 452.4 V81



- 91574 GRIME, J. P. Can we control succession in field and forest? *Frontiers Plant Sci.* [Conn. Sta.] 16(2):4-5. May 1964. 100 F92  
Reestablishment of forest on abandoned fields.
- 91575 HAGNER, M. Swedish experiments with a new planting method. (Sw) *Skogen* [Stockholm] 51(3):87. Feb.6,1964. 99.8 Sk51  
Forest trees.
- 91576 HEITMULLER, H. H. Flowering and fruiting in seed plantations. (Ge) *Forst- u. Holzwirt* 19(9):196-198. Ref. May 8,1964. 99.8 F7724
- 91577 HERRMANN, S. The dependence of growth of cuttings from age periods. (Ge) *Forst- u. Holzwirt* 19(9):184-186. Ref. May 8,1964. 99.8 F7724
- 91578 HONOWSKI, J. Fall transplanting of seedlings. (Pol) *Las Polski* 37(24):13. Dec.16/31,1963. 99.8 L33  
Fir.
- 91579 HUSS, E. Viability of Scots pine and Norway spruce seeds. (Sw) *Skogen* [Stockholm] 51(1):46. Jan.9,1964. 99.8 Sk51
- 91580 IRELAND, DEPT. OF AGRICULTURE. The planting of waste lands. Ireland. Dept. Agr. L. 65,4 p. Aug.1963. 10.5 Ir42  
Trees.
- 91581 JENSEN, K. F., and GATHERUM, G. E. Scotch pine [*Pinus sylvestris*] provenance trial in northeast Iowa. *Iowa State J. Sci.* 38(3):377-384, map. Ref. Feb.15,1964. 470 Io9
- 91582 JONES, W. G. Reforestation of strip-mined areas in Pennsylvania. North. *Logger* 12(12):16-17,46-47. June 1964. 99.81 N812
- 91583 JUSCAFRESA, B. Part of our forest resources considered in bankruptcy. (Sp) *Cult. Mod.* 47(4):127-128. Apr.1964. 15 C89  
Suggests renewing the abandoned forests with *Pinus insignis* or *Pseudotsuga douglasii*.
- 91584 KEPLER, J. E., and GATHERUM, G. E. Japanese larch [*Larix leptolepis*] provenance trial in northeast Iowa. *Iowa State J. Sci.* 38(3):393-403. Ref. Feb.15,1964. 470 Io9
- 91585 KUPRIONIS, J. Poplar as a tree of the future. (Li) *Girios Aidas* 21:10-17. 1963. 99.8 G44  
English summary.  
Chiefly breeding.
- 91586 LARSEN, C. M. DE. Poplar breeding is successful, but time is needed. (Ge) *Forst- u. Holzwirt* 19(12):253-256. June 16,1964. 99.8 F7724  
Belgium.
- 91587 LAUDI, G., and FRICANO, G. A case of polyembryony in a seed of *Picea excelsa*. (It) Milan. *U. Cattolica del Sacro Cuore. Facol. di Agr. Ann.* (n.s.)3(3):483-486. Dec.1963. 16 M582  
English summary.
- 91588 LINNE, I. Forest nurseries in Sweden. (Sw) *Skogen* [Stockholm] 51(3):84-85. Feb.6,1964. 99.8 Sk51
- 91589 LUCKE, H. The value of seeds in plus-tree plantations. (Ge) *Forst- u. Holzwirt* 19(9):193-194. May 8,1964. 99.8 F7724
- 91590 MAGYAR, P. Root studies in plant gardens and on Szik soils. 13 p. Transl. 13839  
Forest trees.  
Translation from *Erdeszeti Kiserletek* 31:229-243. 1929.
- 91591 MARJAI, Z. Modernization of forest tree seed culture. (Rus) *Mezhdunarod. Sel'skokhoz.* *Zhur.* 2:104-105. 1964. 20 M57
- 91592 MEYER, H. The economy of cultivation of forest plants in hotbeds. (Ge) *Forst- u. Holzwirt* 19(9):194-196. May 8,1964. 99.8 F7724
- 91593 O'DRISCOLL, J. A tree improvement programme for *Pinus contorta*. *Irish Forestry* 21(1):21-29. Spring 1964. 99.8 Ir4
- 91594 PETROVIC, D. Foreign varieties of forest trees (exotics) in Serbia. 169 p. Ref. (OTS-60-21630) 463.3 B41  
Translation of *Strane vrste drveca* (egzotl) u Srbiji.
- 91595 PINTO, A. A method of artificial regeneration under study in the Maiombe Forest. (Por) *Granja* [Lisboa] 22(3/4):89-91. July/Dec.1963. 15.5 G76  
Essentially the same article published in the preceding issue.
- 91596 PIRAGA, V. Concrescence of grafts of Scotch pine. (La) *Jaunakais Mezsaimnieciba* 5:36-39. 1963. 99.8 J32  
Russian summary.
- 91597 PYATNITSKII, S. S., and others. Vegetativnyi les [Vegetative propagation of forests]. Moskva, Izdatel'stvo Sel'skokhozyaistvennoi Literatury, *Zhurnalov i Plakatov*, 1963. 448 p. Ref. 99.47 P57  
M. P. Kovalenko, N. A. Lokhmatov, I. V. Turkevich, V. G. Stupnikov, V. P. Sushchenko, and G. P. Choni, joint authors.
- 91598 SANTOS, J. B. DOS. The quality of reproduction cork. (Por) *Portugal. Junta Nac. da Cortica. B.* 25(299):194-196. (Concl.) Sept. 1963. 309.9 J96  
*Quercus Suber* propagation.
- 91599 SCHLENKER, G. Observations on young growth of some poplar varieties on various sites in north Wurttemberg. (Ge) *Forst- u. Holzwirt* 19(12):262-266. Ref. June 16,1964. 99.8 F7724
- 91600 SCHROCK, O. Testing of seedlings in order to determine the individual courses of growth. (Ge) *Arch. f. Forstw.* 13(5):443-471. Ref. 1964. 99.8 Ar22  
English summary.  
Statistical method.
- 91601 SLASKI, J. With reference to the article of L. Janson, "A new method for propagation of poplars, Leuce section." (Pol) *Sylvan* 107(5):65-68. Sept./Oct.1963. 99.8 Sy52
- 91602 SMILGA, J. Basic directions in hybridization of *Populus tremula* L. (La) *Jaunakais Mezsaimnieciba* 5:26-35. Ref. 1963. 99.8 J32  
Russian summary.
- 91603 SMILGA, J. Propagation of *Populus tremula* L. (La) *Jaunakais Mezsaimnieciba* 5:9-25. Ref. 1963. 99.8 J32  
Russian summary.
- 91604 STADNICKI, A. On natural regeneration and on mechanization of forestry work. (Pol) *Las Polski* 38(2):8. Jan.16/31,1964. 99.8 L33
- 91605 STECKI, Z. Investigations on the growth of hybrid poplars in reference to their selection. (Pol) *Arboretum Kornickie* 8:155-220. Ref. 1963. 450 Ar1  
English summary.
- 91606 STONECYPHER, R., CECH, F. C., and ZOBEL, B. J. Inheritance of specific gravity in two and three-year-old seedlings of loblolly pine. *Tappi* 47(7):405-407. July 1964. 302.8 T162
- 91607 SUSZKA, B. Influence of length of poplar cuttings and of their location on shoots on their survival and growth in the first year. (Pol) *Arboretum Kornickie* 8:221-246. Ref. 1963. 450 Ar1  
English summary.
- 91608 SYLVEN, N. Swedish forest tree breeding with special reference to hardwood trees. (Sw) *Skogen* [Stockholm] 51(1):11. Jan.9,1964. 99.8 Sk51
- 91609 TIBBALS, E. C., and others. Radiation and convection in conifers. *Amer. J. Bot.* 51(5):529-538. May/June 1964. 450 Am36  
E. K. Carr, D. M. Gates, and F. Kreith, joint authors.
- 91610 URBANSKI, K. Experimental grafting of Scotch pine [*Pinus sylvestris*]. (Pol) *Sylvan* 107(5):51-57. Sept./Oct.1963. 99.8 Sy52  
English summary.
- 91611 URBANSKI, K. Storing coniferous tree cuttings for spring grafting. (Pol) *Las Polski* 37(23):10-11. Dec.1/15,1963. 99.8 L33
- 91612 VANHAVERBEKE, D. F., and BARBER, J. C. Seed crop estimation in a loblolly pine [*Pinus taeda*] seed production area. *Ga. Forest Res. Council. Ga. Forest Res. Paper* 21,5 p. May 1964. 99.9 G299G
- 91613 WAH, Y. Y. Rooting of bottle grafts of *Pinus caribaea* Mor. *Malayan Forester* 27(1):72. Jan.1964. 99.8 M292
- 91614 WOLTER, K. E. In vitro cultivation of ash, aspen, and pin oak callus tissue. *Diss. Abs.* 24(12,pt.1):4895. June 1964. 241.8 M58
- 91615 YAROSHENKO, S. V. Biological role of the density of oak plantings in shelter belts. (Rus) *Vest. Sel'skokhoz. Nauki* [Moscow] 2:71-76. Ref. Feb.1964. 20 V633  
English summary.

Forest Protection and Damage

- 91616 ANDERSON, J. A. R. Observations on climatic damage in peat swamp forest in Sarawak. Commonwealth Forestry Rev. 43(2):145-158, map. Ref. June 1964. 99.8 Em72
- 91617 BRUNIG, E. F. A study of damage attributed to lightning in two areas of Shorea albida forest in Sarawak. Commonwealth Forestry Rev. 43(2):134-144. June 1964. 99.8 Em72
- 91618 HYDE, P., and LEYDET, F. The last red-woods; photographs and story of a vanishing scenic resource. San Francisco, 1963. 127 p., map. Ref. (Sierra Club Exhibit Format Series, 6) 99.35 H99  
Sequoia preservation in California.
- 91619 TAYLOR, A. R. Lightning damage to forest trees in Montana. Weatherwise 17(2):61-65. Apr. 1964. 340.8 W37
- 91632 VAKHRUSHIN, G. S. Snow-protective strips, with participation of spruce, in the forest-steppe districts of the Omsk Region. p.29-30. (OTS 63-11005) 340 Is7  
Translation from Lesnoe Khozyaistvo 5(6): 51-52. 1955.

Miscellaneous Forest UsesFire

- 91620 BANKS, W. G. Nearly 10,000 forest fires annually in the northeast. North. Logger 12(12):18, 50. June 1964. 99.81 N812
- 91621 CIANCIULLI, P. L. Forest fires in Parana, harsh lesson for Brazil. (Por) Rural 43(511): 12-13. Nov. 1963. 9.2 B733
- 91622 1963 FOREST fire report. Va. Forests 19(1): 18-19, 22. Spring 1964. 99.8 V81
- 91633 ARNOLD, K. Developing a wildland research plan for Hawaii. Pacific Sci. Cong. Organ. & Devlpmt. Res. Forestry Pacific Region. Symp. Papers, 10th Cong.:44-48. 1961, pub. 1962. 330.9 P1940  
Includes multiple use of forests.
- 91634 BARTON, T. F. Our recreational needs and long-ranged potential plans for public outdoor recreation in Indiana. Ind. Acad. Sci. Proc. 72: 218-227. Ref. 1962, pub. 1963. 500 In2  
Includes recreational use of forests.
- 91635 BROWNING, B. M., and LAUPPE, E. M. A deer study in a redwood-Douglas fir forest type. Calif. Fish & Game 50(3):132-147. July 1964. 410 C12  
Effects of browsing on reproduction.
- 91636 CAMERON, R. J. Destruction of the indigenous forests for Maori agriculture during the nineteenth century. New Zeal. J. Forestry 9(1):98-109. Ref. 1964. 99.8 C162
- 91637 DRESSER, W. T. Design for multiple use. Amer. Forests 70(7):12-15. July 1964. 99.8 F762  
California.

Forest Influences

- 91623 ALBERT. The outstanding significance of water conservation in the yield of our diluvial sands. 9 p. Transl. 13722  
Translation from Zeitschrift fur Forst- und Jagdwesen 56:193-202. Apr. 1964.
- 91624 BOROVINSKAYA, L. B. Effect of forest shelterbelts on changes of some properties of Light-Chestnut loamy soils. (Rus) Moscow. U. Vest. Ser. 6, 4:69-79. July/Aug. 1963. 442.9 M854
- 91625 GRABER, E. The Ire and its Basin. 6 p. Transl. 13737  
History of forests and their influence.  
Translation from Revue des Eaux et Forets. 7 Series 70:203-209. [n.d.]
- 91626 IVANOV, V. K. Meteorological observations taken in the Suburban Forest of the Siberian Institute for Agriculture and Forestry in 1925. 15 p. Transl. 13803  
Translation from Siberian Institute of Agriculture and Forestry. Forestry Section. Report 7(1/3):93-105. 1927.
- 91627 KASPRZYK, S. Goals of forestry in industrial areas. (Pol) Las Polski 38(3):8-10. Feb. 1/15, 1964. 99.8 L33  
With reference to air pollution.
- 91628 LAVAUDEN, L. The colonial forest problem. 12 p. Transl. 13831  
Forest influences in Africa.  
Translation from Revue des Eaux et Forets 68:92-100. 1930.
- 91629 MILOSERDOV, N. M. Soil moisture of forest shelterbelts and of fields between in the dry steppe of Ukraine. (Rus) Pochvovedenie 4:28-35. Ref. Apr. 1964. 57.8 P34  
English summary.
- 91630 NAN-HUA LIN YEH KUNG TSO CHAN. Using forestry to promote agriculture, preventing wind and increasing production. (Ch) Chung Kuo Nung Pao 6:16-18. June 1963. 22.5 C473
- 91631 T'ING, L. The results and experiences of farm protection forest belt in the Manas reclamation area. p.11-18. Transl. 12989  
Translation from Chung-kuo Lin-yeh 6:11-12. 1962.
- 91633 FOL, R. Management of big game. (Fr) Rev. Forest. Franc. 16(6):451-473. Ref. June 1964. 99.8 R329
- 91639 GREENLEAF, R. D. The integration of year around recreation and timberland management on the Passadumkeag Mountain Region of eastern Maine. Maine. Agr. Expt. Sta. B. 616, 60 p., map. Ref. 1963. 100 M28S  
Thesis—University of Maine.
- 91640 JAPAN, FOREST EXPERIMENT STATION, HOKKAIDO BR. STATION. FARM WOODLAND AND RANGE MANAGEMENT RESEARCH ROOM. Studies on management of forest grazing. 2. Cattle grazing in deciduous hardwood forest in Hokkaido districts. (Ja) Japan. Forest Expt. Sta. B. 148:1-49, map. Mar. 1963. 99.8 R47  
English summary.
- 91641 REYNOLDS, H. G., and JOHNSON, R. R. Habitat relations of vertebrates of the Sierra Ancha Experimental Forest. U. S. Forest Serv. Res. Paper RM-4, 16 p. Mar. 1964. A99.9 F7632U
- 91642 TRAVERS, W. W. G. Animal control in Westland protection forests. New Zeal. J. Forestry 9(1):89-97. 1964. 99.8 C162
- 91643 U. S. FOREST SERV. Olympic National Forest in 1963. Olympia, 1964. 8 p. A99.9 OL9
- 91644 U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Multiple use highlights, 1963. Washington, 1963. 29 p., map. A99.9 F768M
- 91645 VESSEY, J. K. The South goes scenic. Amer. Forests 70(7):20-23. July 1964. 99.8 F762  
National forests.
- 91646 ZUBAREVA, R. S. Use of forest vegetation for grazing in the Pyshminsk pine woods of the Trans-Ural area. (Rus) Akad. Nauk SSSR. Ural'skii Filial. Inst. Biol. Trudy 28:57-80. Ref. 1962. 442.9 Ak14

FOREST INDUSTRIES AND TRADE

- 91647 BOADO, E. D. Outlook for Philippine wood industry good. World Wood 5(2):4-5. Apr. 1964. 99.8 W89
- 91648 CHRISTOPHER, J. F. Mississippi forest industry statistics, 1962. U. S. Forest Serv. Resource B. SO-4, 24 p., map. 1963. A99.9 F7628Ur
- 91649 MCCracken, E. The Irish timber trade in the seventeenth century. Irish Forestry 21(1): 7-20. Ref. Spring 1964. 99.8 Ir4



Lumbering and LoggingSawmills

- 91650 BAUER, H. Road density and mapping roads in high mountains. (Ge) Allg. Forstz. 19(25/26): 375-377, map. June 20, 1964. 99.8 AL52
- 91651 BENEDEK, A., and TOTH, F. Modern equipment for pulling down suspended trees. (Hu) Erdo 13(6):275-282. June 1964. 99.8 Er22
- 91652 BRUCE, R. W. State regulation of log trucking in the Pacific Northwest. Wash. Agr. Expt. Sta. Sta. C. 431, 18 p. Ref. June 1964. 100 W27S
- 91653 COURTICE, W. J. Catalogue GF logging winches available in Australia. Austral. Timber J. & Bldg. Prod. Merchandiser 30(4):57-58. May 1964. 99.81 Au7
- 91654 EK, I. Some impressions from a study trip to eastern Canada and Northeastern USA, Oct. 3-28, 1963. (Sw) Skogen [Stockholm] 51(3): 81-83. Feb. 6, 1964. 99.8 Sk51  
Logging and forest resources.
- 91655 HAFNER, F. Problems in slope opening-up in steep locations. (Ge) Allg. Forstz. 19(25/26): 367-369. June 20, 1964. 99.8 AL52  
Cables versus roads in log hauling.
- 91656 KANTOLA, M. Pienpuurankojen korjuu maati-lametsista. The harvesting of small-diameter long logs [i.e. logs] from farm forests. Työ-tehoseura. Julkaisu. 101, 72 p. Ref. 1964. 20 M11  
English summary.
- 91657 KAUFMANN, G. VON. New methods of cable hauling following establishment of roads in high mountains. (Ge) Allg. Forstz. 19(25/26):372-374. June 20, 1964. 99.8 AL52
- 91658 LEIJONHUVUD, A. C. Origin and development of inter Scandinavian cooperation in logging technique. (Sw) Norrlands Skogsvardsforbund. Tidskr. 1:3-24. 1964. 99.9 N77
- 91659 MCKEE, M. Logging of exotic plantations—Kaingaroa Forest, N. Z. APPITA 17(5):xxi-xxv. Mar. 1964. 302.8 Au7  
Pine forests.
- 91660 MITCHELL, B. A. Periodical cropping of Imperata cylindrica for paper pulp. Malayan Forester 27(1):22-45. Ref. Jan. 1964. 99.8 M292
- 91661 O'NEIL, W. J. Logging in the Lake States in 1910. North. Logger 12(12):32, 51-52. June 1964. 99.81 N812
- 91662 PINTO, A. Cost of forest exploitation in the Enclave de Cabinda. (Por) Granja [Lisboa] 22(3/4):81-88. July/Dec. 1963. 15.5 G76
- 91663 SALANTERA, P. Most Finnish logs are floated to market as rivers and lakes link woods with mills. World Wood 5(2):8-10. Apr. 1964. 99.8 W89
- 91664 SCHLEICHER, H. Between cable and road. (Ge) Allg. Forstz. 19(25/26):361. June 20, 1964. 99.8 AL52  
Logs hauling.
- 91665 SMACK, L. C., and LENTZ, A. N. Sawmills pay more for logs correctly "bucked." N. J. State Agr. Col. Ext. L. 376, 2 p. June 1964. 475.29 N46L
- 91666 STREHLKE, E. G. Wood transportation on the plain and on light slopes. (Ge) Allg. Forstz. 19(25/26):362-366. Ref. June 20, 1964. 99.8 AL52
- 91667 SZELESS, S. Report on two loading equipment. (Ge) Forstl. Bundesversanst. Mariabrunn in Schonbrunn Informdienst. 81:1-2. In Allg. Forstztg. 75(11/12). June 1964. 99.8 AL53  
For logs.
- 91668 VENET, J. Experimentation with some automatic equipment for forest logging. (Fr) Rev. Forest. Franc. 16(6):512-514. June 1964. 99.8 R329  
Machine for lopping off branches.
- 91669 VYPLEL, K. Rational cable crane hauling. (Ge) Allg. Forstz. 19(25/26):370-371. June 20, 1964. 99.8 AL52

- 91670 BACKMAN, O. Gangsaws important in Swedish sawmilling. World Wood 5(2):24-26. Apr. 1964. 99.8 W89
- 91671 CANADA. BUR. OF STATISTICS. Sawmills; 1961 annual census of manufactures. Ottawa, 1964. 31 p. 99.76 C16
- 91672 LAMBE, T. A. Operations research in saw-mills. Brit. Columbia Lumberman 48(6):54-56, 58. June 1964. 99.81 B77
- 91673 SERRY, V. Maintenance of wide bandsaws. I. Austral. Timber J. & Bldg. Prod. Merchandiser 30(4):93, 95, 97. May 1964. 99.81 Au7
- 91674 TAYLOR, F. W. Log sawing procedures; an aid for saw mill operators. Mo. Agr. Col. Ext. C. 801, 4 p. Dec. 1963. 275.29 M69C

Processing and Woodworking

- 91675 HILLIS, W. E., and MCKENZIE, W. M. Chemical attack as a factor in the wear of woodworking cutters. Forest Prod. J. 14(7):310-312. Ref. July 1964. 99.9 F7662J
- 91676 HON, L. Y., and NGOK, W. C. A preliminary study on the efficiency of stepped joints in bending. Malayan Forester 27(1):63-71. Jan. 1964. 99.8 M292

Seasoning, Conditioning and Finishing

- 91677 MARSHALL, P. E. The performance and operation of oil fired directly heated kilns. Austral. Timber J. & Bldg. Prod. Merchandiser 30(4): 45-46, 48, 53, 55. May 1964. 99.81 Au7
- 91678 POH, E. J. Weather protective treatments for finished, dry lumber. South. Lumberman 209 (2599):32, 34-35, 38. July 15, 1964. 99.81 So82
- 91679 SCHWOERER, B. Fifty kW high-frequency heating equipment for transformer wood. (Ge) Holz als Roh- u. Werkst. 22(5):200-202. May 1964. 99.81 H74
- 91680 SHARMA, S. N., and BALI, B. I. A study of the shrinkage of Toon (Cedrela toona) in high temperature drying. (Effect of employing lower relative humidity during drying). Dehra Dun. Forest Res. Inst. Indian Forest B. (n.s.) 240, 11 p. Ref. 1964. 99.9 In22B
- 91681 TAYLOR, F. W. Air seasoning of wood. Mo. Agr. Col. Ext. C. 800, 7 p. Dec. 1963. 275.29 M69C

Wood Preservation and Damage

- 91682 ARNI, P. C., and JONES, E. Preparation of N-alkenyl- an N-m-styri-phosphoramidates and their application as flame retardants for wood. J. Appl. Chem. 14(6):221-228. Ref. June 1964. 382 J82
- 91683 COURTOIS, H. Contribution to the problem of wood decomposing Ascomycetes and Fungi imperfecti. (Ge) Holzforschung 17(6):176-183. Ref. Dec. 1963. 99.8 H74  
English summary.
- 91684 GILS, J. J. VAN. Why preservation of wood in a mushroom nursery. (Du) Champignoncultuur 8(1):15-16. Jan./Feb. 1964. 80 C35
- 91685 HUSAIN, M. S., and WALLIN, W. B. The influence of steam conditioning and treating schedule on retention and penetration of creosote preservative in gurjan (Dipterocarpus species). Commonwealth Forestry Rev. 43(2): 169-175. June 1964. 99.8 Em72
- 91686 IMAIZUMI, K. Stability in fire of protected and unprotected glued laminated beams. New Zeal. Dept. Sci. & Indus. Res. Inform. Ser. 47, 24 p. Ref. 1963. 464.9 N48

- 91687 KARTAVENKO, N. T., and KOLESNIKOV, B. P. On the rate of decomposition of slash on clear cut areas. (Rus) Akad. Nauk SSSR. Ural'skii Filial. Inst. Biol. Trudy 28:119-130. Ref. 1962. 442.9 Ak14  
With reference to wood-destroying fungi.
- 91688 KISSER, J., and LOHWAG, K. Histochemical experiments with lignified cell walls. 8 p. Ref. Transl. 13473  
With reference to destruction of *Abies alba* wood by *Fomes hartigii*.  
No source of translation given.
- 91689 MERRILL, W., and FRENCH, D. W. The production of arsenous gases by wood-rotting fungi. Minn. Acad. Sci. Proc. 31(2):105-106. 1964. 500 M663  
Includes discussion of arsenical wood preservatives.
- 91690 MILLER, D. J., and CURRIER, R. A. Penetrability of glue lines in Douglas-fir plywood by preservative solutions. Forest Prod. J. 14(7):303-309. Ref. July 1964. 99.9 F7662J
- 91691 RAILWAY TIE ASSOCIATION. COMMITTEE ON TIMBER CONSERVATION. Report. Cross Tie B. 45(4):14,16. Apr. 1964. 99.82 C87
- 91692 RAJAGOPALAN, C. Studies on some wood-rotting fungi from northeastern Kansas. Diss. Abs. 24(12,pt.1):4945. June 1964. 241.8 M58
- 91693 ROOSEN, P. Study of the fungicidal properties of borax for wood protection. (Fr) Rev. de l'Agr. 17(4):521-523. Apr. 1964. 13 R322
- 91705 KMOTIZEK. How stands it with the wooden tie in the German Republic? Cross Tie B. 45(5):9-12. May 1964. 99.82 C87  
Translation from Holzschwelle, Oct. 1963.
- 91706 METCALF, M. E. 1962 Oregon log production. U. S. Forest Serv. Resource Rpt. PNW-2,2 p. Apr. 1963. A99.9 F7625Un
- 91707 RAILWAY TIE ASSOCIATION. COMMITTEE ON MECHANICAL HANDLING OF CROSS TIES. Final report. Cross Tie B. 45(4):26,28,30-31. Apr. 1964. 99.82 C87
- 91708 SLOCOMB, J. T. Baltimore & Ohio Railroad tie test from Germantown to Barnesville, Md.; startling results of a 35 year—10 mile test in Maryland. Cross Tie B. 45(6):9-12,14,16-17, 20. June 1964. 99.82 C87
- 91709 U. S. FOREST SERV. PACIFIC SOUTHWEST FOREST AND RANGE EXPERIMENT STATION. Pocket guide to the improved grading system for ponderosa pine and sugar pine saw logs in trees, by E. M. Gaines. Berkeley, 1964. 52 p. A99.76 F767P

### Construction

- 91710 CONE, C. M. A composite timber-concrete bridge. Wellington. Forest Res. Inst. Tech. Paper 34,11 p., map. 1960. 99.9 W46T
- 91711 MASANI, N. J. Integrated schemes of saw mills, seasoning sheds and preservation plants for utilization of secondary species of timber required for structural purposes. Indian Forester 90(4):229-240. Apr. 1964. 99.8 In2
- 91712 PARKER, H. Simplified design of structural timber. Ed. 2. New York, Wiley, 1963. 265 p. 99.79 P22

### Veneers, Plywood and Adhesives

- 91713 INGRASSIA, A. P. Weathering test for siding products. Forest Prod. J. 14(7):313-315. July 1964. 99.9 F7662J  
Includes plywood and particle board.
- 91714 PERKITNY, T. Fully mechanized gluing of timber into construction elements. (Ge) Holz als Roh- u. Werkst. 21(2):64-68. Feb. 1963. 99.81 H74  
English summary.

### Furniture

- 91715 JAVORFI, T. Processing of teak wood. (Hu) Faipar 14(6):190-191. June 1964. 99.82 F14  
Furniture manufacture.

### Pulp and Paper

- 91716 AHMED, H. I., and SHERIF, F. G. Studies on free and total alkali in black liquor. Indian Pulp & Paper 18(11):608,610-612. May 1964. 302.8 In23
- 91717 APPLETON, (WIS.) INSTITUTE OF PAPER CHEMISTRY. Proceedings of the twenty-eighth executives' conference, May 7-8, 1964. Appleton, 1964. 127 p. 302.9 Ap5
- 91718 ASSOCIATED SCIENTIFIC AND TECHNICAL SOCIETIES OF SOUTH AFRICA. Annual proceedings, 1961-1962. Johannesburg, 1963. 50 p. 330.9 As72  
The manufacture of pulp and paper in South Africa, by A. R. Mullins, p. 11-29.
- 91719 BRITT, K. W., and YIANNOS, P. N. The strength of papermaking fibers. Tappi 47(7):427-431. Ref. July 1964. 302.8 T162
- 91720 CROON, I. A comparison between spruce and pine as raw materials for pulping. (Sw) Svensk Papperstidn. 67(11):467-473. June 15, 1964. 302.8 Sv2  
English summary.

### FOREST PRODUCTS

- 91694 DALOCSA, G. Wood industry research results in 1961-1963. (Hu) Faipar 14(6):171-176. June 1964. 99.82 F14
- 91695 LINK, R. A. FPL research means new opportunities in wood industries. North. Logger 12 (12):20-21,45,48,61. June 1964. 99.81 N812  
U. S. Forest Service, Forest Products Laboratory, Madison.
- 91696 MCBRIDE, J. S. Timber research and development for industry in the United Kingdom. Forest Prod. J. 14(7):322-324. July 1964. 99.9 F7662J  
Work of the Timber Research and Development Association.
- 91697 NELSON, C. W. Prospects for the region's western softwoods industry. Fed. Reserve Bank Minneapolis. Mon. Rev., June 1964:3-7, 10-11. 284.8 F31M
- 91698 PUTNAM, J. A. The plight of southern hardwood resources. Forest Prod. J. 14(7):319-321. July 1964. 99.9 F7662J
- 91699 SACRE, E. Study of Euramerican poplar woods of Belgian and foreign origin. (Fr) Rev. de l'Agr. 17(4):531-534. Apr. 1964. 13 R322  
Trends in production and properties.
- 91700 TIMBER and plywood annual, incorporating Board News, 1964. London, 1964. 17,228 p. 99.81 T489A
- 91701 TIMBER RESEARCH AND DEVELOPMENT ASSOCIATION. Annual report for 1963. Buckinghamshire, 1963. 36 p. 99.9 T48A

### Lumber and Rough Products

- 91702 BEUTER, J. H. 1961 Washington log production. U. S. Forest Serv. Resource Rpt. PNW-1, 2 p. Jan. 1963. A99.9 F7625Un
- 91703 CONFEDERATION EUROPEENNE DE L'AGRICULTURE. Richtlinien für eine einheitliche Europäische Sortierung von Rund- und Schichtholz [Directions for a unified European classification of logs and cordwood]. Confed. Europeenne de l'Agr. P. 19,18 p. 1961. 28 C763
- 91704 DINSDALE, E. M. The lumber industry of northern New York: a geographical examination of its history and technology. Diss. Abs. 24(12, pt.1):5328. June 1964. 241.8 M58



- 91721 ERNEST, F. M., and POTTER, J. Comparative neutral sulfite semichemical evaluation of northern hardwoods. Tappi 47(7):129A-131A. July 1964. 302.8 T162
- 91722 FISCHGOLD, S., ANTON, I., and HERSCU, O. Researches on the obtention of kraft pulps from beech wood for chemical processing. I. (Rum) Celuloza si Hirtie 13(1):10-16. Jan.1964. 309.8 C334  
English summary.
- 91723 FREEDMAN, H. Shredded chips point the way to lower sulphite pulping costs. Paper Trade J. 148(28):38-41. Ref. July 13,1964. 302.8 P196
- 91724 GRAGG, F. C. The future of pulpwood production from now till 1989. (Excerpts.) Pulpwood Prod. & Saw Mill Logging 12(7):12,14. July 1964. 99.81 P96
- 91725 HRUTFIORD, B. F., and MCCARTHY, J. L. Spent sulfite liquor. XII. Gas chromatographic analysis of volatile components in spent sulfite liquors. Tappi 47(7):381-386. Ref. July 1964. 302.8 T162
- 91726 JAMIESON, R. G., and NICHOLLS, G. A. Beilschmiedia tawa as a source of small fibres. APPITA 17(5):134-140. Mar.1964. 302.8 Au7  
For kraft pulps.
- 91727 JARMAN, H. G. Snowmobile evolution to pulpwood hauler. Canad. Pulp & Paper Indus. 17(6):71. June 1964. 302.8 W52
- 91728 JENTZEN, C. A. The effect of stress applied during drying on some of the properties of individual pulp fibers. Tappi 47(7):412-418. Ref. July 1964. 302.8 T162  
Logleaf pine holocellulose pulp.
- 91729 LUKE, D. L. The pulp and paper industry—and the South. Va. Forests 19(1):6-9. Spring 1964. 99.8 V81
- 91730 MONTIGNY, R. DE. The process research programme. Trend 3:4-8. Summer 1964. 302.8 T72  
Of the Process Research Department of Pulp and Paper Research Institute of Canada.
- 91731 NORDQUIST, M. On the renaissance of birch wood. (Sw) Skogen [Stockholm] 51(1):13-16. Jan.9,1964. 99.8 Sk51  
Chiefly on the use of birch for pulp.
- 91732 PEARL, I. A. By-products. Appleton (Wis.) Inst. Paper Chem. Exec. Conf. Proc., 28th Conf.:74-80. May 7-8,1964. 302.9 Ap5  
Of pulp and paper industry.
- 91733 PEARL, I. A., and BEYER, D. L. Studies on the chemistry of aspenwood. XVIII. 2,6-dimethoxyphenol in aspen spent sulfite liquor oxidation mixtures. Forest Prod. J. 14(7):316-318. July 1964. 99.9 F7662J
- 91734 PRESS, R. E. Manganese in the chlorine dioxide bleaching of kraft pulp. J. Appl. Chem. 14(6):240-244. June 1964. 382 J82

#### Chemical Products and Distillates

- 91735 CHOPIN, J., BOUILLANT, M. L., and LEBRETON, P. Isolation of a new natural isoflavone: methyl-d-genistein, extracted from wood of Cytisus laburnum L. (Fr) Soc. Chim. de France. B. 5:1038-1042. Ref. May 1964. 383 P21B
- 91736 CORBETT, R. E., YOUNG, H., and WILSON, R. S. Extractive from the bark of Olearia paniculata. Austral. J. Chem. 17(6):712-714. June 1964. 475 Au7
- 91737 LAMBERTON, J. A. The occurrence of 5-hydroxy-7,4-dimethoxy-6-methylflavone in Eucalyptus waxes. Austral. J. Chem. 17(6):692-696. June 1964. 475 Au7
- 91738 MARTIN, J. A., and HICKS, B. G. The economics of using low-quality hardwoods for producing charcoal in Tennessee. Tenn. Agr. Expt. Sta. B. 375,38 p. Feb.1964. 100 T25S
- 91739 NAGARAJAN, G. R., and SESHADRI, T. R. Flavonoid components of the heartwood of Prunus domestica Linn. Phytochemistry 3(4):477-484. July 1964. 450 P5622

- 91740 SETHI, M. L., ATAL, C. K., and GUPTA, R. Jurinea macrocephala Benth.—the commercial source of dhoop. II. Chemical evaluation and survey. Indian Forester 90(5):288-291. May 1964. 99.8 In2

#### Naval Stores

- 91741 STEPHEN, A. M., and SCHELPE, E. A. C. L. E. Plant polysaccharide gum structures in relation to the taxonomic affinities of their species of origin. So. African Indus. Chem. 18(2):12-15. Ref. Feb.1964. 385 So8  
From trees and shrubs.

#### Other Forest Products

- 91742 BORLANDO, L. A. Panels of sugarcane bagasse and synthetic resin. (Sp) Indus. y Quim. 23(2):127-134. 1963. 385 In28  
Particle board manufacture.
- 91743 CIANCIULLI, P. L. Do domestic corks provide a satisfactory substitute for those produced by cork oaks? (Por) Rural 44(513):8-9. Jan. 1964. 9.2 B733
- 91744 CIANCIULLI, P. L. The tree as a symbol of Christmas. (Por) Rural 43(512):36-39. Dec. 1963. 9.2 B733
- 91745 JAIN, N. C., GUPTA, R. C., and BAJAJ, S. C. A further note on building boards from sawdust. Indian Pulp & Paper 18(11):613,615. May 1964. 302.8 In23
- 91746 JOHNSON, J. W. Effect of exposure cycles on stability of commercial particleboard. Forest Prod. J. 14(7):277-282. July 1964. 99.9 F7662J
- 91747 KARNIK, M. G., and MISRA, A. K. Maple wood (Acer caesium) for tooth-pick industry. Indian Forester 90(5):310-311. May 1964. 99.8 In2
- 91748 KOLLWENTZ, O. To secure our continuous Christmas tree production. (Hu) Erdo 13(6):258-263. June 1964. 99.8 Er22
- 91749 LINNARTZ, N. E. Arizona cypress [Cupressus arizonica] for Christmas tree production in Louisiana. LSU Forestry Notes 56,4 p. Jan. 1964. 99.8 L93
- 91750 LINTON, R. E. A look at economics in the production of Christmas trees in New York State. N. Y. State Col. Agr. (Cornell U.) Dept. Agr. Econ. A. E. Res. 142,14 p. June 1964. 281.9 C81A
- 91751 MCGILLIVRAY, D. Hardboard exposure tests. I-III. Final report. N. S. Wales. Forestry Comm. Div. Wood Technol. Proj. U16,14 p. Apr.27,1964. 99.79 N473
- 91752 SCHUSTER, V. A new raw material of wood industry in the near future: "mycowood." (Hu) Buvar 8(5):275-277. Sept./Oct.1963. 410 B98  
At presently chiefly utilized in pencil manufacture.

#### WOOD TECHNOLOGY

- 91753 ARTHUR, H. R., HUI, W. H., and LAM, C. N. An examination of Quercus championi of Hong Kong. Austral. J. Chem. 17(6):697-700. June 1964. 475 Au7
- 91754 BHRARA, S. C., JAIN, A. C., and SESHADRI, T. R. A new examination of the special components of Pterocarpus indicus heartwood. Cur. Sci. 33(10):303. May 20,1964. 475 Sci23
- 91755 CALDERON VELASCO, R., and others. On the presence of xanthyletin in the wood of Brosimum sp. (It) Ann. di Chim. 54(3/4):343-348. Mar./Apr.1964. 385 An7  
C. G. Casinovi, G. Grandolini, and G. B. Marini-Bettolo, joint authors.  
English summary.

- 91756 DREILAENDER-HOLZTAGUNG, 5, LOCARNO, 1963. 5. dreilander-holztagung 1963 in locarno [Abstracts of five papers]. Prakt. Schadlingsbekämpfer 15(10):144-145. Oct.1963. 421 P882  
Sponsored by the wood research association of Austria, Germany, and Switzerland.
- 91757 FREUDENBERG, K., HARKIN, J. M., and WERNER, H. K. The occurrence of benzyl aryl ethers in lignin. (Ge) Chem. Ber. 97(3):909-920. Ref. Mar.1964. 384 B45
- 91758 GORING, D. A. I. Lignin. Trend 3:9-15. Summer 1964. 302.8 T72  
In wood.
- 91759 HUMPHREYS, F. R., and BOOTLE, K. R. An investigation of the corrosion of metals when used in contact with timber. N. S. Wales. Forestry Comn. Div. Wood Technol. Proj. C8,7 p. Apr.2,1964. 99.79 N473
- 91760 JAYME, G. VON., and KNOLLE, H. The empirical X-ray determination of the degree of crystallinity of cellulosic material. (Ge) Papier 18(6):249-255. June 5,1964. 302.8 P1934  
English summary.
- 91761 LEE, L. T. C. Effect of zinc chloride vulcanization on the structure and properties of cellulose laminate. Tappi 47(7):386-392. Ref. July 1964. 302.8 T162
- 91762 MENON, P. K. B. Perupok wood; revision of nomenclature and classification. Malayan Forester 27(1):18-21. Jan.1964. 99.8 M292  
Lophopetalum.
- 91763 PEARL, I. A. Lignin chemistry: century-old puzzle. Chem. & Engin. News 42(27):80-93. July 6,1964. 381 J825N
- 91764 POLCIN, J., and others. Changes in the infrared spectra of spruce wood lignin in the range of 1600-1800  $\text{cm}^{-1}$  in the course of acidolysis. (Cz) Chem. Zvesti 17(12):891-904. Ref. 1963. 385 C4222  
B. Kosikova, P. Sipos, M. Dandarova-Vasatkova, and J. Suchy, joint authors.  
German summary.
- Properties and Structure
- 91765 BERGER, H. Radiography as a tool of nondestructive testing. Forest Prod. J. 14(7):290-292. Ref. July 1964. 99.9 F7662J  
In wood and wood products.
- 91766 ERICKSON, H. D., and BALATINECZ, J. J. Liquid flow paths into wood using polymerization techniques—Douglas-fir and styrene. Forest Prod. J. 14(7):293-299. Ref. July 1964. 99.9 F7662J
- 91767 GARDNER, H. S., and EINSPAHR, D. W. Reproducibility of micropulping wood samples. Tappi 47(7):432-434. July 1964. 302.8 T162  
In relation to evaluating wood quality.
- 91768 GREEN, H. V., and Worrall, J. Wood quality studies. I. A scanning microphotometer for automatically measuring and recording certain wood characteristics. Tappi 47(7):419-427. Ref. July 1964. 302.8 T162
- 91769 HUBER, B. New discoveries in tree-ring research. Internatl. Assoc. Wood Anat. New B. 2: 2-4. 1963. 99.9 In284
- 91770 HUSAIN, M. K., and QURASHI, M. M. Studies in the electrical insulation properties of natural and synthetic materials. II. Analysis of the high and low voltage measurements on humidified wood and "jutoid". Pakistan J. Sci. & Indus. Res. 6(4):256-259. Oct.1963. 475 P174
- 91771 JOHN, P. T. Investigation of the relation between moisture content, relative humidity and temperature in timber. Indian Forester 90(4): 203-209. Ref. Apr.1964. 99.8 In2
- 91772 KAUMAN, W. G. Cell collapse in wood. I. Process variables and collapse recovery. (Ge) Holz als Roh- u. Werkst. 22(5):183-196. Ref. May 1964. 99.81 H74  
English summary.  
Review of literature.
- 91773 KEITH, C. T. Annual layers affect resistance of wood to impact. Forest Prod. J. 14(7):285-289. Ref. July 1964. 99.9 F7662J
- 91774 NOACK, D. Effect of sample dimensions on the determination of wood swelling. (Ge) Holz als Roh- u. Werkst. 22(5):174-182. Ref. May 1964. 99.81 H74  
English summary.
- 91775 OLIVER, A. C. Practical guide to the use of electrical conductivity moisture content meters for timber. Timber Devlpmt. Assoc. Inform. B. B/IB/5,8 p. Oct.1961. 99.9 T481b
- 91776 POLGE, H. The juvenile wood of conifers. (Fr) Rev. Forest. Franc. 16(6):474-505. Ref. June 1964. 99.8 R329  
Anatomy and properties.
- 91777 RESCH, H., and ECKLUND, B. A. Electrical moisture meter calibration for woods containing highly volatile constituents. Calif. Forestry & Forest Prod. 34,4 p. Oct.1963. 99.8 C123  
Chamaecyparis lawsoniana and C. nootkatensis.
- 91778 SACHSSE, H. The submicroscopic structure of the fibre cellwall in poplar tensionwood. (Ge) Holz als Roh- u. Werkst. 22(5):169-174. May 1964. 99.81 H74  
English summary.
- 91779 SCHNIEWIND, A. P. Comparison of young-growth and old-growth redwood machinability, fastening strength, and shrinkage. Calif. Forestry & Forest Prod. 33,8 p. Ref. Oct.1963. 99.8 C123  
Sequoia sempervirens.
- 91780 VAN BUIJTENEN, J. P. Anatomical factors influencing wood specific gravity of slash pines and the implications for the development of a high-quality pulpwood. Tappi 47(7):401-404. July 1964. 302.8 T162
- 91781 VODNANSKY, J., SLABINA, M., and SCHNEIDER, B. Investigation of the changes in composition and structure of cellulose and wood by infrared spectroscopy. Collect. Czechoslovak Chem. Commun. 28(12):3245-3256. Ref. Dec. 1963. 385 C68
- 91782 WERREN, F. Research needed on tensile strength of wood. Forest Prod. J. 14(7):300-302. July 1964. 99.9 F7662J



## ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

## BREEDS AND BREEDING

- 91783 BALOMIRI, E., and JIANU, E. Development of livestock breeding in state farms. (Rum) Rev. de Zooteh. si Med. Vet. 13(1):29-36. Jan.1963. 49 P943
- 91784 BALOMIRI, E., and JIANU, E. Problems raised by intensive development in animal breeding. (Rum) Rev. de Zooteh. si Med. Vet. 13(11):5-15. Nov.1963. 49 P943
- 91785 BETTINI, T. M. A measure of natural selection associated with livestock selection. (It) Naples. U. Facol. di Sci. Agr. Ann. (ser.3)29: 321-333. 1963/64. 105.4 P83
- 91786 BURLACU, D., and CITU, D. Breeding—an important source of income of the collective farms in the Bucharest region. (Rum) Rev. de Zooteh. si Med. Vet. 13(1):37-46. Jan.1963. 49 P943
- 91787 COMSA, I. New problems concerning artificial insemination. (Rum) Rev. de Zooteh. si Med. Vet. 13(1):23-28. Jan.1963. 49 P943
- 91788 DOBROVICI, M., and OPREA, E. The activities and results obtained by centers for animal selection in improving the breeds. (Rum) Rev. de Zooteh. si Med. Vet. 13(12):32-48. Dec. 1963. 49 P943
- 91789 DOBROVICI, M. Importance of selection centers in animal breeding in Rumania. (Rum) Rev. de Zooteh. si Med. Vet. 13(1):17-22. Jan. 1963. 49 P943
- 91790 EIBL, K. Actual advances in semen conservation by lower storage temperatures. (Ge) Tierzuchter 16(11):418. June 5,1964. 49 T445
- 91791 FISCHBACH, V. Livestock breeding in Luxemburg. (Ge) Tierzuchter 16(1):9-11. Jan.5, 1964. 49 T445
- 91792 GEORGESCU, I., and CITU, D. The results obtained in the development of animal breeding in Bucharest region. (Rum) Rev. de Zooteh. si Med. Vet. 14(5):55-64. May 1964. 49 P943
- 91793 GLIGOR, V. For the continuous development of breeding in 1963. (Rum) Rev. de Zooteh. si Med. Vet. 13(1):5-16. Jan.1963. 49 P943  
English summary.
- 91794 GLOD, W. Polish-German cooperation in artificial insemination of livestock. (Pol) Przegl. Hodowlany 32,1.e.31(11):32-33. Nov.1963. 49 P952
- 91795 KIRSCH, W. Breeding and feeding. (Ge) Tierzuchter 16(10):342,345-346. May 20,1964. 49 T445  
English summary.  
Includes selection and effects of feeding.
- 91796 KRAVCHENKO, N. A. Razvedenie sel'skokhozyaistvennykh zhivotnykh [Livestock breeding]. Moskva, Izdatel'stvo Sel'skokhozyaistvennoi Literatury, Zhurnalov i Plakatov, 1963. 311 p. 40 K86R
- 91797 LE ROY, H. L. Generalized evaluation of pedigree. (Ge) Z. f. Tierzucht. u. Zuchtbiol. 79(4): 303-309. Feb.1964. 442.8 Z35  
English summary.  
Statistical methods for estimation of breeding value.
- 91798 LOWE, H. Are the number of breeder associations still up-to-date? (Ge) Tierzuchter 16 (7):215-216. Apr.5,1964. 49 T445
- 91799 OOSTERLEE, C. C., and BOUW, J. A review of the genetically controlled substances in farm animals determined with the use of electrophoresis. (Du) Tijdschr. v. Diergeneesk. 89 (11):758-764. Ref. June 1,1964. 41.8 T431  
English summary.
- 91800 PUSTELNIK, J., and OBERMAN, E. Illini milk-egg yolk diluent? (Pol) Przegl. Hodowlany 31(2/3):27-29. Feb./Mar.1963. 49 P952  
Livestock semen storage.
- 91801 QUITTET, E. Future prospects of the French livestock breeding. (Ge) Tierzuchter 16(3):71-73. Feb.5,1964. 49 T445

- 91802 SKORKOWSKI, E. The stability phenomenon. (Ge) Arch. f. Tierzucht 7(3):233-236. 1964. 49 Ar23  
English summary.  
Genetical studies in relation to natural selection of animals.
- 91803 STALINSKI, Z., and KNOTHE, A. Inheritance of quantitative characters. 6. (Pol) Przegl. Hodowlany 31(2/3):37-39. Feb./Mar.1963. 49 P952  
Genetics of domestic animals.
- 91804 STEFANESCU, M. The contribution of science to animal breeding. (Rum) Rev. de Zooteh. si Med. Vet. 14(3):12-24. Mar.1964. 49 P943
- 91805 TIMARIU, S., and PETCU, D. The contribution of the Statiunea Experimentală Dobrogea to the development of animal breeding in the Dobrogea district. (Rum) Rev. de Zooteh. si Med. Vet. 13(12):24-31, map. Dec.1963. 49 P943

## FEEDS AND FEEDING

- 91806 ACKERSON, C. W. Clear, cool water—is it hiding nitrate? Feed Age 14(6):39-40. Ref. June 1964. 389.78 F327  
Danger to livestock.
- 91807 ARENS, R. Why rotational grazing? (Ge) Tierzuchter 16(4):113-115. Feb.20,1964. 49 T445
- 91808 BAIA, G. Increasing the fodder crop by harvesting in due time and by improving the conditions of conservation. (Rum) Rev. de Zooteh. si Med. Vet. 14(5):5-10. May 1964. 49 P943
- 91809 BAKER, R. D., and BAKER, H. K. The sampling of pit silage to determine density and dry matter. Brit. Grassland Soc. J. 19(2):248-250. June 1964. 60.19 B773
- 91810 BEREZOVSKI, A. Ensiling of forage plants and utilization. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:69-73. 1964. 20 M57  
Preservation of nutritive value.
- 91811 BERNARDINI, G. Problems of animal nutrition studied in the Nutritional Institute of the Norwegian Agricultural College. (It) Aliment. Anim. 8(3):127-234. Mar.1964. 389.78 AL4
- 91812 BEYNON, V. H. Grass and livestock products: present performance and future prospects. Brit. Grassland Soc. J. 19(2):171-178. June 1964. 60.19 B773
- 91813 BOOTH, E. Trace elements and seaweeds. Internatl. Symp. Seaweed Res. Proc., 4th Symp.: 385-392. Ref. 1961, pub.1964. 461.4 In8  
Seaweed meal as feeding stuffs and fertilizers.
- 91814 BOSTICCO, A., and BONOMI, A. The chemical-bromatological value of foliage of artichoke (Cynara scolymus L.) with particular reference to the amino acid content. (It) Riv. di Zootec. 36(11):685-688,690-693. Nov.1963. 49 R52
- 91815 BRIGHT, R. E., and KLEIS, R. W. Mass shear strength of haylage. Amer. Soc. Agr. Engin. Trans. ASAE 7(2):100-101. 1964. 290.9 Am32T
- 91816 BROWN, R. E. Ruminant nutrition. Ill. Vet. 7(2):8-9. Spring 1964. 41.8 IL62
- 91817 BURCKHARDT, . Planned feeding on the farm. (Ge) Tierzuchter 16(10):354,357-358. May 20, 1964. 49 T445  
English summary.  
Ratio between fodder production area and animal units.
- 91818 CARVER, J. A. Public domain grazing. Natl. Wool Grower 54(7):18-19. July 1964. 45.8 N21N
- 91819 CASTLE, M. E., and WATSON, J. N. Wilted silage—a progress report. So. West Scotland Grassland Soc. J. 1(2):37-38. Mar.1963. 60.9 So82
- 91820 CERNOSEK, A. Utilization of food waste. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:87. 1964. 20 M57  
Feed.
- 91821 CHANG, C. C. Alkalized straw as feed for domestic animals. (Ch) Nongye Jishu 12:32-33. Dec.1962. 22.5 N929
- 91822 COENEN, J. Animal husbandry schools offer practical feeding courses. (Ge) Tierzuchter 16 (5):151-152. Mar.5,1964. 49 T445

- 91823 COENEN, J. Feeding plan—principal item in the farm organization. (Ge) Tierzuchter 16(7): 218,220. Apr.5,1964. 49 T445
- 91824 COLLOQUIUM of the Bayerische Arbeitsgemeinschaft Tierernahrung e. V., Freising-Weißenstephan, 6. 12. 1963 in Munich, on slaughter fat in animal nutrition. (Ge) Bayer. Landwirt. Jahrb. 41(2):223-251. 1964. 18 L24  
L. Durrwachter and M. Kirchgessner, moderators.
- 91825 CONSO, P. Feed of animal husbandry; composition and characteristic use. (It) Riv. di Zootec. 36(5,sup.):33-40; (6,sup.):41-48; (7-8,sup.):49-56; (9,sup.):57-64; (10,sup.):65-72. (Cont.) May-Oct.1963. 49 R52
- 91826 COOMBS, A. V. The role of copper in animal nutrition. Fert. & Feed. Stuffs J. 61(1):12-13. July 8,1964. 57.8 F413
- 91827 COUCH, J. R. New directions for feed nutrition research. Feeds Illus. 15(6):11. June 1964. 389.78 F326
- 91828 DE, H. N. A note on the relative nutritive value and the total and "available" methionine tryptophane and histidine in some fish flours. Pakistan J. Sci. & Indus. Res. 6(4):299-301. Oct. 1963. 475 P174  
As feed.
- 91829 DIJKSTRA, N. D. Study into the determination of the digestibility of concentrates with ruminants. (Du) Landbk. Tijdschr. 76(12):465-477. June 1964. 105.2 Or3  
English summary.
- 91830 DOLTORNYAZOV, I. KH. Storage of concentrated feed under conditions of livestock raising farm. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:256-260. 1963. 20 M857  
With reference to spoilage by molds.
- 91831 DORRIE, A. Feed and feeding are decisive in the animal finishing system. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(22):836,838. May 28,1964. 18 N39
- 91832 DOUTRE, J. L. Vacuum packed silage. Massey Agr. Col. Dairyfarming Annu. 1963:39-47. 44.9 M382  
Includes discussion.
- 91833 ELLIOTT, R. C., and TOPPS, J. H. Studies of protein requirements of ruminants. 3. Brit. J. Nutr. 18(2):245-252. Ref. 1964. 389.8 B773
- 91834 FERRANDO, R. Vitamin and mineral unbalances; should they be corrected by natural or artificial supplements? (Fr) Indus. de l'Aliment. Anim. 150:37,39,41,43,45. Mar.1964. 389.78 In2
- 91835 FERREIRA, E. A. Characteristics and quality of hay. (Por) Lavoura 66:15-16. July/Sept. 1963. 9.2 L39  
As feed.
- 91836 FRANCOIS, A. C. Animal nutrition in France. (Ge) Tierzuchter 16(10):382,384. May 20,1964. 49 T445  
English summary.
- 91837 GANCEDO, J., and ANANOS, H. American universities confirm the effectiveness of ethyl alcohol in ruminant nutrition. (Sp) Vida Agr. [Lima] 41(482):23,25,27. Jan.1964. 9.8 V66
- 91838 GASIOROWSKI, S. Feed supplements. (Pol) Nowe Roln. 13(3):33-35. Feb.1/15,1964. 20.5 N86
- 91839 GIRDA, T. B., and others. Contributions to the study of the calcium and phosphorus content and of the Ca/P rate in the forages used in the animal nutrition. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:253-262. Ref. 1963. 106.4 T48  
M. Milos, E. Catrina, A. Contrea, and A. Nanu, joint authors.  
English summary.
- 91840 GMELIN. Evaluation of farm produced grain. (Ge) Tierzuchter 15(23):860-862. Dec.5,1963. 49 T445  
For livestock feeding.
- 91841 GMELIN, S. Molasses chips as guarantee in spring ensiling. (Ge) Unser Milchvieh 16(4): 1-2. Apr.1964. 43.8 Un7
- 91842 GREENHILL, W. L. Plant juices in relation to silage fermentation. II. Factors affecting the release of juices. Brit. Grassland Soc. J. 19(2):231-236. Ref. June 1964. 60.19 B773
- 91843 GROENEWALD, J. W. Planning supplementary winter feeding. Farming So. Africa 40(2):15, 17. May 1964. 24 So842
- 91844 GRUMMER. Feed value of grass silage. (Ge) Tierzuchter 16(12):460-461. June 20,1964. 49 T445
- 91845 HEINISCH, E., and PANSE, G. Dinitro-ortho-cresol residues in plant residues useful for feed. (Ge) Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)17(4/5):85-91. Ref. Apr./May 1963. 464.9 N11
- 91846 HENNIG, A. Use of antibiotics, vitamins and minerals in animal nutrition. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:61-65. 1964. 20 M57
- 91847 HOFMANN, P. Slaughter fat in animal nutrition. (Ge) Bayer. Landwirt. Jahrb. 41(2):227-230. 1964. 18 L24
- 91848 HSIEH, T. W. Chemical feeds; urea. (Ch) Chung Kuo Nung Pao 3:25. Mar.1963. 22.5 C473
- 91849 JONG, A. DE. Calculation of feed value of roughage. (Du) Veeteelt en Zuivelber. 5(10): 377-378. Oct.1962. 49 V51
- 91850 KARLSSON, N. On the determination of volatile fatty acids (C<sub>1</sub>-C<sub>6</sub>) and lactic acid in silage and a hydroxylamine method for paper chromatographic determination of these acids with the exception of formic acid. (Sw) Stockholm. Stat. Lantbrkem. Konst. Meddel. 26: 39-51. Ref. 1964. 385 St6
- 91851 KHERA, R. C. Feeds and fodders are key to livestock development. Indian Livestock 1(3): 50-51. July/Sept.1963. 49 In23  
In India.
- 91852 KIELANOWSKI, J. Balance between protein requirement and production in the national feed supply. (Pol) Postepy Nauk Roln. 15(5):3-18. Ref. 1963. 20.5 P84
- 91853 KIRCHGESSNER, M. Minerals and growth substances in the nutrition of domestic animals. (Ge) Schweiz. Landwirt. Monh. 42(5/6):182-194. May/June 1964. 17 Sch93
- 91854 KOTTER, L., and HERRMANN, C. Influence of feeding various slaughter fats on the quality of the finished product. (Ge) Bayer. Landwirt. Jahrb. 41(2):242-248. Ref. 1964. 18 L24  
Chiefly meat production.
- 91855 KROLL, J. A contribution to the silo problem. (Ge) Forderungsdienst 12(4):109-110. Apr. 1964. 19 F75  
Silage preparation in Austria.
- 91856 KUHLE, F. What is biologically complete protein? (Ge) Chem. u. Tech. in der Landwirt. 15(1):14. 1964. 384 C4292  
In animal nutrition.
- 91857 KURELEC, V., and MENTLER, L. Silage from grain maize. (Hu) Allattenyesztes 12(4):357-369. Dec.1963. 49 AL57  
English summary.
- 91858 LAUBE, W., and WEISSBACH, F. Contribution to the methodology of silage research and the conduct of ensiling research. III. Ensiling research in plastic bags. (Ge) Z. f. Landwirt. Vers. u. Untersuchw. 10(2):155-168. 1964. 18 Z32  
English summary.
- 91859 LITTLE, C. O., MITCHELL, G. E., and BRADLEY, N. W. Rumen stimulatory factors in corn distillers dried solubles. Distill. Feed Res. Council. Conf. Proc. 19:43-49. Mar.25,1964. 389.79 C765  
Rumen microorganisms.
- 91860 MCCULLOGH, M. E. Improving the energy value of silages through controlled fermentation. Distill. Feed Res. Council. Conf. Proc. 19:12-15. Mar.25,1964. 389.79 C765
- 91861 MAGLIANO, A. Evaluation of the more common substances used as growth factors in young animals. I. (It) Riv. di Zootec. 36(9): 484-487. Sept.1963. 49 R52



- 91862 MAGLIANO, A. Research considered of the more common substances used as growth factors in young animals. II-III. (It) Riv. di Zootec. 36(11):662,664-669;(12):736-740. Nov.-Dec. 1963. 49 R52  
Includes antibiotics.
- 91863 MASON, V. C., and WEIDNER, K. The effect of heat on the amino acid, fatty acid and B-vitamin composition of fish meal. Acta Agr. Scand. 14(1):87-95. Ref. 1964. 11 Ac82
- 91864 MAY, R. W. Silage—recent developments in handling and feeding. Canad. Cattleman 27(7):22-25. July 1964. 49 C16
- 91865 MAYMONE, B., MARTINI, R. DE, and CELSO, P. M. DI. Comparative research on the digestibility and net energy content of H. S. 50 miel-mais and caragua corn fields. (It) Aliment. Anim. 8(3):113-126. Mar.1964. 389.78 AL4  
English summary.
- 91866 MENTLER, L. Influence of preparing the silage by pulping on its nutritive value. (Hu) Allattenyesztes 12(4):371-382. Dec.1963. 49 AL57  
English summary.
- 91867 MEREGALLI, A., and BORGIOI, E. Experimental studies on silage preparation of alfalfa with various preservatives. (It) Riv. di Zootec. 36(9):514-515,518-535. Sept.1963. 49 R52
- 91868 MILOS, M., and others. Contributions concerning the nutritive value of residues resulting from the vegetable canning. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:263-269. 1963. 106.4 T48  
M. Cristea, G. Nichita, V. Mazilu, and P. Halmageanu, joint authors.  
English summary.  
Feed.
- 91869 MILOS, M., and others. Contributions to the study of the stimulative effect of residues resulting from the industrial preparation on medicinal plants. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:271-279. 1963. 106.4 T48  
V. Mazilu, M. Cristea, P. Dean, I. Groza, and I. Manu, joint authors.  
English summary.  
Feed.
- 91870 MODDY, E. G. Diatomaceous earth in livestock rations. Ariz. Acad. Sci. J. 2(4):187-188. Dec.1963. 500 Ar44
- 91871 MUNK, H. On the mineral requirements and mineral supply for ruminants on pasture (literature study). (Ge) Bayer. Landwirt. Jahrb. 41(2):165-222. Ref. 1964. 18 L24
- 91872 NATIONAL LIVESTOCK FEEDERS ASSOCIATION. Resolutions adopted, annual meeting, February 14, 1964, St. Louis, Missouri. Livestock Feeder 11(6):15,22. Mar.1964. 49 L759
- 91873 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Separated milk and milk powder for stock feeding. North. Ireland. Min. Agr. L. 138,4 p. Apr.1964. 10 N81
- 91874 PALOMAR, E. Milled alfalfa. (Sp) Cult. Mod. 46(10):367. Oct.1963. 15 C89  
Nutritive value as feed.
- 91875 POLICICCHIO, L. Digestibility in vivo and computed nutritive value of horse bean fodder. (It) Prod. Anim. 2(3):265-275. Sept.1963. 49 P945  
English summary.
- 91876 POSTELNICU, D., and TEODORU, V. The effects of some fodder on the thyroid gland. (Rum) Rev. de Zooteh. si Med. Vet. 13(11):69-73. Nov.1963. 49 P943
- 91877 POZZO, E. D. A food of value in livestock feeding:alfalfa meal. (It) Riv. di Zootec. 36(11):681-684. Nov.1963. 49 R52
- 91878 PRAT, J. DE. Cobalt in the nutrition of ruminants. (Sp) Cult. Mod. 46(11):403-404. Nov. 1963. 15 C89
- 91879 PROTEINS from petroleum. Chicken 38:9,11, 13. May/June 1964. 47.8 B784  
Petroleum derivatives as feed.
- 91880 ROBERTSON, J. A. Vitamin A—a vital factor in animal production. Canad. Grain J. 20(7):11, 26. July 1964. 59.8 C16
- 91881 ROJAS MONTOYA, S. W. Carotene and vitamin A in the nutrition of domestic animals. (Sp) Agronomia [Lima] 30(1):45-53. Ref. 1963. 9.8 Ag83
- 91882 ROWETT RESEARCH INSTITUTE, ABERDEEN (SCOT.). Annual report on animal nutrition and allied sciences, vol. XIX, 1963. Aberdeen, 1963. 83 p.,map. 389.79 R79
- 91883 SCABARDI, L. Lines of a program for technical progress in livestock nutrition. (It) B. dell'Agr. 98(12):1-3. June 12,1964. 16 B87
- 91884 SCHURCH, A. On the efficiency of material and energy conversion through the farm animal. (Ge) Schweiz. Landwirt. Monh. 42(5/6):161-181. Ref. May/June 1964. 17 Sch93  
Nutrition in relation to production.
- 91885 SIROSH, P. M., NAUMOV, A. V., and RASKIN, M. M. Results of biochemical studies of feeds in Chernovtsy area. (Rus) Veterinariya 3:75-77. Mar.1964. 41.8 V6426  
Nutritive value.
- 91886 SZENTMIHALYI, S. Data on the nutritive value of pea-plants of various sorts and stage of development. (Hu) Allattenyesztes 13(1):71-83. Ref. Mar.1964. 49 AL57  
English summary.
- 91887 TANG, H. Carotene studies. (Hu) Allattenyesztes 13(1):93-98. Mar.1964. 49 AL57  
In relation to livestock nutrition.
- 91888 TIMARIU, S., and others. Preliminary research on the nutritive value of the seaweeds from the Black Sea and their use for animal and poultry feed. (Rum) Rev. de Zooteh. si Med. Vet. 13(10):23-29. Oct.1963. 49 P943  
V. Tascenco, M. Frum, and E. Calotoiu, joint authors.  
English summary.
- 91889 TOMOROGA, P., and others. Using the hybrid sorghum grains for animal and poultry feeding. (Rum) Rev. de Zooteh. si Med. Vet. 13(12):15-23. Dec.1963. 49 P943  
S. Timariu, M. Stoicesa, E. Calotoiu, D. Petcu, V. Tascenco, and M. Hornoii, joint authors.
- 91890 TRIMBERGER, G. W. Ensiling high-moisture corn grain. N. Y. State Col. Agr. (Cornell U.) Ext. Cornell Feed Serv. 58:9-10. June 1964. 275.29 N48Cf
- 91891 TROELSEN, J. E. The assessment of forage quality. Forage Notes [Ottawa] 10(1):16-20. Spring 1964. 60.8 F742
- 91892 TURNER, H. D. Feed molasses from the masonite process. Forest Prod. J. 14(7):282-284. July 1964. 99.9 F7662J
- 91893 VAN DER VEEN, J. W., and OLCOTT, H. S. Amines as potential synergists for ethoxyquin in dehydrated alfalfa. Poultry Sci. 43(3):616-617. May 1964. 47.8 Am33P
- 91894 VARLAMOV, V. A. Medicinal properties of feed yeasts. (Rus) Veterinariya 3:63-64. Mar.1964. 41.8 V6426
- 91895 VINTILA, M. Lactobacterin and the quality of ensilaged fodder. (Rum) Rev. de Zooteh. si Med. Vet. 13(10):13-22. Ref. Oct.1963. 49 P943
- 91896 WADA, H., and FUKUSHIMA, S. Estrogenic activity in soybean and its products. Jap. J. Zootech. Sci. 34(4):243-247. Ref. Sept.1963. 49 N62
- 91897 WELLERS, G. Aspects of the problem of sulfur requirements of higher animals. (Fr) Ann. de la Nutr. et de l'Aliment. 18(3,mem.orig.):19-60. Ref. 1964. 389.8 An73
- 91898 WUTH, E. Results of ensiling research with tight plastic foil. (Ge) Z. f. Landwirt. Vers. u. Untersuchw. 10(2):173-191. Ref. 1964. 18 Z32  
English summary.
- 91899 YANG, S. H. Several problems in preparing lime water for the alkalizing of straw. (Ch) Nongye Jishu 12:34-36. Dec.1962. 22.5 N929
- 91900 ZUCKER, H. Water—an important nutrient. (Ge) Tierzuchter 16(11):421-422. June 5,1964. 49 T445

## VETERINARY MEDICINE

- 91901 ALTON, G. G., and JONES, L. Laboratory techniques in brucellosis. Food & Agr. Organ. United Nations. Anim. Health Br. Monog. 7,47 p. Ref. 1963. 41.9 F732An

- 91902 ANGHI, CS. Informative data on the semi-domesticated mammals of Mongolia. (Hu) *Allat-tenyesztes* 13(1):85-92. Mar.1964. 49 AL57  
English summary.  
Anatomy and physiology.
- 91903 ANTONOV, S. Compleximetric determination of calcium in urine of ruminants. (Bu) *Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zookhig. Izv.* 3:187-190. 1963. 41.9 B874  
German summary.
- 91904 ARZUMANYAN, E. A., and SLESAREVA, E. N. Methods for determination of volume and strength of skeleton of domestic animals. (Rus) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok.* 90:63-68. 1963. 20 M857
- 91905 ATANASIU, P., LEPINE, P., and DRAGONAS, P. Kinetics of rabies virus in tissue cultures, with reference to fluorescent antibodies and electron microscope study of ultrathin sections. (Fr) *Inst. Pasteur. Ann.* 105(5):813-824. Ref. Nov.1963. 448.3 An75  
English summary.
- 91906 BARBU, E., QUASH, G., and DANDEU, J. P. Specificity of the antibodies anti-RNA. (Fr) *Inst. Pasteur. Ann.* 105(5):849-865. Ref. Nov. 1963. 448.3 An75  
English summary.  
Includes domestic animals.
- 91907 BARDENS, J. W. Use of Metofane (methoxy-flurane) anesthetic in small animal practice. *Allied Vet.* 36(3):69-74. May/June 1964. 41.8 AL5
- 91908 BEESON, W. M. Effect of nitrates on animal metabolism. *Distill. Feed Res. Council. Conf. Proc.* 19:16-25. Ref. Mar.25,1964. 389.79 C765
- 91909 BENDTSEN, H. Centrifugation of thawing liquids—principal and possible fields of application. (Da) *Nord. Vetmed.* 16(6):545-550. June 1964. 41.8 N813  
English summary.  
Serum and whey.
- 91910 BENSON, B. L. Photosensitivity. *Sowest. Vet.* 16(4):303-305. Ref. Summer 1963. 41.8 So82
- 91911 BENTZ, H., and KLAUS, H. Thoughts on further development in toxicology in the German Democratic Republic. (Ge) *Monh. f. Vetmed.* 19(10):366-370. May 15,1964. 41.8 M742
- 91912 BHATIA, H. M. Animal diseases are losing ground. *Indian Livestock* 1(3):8,54. July/Sept. 1963. 49 In23
- 91913 BLAIR-WEST, J. R., and others. The regulation of electrolyte metabolism of ruminant animals in arid zones. *United Nations Educ. Sci. & Cult. Organ. Arid Zone Res.* 24:289-299. Ref. 1964. 278.9 Un3  
E. Bott, J. Coghlan, D. A. Denton, J. R. God- ing, M. Wintour, and R. D. Wright, joint au- thors.
- 91914 BOHME, G. Sex diagnosis on the basis of nu- cleus morphology and its theoretical princi- ples; summary review. (Ge) *Deut. Tierarztl. Wchnschr.* 71(10):277-281. (Cont.) May 15, 1964. 41.8 D482
- 91915 BOSH'YAN, G. M. Treatment of trichophytosis with muriatic solution of iodine chloride. (Rus) *Veterinariya* 3:32-33. Mar.1964. 41.8 V6426
- 91916 BRETH, F. E. Can strongyles adapt them- selves to phenothiazine? (Fr) *Rev. de l'Elevage* 19(6/7):743-744. June/July 1964. 49 B462
- 91917 BRILL, J., and POLITYNSKA, E. Phage typing of *Erysipelothrix insidiosa* strains. (Ge) *Wien. Tierarztl. Monschr.* 1964(spec.no.):111-112. 41.8 T345  
English summary.
- 91918 BRION, A. Subcutaneous and intramuscular in- jections. (Fr) *Rev. de l'Elevage* 19(6/7):737-738,740-741,743. June/July 1964. 49 B462
- 91919 BROWN, D. G. The early effect of ionizing radiation on large animals. *M. S. U. Vet.* 24(3): 127-133. Spring 1964. 41.8 M582
- 91920 BRUCE, H. The language of odour. *Discovery* 25(5):19-22. May 1964. 474 D63  
Pregnancy and sex behaviour studies in ani- mals.
- 91921 BRUYERE, P., and LASOIE, L. Theoretic introduction to veterinary radiology. (Fr) *Ann. de Med. Vet.* 108(2):63-100. Ref. Mar.1964. 41.8 An78  
X-rays.
- 91922 BUCZEK, J. Attempts at using extracts from various animal and vegetable tissues as culture media for bacteria. (Pol) *Lublin. U. Marii Curie-Sklodowskiej. Ann. Sect. DD.* 17:191-200. 1962, pub. 1964. 512 L96Ad  
English summary.
- 91923 BUKOWSKI, K. Differentiation of mucoid *Pas- teurella multocida* strains by decapsulation tests with testicular hyaluronidase and hyalu- ronidase produced by *Erysipelothrix insidiosa*, grouping of hyaluronidase-sensitive, and hya- luronidase-refractory, strains. (Ge) *Wien. Tierarztl. Monschr.* 1964(spec.no.):220-221. 41.8 T345
- 91924 BURDELEV, T. E., and AKULIN, N. A. Meth- ods for determination of toxicity of feed con- taminated by *Fusarium*. (Rus) *Moskov. Orde- na Lenina Sel'skokhoz. Akad. im. K. A. Ti- miryazeva. Dok.* 90:252-255. 1963. 20 M857  
Grain.
- 91925 CANADIAN VETERINARY MEDICAL ASSOCIA- TION. Abstracts of papers to be presented at the 16th annual meeting. *Canad. Vet. J.* 5(7): 172-176. July 1964. 41.8 R3224
- 91926 CORNELISSE, J. L. The occurrence of a *Mycobacterium* in the crystal-violet solution used in the modified Gram staining method. (Du) *Tijdschr. v. Diergeneesk.* 89(11):770-775. June 1,1964. 41.8 T431  
English summary.
- 91927 DEAN, D. J. Rabies in New York State—1963. *Vet. News* 28(2):6, map. Mar./Apr.1964. 41.8 V6491
- 91928 DELCLOS, G. Present state of knowledge on the persistence of foot and mouth virus in meat and animal products. (Fr) *RTVA* 2(10):53. Jan./Feb.1963. 50.8 R322
- 91929 DIMITROV, S. Pharmacological studies on the spasmolytic and hypotensive effect of the alka- loids of *Nuphar luteum*. (Bu) *Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zookhig. Izv.* 3:73-81. 1963. 41.9 B874  
German summary.
- 91930 DIXON, K. E. Excystment of metacercariae of *Fasciola hepatica* L. in vitro. *Nature [London]* 202(4938):1240-1241. June 20,1964. 472 N21
- 91931 DOLLAHITE, J. W. Ergotism produced by feeding *Claviceps cinerea* growing on tobosa- grass (*Hilaria mutica*) and galletagrass (*Hilaria jamesii*). *Sowest. Vet.* 16(4):295-297. Ref. Summer 1963. 41.8 So82  
Cattle, sheep and goat.
- 91932 DOLLAHITE, J. W. Toxic range plants of Texas. *Sowest. Vet.* 17(1):19-23, map. Fall 1963. 41.8 So82
- 91933 DONOVAN, J. F. 1964 legislation. *Vet. News* 28(2):3-5. Mar./Apr.1964. 41.8 V6491  
New York.
- 91934 DRAGANOV, M., and PEICHEV, B. The influ- ence of low temperatures on the activity of some anatoxic and antitoxic biopreparations. (Bu) *Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv.* 8:63-66. 1963. 41.9 So2  
English summary.
- 91935 DZASOKHOV, G. S. Epizootiological classifi- cation of protozoan diseases of animals. (Rus) *Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy* 28:34-39. Ref. 1963. 41.9 R923  
French summary.
- 91936 ENICK, K., FRIEDHOFF, K., and WIRAHADI- REDJA, S. On the host specificity of *Babesia motasi* and *Babesia ovis* (Piroplasmidea). (Ge) *Z. f. Parasitenk.* 24(3):309-318. Ref. May 15, 1964. 442.8 Z33F  
Includes livestock.
- 91937 ENICK, K., FRIEDHOFF, K., and WIRAHADI- REDJA, S. Susceptibility of domestic and wild ruminants to *Theileria ovis* (Piroplasmidea). (Ge) *Z. f. Parasitenk.* 24(3):276-287. Ref. May 15,1964. 442.8 Z33F  
English summary.



- 91938 ERK, N. World veterinary education. (Tu) Ankara U. Vet. Fakul. Dergisi 10(2):115-142. 1963. 41.9 An4D  
English summary.
- 91939 EVDOKIMOV, E. S. Effect of solar radiation on biomycin preparations. (Rus) Kolkhoz.-Sovkhoz. Proizvodstvo Turkmenistana 11:26-27. Nov.1963. 20 Se4982  
Biovetin and biovit.
- 91940 FARIAS, M. T., and GUERREIRO, M. G. Multiplication of foot-and-mouth disease virus in renal cells of cattle, its titration and antigen effect. (Por) Dipan 15(130):17-19. 1963. 41.9 R473
- 91941 FORSCHNER, E. Antibiotics in the organs of slaughter animals. (Ge) Arch. f. Lebensmtl-hyg. 13(10):242-246. Ref. Oct.20,1962. 41.8 L49
- 91942 FRICK, E. J. Financial success for veterinarians. Sowest. Vet. 17(1):51. Fall 1963. 41.8 So82
- 91943 FRITZSCHE, W. Lecture: Plant protection for veterinarians? (Ge) Gesunde Pflanzen 15(12):232-233. Dec.1963. 464.8 G33  
English summary.
- 91944 FRYC, J. Strophanthin in the treatment of animals. (Pol) Med. Weter. 20(6):360-363. June 1964. 41.8 M463  
English summary.  
In heart diseases.
- 91945 FUROWICZ, A. Serotypes 0111:B4, 055:B5, 026:B6 Escherichia coli in animals in Katowice province. (Pol) Med. Weter. 20(5):270-272. Ref. May 1964. 41.8 M463
- 91946 GALINDO, A. Disease control in livestock. (Sp) Cult. Mod. 46(10):371-372. Oct.1963. 15 C89
- 91947 GALLINA, L. The gastric digestion of ruminants. (It) Gior. di Agr. 74(22):221-222. May 31,1964. 16 It1G
- 91948 GEDDERT, H. Tierarzte-Adressbuch fur die Deutsche Bundesrepublik und West-Berlin [Veterinary directory for the German Federal Republic and West Berlin]. Ed. 4. Hannover, 1963. 452 p. 225 Ad83
- 91949 GERZYMISCH, H. A contribution to epidemic hygiene in waste water utilization. (Ge) Monh. f. Vetmed. 19(9):343-350. Ref. May 1,1964. 41.8 M742  
Bacterial study.
- 91950 GIBBONS, W. J. Diagnostic procedures. Sowest. Vet. 17(2):105-107. Winter 1964. 41.8 So82
- 91951 GIERLOFF, B. C. H., and MOSLET, U. Native virus and re-animalized virus as component parts of culture virus vaccines against foot-and-mouth disease. Nord. Vetmed. 16(6):505-511. Ref. June 1964. 41.8 N813
- 91952 GILL, B. S., CHHABRA, M. B., and LALL, N. B. A new species of Coccidium—Eimeria bareillyi n. sp., from buffaloes. Arch. f. Protistenk. 106(4):571-574. Aug.31,1963. 439.8 Ar2
- 91953 GORET, P., and PROVOST, A. Virus infection of the cell. I. The interference phenomenon. (Fr) Rec. de Med. Vet. 140(5):329-349. May 1964. 41.8 R24  
Includes veterinary application.
- 91954 GORZHKOVSKAYA, S. I. Dezinfektsiya v usloviyakh veterinarnoi praktiki [Disinfection in veterinary practice]. Moskva, Vysshaya Shkola, 1963. 360 p. 41 G682
- 91955 GOULD, C. M. A subject fit for speculation. Vet. Rev. 14(3):71-76. Mar.1963. 41.8 V6466  
Veterinary practice and disease and pregnancy diagnosis.
- 91956 GRAU, H. The lymphocyte and the outside world. (Ge) Zentbl. f. Vetmed. Reihe A, 11(4):333-342. Ref. June 1964. 41.8 Z5  
English summary.
- 91957 GRUNEBERG, H. The pathology of development; a study of inherited skeletal disorders in animals. Oxford, Blackwell, 1963. 309 p. Ref. 442 G922
- 91958 HALL, W. T. K. Plant toxicoses of tropical Australia. Austral. Vet. J. 40(4):176-182. Ref. Apr.1964. 41.8 Au72
- 91959 HANSARD, S. L. Total body water in farm animals. Amer. J. Physiol. 206(6):1369-1372. Ref. June 1964. 447.8 Am3
- 91960 HARRIS, W. F. Clinical syndromes of three common convulsants. Sowest. Vet. 17(3):214-217. Spring 1964. 41.8 So82  
Strychnine, sodium fluoroacetate and toxaphene.
- 91961 HAUKE, H., and SCHONHERR, W. Milk sanitation service in the GDR; a discussion on its necessity, legal bases, methods and problems. (Ge) Monh. f. Vetmed. 19(6):208-211. (Concl.) Ref. Mar.15,1964. 41.8 M742  
By veterinarians.
- 91962 HENDE, C. VAN DEN, OYAERT, W., and BOUCKAERT, J. H. The metabolism of amino acids by rumen bacteria. Inst. pour l'Encour. de la Rech. Sci. dans l'Indus. et l'Agr. Compt. Rend. de Rech. 31:67-106. Ref. Dec.1963. 330.9 In7C
- 91963 HENDERICKX, H., and MARTIN, J. In vitro study of the nitrogen metabolism in the rumen. Inst. pour l'Encour. de la Rech. Sci. dans l'Indus. et l'Agr. Compt. Rend. de Rech. 31:7-66. Ref. Dec.1963. 330.9 In7C
- 91964 HERRICK, J. B. Herd health management problems. Sowest. Vet. 17(2):97-100. Winter 1964. 41.8 So82
- 91965 HUGHES, D. R. A survey of internal parasites of domestic animals in the United States. Sowest. Vet. 16(4):291-293. Summer 1963. 41.8 So82
- 91966 HUSSEL, L. The development of the Abteilung fur Tropen-Veterinarhygiene. (Ge) Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed. 1(1):129-130. 1963. 26 L53  
Of Karl-Marx-Universitat, Leipzig.
- 91967 IMAIZUMI, K. Zoonoses; diseases transmissible from animals to man. (Ja) Japan Vet. Med. Assoc. J. 17(1):7-10; (2):5-9. 1964. 41.9 J275
- 91968 ITO, S., and others. Immunofluorescent staining of Toxoplasma in host cells. Tokyo. Natl. Inst. Anim. Health. Q. 4(1):40-50. Ref. Spring 1964. 41.9 T575Q  
K. Suzuki, T. Suto, and J. Fujita, joint authors.
- 91969 IVANOV, I., and SOROKIN, P. Comparative investigations on the amino acid composition of Listeria monocytogenes and Erysipelothrix insidiosa. (Bu) Akad. Selsk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:41-44. 1963. 41.9 So2  
English summary.
- 91970 JAARTSVELD, F. H. J., KURINGEN, H. C. VAN, and WERVEN, E. VAN. A multi-pipet used in serological mass investigation. (Du) Tijdschr. v. Diergeneesk. 89(10):706-709. May 15,1964. 41.8 T431  
English summary.
- 91971 JOLLY, D. W. Veterinarian and experimental medicine. UFAW Cour. 20:7-12. Winter 1963. 48.8 Uf1
- 91972 JOUBERT, L., and TUAILLON, P. Cell culture of zoophilous viruses. (Fr) Cahiers des Ingen. Agron. 182:7-19. Jan.1964. 14 C112
- 91973 JUNGEMAN, P. F., GRUMBLES, S. L. C., and GUILLOT, L. P. Identification of Clostridium species with fluorescent antibody techniques. Sowest. Vet. 17(2):131-134. Ref. Winter 1964. 41.8 So82
- 91974 KAMINSKI, M., and GAJOS, E. Some problems of serology. (Pol) Med. Weter. 20(5):300-303. May 1964. 41.8 M463  
Chiefly serological tests.
- 91975 KARG, H. Use of hormones in animal rearing and endocrine testes function. (Ge) Tierärztl. Umschau 19(6):292-296. June 1,1964. 41.8 T445
- 91976 KEMLER, A. G. Veterinary medicine in Texas 1944-1963. Sowest. Vet. 17(3):202-204. Spring 1964. 41.8 So82  
Practice.
- 91977 KIELSTEIN, P. Epidemiology and pathogenesis of trichophytosis under special consideration of veterinary and human medicine literature. (Ge) Monh. f. Vetmed. 19(5):174-180. Ref. Mar.1, 1964. 41.8 M742

- 91978 KIRCHER, A. The inspection of dairies from veterinarian aspect. (Ge) Tierärztl. Umschau 19(6):300,305-307. June 1, 1964. 41.8 T445
- 91979 KNOWLES, J. O. Responsibility of a veterinarian to his clients. Canad. Vet. J. 4(12):311-313. Dec. 1963. 41.8 R3224
- 91980 KNOX-SEITH, B. Rabies. (Da) Dansk Pelsdyravl 27(5):279-280. May 20, 1964. 41.2.628 D23  
Control.
- 91981 KOKLES, R., and WITTMANN, W. Some problems in rabies diagnostic experiments with special consideration to Muromzev's staining method. (Ge) Monh. f. Vetmed. 19(1):18-22. Ref. Jan. 1, 1964. 41.8 M742
- 91982 KOSSAKOWSKI, S. The metabolism of radioactive nuclides of iodine-131, caesium-137 and strontium-90 in animal organisms. I-II. (Pol) Med. Weter. 20(5):257-263; (6):321-327. Ref. May-June 1964. 41.8 M463  
II, a review of literature.
- 91983 KRATOCHVIL, J. Hormones of reindeers. (No) Fjell-Nytt 5(1):10-14. (Cont.) Feb. 1964. 41.0 F58
- 91984 KUDLAC, E. Some experiences from veterinary education and research on the field of reproduction in farm animals in USSR. (Cz) Veterinarstvi 14(5):214-219. May 1964. 41.8 V6439  
Includes breeding diseases and the use of artificial insemination.
- 91985 KUEHN, H. R. Public relations and the professional society. M. S. U. Vet. 24(3):116-122. Spring 1964. 41.8 M582
- 91986 KUPPER, G. T 61 even for large animals. (Ge) Blauen H. f. den Tierarzt 1:27-28. 1964. 41.9 B61  
Painless slaughtering.
- 91987 LACTER, Antibiotics and animal production. (Sp) Cult. Mod. 46(11):405-407. Nov. 1963. 15 C89  
In medicine and dietetics.
- 91988 LAFONTAINE, A., and others. Brucellosis of veterinarians. (Fl) Vlaams Diergeneesk. Tijdschr. 32(12):356-360. Dec. 1963. 41.8 V84  
P. Andre, E. van Oye, J. Thomas, and A de Berdt, joint authors.  
English summary.
- 91989 LAMMLER, G. Experimental chemotherapy of trematode infections and their problems. I. (Ge) Z. f. Tropmed. u. Parasitol. 15(1):95-123. Apr. 1964. 44.8 Z37  
Includes livestock.
- 91990 LEAO, R. L. Chronic verminous gastroenteritis of ruminants (trichostrongylosis). (Por) Rural 44(517):42-44. May 1964. 9.2 B733
- 91991 LEAO, R. L. Eimerioses. I. (Por) Rural 43(511):18-20. Nov. 1963. 9.2 B733  
Literature survey.
- 91992 LEAO, R. L. Eimerioses. II. (Por) Rural 43(512):12-14. Dec. 1963. 9.2 B733  
Literature survey.
- 91993 LEAO, R. L. Eimerioses. III. (Por) Rural 44(513):16-18. Jan. 1964. 9.2 B733  
Literature review.
- 91994 LODGE, R. W. Plants poisonous to livestock. Canad. Vet. J. 4(12):314-316. Dec. 1963. 41.8 R3224
- 91995 LONG, E. M. Blood analysis as an aid in diagnosis and treatment. Sowest. Vet. 17(2):135-138. Winter 1964. 41.8 So82
- 91996 LUDERS, H., and DIAMANTSTEIN, T. Stress tolerance and environment. (Ge) Tierzuchter 16(10):353-354. May 20, 1964. 49 T445  
English summary.
- 91997 LUTYNSKI, W. Regulations concerning veterinary services issued in 1963. (Pol) Med. Weter. 20(5):303-307. May 1964. 41.8 M463
- 91998 MARKOV, A. A. Theileriasis (gonderiasis). (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:9-30. Ref. 1963. 41.9 R923  
French summary.  
Control in ruminants; includes names of organisms and ticks as vectors.
- 91999 MARSHALL, A. E. A guide to clinical bacteriological procedures. Sowest. Vet. 16(4):281-285. Summer 1963. 41.8 So82
- 92000 MASIC, M. Problems concerning the ecology of Aujeszky's disease. (Ge) Wien. Tierarztl. Monshr. 1964(spec.no.):227-232. Ref. 41.8 T345  
English summary.
- 92001 MAY, C. P. Veterinarians and their patients. New York, Nelson, 1964. 240 p. Ref. 41 M456
- 92002 MENDIETA M., J. R. Hair balls. (Sp) Tierra [Mexico] 18(12):962-963. Dec. 1963. 8 T445  
In ruminants.
- 92003 MISHRA, A., and PATRA, B. N. These plants are animal killers; farmers must know how to handle poison cases. Indian Livestock 1(3):12-13. July/Sept. 1963. 49 In23
- 92004 MOCSY, J. Prevention of bloat of ruminants. (Hu) Magyar Mezogazdasag 19(26):23-24. June 24, 1964. 19 M27
- 92005 MONTAL, T. Modern animal therapeutics. (Sp) Cult. Mod. 47(4):132. Apr. 1964. 15 C89  
Drugs.
- 92006 MOUR, K. Animal health—the basis of fertility. (Cz) Veterinarstvi 14(5):219-221. May 1964. 41.8 V6439  
In Czechoslovakia.
- 92007 MULHERN, F. J. The total approach to disease eradication. Natl. Wool Grower 54(7):14-16, 28, map. July 1964. 45.8 N21N  
Special emphasis on sheep diseases.
- 92008 MUNRO, H. N., and ALLISON, J. B., ed. Mammalian protein metabolism, volume I. New York, Acad. Press, 1964. 566 p. 386.2 M92  
Chapters by H. N. Munro, C. Gitler, A. T. Phillipson, H. N. Christensen, H. A. Krebs, A. Korner, A. Neuberger, F. F. Richards, A. S. McFarlane, J. H. Leatham, J. B. Allison, and J. W. C. Bird.
- 92009 NACHEV, B., NIKOV, S., and LALOV, KH. Klinichno-laboratorna diagnostika vuv veterinarnata meditsina [Clinical and laboratory diagnosis in veterinary medicine]. Ed. 2, enl. Sofiya, Zemizdat, 1963. 408 p. 41 N11K
- 92010 NAGORSKI, F. Blood proteins and their importance in domestic animal organisms. (Pol) Med. Weter. 20(6):369-371. Ref. June 1964. 41.8 M463
- 92011 NASHKOV, D., and NASHKOVA, O. Metabolic aspect of allergy. IV. Desaminization of some amino acids in the liver of sensitized animals. (Bu) Akad. Selsk. Nauk, Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:49-53. Ref. 1963. 41.9 So2  
English summary.
- 92012 NASHKOVA, O., and GANOVSKA, M. On the complement-fixing antigen of Mycobacterium tuberculosis. (Bu) Akad. Selsk. Nauk, Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:117-120. Ref. 1963. 41.9 So2  
English summary.
- 92013 NEDYALKOV, S., OBRESHKOV, K., and BOYADZHIEV, S. A study on the receptivity and immunity of some species of animals towards the virus of Aujeszky's disease. (Bu) Akad. Selsk. Nauk, Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:87-97. Ref. 1963. 41.9 So2  
English summary.
- 92014 NEW YORK STATE VETERINARY COLLEGE, DEPT. OF PHYSICAL BIOLOGY. Fission product metabolism and response in laboratory and domestic animals and planning study for evaluation of radioactive contamination of the food chain; progress report, 1961/1962. Ithaca, 1963. 55 p. (U. S. Atomic Energy Commission TID 14780) 444.9 N482
- 92015 NIEMIAHO, A. Internal parasites found in slaughter animals. (Fi) Suomen Elainlaakari-lehti 70(6):230-236. June 1964. 41.8 F49
- 92016 NIKOLIC, M. Biological potency testing of rabies vaccines. (Ge) Wien. Tierarztl. Monshr. 1964(spec.no.):46-50. Ref. 41.8 T345  
English summary.
- 92017 NOMM, E. Concerning the epizootological situation in the Estonian S.S.R. (Es) Estonskaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov 30:35-43. 1963. 106 Es83  
English summary.



- 92018 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Hoose (or "husk"). North. Ireland. Min. Agr. L. 80,4 p. May 1964. 10 N81
- 92019 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Parasitic worm diseases of farm livestock. North. Ireland. Min. Agr. L. 91,4 p. Dec.1963. 10 N81
- 92020 OBRESHKOV, K. A study on toxin formation in *Clostridium perfringens* types B, C and D. (Bu) Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:55-61. Ref. 1963. 41.9 So2  
English summary.
- 92021 OGIMOTO, K., and SUTO, T. Bacteria producing propionic acid in the rumen. I. Isolation of *Veillonella alcalescens* from the alimentary tract of ruminants and its decarboxylation of succinic acid. (Ja) Jap. J. Zootech. Sci. 34(4): 282-287. Sept.1963. 49 N62  
English summary.
- 92022 OLSEN, M. L. Clinical significance of osteogenic research. Sowest. Vet. 17(2):101-103. Winter 1964. 41.8 So82
- 92023 ON THE veterinary profession of South Africa. (Ge) Prakt. Tierarzt 45(6):289-290. (Cont.) June 1,1964. 41.8 P882
- 92024 OSBURN, M. W. Guard against rabies. Kans. State U. Agr. Ext. L. 162,6 p.-folder. Apr.1964. 275.29 K13Le
- 92025 PARIS. CENTRE NATIONAL DE COORDINATION, DES ETUDES ET RECHERCHES SUR LA NUTRITION ET L'ALIMENTATION. The digestion of ruminants. (Fr) Ann. de la Nutr. et de l'Aliment. 18(3, reviews):71-127. Ref. 1964. 389.8 An73  
Report of discussion.
- 92026 PASHUK, V. P. Classification of nidi of trichinosis. (Rus) Minsk. Belaruskaya Akad. Navuk. Vestsi. Ser. Biyal. Navuk 4:137-139. Ref. 1963. 442.8 M66  
Transmission.
- 92027 PAVLOV, P. State of the problem of piroplasmosis. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:31-33. 1963. 41.9 R923  
French summary.
- 92028 PETUKHOVSKII, A. A. Coordination of the control of rodents in towns. (Rus) Veterinariya 3:80-81. Mar.1964. 41.8 V6426  
Between public health and veterinary services.
- 92029 POLATNICK, J., and BACHRACH, H. L. Production and purification of milligram amounts of foot-and-mouth disease virus from baby hamster kidney cell cultures. Appl. Microbiol. 12(4):368-373. July 1964. 448.3 Ap5
- 92030 PRINE, J. R. Exposure meter for photomicrography. Sowest. Vet. 17(4):292. Summer 1964. 41.8 So82
- 92031 PRITCHARD, W. R. The years of decision: open doorway to tomorrow. Vet. Econ. 5(5):17-20. May 1964. 41.8 V6458  
Opportunities offered by the veterinary profession.
- 92032 PRYNN, R. B. Electroencephalography in clinical veterinary medicine. M. S. U. Vet. 24(3): 100. Spring 1964. 41.8 M582
- 92033 RAMISSE, J., YALCIN, N., and MORAILLON, P. Remarks on the diagnosis of colibacillary infections of the newborn; use of the antibiogram and typing the serum of strains of colibacilli. (Fr) Rec. de Med. Vet. 140(5):351-358. Ref. May 1964. 41.8 R24  
English summary.
- 92034 RAMISSE, J. Toxicogenicity of *Welchia agni* (perfringens B); importance of the glucide factor. (Fr) Rev. de Med. Vet. [Toulouse] 114(6):428-431. June 1963. 41.8 R32
- 92035 RAPIC, S. Aristotle and veterinary medicine. (Se) Vet. Arh. 33(1/2):37-56. Ref. 1963. 41.8 V6416  
English summary.
- 92036 REUTER, H. The participation of veterinarians in the increase of animal production. (Ge) Monh. f. Vetmed. 19(8):281-282. Apr.15,1964. 41.8 M742
- 92037 RICHTER, W. Tasks and situation of veterinary affairs in the Potsdam district in relation to increasing animal production. (Ge) Veterinarwesen 2(5),4 p. In Monh. f. Vetmed. 19(5). Mar.1,1964. 41.8 M742  
Health services.
- 92038 ROHRER, H. Actual state of knowledge on multiplication of foot-and-mouth disease virus. (Ge) Wien. Tierarztl. Monshr. 1964(spec.no.): 31-37. 41.8 T345  
English summary.
- 92039 ROHRER, H. Foot-and-mouth disease cases in the German Democratic Republic in 1962/63. (Ge) Monh. f. Vetmed. 19(6):201-208. Mar.15, 1964. 41.8 M742
- 92040 ROLLINSON, D. H. L. The work of the British bureau for animal hygiene and health. (It) Allevatore 19(50):7. Dec.15,1963. 49 AL55  
The Animal Health Trust.
- 92041 ROSENFELD, I., and EPPSON, H. F. Metabolic effects and metabolism of selenium in animals. Wyo. Agr. Expt. Sta. B. 414,64 p. Ref. Apr.1964. 100 W99  
Includes toxicity.
- 92042 ROWINSKI, P. Physiological factors in rearing of meat animals. I-II. (It) Riv. di Zootec. 36 (10):583-594; (12):710-720. Oct.,Dec.1963. 49 R52
- 92043 RUCINSKI, T. Blood corpuscles in the sedimentation of red blood corpuscles. (Pol) Lublin. U. Marii Curie-Sklodowskiej. Ann. Sect. DD, 17:151-170. Ref. 1962, pub.1964. 512 L96Ad  
English summary.  
Horses, cattle, swine.
- 92044 RUCKEBUSCH, Y. The respiratory tract in veterinary therapeutics. (Fr) Rev. de Med. Vet. [Toulouse] 114(6):432-447. June 1963. Ref. 41.8 R32  
English summary.  
Administration of drugs.
- 92045 RYAN, W. E. The years of decision: the expanding role of the young veterinarian in industry. Vet. Econ. 5(5):46-49. May 1964. 41.8 V6458
- 92046 SAVOV, N., SOROKIN, P., and KALUCHEVA, I. Investigations of various mycobacteria isolated from animals which have reacted to tuberculin. (Bu) Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:17-24. Ref. 1963. 41.9 So2  
English summary.  
Mycobacterium tuberculosis.
- 92047 SCHAUMANN, W. On the origin of disposition to disease and the development of the healing process in agriculture. 1-2. (Ge) Lebendige Erde 5:193-199; 6:242-245. Sept./Oct.-Nov./Dec.1963. 18 L49  
Soil-plant-animal relations.
- 92048 SCHIRMEISEN, D. The veterinary conscience. (Ge) Prakt. Tierarzt 45(6):287-289. June 1, 1964. 41.8 P882
- 92049 SEIDEL, G., and KIND, H. On Salmonella smear infections. (Ge) Monh. f. Vetmed. 19 (7):262-267. Apr.1,1964. 41.8 M742  
Studies in slaughterhouses on meat from various animals.
- 92050 SHARMA, V. D. Pelvimetry in camel (*Camelus dromedarius*). Indian Vet. J. 41(3):212-215. Ref. Mar.1964. 41.8 In2
- 92051 SHARMA, V. D. Sutural bone in the pelvis of camel. Indian Vet. J. 41(5):347-349. May 1964. 41.8 In2
- 92052 SHMULEVICH, A. I., POVAROVA, L. M., and KHITENKOVA, L. P. Medicinal and prophylactic properties of azidin in the case of Haemosporida of domestic animals and experimental trypanosomiasis of laboratory animals. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:238-242. 1963. 41.9 R923  
French summary.
- 92053 SIMMONS, J. The mechanism of cardiac murmurs. Sowest. Vet. 17(2):139-141. Winter 1964. 41.8 So82
- 92054 SIPPEL, W. L. Vaccination of animals is stressed. Fla. Cattleman & Livestock J. 28(9): 80-81. June 1964. 43.8 F66

- 92055 SLESINGER, L. Bilirubin and nonbilirubin pigment content in the serum of healthy and sick domestic animals. (Pol) *Med. Weter.* 20(5): 293-296. Ref. May 1964. 41.8 M463
- 92056 SLYTER, L. L., NELSON, W. O., and WOLIN, M. J. Modification of a device for maintenance of the rumen microbial population in continuous culture. *Appl. Microbiol.* 12(4):374-377. July 1964. 448.3 Ap5  
Veterinary laboratory equipment.
- 92057 SNYDER, W. E. Veterinary medical photography. *Vet. Scope [Kalamazoo]* 9(1):12-15. 1964. 41.8 Up4
- 92059 SOUTH HOLLAND (PROVINCE) PROVINCIALE GEZONDHEIDSDIENST VOOR DIEREN. Zeventiende Jaarverslag [Seventeenth annual report], 1962/63. n.p., 1963. 73 p. 41.9 H71
- 92059 SPALDING, V. T. The problem of scours in farm animals. *Agr. & Vet. Chem.* 5(2):30-32. Mar./Apr. 1964. 382 Ag82
- 92060 SPORRI, H., and ZEROBIN, K. Physiology and method for lung function test. (Ge) *Tierärztl. Umschau* 19(6):285-288, 291-292. Ref. June 1, 1964. 41.8 T445
- 92061 STANKUSHEV, KH. The effect of temperature, humidity and access of air on the toxin formation degree in some microscopic fungi. (Bu) *Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zookhig. Izv.* 3:141-147. Ref. 1963. 41.9 B874  
German summary.  
In relation to livestock poisoning.
- 92062 STANKUSHEV, KH. Studies on the mycoflora of corn during storage. (Bu) *Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zookhig. Izv.* 3:123-134. Ref. 1963. 41.9 B874  
German summary.  
Includes pathogenic fungi to livestock.
- 92063 STEFANIAK, B. Methods of determination of doses of drugs and poisons (ED<sub>50</sub> and LD<sub>50</sub>). (Pol) *Med. Weter.* 20(5):284-291. Ref. May 1964. 41.8 M463
- 92064 STEPANISHCHEVA, Z. G. Characteristics of the course of dermatomycoses in humans and animals. (Rus) *Veterinariya* 3:30-31. Mar. 1964. 41.8 V6426
- 92065 STOCK, J. VAN DER. A simple and improved micro-agarelectrophoretic technique applied to the separation of animal serum proteins. (Fl) *Vlaams Diergeneesk. Tijdschr.* 32(12):345-355. Ref. Dec. 1963. 41.8 V84  
English summary.
- 92066 STOICHEV, S., and RIBAROV, B. Studies of the qualities of Aujeszky's virus—Bucharest strain, adapted on chick embryos. (Bu) *Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv.* 8:81-86. 1963. 41.9 So2  
English summary.
- 92067 SUBA, M. Comments on bonus-system in veterinary service. (Cz) *Veterinarstvi* 14(5): 233. May 1964. 41.8 V6439
- 92069 SVENSSON, R. Cultivation of some intestinal protozoa in intestinal contents media. *Arkiv f. Zool.* 16(2):179-188. 1963. 410.9 Sv22  
Includes livestock.
- 92069 SZABO, I. Preliminary experiments on reduction of decomposition speed of urea. (Hu) *Al-lattenyesztes* 12(4):383-388. Ref. Dec. 1963. 49 AL57  
English summary.  
In the rumen.
- 92070 TALOS, V., BOTAREL, S., and BUNAIN, P. Contributions on the treatment of wounds with sulphamidated blood. (Rum) *Bucharest. Inst. Agron. Timisoara. Lucrari Sti.* 6:339-343. 1963. 106.4 T48  
English summary.  
Veterinary medicine.
- 92071 TIEWS, J. Interrelationship between mineral and vitamin supply. (Ge) *Tierzuchter* 16(10): 347-348. May 20, 1964. 49 T445  
English summary.
- 92072 TIZZONI, E. Investigations on the nutritive value of the contents of the rumen. (It) *Riv. di Zootec.* 36(11):676-680. Nov. 1963. 49 R52
- 92073 TODOROV, T. Behaviour of *Brucella* toward potassium tellurite. (Bu) *Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv.* 8:45-47. 1963. 41.9 So2  
English summary.
- 92074 TODOROV, T. Fermentation activity of *Brucella*. (Bu) *Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv.* 8:5-10. Ref. 1963. 41.9 So2  
English summary.
- 92075 TODOROV, T. Pouchvaniya vurkhu brutselite i opit za klasifikatsiyata im [Studies of brucellae and tentative classification of them]. *Sofiya, Izdatel'stvo na Bulgarskata Akademiia na Naukite*, 1963. 112 p. Ref. 41 T562  
French summary.
- 92076 TOKOBAEV, M. M. Mollusca of Kirghizia as hosts of helminths of domestic and wild animals. (Rus) *Akad. Nauk Kirgizskoi SSR. Izv. Ser. Biol. Nauk* 4(5):117-123. Ref. 1962. 442.9 Ak123
- 92077 TOMOV, A. The treatment of livestock experimentally poisoned with nitrites. (Bu) *Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zookhig. Izv.* 3:149-155. 1963. 41.9 B874  
German summary.
- 92078 TOURTELLOTTE, M. E., MOROWITZ, H. J., and KASIMER, P. Defined medium for *Mycoplasma laidlawii*. *J. Bact.* 88(1):11-15. Ref. July 1964. 448.3 J82
- 92079 TREFILOV, A. A. Veterinary service stations of the country are getting new instruments, apparatus and devices. (Rus) *Veterinariya* 3:96-98. Mar. 1964. 41.8 V6426
- 92080 TSUDA, T. Physiology of the rumen. (Ja) *Jap. J. Zootech. Sci.* 34(4):235-242. Ref. Sept. 1963. 49 N62  
Review.
- 92081 TUBINGEN, BUNDESFORSCHUNGSANSTALT FÜR VIRUSKRANKHEITEN DER TIERE. Arbeiten [Works], volume VIII, 1963. Tübingen, 1964. various paging. 41.9 T79  
English summaries.
- 92082 TWEED, J. R. A broad view of cooperative veterinary programs. *Sowest. Vet.* 17(1):47-50. Fall 1963. 41.8 So82
- 92083 UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANIZATION. Environmental physiology and psychology in arid conditions; proceedings of the Lucknow Symposium. United Nations Educ. Sci. & Cult. Organ. *Arid Zone Res.* 24, 400 p., map. 1964. 278.9 Un3  
Jointly organized by the Central Drug Research Institute and UNESCO, and held December 7-13, 1962.  
Papers include livestock physiology.
- 92084 VAN CAMPEN, D. R., and MATRONE, G. An acetate-activating system from rumen microorganisms. I-II. *Biochim. et Biophys. Acta* 85 (3):400-419. Ref. June 1, 1964. 381 B522
- 92085 VAN DEN HEEVER, L. W. Are your slaughter animals healthy? An expert writes about meat inspection on the farm. *Farming So. Africa* 40(2):36-37, 39, 41-43. May 1964. 24 So842
- 92086 VEGLINA, M. P. Thermoboxes for transportation of animal blood and biological preparations. (Rus) *Veterinariya* 3:100-101. Mar. 1964. 41.8 V6426
- 92087 VELAZQUEZ ANCHONDO, S. Fascioliasis or hepatic distomatosis. (Sp) *Tierra [Mexico]* 19 (1):36, 71-73. Jan. 1964. 8 T8445  
In ruminants.
- 92089 VERTER, W., and SWATON, R. The activity of alkali and acid phosphatase in blood serum of cattle, sheep and camels under special consideration of lymphatic leukosis of cattle. (Ge) *Monh. f. Vetmed.* 19(10):384-390. Ref. May 15, 1964. 41.8 M742
- 92089 WANG, S. C. An improved medicine and its effectiveness in curing ringworm in livestock. (Ch) *Nongye Jishu* 12:39-40. Dec. 1962. 22.5 N929
- 92090 WAYNE, J. K. What H-R 10 means to the self-employed veterinarian. *Ill. Vet.* 7(2):21. Spring 1964. 41.8 IL62  
U. S. House of Representatives Retirement Bill.



- 92091 WESTCOTT, W. J. The years of decision: what employers want in a young associate. *Vet. Econ.* 5(5):30-32. May 1964. 41.8 V6458
- 92092 WESTHUES, M., and FRITSCH, R. Animal anaesthesia. I. Local anaesthesia. Philadelphia, Lippincott, 1964. 223 p. Ref. 41 W527Ae  
Translation of *Die Narkose der Tiere*.
- 92093 WHANG, S. J. Studies on the bactericidal activity of serum against *Brucella*. *Diss. Abs.* 24(12,pt.1):4925-4926. June 1964. 241.8 M58
- 92094 WHITTMANN, G. Interference between inactivated and active foot-and-mouth disease virus in tissue culture: its significance in proving the safety of formalin vaccines. (Ge) *Zentbl. f. Vetmed. Reihe B*, 11(2):135-142. May 1964. 41.8 Z52  
English summary.
- 92095 WOKATSCH, R. Serological studies on *Pseudomonas aeruginosa* (Bact. *pyocyaneum*) from various animal species. (Ge) *Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. I, Orig.* 192(4):468-476. Ref. May 1964. 448.3 C33  
English summary.
- 92096 WORLD HEALTH ORGANIZATION. EXPERT COMMITTEE ON BIOLOGICAL STANDARDIZATION. Sixteenth report. World Health Organ. *Tech. Rpt. Ser.* 274,90 p. Ref. 1964. 449.9 W892T  
Includes biological products used for livestock.
- 92097 WU, S. C., YEN, W. C., and SHEN, S. S. A preliminary report on the lung parasitic nematodes in Chinese domestic animals. (Ch) *Acta Zool. Sinica* 15(2/4):227-242. Ref. June/Dec.1963. 410 Ac87  
English summary.
- 92098 YASUDA, M. History of books on veterinary science, particularly on veterinary anatomy. (Ja) *Japan Vet. Med. Assoc. J.* 17(1):35-39. (Cont.) 1964. 41.9 J275
- 92099 YASUDA, M. History of books on veterinary science, particularly on veterinary anatomy. (Ja) *Japan Vet. Med. Assoc. J.* 17(2):34-37. (Cont.) 1964. 41.9 J275
- 92100 ZAKHARIEV, D., and STOILOVA, N. The effect of single freezing of some biopreparations. (Bu) *Akad. Selsk. Nauk. Bulg. Vet. Inst. Zrazni Parazitarn. Bolesti. Izv.* 8:67-72. 1963. 41.9 So2  
English summary.
- 92101 ZARNOWSKI, E. Polish veterinary parasitology in the last twenty years. (Pol) *Wiad. Parazytol.* 10(1):3-13. 1964. 436.8 W63
- MISCELLANEOUS
- 92102 AHMED, A. Somali Republic and its livestock industry: biometrical-statistical remarks on some morphological data of a very diverse Zebu-cattle population. (It) *Zootec. e Vita* 6(3):20-44. July/Sept.1963. 49 Z73
- 92103 AUSTRALIAN SOCIETY OF ANIMAL PRODUCTION. Proceedings, volume IV; fourth biennial conference, February 1962. Adelaide, 1962. 200 p. Ref. 49.9 Au72
- 92104 BARRADA, M. S., and EL-ITRIBY, A. A. Significance of field and experimental studies on domestic animals. *United Nations Educ. Sci. & Cult. Organ. Arid Zone Res.* 24:249-258. Ref. 1964. 278.9 Un3  
Effects of climate.  
Includes discussion.
- 92105 BERNHARDT, L. Good results in the development of livestock industry and further tasks in increasing animal production. (Ge) *Tierzucht* 17(10):443-446. Oct.1963. 49 T443
- 92106 BIGALKE, R. C. Can Africa produce new domestic animals? *New Sci.* 21(374):141-145. Jan.16,1964. 472 N42
- 92107 BONSMAN, J. C. Functional inspection method in livestock judging. (Ge) *Tierzuchter* 16(4):118-120. Feb.20,1964. 49 T445
- 92108 BORCESCU, N. Studies concerning the contribution of animal husbandry to the economic and organizational establishment of collective farms. (Rum) *Rev. de Zooteh. si Med. Vet.* 14(3):43-50. Mar.1964. 49 P943
- 92109 BROADHURST, P. L. The science of animal behaviour. Baltimore, Penguin Books, 1963. 142 p. 411 B788
- 92110 BYRNE, R. J. NIH Animal Center. Md. Vet. 6(5):8-9, map. May 1964. 41.8 M36  
Farm animal holdings for research programs.
- 92111 CHIZHIK, I. A. *Zhivotnovodstvo; laboratorno-prakticheskie zanyatiya* [Livestock; text-book for laboratory work]. Moskva, Gosudarstvennoe, Uchebno-Pedagogicheskoe Izdatel'stvo Ministerstva Prosveshcheniya RSFSR, 1963. 415 p. 40 C442Zh
- 92112 DOMANSKI, A. Ten years of research by the Wydział Zootechniczny of the Wyższa Szkoła Rolnicza in Lublin. (Pol) *Rocz. Nauk Roln.* 82-B-3:353-359. 1963. 20.5 R59  
English summary.
- 92113 ENDŽIN, A. K. Zoocoumarin in the control of rats. (Rus) *Veterinariya* 3:82. Mar.1964. 41.8 V6426  
Livestock housing.
- 92114 FAMOUS daughters of nation. (Rus) *Veterinariya* 3:1-5. Mar.1964. 41.8 V6426  
Work of women in animal industry.
- 92115 FEWSON, D. The application of the Hollerith system in livestock breeding. (Ge) *Tierzuchter* 15(24):879-880. Dec.20,1963. 49 T445  
Collection, registration and evaluation of performance records.
- 92116 FREDELLA, G. Glossary of livestock terms. (It) *Naples. U. Facol. di Sci. Agr. Ann. (ser.3)* 29:31-92. Ref. 1963/64. 105.4 P83
- 92117 GOINA, G. Animal husbandry production branch bringing big profits. (Rum) *Rev. de Zooteh. si Med. Vet.* 14(3):75-80. Mar.1964. 49 P943
- 92118 GROT, H. Advantages of using chopped straw on farms. (Rus) *Mezhdunarod. Sel'skokhoz. Zhur.* 2:100-102. 1964. 20 M57  
As litter; equipment.
- 92119 HOOGSCHAGEN, P. Advisory services in livestock breeding in the Netherlands. (Ge) *Tierzuchter* 16(8):266-267. Apr.20,1964. 49 T445
- 92120 HRYCYK, B. The organization of scientific research in Instytut Zootechniki [in Cracow]. (Pol) *Przegl. Hodowlany* 31(2/3):30-33. Feb./Mar.1963. 49 P952
- 92121 LIU, C., and CH'IU, P. A trimetrical thesis on the care and management of draft animals. (Ch) *Chung Kuo Nung Pao* 6:11-13. June 1963. 22.5 C473
- 92122 LOUISIANA. AGRICULTURAL EXPERIMENT STATION. Fourth livestock producers' day, January 23, 1964, Baton Rouge, Louisiana. Baton Rouge, 1964. 101 p. 43.9 L932
- 92123 MCKNIGHT, T. Feral livestock in Anglo-America. *Calif. U. P. Geog.* 16,87 p., map. Ref. May 6,1964. 500 C125G  
United States and Canada.
- 92124 MANSSON, N. C. Farm advisory services in Sweden. (Ge) *Tierzuchter* 16(5):154-156. Mar.5,1964. 49 T445  
Livestock rearing.
- 92125 MARTIN, L., and others. The place of animal husbandry in the economy of collective farms in the Simicolau Mare district. (Rum) *Rev. de Zooteh. si Med. Vet.* 14(3):51-55. Mar.1964. 49 P943  
M. Teaciuc, M. Vinatoru, and L. Zahiu, joint authors.
- 92126 MISSOURI. AGRICULTURAL EXPERIMENT STATION. Studies with beef cattle, sheep and swine, 26th annual livestock day, April 10, 1964. Mo. Agr. Expt. Sta. Spec. Rpt. 38,26 p. Apr.1964. 100 M693Sp
- 92127 MOLDOVAN, C. The development of animal husbandry in the collective farms of Dobrogea district in the years following the fulfilment of collectivization between 1957 and 1963. (Rum) *Rev. de Zooteh. si Med. Vet.* 13(12):5-10. Dec. 1963. 49 P943

- 92128 NIKIFOROV, N. I., and TRAKHANOV, D. F. Control of rats in livestock housing. (Rus) Veterinariya 3:78-80. Mar.1964. 41.8 V6426 With coumarin.
- 92129 OERTZEN, H. U. VON. A glance at the livestock husbandry of Israel. (Ge) Tierzuchter 16 (11):428. June 5,1964. 49 T445
- 92130 O'FERRALL, G. J. M. The artificial control of the sex ratio in mammals—a review. Irish Vet. J. 18(5):81-95. Ref. May 1964. 41.8 Ir4
- 92131 PALMEDO, H. Advisory methods and aids in service of the professional advisor. (Ge) Tierzuchter 16(1):11-12. Jan.5,1964. 49 T445
- 92132 PATACAMAYA, ESTACION EXPERIMENTAL GANADERA. Patacamaya muestra del potencial ganadero del altiplano de Bolivia [Patacamaya is a sample of the livestock potential of the Bolivian highlands]. Patacamaya, Estac. Expt. Ganadera. B. Inform. 3,15 p. June 17, 1963. 49.9 P27  
Report of the station for 1962/1963.
- 92133 SCHMIDT-NIELSEN, K. The significance of field and laboratory studies on domestic animals in arid climates. United Nations Educ. Sci. & Cult. Organ. Arid Zone Res. 24:243-247. Ref. 1964. 278.9 Un3
- 92134 SULYOK, T. Tasks before grazing time. (Hu) Magyar Mezogazdasag 19(18):16. Apr.29,1964. 19 M27  
Chiefly in relation to the animal.
- 92135 TANGL, H. The effect of light as environmental factor on the animal organism. (Hu) Buvar 9(3):138-140. May/June 1964. 410 B98  
Livestock.
- 92136 THELOE, G. Economic and hygienic problems of slaughterhouse operation. I-II. (Ge) Fleischermeister 18(3):59-62; (4):88-91. Mar.-Apr.1964. 50.8 F622
- 92137 TINBERGEN, N. On aims and methods of ethology. Z. f. Tierpsychol. 20(4):410-433. Ref. Oct.1963. 410 Z35  
Animal behavior including domestic animals and insects.
- 92138 ZEEB, K. Behavioral research and domestic animal rearing. (Ge) Tierzuchter 16(3):74-76. Feb.5,1964. 49 T445
- CATTLE**
- Breeds and Breeding
- 92139 ALLEN, A. V. What can be done to boost calf crops? Livestock Breeder J. 7(3):16,108,110. Mar.1964. 49 L758  
Culling non-breeders from herd.
- 92140 AMERICAN HEREFORD JOURNAL. 41st herd bull edition. Amer. Hereford J. 55(5),952 p., map. July 1,1964. 43.8 Am32  
Includes breed promotion, genetics, and a section on "Youth and their thoughts on the Hereford's future."
- 92141 ARZUMANYAN, E. A. Basic problems of linebreeding of cattle. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:5-13. 1963. 20 M857
- 92142 AURLIEN, O. Animal husbandry in Nigeria. (No) Buskap og Avdratt 15(4):189,191. 1963. 49 B96  
Chiefly cattle breeding and disease control.
- 92143 AVERDUNK. Breeding aspects in relation to artificial insemination. (Ge) Tierzuchter 16 (8):258,261. Apr.20,1964. 49 T445  
Of cattle in Netherlands.
- 92144 AZGUN, Y. Relationship between descent and production inheritance of F.R.S. and N.H. bulls. (Du) Veeteelt en Zuivelber. 6(9):357-360. Sept. 1963. 49 V51
- 92145 BAKKER, W. Dairy cattle breeds in New Zealand. (Du) Veeteelt en Zuivelber. 6(12):563-564. Dec.1963. 49 V51
- 92146 BARCZY, G., BODA, I., and GONDOLOVICS, L. Comparative fattening of Hungarian Red Spotted x Charolais F<sub>1</sub> and Hungarian Red Spotted young bulls. (Hu) Allattenyesztes 12(4):297-315. Dec.1963. 49 AL57  
English summary.
- 92147 BAUER, H., and BAKELS, F. Reflections on the goals of cattle breeding. (Ge) Tierzuchter 16(11):411-413. June 5,1964. 49 T445
- 92148 BEAL, V. C. Effects of crossbreeding on part and whole lactations of dual purpose and dairy cattle. Diss. Abs. 24(12,pt.1):4889-4890. June 1964. 241.8 M58
- 92149 BEKEDAM, M. Cattle breeding in artificial insemination associations in England. (Du) Veeteelt en Zuivelber. 6(extra no.):408-443. Ref. Oct.1963. 49 V51
- 92150 BERGSTROM, P. L. Some observations on the carcass quality of young Limousin bulls. (Du) Veeteelt en Zuivelber. 6(11):521-525. Nov.1963. 49 V51
- 92151 BETTINI, T. M., and MATASSINO, D. Generation statistics in small populations with overlapping generations. 7,I-III. (It) Naples. U. Facol. di Sci. Agr. Ann. (ser.3)29:1-30. Ref. 1963/64. 105.4 P83  
English summary.  
Cattle.
- 92152 BLACKWELL, R. Are you a registered breeder? Tex. Livestock J. 23(7):38. July 15,1964. 49 T29  
Beef cattle.
- 92153 BRAUER, H. Bull progeny inspections and cow family prizes 1961 and 1962 in the Neubrandenburg region. (Ge) Tierzucht 18(2):79-83. Feb. 1964. 49 T443
- 92154 BRITISH FRIESIAN CATTLE SOCIETY. The type and production register, 1963. London, 1963. 416 p. 43.9 B772M
- 92155 BRITISH OIL & CAKE MILLS. Report on 1st BOCM beef sire performance test, Beef Shorthorn & Hereford, conducted at South Cathkin Farm, Rutherglen, Glasgow, 1963. London, 1963. 14 p. 43.9 B773R
- 92156 BUTAYE, R. Red Pied cattle from east Flanders (Belgium). (Ge) Tierzuchter 16(1):27-28. Jan.5,1964. 49 T445
- 92157 CARLSON, M. Good bulls will bring good beef. Fla. Cattleman & Livestock J. 28(10):40,42,44, 90. July 1964. 43.8 F66
- 92158 CELO, T., GOKAJ, F., and HAXHI, S. Meat and fat capacity of growing cattle of the Steppe Red breed and the possibilities of increase of the meat production in cattle through voluminous feeds. (Al) B. i Shkencave Bujqesore 3(1):79-100. 1964. 21.5 B87  
English summary.
- 92159 CHWALIBOG, T. Important goals in improving the Polish Red cattle. (Pol) Przegl. Hodowlany 31(1):10-12. Jan.1963. 49 P952
- 92160 COMPERE, R. Amelioration du betail local au Centre d'Elevage de Nyamiyaga [Improvement of local cattle at the Centre d'Elevage de Nyamiyaga]. Inst. Natl. pour l'Etude Agron. du Congo. P. Ser. Tech. 70,66 p. Ref. 1964. 24 In7P
- 92161 CUNHA, T. J. Top purebred bulls will help place high quality sign on U.S. beef cattle. Fla. Cattleman & Livestock J. 28(10):28. July 1964. 43.8 F66
- 92162 CZAKO, J., FERENCZ, G., and BARCZY, G. Change of valuation of Hungarian Red Spotted breeding bulls calculated from the first or second lactation yields of their offsprings. (Hu) Allattenyesztes 13(1):1-16. Mar.1964. 49 AL57  
English summary.
- 92163 DECKING, J. Evaluation of milk production in 100,200 and 305 control days for production heritability determination of cattle. (Ge) Z. f. Tierzucht. u. Zuchtbiol. 79(4):295-302. Feb. 1964. 442.8 Z35  
English summary.
- 92164 DISCUSSION on the state, possibilities and needs in raising Polish Red cattle. (Pol) Przegl. Hodowlany 31(1):1-6. Jan.1963. 49 P952



- 92165 DUTT, B., and VASUDEVAN, B. Effect of feeding only dry roughage diet on hill bulls. II. Histopathological changes in cardiovascular system and other tissues. *Indian Vet. J.* 41(3): 192-196. Mar. 1964. 41.8 In2
- 92166 EAPEN, K. J., and NASIR, M. M. R. Deoxyribonucleic acid in relation to alkaline phosphatase, inorganic phosphorus and sperm concentration in buffalo and Haryana bull semen. *Indian J. Expt. Biol.* 2(2):108-109. Ref. Apr. 1964. 44.2.8 In2
- 92167 ESCHENBRENNER, G. H. Untersuchungen über die Aufzucht und Mast von Jungbullen [Studies on the rearing and fattening of young bulls]. *Giessener Schreibe. Tierzucht u. Haustiergenet.* 10,58 p. Ref. 1963. 49 G36
- 92168 FAHIMUDDIN, M. A-1 centres in Bihar. *Indian Livestock* 1(3):3,55. July/Sept. 1963. 49 In23  
State Government services for cattle breeders.
- 92169 FISCHER, G. Die Verzehreleistung, die Futterverwertung und die Milchleistung der Kühe einer Rotviehherde [Consumption performance, feed utilization and milk production of cows of a Red cattle herd]. *Giessener Schreibe. Tierzucht u. Haustiergenet.* 9,59 p. Ref. 1963. 49 G36
- 92170 FOSGATE, O. T., and CAMERON, N. W. Controlling breeding dates in cattle. *Ga. Agr. Res.* 5(4):10-11. Spring 1964. 100 G295  
Delalutin and oxytocin compounds.
- 92171 FRANZ, H. Young bull feeding in grassland-rich farm. (Ge) *Tierzucht* 17(11):499-502. Nov. 1963. 49 T443
- 92172 GALL, G. A. E., and BERG, R. T. Studies of the inheritance of bovine serum transferrins. *Anim. Prod.* 6(1):107-117. Ref. Feb. 1964. 49 An55
- 92173 GALLOWAY, D. B. A study of bulls with the clinical signs of seminal vesiculitis; clinical, bacteriological and pathological aspects. *Acta Vet. Scand.* 5(sup.2), 122 p. Ref. 1964. 41.8 Ac87  
Includes tests of semen.
- 92174 GALLOWAY CATTLE SOCIETY. The Galloway Journal, an annual publication devoted to the interests of Galloway cattle. No. 11. Dumfries, 1963. 166 p. 43.8 G13
- 92175 GHENT, COMITE VOOR STERILITEITSBESTRIJDING, VEEARTSENISCHOOLO. Report on the year 1963. (Fl) *Vlaams Diergeneesk. Tijdschr.* 33(2):62-70. Feb. 1964. 41.8 V84  
English summary.  
Sterility of cattle and horses.
- 92176 GRANCIU, I. Some problems concerning cattle selection. (Rum) *Rev. de Zooteh. si Med. Vet.* 13(11):24-33. Ref. Nov. 1963 49 P943
- 92177 GROTHE. Raising Black Pied cattle in the German Federal Republic. (It) *Allevatore* 19 (48):3-4. Dec. 1, 1963. 49 AL55  
Especially as milk producers.
- 92178 GYURU, F., and HAMORI, D. Hereditary hypoplasia of the sex organs of Hungarian Red Spotted cattle. (Ge) *Acta Vet. [Budapest]* 13 (4):323-353. Ref. 1963. 41.8 Ac83
- 92179 HAHN, H. Breed elites visited and found. (Ge) *Tierzucht* 17(11):490-496. Nov. 1963. 49 T443  
Cattle.
- 92180 HAHN, J. Possibilities for testing hereditary fertility of breeder bulls. (Ge) *Tierzuchter* 16(13):480-482. July 5, 1964. 49 T445
- 92181 HANSSON, A. Specialized meat production. (Sw) *Mjolkpropagandan* 41(3):69, 71. 1964. 44.8 M692  
Effects of breeding on beef production.
- 92182 HEROLD, I., and VERESS, L. Correlative relations of the cow-milk composition, with reference to increasing the protein production of Hungarian Spotted cattle. (Hu) *Allattenyesztes* 12(4):345-355. Ref. Dec. 1963. 49 AL57  
English summary.
- 92183 HOJOVEC, J. Cattle breeding is the basis of livestock production. (Cz) *Veterinarstvi* 14(5): 221-222. May 1964. 41.8 V6439  
In Czechoslovakia.
- 92184 HOLSTEIN-FRIESIAN ASSOCIATION OF CANADA. Holstein-Friesian herd book, volume 76. n.p., 1964. 964 p. 43.9 H743
- 92185 HORI, C. The Holsteins are catching on even in Jersey Australia. (Ja) *Dairyman* 14(4):10-11, map. Apr. 1964. 44.8 D1454
- 92186 HORN, A., and others. Conditions of registration in the herd book for cows belonging to the "dairy Hungarian Brown cattle" construction (conditions for the temporary registration in the herd book). (Hu) *Allattenyesztes* 12(4):317-324. Dec. 1963. 49 AL57  
J. Dohy, S. Bozo, and A. Dunay, joint authors.  
English summary.
- 92187 HOWES, J. R., and others. Comparative growth and reproduction of Hereford and Brahman cattle in Florida. *Fla. Acad. Sci. Q. J.* 26(4):368-381. Dec. 1963. 500 F66  
J. F. Hentges, A. C. Warnick, and T. J. Cunha, joint authors.
- 92188 HUGHES, D., and EPPERSON, E. E. Urethral complications in a bull. *Sowest. Vet.* 17(1):65-66. Fall 1963. 41.8 So82
- 92189 HUNKAR, A. E. S. Cattle breeding in Surinam. (Du) *Doelmatige Veehouderij* 12(6):111-114. Dec. 1963. 49 D67
- 92190 JANOWSKI, T. M. The influence of air environment on animals; investigations in an artificial insemination center. (Pol) *Acta Agr. et Silvestria. Ser. Zootech.* 2:57-134. Ref. 1962, pub. 1964. 49 Ac8  
English summary.  
Chiefly influence on fertility of bulls of the stable climate.
- 92191 JENICHEN, W. Experiment on conservation of bull sperms with the dry milk diluent "Laciphos" in storage temperature of plus 2-4 centigrade. I. (Ge) *Arch. f. Tierzucht* 7(2):191-211. 1964. 49 Ar23  
English summary.
- 92192 JOHNSTON, J. E., and others. Adaptability of Haryana cattle to hot-arid or hot-humid environment. *United Nations Educ. Sci. & Cult. Organ. Arid Zone Res.* 24:267-273. 1964. 278.9 Un3  
S. Guha, B. C. Joshi, and M. S. Ahmad, joint authors.
- 92193 JUNGK, E. Did the performances improve by importing East Friesian bulls? (Ge) *Tierzucht* 18(5):235-237. May 1964. 49 T443
- 92194 KARG, H. Nutrition—insemination—fertility. (Ge) *Tierzuchter* 16(10):349-350, 353. May 20, 1964. 49 T445  
English summary.  
Cattle.
- 92195 KECSKES, S. Investigation of rearing of so-called "retained" bulls kept for progeny-testing. (Hu) *Allattenyesztes* 12(4):325-337. Dec. 1963. 49 AL57  
English summary.
- 92196 KWASIEBORSKI, J. Comparison of results of bull evaluation by classic and by English methods. (Pol) *Przegl. Hodowlany* 31(2/3):6-8. Feb./Mar. 1963. 49 P952
- 92197 LARSSON, E. L. The economic cow. 3. (Sw) *Mjolkpropagandan* 40(11):278-279. 1963. 44.8 M692  
Breeding.
- 92198 LE ROY, H. L. Artificial insemination and inbreeding in cattle husbandry. (Ge) *Tierzuchter* 16(8):253-254. Apr. 20, 1964. 49 T445
- 92199 LEUTHOLD, G. Results of Jersey crossing program of GDR. 2. Slaughter performance of F<sub>1</sub> bulls in crossing Jersey and Black Pied Lowland cattle. (Ge) *Tierzucht* 17(10):458-460. Oct. 1963. 49 T443
- 92200 LJUNGDAHL, L. Future of Angus in Mexico. *Tex. Livestock J.* 23(7):86, 96. July 15, 1964. 49 T29
- 92201 LOUISIANA ANGUS ASSOCIATION. 1964 directory. *Gulf Coast Cattleman* 30(4):7-A, 10-A-15-A. June 1964. 43.8 G95
- 92202 MAKINO, T. Excellent breeding bulls of Hokkaido. (Ja) *Dairyman* 14(4):48-49. Apr. 1964. 44.8 D1454
- 92203 MASON, I. L. Genetic relations between milk and beef characters in dual-purpose cattle breeds. *Anim. Prod.* 6(1):31-45. Ref. Feb. 1964. 49 An55

- 92204 MATASSINO, D., and BORDI, A. Vital statistics in cows of Marche breed: I. Inseminations, conceptions, abortions. (It) *Prod. Anim.* 2(3):239-253. Sept.1963. 49 P945  
English summary.
- 92205 MATYKIEWICZ, J. Preliminary observations on the blood admixture of cattle from Denmark to Polish Red cattle. (Pol) *Przegl. Hodowlany* 31(1):12-15. Jan.1963. 49 P952
- 92206 MECHLING, E. A., and CARTER, R. C. Selection for twinning in a grade Aberdeen-Angus herd. *J. Hered.* 55(2):73-75. Mar./Apr.1964. 442.8 Am3
- 92207 MEUCCI, L. Results of selection of Chiana cattle in relation to study of weight in typical ages in the provinces of Arezzo, Siena and Pisa. (It) *Riv. di Zootec.* 36(5):297-298,300-301,304-308. May 1963. 49 R52
- 92208 MILLER, J. I. What do you see as your type? *Livestock Breeder J.* 7(3):94-99. Mar.1964. 49 L758  
Beef cattle breeding.
- 92209 MISHRA, H. R., PRASAD, J. N., and JHA, B. N. A study on variations in heritability estimates in Tharparkar cattle. *Indian Vet. J.* 41(5):332-335. May 1964. 41.8 In2
- 92210 MULLER-HAYE, B. The Canadian cattalo. (Ge) *Tierzuchter* 15(24):905-906. Dec.20,1963. 49 T445
- 92211 MULLICK, D. N. A study on the metabolism of food nutrients in cattle and buffalo bulls under climatic stress. *United Nations Educ. Sci. & Cult. Organ. Arid Zone Res.* 24:137-140. Ref. 1964. 278.9 Un3
- 92212 MYDLARCIK, S. The breed and type structure of the Czechoslovak Red Spotted cattle in the light of historical development. (Cz) *Agrikultura* 2:55-82, map. Ref. 1963. 19.5 Ag8  
German summary.
- 92213 NAGY, GY. Reproduction-biological examination of breeder bulls from the point of view of their breeding suitability. (Hu) *Allattenyesztes* 12(4):339-344. Dec.1963. 49 AL57  
English summary.
- 92214 NESENI, R., BARTSCH, K. H., and BUSS, G. Studies on the metacarpus of young bulls. 1. (Ge) *Arch. f. Tierzucht* 7(1):43-61. Ref. 1964. 49 Ar23  
English summary.
- 92215 NIEDERBERGER, O. Monetary evaluation of the use of bulls. (Ge) *Tierzuchter* 16(7):216-218. Apr.5,1964. 49 T445  
Effects of breeding on milk production, chiefly.
- 92216 NIEDERBERGER, O. Purchasing bulls for an insemination-station. (Ge) *Tierzuchter* 16(13):482-483. July 5,1964. 49 T445
- 92217 NUTI, C. Let's talk about Chiana cattle and the actualities. (It) *Allevatore* 20(21):4. May 24, 1964. 49 AL55
- 92218 OCSAG, I. The Hungarian Grey cattle and changes in our cattle breeding. (Hu) *Buvar* 9(3):154-156. May/June 1964. 410 B98
- 92219 OFUKU, S. A survey on the capabilities of dairy cattle bulls. (Ja) *Dairyman* 13(10):12-13. Oct.1963. 44.8 D1454  
Breeding.
- 92220 OTTO, E. Objective study on some quality properties of beef. I. (Ge) *Arch. f. Tierzucht* 7(3):247-254. Ref. 1964. 49 Ar23  
English summary.  
Effects of breeding, chiefly.
- 92221 PAST, E. About cattle races of east and south-eastern Europe. (Ge) *Tierärztl. Umschau* 19(6):296-300, map. (Cont.) June 1,1964. 41.8 T445
- 92222 PETERSON, H. P. Reasons why some Arkansas cows show low fertility being studied. *Ark. Farm Res.* 13(3):12. May/June 1964. 100 Ar42F
- 92223 PILZ, K., and WINKLER, H. Acclimatization experiments with German Red cattle. (Ge) *Arch. f. Tierzucht* 7(3):219-232. Ref. 1964. 49 Ar23  
English summary.
- 92224 PINTEA, V., VINTILA, I., and CINDEA, A. The serum proteins in the Baltata Romineasca cattle race. (Rum) *Bucharest. Inst. Agron. Timisoara. Lucrari Sti.* 6:223-235. Ref. 1963. 106.4 T48  
English summary.
- 92225 POLITEK, R. D. Complete birth registration of calves under A.I.-conditions. (Du) *Veeteelt en Zuivelber.* 6(11):511-520. Nov.1963. 49 V51  
English summary.  
To indicate viability for herdbook records.
- 92226 POLITEK, R. D. The practical importance of population genetics in cattle breeding. (Du) *Veeteelt en Zuivelber.* 6(extra no.):444-452. Oct.1963. 49 V51
- 92227 POLLOCK, D. Angus make rapid gains in Louisiana during past decade. *Gulf Coast Cattleman* 30(4):2-A. June 1964. 43.8 G95
- 92228 RABEK, A. Bull testing in Poland. (Ge) *Tierzuchter* 15(23):852-853. Dec.5,1963. 49 T445
- 92229 RAMSEY, S. D. The future of the Texas Angus Association. *Tex. Livestock J.* 23(7):31,68. July 15,1964. 49 T29
- 92230 ROMANOWSKI, W. Satisfying bull supply in an artificial insemination station. (Ge) *Tierzuchter* 16(8):256-257. Apr.20,1964. 49 T445
- 92231 ROMER, J. Evaluation of bulls with contemporary comparison method using analytical equipment. (Pol) *Przegl. Hodowlany* 32,i.e.31(11):18-21. Nov.1963. 49 P952
- 92232 ROY, A., GUPTA, B. P. SEN, and MISRA, M. S. Effect of varying environment on semen quality, cardio-respiratory activity, milk production and female fertility of buffalo. *United Nations Educ. Sci. & Cult. Organ. Arid Zone Res.* 24:275-288, map. 1964. 278.9 Un3
- 92233 SABIROV, P. S. Raising of yellow-spotted Simmental cattle on farms of the Samarkand Region of the Uzbek SSR. (Rus) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok.* 90:21-24. 1963. 20 M857  
Adaptation.
- 92234 SALERNO, A. Blood groups and genetics. (It) *Naples. U. Facol. di Sci. Agr. Ann. (ser.3)* 29:195-219. Ref. 1963/64. 105.4 P83  
English summary.  
Cattle.
- 92235 SALERNO, A. Distribution of blood groups in Podolian cattle of Calabria; experimental research. (It) *Naples. U. Facol. di Sci. Agr. Ann. (ser.3)* 29:413-420. 1963/64. 105.4 P83  
English summary.
- 92236 SAMVIRKENDE KVAEGAVLSFORENINGER MED KUNSTIG SAEDOVERFORING. Aarsberetning, af Sv. Aa. Maarsso [Annual report, by Sv. Aa. Maarssoe], 1963. Aarhus, 1964. 204 p. 43.9 Sa43  
English summary.
- 92237 SANTNER, T. Raising Pinzgau bulls in Austria. (Rum) *Rev. de Zootch. si Med. Vet.* 13(12):70-75. Dec.1963. 49 P943
- 92238 SCHANDL, J. The minimum principle in the many-sided utilization and in selecting of breeding individuals. (Hu) *Allattenyesztes* 12(4):293-296. Dec.1963. 49 AL57  
English summary.  
Cattle and sheep.
- 92239 SCHMITTER, W., and others. Comparative studies on fattening performance and slaughter value of young Limousine and Yellow Hill cattle. (Ge) *Tierzuchter* 16(11):408-411. June 5,1964. 49 T445  
M. Stolzman, M. Burgkart, and H. Volkl, joint authors.
- 92240 SCHOPFEL, The Yellow Hill cattle, a meat type race for Germany? (Ge) *Tierzuchter* 15(23):845-847. Dec.5,1963. 49 T445
- 92241 SEIFART, K. Bodily development of the German Simmental in South-West Africa in comparison with the breed in southern Germany. (Ge) *Bayer. Landwirt. Jahrb.* 41(1):3-46. Ref. 1964. 18 L24
- 92242 SHARMA, S. C., and DESAI, R. N. Treatment of infertility in cows and buffaloes with "hormal." *Indian Vet. J.* 41(3):222-227. Mar.1964. 41.8 In2



- 92243 SHIPILOV, V. S. Artificially acquired sterility of cattle. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:32-40. 1963. 20 M857
- 92244 SILLCOCK, K. M. Herd improvement a means, not an end. *Dairyfarming Digest* 10(5):5-9. Nov./Dec.1963. 44.8 D1443 Australia.
- 92245 SINGH, R. A., and DESAI, R. N. Genetic study on relative efficiency of milk production in crossbreds (Holstein X Sahiwal) as compared to purebred Sahiwal cattle. *Indian Vet. J.* 41(3): 169-174. Mar.1964. 41.8 In2
- 92246 SOLLER, M., and BAR-ANAN, R. A note on milk production in crosses between Dutch and American strains of Friesian dairy cattle. *Anim. Prod.* 6(1):125-126. Feb.1964. 49 An55
- 92247 STALINSKI, Z. Application of principles of population genetics to cattle breeding in Poland. (Pol) *Przegl. Hodowlany* 31(1):37-40. Jan. 1963. 49 P952
- 92248 STAPEL, K. P. The present state of M. R. IJ. breeding and its position in Dutch cattle breeding as a whole. (Du) *Doelmatige Veehouderij* 12(6):103-107. Dec.1963. 49 D67
- 92249 STRINGHAM, E. W., and SEAL, M. E. Selection of feeder cattle. *Canad. Cattlemen* 27(1):6, 18. Jan.1964. 49 C16
- 92250 SULYOK, T. Artificial insemination of heifers on the pasture. (Hu) *Magyar Mezogazdasag* 19(21):20. May 20,1964. 19 M27
- 92251 SZCZEKIN-KROTOW, W. What is wrong with breeding of Polish Red cattle. (Pol) *Przegl. Hodowlany* 31(1):7-9. Jan.1963. 49 P952
- 92252 TESI, L. Comparative investigations on the different methods of treatment of infertility of unknown causes in cattle. (It) *Clin. Vet.* 87(6): 164-169. Ref. June 1964. 41.8 C61
- 92253 TRAUTMAN, J., and ZALEWSKI, W. Inbreeding relations and rotation plan for male lines of the Black Pied Lowland cattle in Lublin province. (Pol) *Rocz. Nauk Roln.* 82-B-3:507-528. Ref. 1963. 20.5 R59 English summary.
- 92254 VALERANI, L. Progeny tests for morphological characteristics in the bull. (It) *Allevatore* 20(4):1,4. Jan.26,1964. 49 AL55 Report of Canadian tests.
- 92255 VELZEN, C. J. VAN. On the inheritance of fertility of the cow. (Du) *Veeteelt en Zuivelber.* 6(12):558-562. Dec.1963. 49 V51
- 92256 VENKATARATNAM, G., and VENKAYYA, D. Some observations on the production characteristics of Murrah buffaloes. I. Maximum initial milk yield. *Indian Vet. J.* 41(3):205-211. Ref. Mar.1964. 41.8 In2
- 92257 VERENIGING HET NEDERLANDSCHE RUNDVEE-STAMBOEK. Jaarboek. Blaarkop [Yearbook. White Heads], 1963. n.p., 1963. 59 p. 43.9 N28 Groningen.
- 92258 VERENIGING HET NEDERLANDSCHE RUNDVEE-STAMBOEK. Jaarboek. Roodbont [Yearbook. Red Pied], 1963. n.p., 1964. 100 p. 43.9 N28 Meuse-Rhine-Yssel.
- 92259 VERENIGING HET NEDERLANDSCHE RUNDVEE-STAMBOEK. Jaarboek. Zwartbont [Yearbook. Black Pied], 1963. n.p., 1963. 248 p. 43.9 N28 Dutch Friesian.
- 92260 VOS, M. P. M., and POLITIEK, R. D. Estimation of the breeding value of a young bull on the production figures of his parents. *Z. f. Tierzucht u. Zuchtbiol.* 79(4):310-318. Ref. Feb. 1964. 442.8 Z35
- 92261 WARNICK, A. C. Genetic herd improvement will help state cattlemen. *Fla. Cattleman & Livestock J.* 28(10):34. July 1964. 43.8 F66
- 92262 WASSMUTH, R. German-Turkish cooperation in cattle and sheep breeding. (Ge) *Tierzuchter* 16(6):203-204. Mar.20,1964. 49 T445 Breeding in Turkey.
- 92263 WATSON, J. W. Field collection and evaluation of semen from bulls using electro-ejaculation. *Austral. Vet. J.* 40(4):183-187. Apr.1964. 41.8 Au72
- 92264 WILKE, A. First comparative test between British Friesian and Black Pied Lowland cattle in first lactation. (Ge) *Tierzucht* 18(2):75-78. Feb.1964. 49 T443
- 92265 WOOD, A. J. The architect's specifications for a beef calf and the contractor's role in its construction. *Canad. Cattlemen* 27(2):6-7,33-34. Feb.1964. 49 C16 Genetics of breeding, and feeding for growth.
- 92266 ZELFEL, S. Studies on the fertility of breeder bulls. I. (Ge) *Arch. f. Tierzucht* 7(1):33-42. Ref. 1964. 49 Ar23 English summary. Includes semen study.
- 92267 ZWART, T. The non-return method as standard of the conception rate, as used at A.I.-associations. (Du) *Tijdschr. v. Diergeneesk.* 89(12):817-822. June 15,1964. 41.8 T431 English summary. Cattle.

#### Feeds and Feeding

- 92268 ACCARDI, F. Study of method, by which the fractional administration of rations can better influence feed utilization by ruminants (experiments on calves). (It) *Riv. di Zootec.* 36(5): 273-284. May 1963. 49 R52
- 92269 ALDER, F. E., TAYLER, J. C., and RUDMAN, J. E. Hexoestrol implantation of steers fattened at pasture. I-II. *Anim. Prod.* 6(1):47-71. Ref. Feb.1964. 49 An55 I, Effects on growth and herbage intake; II, Effects on empty weight, carcass weight and carcass quality.
- 92270 ANTILA, M. Changes in the composition of milk fat through feeding with the fatty acids of tall oil. (Ge) *Kieler Milchwirt. Forschber.* 16(3):251-257. Ref. 1964. 44.9 K542 English summary.
- 92271 BAKER, F. S. Low cost pasture gains vital. *Fla. Cattleman & Livestock J.* 28(10):70,72. July 1964. 43.8 F66
- 92272 BECKER, M. Preparation and presentation of feeds and their influence on animal productivity. (Por) *Rural* 44(515):30-33. Mar.1964. 9.2 B733 Chiefly processing and use for cattle in Brazil.
- 92273 BIALIC, J. Possibilities of utilizing Kuwasy peat bogs for animal husbandry. (Pol) *Warsaw. Inst. Melior. i Uzytkow Zielonych. Wiad.* 3(3):133-144. 1963. 54.9 W262W Chiefly cattle grazing.
- 92274 BISHOP, E. J. B., and KOTZE, J. J. J. Rear calves by hand—they suck out all your profits. *Farming So. Africa* 40(2):6-7. May 1964. 24 So842 Calf weaning to save rich milk.
- 92275 BLOM, G. F. Relationship between fatty substances in grass and consistency of butter. I. (Du) *Veeteelt en Zuivelber.* 6(5):201-208, map. Ref. May 1963. 49 V51
- 92276 BLOM, G. F. Relationship between fatty substances in grass and butter consistency. II. (Du) *Veeteelt en Zuivelber.* 6(9):340-353. Ref. Sept.1963. 49 V51
- 92277 BOER, F. DE. The barn season 1963-1964. (Du) *Doelmatige Veehouderij* 12(6):99-102. Dec.1963. 49 D67 Feeding of dairy cattle.
- 92278 BOHSTEDT, G. Why mineral supplements; no place that does not need supplements. *Livestock Breeder J.* 6(7):128,130. July 1963. 49 L758
- 92279 BOSTICCO, A. Rational utilization of green forages in cattle nutrition. (It) *Riv. di Zootec.* 36(5):322-327. May 1963. 49 R52
- 92280 BREDON, R. M. Mineral requirements of cattle in East Africa with special reference to Uganda. *Agr. & Vet. Chem.* 5(3):78-81. Ref. May/June 1964. 382 Ag82
- 92281 CALHOUN, M. C., and others. Growth of Holstein male calves fed on enzyme supplement, a combination of primary fungal and bacterial fermentation products, with limited milk replacer and starter and ad libitum hay, with observations on carotene utilization. *Conn. (Storrs) Agr. Expt. Sta. Prog. Rpt.* 56,14 p. Ref. Apr.1964. 100 C76Pr C. G. Woelfel, R. C. Hall, J. E. Rousseau, H. D. Eaton, and J. J. Lucas, joint authors.

- 92282 CASAS, M., and RAUN, N. S. The comparative value of cottonseed meal and urea as supplementary protein sources with and without aureomycin for Zebu steers maintained in feedlots. (Sp) *Tec. Pecuaria en Mex.* 2:16-19. July 1963. 49 T222  
English summary, p.4.
- 92283 CASAS, M., and RAUN, N. S. The comparative value of cottonseed meal and urea as supplementary protein sources with and without stilbestrol for Zebu bulls maintained in feedlots. (Sp) *Tec. Pecuaria en Mex.* 2:30-34. July 1963. 49 T222  
English summary, p.4,6.
- 92284 CHANDRA, K. The chemical composition and nutritive value of musal hay (*Iscielesma laxum*) at the pre-flowering stage. *Indian Vet. J.* 41 (3):216-221. Mar.1964. 41.8 In2  
As cattle feed.
- 92285 CHAPMAN, H. L., and others. Production and utilization of corn silage on organic soil. *Fla. Agr. Expt. Sta. B.* 679,19 p. Ref. June 1964. 100 F66S  
V. E. Green, C. E. Haines, and R. W. Kidder, joint authors.  
For beef cattle.
- 92286 CH'EN, I. F. Fattening cattle by the use of human urea as feed. (Ch) *Nongye Jishu* 11:37-39. Nov.1962. 22.5 N929
- 92287 CHMIELNIK, H. Winter feeding of dairy cows with large quantities of properly prepared rye straw. (Pol) *Nowe Roln.* 13(2):32-34. Jan.16/31,1964. 20.5 N86
- 92288 COLOVOS, N. F. Urea in dairy feeds. *Feed-stuffs* 36(28):64,66,68. July 11,1964. 286.81 F322
- 92289 CZAPLAK, T. Reflections after the conference of dairy cooperatives. II. (Pol) *Nowe Roln.* 13(2):36-37. Jan.16/31,1964. 20.5 N86  
On ways to increase milk production; chiefly feed problems.
- 92290 DAUGHERTY, F. C., and DENHAM, A. Cow-calf production compared for seasonal feed level effects. *Colo. Farm & Home Res.* 14(6):4-5. May/June 1964. 100 C712Co
- 92291 DAVIDS, W. Influence of feed rations rich in oxalates on mineral metabolism. (Du) *Vee-teelt en Zuivelber.* 6(5):209-211. May 1963. 49 V51  
Of cattle.
- 92292 DAVIDSSON, J. Intensity and economy. (Sw) *Svensk Husdjursskot. Ladugard.* 2:47-48. Feb. 1964. 44.8 L12  
Feeding of dairy cattle.  
Editorial comments, p.47-48.
- 92293 DEVIN, K. A., and KANDALOV, V. I. Raising calves under nurse cows. (Rus) *Moskov Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok.* 90:55-59. 1963. 20 M857
- 92294 DUVALL, V. L. How much beef from native cows grazing forest range? *Gulf Coast Cattleman* 30(5):10-11,14. July 1964. 43.8 G95  
Louisiana.
- 92295 FESYUN, G. I. Effect of level of protein nutrition on highly productive cows under prolonged experiments. (Rus) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok.* 90:99-104. 1963. 20 M857  
Effect on milk production and physiological state.
- 92296 FREDERIKSEN, P. S. Importance of feed for improved and high-yielding dairy cattle. (Du) *Danske Dyrtaegefor. Medlemsbl.* 47(12):566-574. June 15,1964. 41.9 D23
- 92297 GILES, P. A new system of beef production. (Sp) *Tierra [Mexico]* 19(1):35,74-75. Jan.1964. 8 T445  
Feeding in Great Britain.
- 92298 GUEGUEN, L. Calcium and phosphorus metabolism in a calf receiving full milk enriched with mineral elements. (Fr) *Acad. des Sci. Compt. Rend.* 258(24):5985-5988. June 15,1964. 505 P21
- 92299 HELLBERG, A. The dairy cow and the pig are our best domestic animals. (Sw) *Mjolkpropagandan* 40(11):276. 1963. 44.8 M692  
Feed relationship to milk and meat production.
- 92300 HEM, M. Control of feeding in veal production. (No) *Buskap og Avdratt* 15(3):140,143-145. 1963. 49 B96
- 92301 HERTRAMPF, J. Calf rearing—calf fattening. (Ge) *Tierzuchter* 16(4):120,123. Feb.20,1964. 49 T445  
Chiefly on feeding.
- 92302 HOFMANN, P. Fattening of beef for profit. (Ge) *Tierzuchter* 16(10):358-360. May 20, 1964. 49 T445  
English summary.
- 92303 HUTTON, G. A., RONNING, M., and DOBIE, J. B. High- and low-moisture alfalfa wafers for milk production. *Calif. Agr.* 18(6):3-4. June 1964. 100 C12Cag
- 92304 HUTTON, J. B. Recent findings from Ruakura dairy nutrition studies. *Massey Agr. Col. Dairyfarming Annu.* 1963:137-147. 44.9 M382  
Includes discussion.
- 92305 IDVALL, S. God- och mellankalvsuppfodning [Feeding of veal calves]. *Hushallsk. Forbund. Smaskr.* 58,19 p. 1964. 11 H952
- 92306 JACOBSEN, N. A. Fattening 4-H beef. *Mont. State Col. Ext. B.* 325,16 p. Ref. June 1964. 275.29 M76C
- 92307 KARNACHEV, P. I. Effect of inclusion in cattle rations of minimum amount of hay and carbamide on production and quality of milk. (Rus) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok.* 90:69-72. Ref. 1963. 20 M857
- 92308 KAUFMANN, W. Late winter difficulties in dairy cattle feeding. (Ge) *Tierzuchter* 16(5):146-147. Mar.5,1964. 49 T445
- 92309 KENDALL, K. A., and HARSHBARGER, K. E. The responses of the parturient paretic suspect to varied prepartum grain feeding levels; a preliminary report. *Ill. Vet.* 7(2):5-7. Ref. Spring 1964. 41.8 IL62
- 92310 KIRCHGESSNER, M. The digestibility of the organic substance—a measure for practical cattle feeding. (Ge) *Tierzuchter* 16(8):263-264. Apr.20,1964. 49 T445
- 92311 KOENEN, Influence of feeding on the quality of milk and dairy products. (Ge) *Molk.-Ztg. Welt der Milch* 17(51/52):1565-1566. Dec.20,1963. 44.8 M735
- 92312 KOETSVELD, E. E. VAN. Problems of supplying iodine to dairy cattle. (Ge) *Bodenkultur* 15(1):68-76. Ref. Mar.1964. 19 B635  
English summary.  
Literature review of soil-plant-animal relations.
- 92313 KRAAIKAMP, E. C. VAN. Bedrijfseconomische vergelijking van het mesten van ossen en stieren op basis van graslandprodukten [Economic comparison of the fattening of oxen and steers on the basis of grassland products]. *Wageningen. Proefsta. v. de Akker- en Weidebouw.* 22,39 p. Apr.1964. 12 W12  
German summary.
- 92314 KURASH, B. A. To the problem of raising calves under nurse cows. (Rus) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok.* 90:51-54. 1963. 20 M857
- 92315 LACY, M. D. Feeding in winter; plan your program around feed supply. *Livestock Breeder J.* 6(11):33. Nov.1963. 49 L758  
Beef cattle.
- 92316 LI, S. T. The nutritional process of cattle. (Ch) *Nongye Jishu* 11:40-41. Nov.1962. 22.5 N929
- 92317 LISHMAN, A. W. Beef production in the Cane Belt of Natal. *So. African Sugar J.* 48(5):352-353,355,357,359. May 1964. 65.8 So8  
Feeding of cane tops to beef cattle.
- 92318 LITTON, G. W. Are we selling cattle at time to profit most from forage? *Livestock Breeder J.* 6(7):38-39. July 1963. 49 L758  
Chiefly on grazing.
- 92319 LUCA, F. DE. Comparative calf raising tests. (It) *Cam di Com. Indus. e Agr. di Ancona. B. Econ.* 18(3):1-21. Mar.1964. 280.9 An2  
Feeding.
- 92320 MA, J. L. Drawing water for cattle during the winter. (Ch) *Nongye Jishu* 12:35-37. Dec. 1962. 22.5 N929



- 92321 MCCALED, J. E., PEACOCK, F. M., and HODGES, E. M. Oats and rye for grazing on Florida flatlands. Fla. Agr. Expt. Sta. C. S 152,15 p. May 1964. 100 F66Ci  
Beef cattle.
- 92322 MACHADO, F. DE C. Importance of water in cattle raising. (Por) Gaz. Agr. de Angola 9 (5):1422-1423,1428. May 1964. 24 G252
- 92323 MACKROTT, H. The use of meadows supplementary feed. (Ge) Tierzuchter 16(8):261-263. Apr.20,1964. 49 T445  
Dairy cattle.
- 92324 MACMILLAN, J. A cow's appetite. Dairyfarming Digest 11(1):19-22. Jan./Feb.1964. 44.8 D1443  
Australia.
- 92325 MACMILLAN, K. L. The requirements of a cow at pasture. Dairyfarming Digest 10(5):16-20. Nov./Dec.1963. 44.8 D1443  
Australia.
- 92326 MCNEIL, R. W. The fattening of central Australian bred store cattle in South Australia. Austral. Soc. Anim. Prod. Proc. 4:90-94. 1962. 49.9 Au72
- 92327 MAGLIANO, A. On the fattening of oxen at the end of the working season. (It) Allevatore 20 (2):1. Jan.12,1964. 49 AL55
- 92328 MAHADEVAN, V., and GUPTA, B. N. Comparison of two mineral mixtures by a feeding trial on Haryana calves. Indian Vet. J. 41(5):355-359. May 1964. 41.8 In2
- 92329 MAMAEV, V. A. Experiment in summer feeding of cows with silage. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:127-133. 1963. 20 M857
- 92330 MARSHALL, S. P. Good pasture management is key to dairy profits. Fla. Cattleman & Livestock J. 28(9):72-73. June 1964. 43.8 F66
- 92331 MATHUR, M. L. Para grass [Brachiaria mutica]. Indian Livestock 1(3):9,52. July/Sept. 1963. 49 In23  
For dairy cattle on pasture.
- 92332 MITURSKI, S. Economical utilization of concentrated feeds in ruminant nutrition. (Pol) Przegl. Hodowlany 31(1):29-30. Jan.1963. 49 P952  
Cattle and sheep.
- 92333 MOORE, C. L. The value of milk replacers in raising dairy calves for herd replacements. Natl. Assoc. Col. & Teachers Agr. J. 8(1):14-15. Mar.1964. 275.9 N213
- 92334 NAKASONE, T. Raising dairy cattle from pasturage to barn feeding. (Ja) Dairyman 13(10):20-21. Oct.1963. 44.8 D1454
- 92335 OBRITZHAUSER, W. Intensive pasture use seen from the point of view of the animal. (Ge) Forderungsdienst 11(10):345-349. Oct.1963. 19 F75  
For cattle in Austria.
- 92336 OKLAHOMA, STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. AGRICULTURAL EXTENSION SERV. Managing cattle during drouth; some suggestions to help you meet a recurring problem in Oklahoma. Okla. State U. Agr. Ext. L. 109,8 p.-folder. June 1964. 275.29 Ok41Le  
Feeding beef cattle.
- 92337 ORTH, A., and KAUFMANN, W. The effect of mustard oils on the flavor and odor of milk. (Ge) Kieler Milchwirt. Forschber. 16(3):245-250. 1964. 44.9 K542  
English summary.
- 92338 ORUD, I. Planning of winter feeding. (No) Buskap og Avdratt 15(3):117-119. 1963. 49 B96  
Of dairy cattle.
- 92339 OVCHINNIKOV, S. P. Effect of exchange of skim milk for whey and yeasts on digestibility and nitrogen balance in calves. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:25-31. 1963. 20 M857
- 92340 PALAMARU, E., and HORNOIU, M. Using the corncobs and stalks in a mixture with molasses and urea for cattle fattening. (Rum) Rev. de Zooteh. si Med. Vet. 13(10):5-12. Oct.1963. 49 P943  
English summary.
- 92341 PANDIT, N. N. Urea as a protein feed supplement. Indian Livestock 1(3):44. July/Sept. 1963. 49 In23  
Chiefly for cattle in India.
- 92342 PECHT, G. Minerals before grazing. (Ge) Tierzuchter 16(7):220-221. Apr.5,1964. 49 T445  
Dairy cattle feeding.
- 92343 PIVA, G. Control of laboratory methods of the tolerance of dried milk destined for the preparation of milk meals. (It) Latte 37(6):485-488. Ref. June 1964. 44.8 L35  
English summary.  
Used for calf feeding.
- 92344 PRESTON, T. R., WHITELOW, F. G., and MACLEOD, N. A. The nutrition of the early-weaned calf. VI-VII. Anim. Prod. 6(1):17-30. Ref. Feb.1964. 49 An55  
VI, The effect of supplemental lysine and methionine on the utilisation of groundnut protein; VII, The relative value of four different fish meal products as the major protein source in the diet.
- 92345 RAY, M. L., and CHILD, R. D. Broiler house litter used as roughage in finishing rations for steers. Ark. Farm Res. 13(3):2. May/June 1964. 100 Ar42F
- 92346 RAY, M. L., and CHILD, R. D. Finishing steers in close confinement on concrete successful. Feed Bag 40(5):7,14. May 1964. 389.78 F32
- 92347 REID, J. T., MOE, P. W., and TYRRELL, H. F. Energy requirement of lactating cows. Distill. Feed Res. Council. Conf. Proc. 19:59-63. Ref. Mar.25,1964. 389.79 C765
- 92348 RICHTER, H. E. Influencing milk quality through native plants. II. Changes in taste and odor. (Ge) Wien. Tierarztl. Monschr. 51(4):266-280. (Cont.) Apr.1964. 41.8 T345
- 92349 RIGGS, J. K. Cattle feeding can be profitable anywhere in Texas. Gulf Coast Cattleman 30 (5):5. July 1964. 43.8 G95
- 92350 ROBERTS, W. K., and SEAL, M. E. High concentrate rations for feedlot cattle. Canad. Cattlemen 27(1):9,25-26. Jan.1964. 49 C16
- 92351 SABIROV, P. S. Raising calves by group suckling method. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:60-62. 1963. 20 M857
- 92352 SCHILLING, E. Excess protein feeding and the structure of the adrenal in cattle. (Ge) Zentbl. f. Vetmed. Reihe A, 11(4):315-322. Ref. June 1964. 41.8 Z5  
English summary.
- 92353 SEIFERT, V. Reflections on winter feeding. (Ge) Agros [Hannover] 8(12):16-18. Dec.1963. 18 Ag83  
Of dairy cattle.
- 92354 SEMAK, I. L., and MAKSAKOV, V. YA. Intensivnyi otkorm krupnogo rogatogo skota na sochnykh kormakh [Intensive feeding of cattle with green cut feeds]. Moskva, Izdatel'stvo Sel'skokhozyaistvennoi Literatury, Zhurnalov i Plakatov, 1963. 152 p. 389.7 Se54
- 92355 SENDA, K. The economical supply of winter feed for dairy cattle. (Ja) Dairyman 13(12):12-13. Dec.1963. 44.8 D1454  
Home production.
- 92356 SHAMBEREV, YU. N. Effect of dienestrol diacetate on results of fattening of young cattle. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva, Dok. 90:93-98. 1963. 20 M857
- 92357 SMITH, A. M. Feeding by lead and challenge. Vt. Farm & Home Sci. 6(2):3,9. Fall 1963. 100 V593  
Dairy cattle milk production.
- 92358 STONE, J. B., and LOOSLI, J. K. Using urea in dairy feeds. N. Y. State Col. Agr. (Cornell U.) Ext. Cornell Feed Serv. 58:6-8. June 1964. 275.29 N48Ci
- 92359 STRUVE, W. Problems in pasture feeding. (Ge) Tierzuchter 16(6):182-183. Mar.20,1964. 49 T445  
Cattle.
- 92360 SVENSSON, S. A. Utilize the production capacity of dairy cattle! (Sw) Norrbottens Lantmannabl. 5:103-104. July/Aug.1963. 11 N792  
Chiefly feeding.

- 92361 SZABO, J. Strip grazing. (Hu) Magyar Mezo-gazdasag 19(24):16-18. June 10, 1964. 19 M27 Cattle.
- 92362 UEDA, Y. Rearing calves on artificial milk. (Ja) Dairyman 14(1):18-19. Jan. 1964. 44.8 D1454
- 92363 URBANYI, L. Data on question of carotene supply of cattle. (Hu) Allattenyesztes 13(1): 65-70. Mar. 1964. 49 AL57 English summary.
- 92364 VALADEZ, S., and RAUN, N. S. Effect of stilbestrol and type of forage on the performance of feedlot bulls. (Sp) Tec. Pecuaria en Mex. 2: 23-26. July 1963. 49 T222 English summary, p.4.
- 92365 VELASCO, M., and RAUN, N. S. Effect of liquid supplements and hormonal implantation on the winter gains of Hereford heifers grazing alkaline range. (Sp) Tec. Pecuaria en Mex. 2: 35-38. July 1963. 49 T222 English summary, p.6.
- 92366 VIRTANEN, A. I., and SYVAOJA, E. L. Proteins of cow's milk produced on normal feed and feed containing urea and ammonium salts as the sole nitrogen sources. Suomen Kemistilehti. B, 37(5/6):134. 1964. 385 Su7
- 92367 VOLGER. Experiment in supplementary feeding with magnesium briquets for control of grass tetany. (Ge) Tierzuchter 16(6):183-184, 187. Mar. 20, 1964. 49 T445 Cattle.
- 92368 VOLGER. Grass tetany and intensive pasture management. (Ge) Tierzuchter 16(5):148, 150. Mar. 5, 1964. 49 T445 Cattle.
- 92369 WALLEN, B. Silage and cheese quality. (Sw) Mejeritidskrift 25(4):138-140. Aug. 1963. 44.8 M472
- 92370 WILLIAMSON, J. L. Finishing of beef cattle—critical & costly phase during life cycle feeding. Feeds Illus. 15(3):14, 16, 18. Mar. 1964. 389.78 F326
- 92371 WILTBANK, J. N. Energy a must for reproduction. Canad. Cattlemen 26(10):15, 35. Oct. 1963. 49 C16
- 92372 WING, J. M., and WILCOX, C. J. Supplementary feeds for dairy cattle on succulent forage. Feedstuffs 36(29):22, 53. July 18, 1964. 286.81 F322
- 92373 ZILLO, B. Zootechnical urea in cattle feeding. (It) Riv. di Zootec. 37(4):210-223. Apr. 1964. 49 R52
- 92374 ZOUNER, H. Are milking cows ruminants? (Pol) Nowe Roln. 13(3):26-27. Feb. 1/15, 1964. 20.5 N86 On feeding.
- Veterinary Medicine
- 92375 ABEL, P., and TRAUTNER, T. A. Formation of an animal virus within a bacterium. Z. f. Vererblehre. 95(1):66-72. Ref. 1964. 442.8 Z34 Vaccinia virus and Bacillus subtilis.
- 92376 ABRAMOV, I. V., MAL'TSEV, S. V., and KAS'YANOV, A. F. Isolation of Theileria sergenti from cattle in the Khabarovsk Territory. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:137-139. 1963. 41.9 R923 French summary.
- 92377 AKHMEDOV, R. Some data on the resistance of two cattle breeds to high temperatures of the habitat. (Rus) Uzbek. Biol. Zhur. 6:68-71. 1962. 442.8 Uz1 Latvian Red and local improved.
- 92378 ANCZYKOWSKI, F. Diagnostic use of test-tube agglutination (APM) when testing milk for brucellosis. (Pol) Med. Weter. 20(6):342-344. June 1964. 41.8 M463
- 92379 ANKE, H. The milk sanitation service, a prophylactic task of practicing veterinarians. (Ge) Monh. f. Vetmed. 19(5):161-163. Mar. 1, 1964. 41.8 M742
- 92380 ANKE, H. Reflections on organized galt diagnosis. (Ge) Monh. f. Vetmed. 19(6):211-213. Mar. 15, 1964. 41.8 M742 Cattle.
- 92381 ANKE, H., and SEILS, G. Therapy of streptococcal mastitis in large farms. (Ge) Monh. f. Vetmed. 19(10):370-373. Ref. May 15, 1964. 41.8 M742 Cattle.
- 92382 ARAMBURU, H. G., and DURLACH, A. L. Foot and mouth virus and fever. I. (Sp) Indus. Lech. 46(534/535):21, 22, 24, -26, 28, map. (Cont.) Jan./Feb. 1964. 44.8 In26
- 92383 AUST, S. D. Effects of feeding moldy corn to cattle. Ill. Vet. 7(2):10-12. Ref. Spring 1964. 41.8 IL62 Toxicity.
- 92384 AVERY, D. R. A sequel to improper injection. Sowest. Vet. 16(4):322. Summer 1963. 41.8 So82 Cattle.
- 92385 BAUER, A. G. Causes attributed to a high index of reagents in serum-agglutination of brucellosis, in a farm under control. (Por) Dipan 15(130):24-26. 1963. 41.9 R473 Brazil.
- 92386 BEER, J. Does open stall rearing of cattle present a special danger in relation to occurrences of parasitic diseases? (Ge) Monh. f. Vetmed. 19(10):373-378. May 15, 1964. 41.8 M742
- 92387 BERGMAN, R. K. Effects of a prolonged high environmental temperature on the glucocorticoids in the bovine. Diss. Abs. 24(12, pt. 1): 5498. June 1964. 241.8 M58
- 92388 BHALLA, R. C., SENGAR, D. P. S., and JAIN, G. C. Biometry of the genital tract of buffaloes. Indian Vet. J. 41(5):327-331. May 1964. 41.8 In2
- 92389 BITYUKOV, P. A., and MORDASOV, P. M. Testing of therapeutic preparations for experimental and natural anaplasmosis of cattle in Belorussian SSR. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:223-228. Ref. 1963. 41.9 R923 French summary. Chiefly terramycin.
- 92390 BLOMBERG, H., and GASTRIN, B. On the control of bovine streptococcal mastitis. (Fi) Suomen Elainlaakarilehti 70(6):237-250. June 1964. 41.8 F49 Swedish summary.
- 92391 BOBYLEV, A. K. Fermentation of readily digestible carbohydrates in calf rumen. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:215-221. 1963. 20 M857
- 92392 BOBYLEV, A. K. Nitrogen metabolism in rumen of calves. 2. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:222-227. 1963. 20 M857
- 92393 BOLZ, W. Clinical effect of X-rays on the skin of cattle. (Ge) Zentbl. f. Vetmed. Reihe A, 11 (4):343-357. Ref. June 1964. 41.8 Z5 English summary.
- 92394 BOMER, H. Contribution to the etiology of the "specific-traumatic claw ulcer." (Ge) Deut. Tierarztl. Wchnschr. 71(10):275-277. May 15, 1964. 41.8 D482 English summary. Cattle.
- 92395 BOTARD, R. W. Bovine ruptured uterus. Sowest. Vet. 17(1):68. Fall 1963. 41.8 So82
- 92396 BRABANT, W., SCHULZ, J., and URBANECK, D. Contribution to the biopsy of the udder of cattle. (Ge) Monh. f. Vetmed. 19(10):378-384. Ref. May 15, 1964. 41.8 M742
- 92397 BRABANT, W., and MELKE, H. Open permanent catheter in the teats of cattle as therapeutic and diagnostic measure in mammary gland diseases and as a study method for lactation physiology. (Ge) Monh. f. Vetmed. 19(2): 55-61. Ref. Jan. 15, 1964. 41.8 M742
- 92398 BRATLIE, O. New evaluation of milk quality. (No) Meieriposten 53(24):565-568. June 13, 1964. 44.8 M47 Chiefly mastitis.
- 92399 BROOKBANKS, E. O. Bovine mastitis control. Massey Agr. Col. Dairyfarming Annu. 1963:13-21. 44.9 M382 Includes discussion.



- 92400 BRUNERT, E. Cytological studies on vestibulum smears of cattle with special consideration on indirect determination of estrogenic substances. (Ge) Zentbl. f. Vetmed. Reihe A, 11(4):363-392. (Cont.) June 1964. 41.8 Z5
- 92401 BRUS, D. H. J., and others. Mastitis and machine milking. I. (Du) Tijdschr. v. Diergeneesk. 89(12):823-843. Ref. June 15, 1964. 41.8 T431  
C. H. Cazemier, F. H. J. Jaartsveld, R. D. Politiek, and J. De Rooy, joint authors. English summary.
- 92402 BUCH, N. C., and MEMON, G. N. Effects of abnormal calvings in dairy cattle. Indian Dairyman 16(3):109-110; (4):143-144. Ref. Mar.-Apr. 1964. 44.8 In282
- 92403 BUJWID, J. Influence of the consistency of uterine and vaginal mucus on the efficacy of insemination of cows. (Pol) Przegl. Hodowlany 31(1):22-24. Jan. 1963. 49 P952
- 92404 BYCHKOV, N. P. Dependence of milk productivity of cattle on the weight of internal organs. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:14-20. 1963. 20 M857
- 92405 CANNON, D. Bovine intestinal intussusception. Sowest. Vet. 16(4):325. Summer 1963. 41.8 So82
- 92406 CHABASSE, Y. Considerations on research in cattle cysticercosis in France. (Fr) RTVA 2 (10):37-39. Ref. Jan./Feb. 1963. 50.8 R322
- 92407 CHALOUX, P. A. The present tuberculosis problem. Sowest. Vet. 17(3):225-227. Spring 1964. 41.8 So82  
Cattle.
- 92408 CHANDER, S., and SHARMA, D. D. A case of papilloma in urinary bladder of a female dairy calf. Indian Vet. J. 41(5):362-364. May 1964. 41.8 In2
- 92409 CHRISTIANSEN, M. J. Virus diseases of cattle. (Da) Landbonyt 18(1):25-27. Jan. 1964. 11 L2322
- 92410 CLAASSEN, I., SCHÄETZ, F., and SCHINDLER, W. Control of cattle brucellosis. (Ge) Monh. f. Vetmed. 19(11):401-405. June 1, 1964. 41.8 M742
- 92411 CLAASSEN, I., SCHÄETZ, F., and SCHINDLER, W. On the problem of brucellosis vaccination with the strain Buck 19. (Ge) Monh. f. Vetmed. 19(11):405-409. Ref. June 1, 1964. 41.8 M742  
Cattle.
- 92412 COLOMBO, S. Thickening of the epicardium in the calf. 3. (It) Clin. Vet. 87(5):129-144. Ref. May 1964. 41.8 C61  
English summary.
- 92413 CRAIG, J., BUTLER, R., and NAIRN, M. E. Internal parasites of cattle. West. Austral. Dept. Agr. J. (ser. 4) 5(2):87-88, 91-92, 94, 96-97. Feb. 1964. 23 W52J  
Verminosis.
- 92414 CRAVEN, C. P. Control of a botulism-like disease in north Queensland. Austral. Vet. J. 40(4):127-130. Apr. 1964. 41.8 Au72  
Cattle.
- 92415 CZAKO, J. Biological basis of modern calf rearing. (Hu) Buvar 8(6):337-340. Nov./Dec. 1963. 410 B98
- 92416 DE BOER, C. J., and BARBER, T. L. Segregation of an avirulent variant of rinderpest virus by the terminal dilution technique in tissue culture. J. Immunol. 92(6):902-907. Ref. June 1964. 448.8 J8232
- 92417 DEKKER, N. D. M. Exudative pleurisy. (Du) Tijdschr. v. Diergeneesk. 89(12):855-861. June 15, 1964. 41.8 T431  
English summary.  
Cattle.
- 92418 DIJKSTRA, R. G. The value of hexachlorophene as teat-disinfectant. (Du) Tijdschr. v. Diergeneesk. 89(10):710-711. May 15, 1964. 41.8 T431  
English summary.
- 92419 DOLLAHITE, J. W. Management of the disease produced in cattle on an unbalanced diet of mesquite beans. Sowest. Vet. 17(4):293-296, map. Summer 1964. 41.8 So82
- 92420 DOWLING, D. F. The significance of the thickness of cattle skin. J. Agr. Sci. [London] 62(2):307-311. June 1964. 10 J822  
In different types; includes heat tolerance.
- 92421 DUNAHOO, H. R. Vesicular stomatitis in the Southeast. Soeast. Vet. 15(2):21-23, 39. Ref. Spring 1964. 41.8 Un32  
Cattle.
- 92422 DUTCHER, R. M., and others. Attempts to demonstrate a virus for bovine lymphosarcoma. Zentbl. f. Vetmed. Reihe B, 11(2):93-109. Ref. May 1964. 41.8 Z52  
I. E. Szekely, B. W. Bartie, and J. W. Switzer, joint authors.
- 92423 EDWIN, J. P., and FRANKLIN, T. E. Recent observations on anaplasmosis. Sowest. Vet. 17(1):35-38. Ref. Fall 1963. 41.8 So82  
Cattle.
- 92424 EDWIN, J. R. Recrudescence of anaplasmosis. Sowest. Vet. 17(4):325-326. Summer 1964. 41.8 So82  
Cattle.
- 92425 EGERTON, J. R. Mycotic dermatitis of cattle. Austral. Vet. J. 40(4):144-147. Ref. Apr. 1964. 41.8 Au72
- 92426 EGOROV, I. N. The effect of synthetic nitrogen substances on microfauna of dairy cows' forestomach. (Rus) Veterinariya 3:73-75. Mar. 1964. 41.8 V6426
- 92427 EIBL, K. On Trypophyton infection of cattle. (Ge) Tierarztl. Umschau 19(6):307-308. June 1, 1964. 41.8 T445
- 92428 ENGAN-SKEI, I. Machine milking and mastitis. 6. (No) Norsk Landbr. 12:21. June 12, 1964. 11 N8122
- 92429 ENIGK, K. Liver fluke control of cattle. (Ge) Tierzuchter 16(3):83-84. Feb. 5, 1964. 49 T445
- 92430 EPPERSON, E. E. A case of ketosis in a Jersey cow. Sowest. Vet. 16(4):324. Summer 1963. 41.8 So82
- 92431 FABBRI, C. Activity of the cattle in the success of the lactation. (It) Riv. di Zootec. 36(11):640-646. Nov. 1963. 49 R52  
Effects of age and season.
- 92432 FOOTE, W. C., and KAUSHIK, D. K. LH activity in bovine reproductive tissue. Amer. Soc. Anim. Sci. West. Sect. Proc. 14:301-304. 1963. 389.9 Am31
- 92433 FRANCE, SERV. VETERINAIRE. Control of bovine tuberculosis in 1962. (Fr) Rev. de Med. Vet. [Toulouse] 114(6):453-547, map. June 1963. 41.8 R32
- 92434 FRANSSEN, J. G. A search for Cysticercus bovis in slaughter cows especially by means of ultra-violet rays. (Du) Tijdschr. v. Diergeneesk. 89(11):776-779. June 1, 1964. 41.8 T431  
English summary.
- 92435 GEORGIEV, R., and others. Quantitative expression of chemical composition of cattle urine as creatinine coefficient. (Bu) Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zookhig. Izv. 3:157-163. 1963. 41.9 B874  
S. Antonov, S. Simeonov, and M. Savov, joint authors. German summary.
- 92436 GEORGIEV, R., and ANTONOV, S. Studies on the metabolism and effect of 2-naphthylamine on cattle and the comparison of initial changes caused by it in chronic vesical hematuria. (Bu) Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zookhig. Izv. 3:55-63. 1963. 41.9 B874  
German summary.
- 92437 GIRDA, T. B., LAZAR, S., and NAFORNITA, M. Contributions to the study of calcemia and phosphoremia in milch cows of Banat. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:207-212. Ref. 1963. 106.4 T48  
English summary.
- 92438 GOPANENKO, V. M., and others. Intraperitoneal injection of preparations in the indigestion of calves. (Rus) Veterinariya 3:56-59. Mar. 1964. 41.8 V6426  
I. A. Goloshchapov, Z. M. Starchenkov, A. Kozhukhovskii, and V. V. Belov, joint authors.

- 92439 GOSSLING, J., MCKAY, K. A., and BARNUM, D. A. Colibacillosis of calves in Ontario. I. A serological study of *Escherichia coli* strains. *Canad. Vet. J.* 5(7):151-159. Ref. July 1964. 41.8 R3224
- 92440 GREENE, M. Feed lot herd health management on a consultation basis. *Sowest. Vet.* 17(4): 315-318. Summer 1964. 41.8 So82
- 92441 GRUNERT, E., and GEYER, K. Contribution to the surgical treatment of perforating lesions of the cervix and uterus in cattle. (Ge) *Deut. Tierarztl. Wchnschr.* 71(9):241-244. Ref. May 1, 1964. 41.8 D482  
English summary.
- 92442 GUERREIRO, M. G., TEIXEIRA, M. F. M., and NUNES, J. C. C. A bacillary hemoglobinuria in cattle in Rio Grande do Sul. (Por) *Dipan* 15 (130):4-16. Ref. 1963. 41.9 R473  
English summary.  
Etiological agent, *Clostridium hemolyticum*.
- 92443 GURTLE, H. Nutrition-physiological aspects on the etiology, treatment and prophylaxis of milk fever of cattle. (Ge) *Monh. f. Vetmed.* 19 (9):327-332. Ref. May 1, 1964. 41.8 M742  
Calcium, phosphorus and vitamin D enrichment in the diet.
- 92444 GUSHCHIN, V. N., MATVEEV, A. N., and KOSTYUCHENKO, S. P. Effective method of treatment of mastitis of cattle. (Rus) *Veterinariya* 3:72. Mar. 1964. 41.8 V6426  
With Streptomycin and penicillin.
- 92445 HEAD, H. H. The determination of glucose utilization in the bovine using isotope dilution techniques. *Diss. Abs.* 24(12,pt.1):4891-4892. June 1964. 241.8 M58
- 92446 HEESCHEN, W. Experiments with a modified Latex test for the serologic diagnosis of bovine leucosis. (Ge) *Deut. Tierarztl. Wchnschr.* 71 (10):257-264. Ref. May 15, 1964. 41.8 D482  
English summary.
- 92447 HENDRIKS, H. J. A harness for separate collection of urine and faeces of cows. (Du) *Tijdschr. v. Diergeneesk.* 89(12):844-847. June 15, 1964. 41.8 T431  
English summary.
- 92448 HERRICK, J. B. "Age" cattle by their teeth. *Iowa Farm Sci.* 19(1):3-4. July 1964. 275.28 Io94
- 92449 HERNHOLD, U., and STEINHARDT, M. Can the gait sanitation be hastened by the application of mastitis rapid tests? (Ge) *Monh. f. Vetmed.* 19(4):121-131. Feb. 15, 1964. 41.8 M742  
Cattle.
- 92450 HOFF, H. Mastitis. (No) *Buskap og Avdratt* 15(3):150-152. 1963. 49 B96  
Cattle.
- 92451 HORE, D. Fluke control by injection. *Dairy-farming Digest* 11(1):31-33. Jan./Feb. 1964. 44.8 D1443  
Use carbon tetrachloride and hexachlorethane for treatment of liver fluke in cattle.
- 92452 HOWE, E. C. Symptoms and diagnosis of vibriosis. *Nebr. Cattleman* 20(11):46-47. July 1964. 43.8 N27  
Cattle.
- 92453 HUSSEL, L., and DRECHSLER, M. Control of cattle brucellosis outside of the German Democratic Republic. (Ge) *Monh. f. Vetmed.* 19 (11):409-415. June 1, 1964. 41.8 M742
- 92454 IANELLI, D. The distribution of 47 erythrocyte antigenic factors in Apulian cattle breed. (It) *Prod. Anim.* 2(3):233-238. Ref. Sept. 1963. 49 P945  
English summary.
- 92455 IGARASHI, Y. Cesarean section in cattle. (Ja) *Japan Vet. Med. Assoc. J.* 16(12):31-33. 1963. 41.9 J275
- 92456 IHLENBURG, H., and HAFNER, H. Contribution to infectious keratoconjunctivitis of cattle. (Ge) *Monh. f. Vetmed.* 19(2):64-67. Ref. Jan. 15, 1964. 41.8 M742
- 92457 INAL, T. Hemorrhage and hemorrhage-like foci in slaughter cattle. (Tu) *Ankara U. Vet. Fakul. Dergisi* 10(2):213-218. 1963. 41.9 An4D  
German summary.
- 92458 IRELAND, DEPT. OF AGRICULTURE. Mastitis in cattle. *Ireland. Dept. Agr. L.* 113,3 p. Oct. 1963. 10.5 Ir42
- 92459 JAWORSKI, K. The nitrite screen in the administration of antiparen in cows. (Pol) *Med. Weter.* 20(6):357-359. June 1964. 41.8 M463  
English summary.
- 92460 JOHNS, A. The latest on bloat from New Zealand. *Dairyfarming Digest* 11(1):5-10. Jan./Feb. 1964. 44.8 D1443
- 92461 JOHNS, A. T. Bloat. *Massey Agr. Col. Dairy-farming Annu.* 1963:23-29. 44.9 M382
- 92462 JÖNSGÅRD, K. Prophylaxis of paresis puerperalis in cow-a survey. II. (No) *Nord. Vet-med.* 16(6):572-579. Ref. June 1964. 41.8 N813  
English summary.  
Review of literature.
- 92463 JONSSON, G. Calf diseases. (Sw) *Skand. Kreatursförsäkringsbol. Manadsl.* 41(11/12): 108-110. (Cont.) 1963. 49.9 Sk1
- 92464 KAARDE, J., PETERSON, K., and TOMBERG, A. Treatment of Trichophyton infections with shale phenols. (Es) *Estonkaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov* 30:73-80. 1963. 106 Es83  
German summary.  
Cattle.
- 92465 KAECKENBEECK, A., and SCHOENAERS, F. Studies on colibacillosis of the calf. VI. Intestinal resorption of antibodies in the newborn calf, following successive administrations of colostrum. (Fr) *Ann. de Med. Vet.* 108(2):53-62. Mar. 1964. 41.8 An78
- 92466 KAKIMOTO, K., and others. Application of permanent magnetic bar in the prevention of traumatic gastritis and a method of removing it from the stomach. (Ja) *Japan Vet. Med. Assoc. J.* 16(12):5-9. Ref. 1963. 41.9 J825  
M. Kawaguchi, Y. Yamaguchi, M. Akutsu, E. Miyajima, and Y. Hosaka, joint authors.  
English summary.  
Cattle.
- 92467 KHRISTOFOROV, L., and SIVOVSKI, I. On the hemagglutination test (HA-T) in tuberculosis of cattle. II. (Bu) *Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv.* 8:107-116. 1963. 41.9 So2  
English summary.
- 92468 KIELSZNIA, R. Determination of mineral change in bones of live calves by the radiophotometric method of prof. Sharabrin. (Pol) *Med. Weter.* 20(5):297-300. Ref. May 1964. 41.8 M463  
English summary.
- 92469 KIIN, K. Operative treatment of vaginal prolapse of cows. (Es) *Estonkaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov* 30:153-157. 1963. 106 Es83  
German summary.
- 92470 KOLABSKII, N. A., GAIDUKOV, A. KH., and TARVERDYAN, T. N. Durability of immunity and carrying of piropasms by recuperating animals. (Rus) *Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy* 28:170-176. 1963. 41.9 R923  
French summary.  
Cattle and dogs.
- 92471 KOLB, E. Magnesium metabolism of cattle with special consideration on the origin, treatment, and prophylaxis of hypomagnesemia (grass tetany). (Ge) *Monh. f. Vetmed.* 19(6): 216-221. Ref. Mar. 15, 1964. 41.8 M742  
Cattle.
- 92472 KOOL, K. VON DER. Ovarian deviations and their influence on diseases during the first two months of the lactation period in cows. (Du) *Tijdschr. v. Diergeneesk.* 89(11):780-783. June 1, 1964. 41.8 T431  
English summary.
- 92473 KOSSILA, V. Effects of season and stage of lactation on protein bound iodine and total cholesterol in serum of dairy cows. *Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk.* 35(3):81-91. Ref. 1963. 20 Su7M
- 92474 KOUBA, V. Final phase of fight against brucellosis in cattle in Czechoslovakia. (Cz) *Veterinarství* 14(5):193-196. May 1964. 41.8 V6439



- 92475 KREIS, H. A. Contributions to the knowledge of parasitic nematodes. XXIII. A new nematode from the outer ear canal of Zebu cattle in east Africa, *Rhabditis bovis* n. sp. (Rhabditidae; Rhabditidae). (Ge) Schweiz. Arch. f. Tierheilk. 106(6):372-378. June 1964. 41.8 Sch9  
English summary.
- 92476 KRZYZANOWSKI, J. Studies on the course and treatment with detremycin (chloramphenicol) of mastitis in cows produced experimentally with the use of *Escherichia coli*. (Pol) Lublin. U. Marii Curie-Skłodowskiej. Ann. Sect. DD, 17:283-312. Ref. 1962, pub. 1964. 512 L96Ad  
English summary.
- 92477 KUBA, N., and others. Pathological studies on lesions of the gastro-intestinal tract of cattle. I. (Ja) Japan Vet. Med. Assoc. J. 17(2):26-29. Ref. 1964. 41.9 J275  
S. Matsumoto, K. Ishibashi, T. Inaguchi, and Y. Ono, joint authors.  
English summary.
- 92478 KWIATKOWSKI, T. Alkaline phosphatase activity in healthy calves and those with diarrhea. (Pol) Med. Weter. 20(5):291-293. May 1964. 41.8 M463  
English summary.
- 92479 LAMBUR, E. Content of oestrogens in the urine of cattle during the oestrous cycle. (Es) Estonskaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov 30:26-34. Ref. 1963. 106 Es83  
English summary.
- 92480 LAMOND, D. R. Synchronization of oestrus and ovulation in beef heifers. Austral. Soc. Anim. Prod., Proc. 4:72-78. Ref. 1962. 49.9 Au72
- 92481 LEWIS, A. E. Brucellosis eradication advances. Canad. Cattlemen 27(4):6. Apr. 1964. 49 C16
- 92482 LI, P. N. Study of immunobiological properties of *Piroplasma bigeminum* and *Babesiella colchica* strains, originating from various regions of Uzbek SSR. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:184-191. 1963. 41.9 R923  
French summary.
- 92483 LIPNICKI, J. Fight against cattle brucellosis in Poland. (Cz) Veterinarstvi 14(5):196-198. May 1964. 41.8 V6439
- 92484 LIVINGSTON, H. G., PAYNE, W. J. A., and FRIEND, M. T. Nitrogen metabolism of cattle in East Africa. I. The problem and the experimental procedure. J. Ag. Sci. [London] 62(3):313-319. Ref. June 1964. 10 J822
- 92485 LORTSCHER, H. The udder and milkability. (Ge) Schweiz. Ver. f. Tierzucht. Schr. 31:5-18. Mar. 15, 1963. 49.9 Sch92  
Cattle.
- 92486 LUNGU, T., MILA, C., and OGNERU, D. Therapeutic observations in the ruminant's babesiosis. (Rum) Rev. de Zootech. si Med. Vet. 13 (11):52-55. Nov. 1963. 49 P943  
English summary.  
Cattle and sheep.
- 92487 MCCREARY, K. G. Traumatic reticulitis in a dairy cow. Sowest. Vet. 17(1):70-71. Fall 1963. 41.8 So82
- 92488 MACKEY, D. R. Downer cattle signs and disposition. Sowest. Vet. 17(4):276-277. Summer 1964. 41.8 So82
- 92489 MADEYSKI, S. Attempts of an early diagnosis of pregnancy in cattle using stilbestrol. (Pol) Med. Weter. 20(6):363-365. Ref. June 1964. 41.8 M463
- 92490 MAGNANI, G. Cheese property of milk of cattle treated with therapeutic dose of sulfacetamide. (It) Riv. di Zootec. 36(9):479-483. Sept. 1963. 49 R52
- 92491 MAKUDOV, I. N. Changes in the activity of blood cholinesterase in the case of theileriasis of cattle. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:148-150. 1963. 41.9 R923  
French summary.
- 92492 MARKOV, A. A., D'YAKONOV, L. P., and GROBOV, O. F. Contemporary state of the problem of morphology of anaplasmas and their position in the classification system. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:51-61. Ref. 1963. 41.9 R923  
French summary.  
With reference to anaplasmosis of cattle.
- 92493 MARKOV, A. A., and others. To the problem of specific differentiation of *Theileria sergenti* Yakimoff et Dekhtereff, 1930. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:118-123. 1963. 41.9 R923  
I. V. Abramov, S. Z. Dybovyi, and V. I. Laptev, joint authors.  
French summary.  
With reference to theileriasis of cattle.
- 92494 MARSH, H. L. Management and treatment of respiratory diseases in feed lot cattle. M. S. U. Vet. 24(3):137-139. Spring 1964. 41.8 M582
- 92495 MARSHALL, R. G. Isolation of bovine parainfluenza-3 virus in chick embryos. J. Bact. 88 (1):267-268. July 1964. 44.8 J82
- 92496 MARTIN, J., and HOLZSCHUH, W. A frequently occurring mineral metabolism disorder of fattening bulls. (Ge) Monh. f. Vetmed. 19(9):321-327. Ref. May 1, 1964. 41.8 M742  
Affecting extremities and joints.
- 92497 MEESER, G. Effect of machine milking on spreading of mastitis. (Ge) Monh. f. Vetmed. 19(2):61-64. Jan. 15, 1964. 41.8 M742
- 92498 MEYER, H. F. First isolation of *Toxoplasma gondii* from the retina of cattle. (Sp) Rev. de Med. Vet. [Buenos Aires] 44(6):423-430. Ref. 1963. 41.8 B86  
English summary.
- 92499 MICHELLE, I. Health of the cattle herd in Italy. (It) Riv. di Zootec. 36(10):603-608. Oct. 1963. 49 R52
- 92500 MONTGOMERY, G. A. All about heifers. Feedlot 6(7):10-12. July 1964. 43.8 F32  
As feeder cattle.
- 92501 MOOR, A. DE., BOUCKAERT, J. H., and TOP, W. Surgical treatment of spastic paralysis of cattle through denervation of M. gastrocnemius. (Fl) Vlaams Diergeneesk. Tijdschr. 33(1):1-18. Ref. Jan. 1964. 41.8 V84  
English summary.
- 92502 MORNET, L. Development of prevention of contagious bovine pleuropneumonia. (Fr) Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed. 1(1):131-136. Ref. 1963. 26 L53  
*Mycoplasma mycoides*.
- 92503 MROSK, H. Economic reflections on the problem of alopecia treatment. (Ge) Monh. f. Vetmed. 19(5):191-192. Mar. 1, 1964. 41.8 M742  
Cattle.
- 92504 MULVANY, J. L. The mammary gland. (Sp) Tierra [Mexico] 19(4):296,342-343. (Cont.) Apr. 1964. 8 T445
- 92505 MUNFORD, R. E. A review of anatomical and biochemical changes in the mammary gland with particular reference to quantitative methods of assessing mammary development. Dairy Sci. Abs. 26(7):293-304. Ref. July 1964. 241 Im76
- 92506 NADVORNIK, F. Some tasks of veterinary service in its care for milk hygiene. (Cz) Veterinarstvi 14(5):224-227. May 1964. 41.8 V6439
- 92507 NATIONAL INSTITUTE OF ANIMAL HEALTH (JAPAN). A bovine case of chronic parenchymatous bronchopneumonia possibly induced by pulmonary infection with liver flukes and *Corynebacterium* infection. (Ja) Japan Vet. Med. Assoc. J. 17(1):17-19. 1964. 41.9 J275
- 92508 NEMOTO, H. Johne's disease. (Ja) Japan Vet. Med. Assoc. J. 16(12):1-4. Ref. 1963. 41.9 J275
- 92509 NIKOLAEV, V. A., and NIKOLAEVA, L. V. Isolation of cytopathogenic viruses causing diseases of respiratory organs of calves. (Rus) Veterinariya 3:10-13. Ref. Mar. 1964. 41.8 V6426

- 92510 NILAKANTAN, P. R. Mucosal disease, an awful accomplice of rinderpest. *Indian Livestock* 1(3):40-42. July/Sept.1963. 49 In23  
In buffaloes in India.
- 92511 NOWICKI, L., and ZAJAC, H. A case of pseudohypertrophia lipomatosa musculorum in a heifer. (Pol) *Med. Weter.* 20(5):279-281. Ref. May 1964. 41.8 M463  
English summary.
- 92512 NURMI, E. On mastitis diagnosing. (Fi) *Suomen Eläinlääkäri-lehti* 70(5):201-205. May 1964. 41.8 F49  
English summary.  
Cattle.
- 92513 OBERST, F. H. The role of nutrition in certain dairy cattle diseases. *M. S. U. Vet.* 24(3):101-107. Spring 1964. 41.8 M582  
Chiefly deficiency diseases.
- 92514 OBIGER, G. On the pathogenicity of group B streptococci (Sc. agalactiae) to man and cattle and on experimental infections of bovine mammary glands with human agalactiae-strains. (Ge) *Z. f. Hyg. u. Infekkrank.* 149(6):446-472. Ref. 1964. 449.8 Z3
- 92515 OEKONOMISCHE UND GEMEINNUTZIGEN GESELLSCHAFT DES KANTONS BERN. KOMMISSION FÜR RINDVIEHZUCHT. Udder examination and milking ability. (Ge) *Grüne* 92(23):709-732. June 5, 1964. 17 Sch9
- 92516 OHASHI, Y. Piroplasmiasis and the prevention of ticks. (Ja) *Dairyman* 13(8):32-33. Aug. 1963. 44.8 D1454
- 92517 OKAMOTO, S. A study on the characterization of 17-hydroxycorticosteroids in cow urine. (Ja) *Jap. J. Zootech. Sci.* 34(6):404-408. Ref. Dec. 1963. 49 N62  
English summary.  
Hydroxycortisone contained in the urine.
- 92518 OOSTERLEE, C. C., and BOUW, J. A set of instruments for routine determination of blood groups in cattle. *Tijdschr. v. Diergeneesk.* 89(10):683-686. May 15, 1964. 41.8 T431
- 92519 ORLOV, N. P. Scientific prerequisites for pathogenetic treatment of theileriasis of cattle. (Rus) *Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy* 28:164-169. 1963. 41.9 R923  
French summary.
- 92520 PARN, H. X-ray study for the estimation of mineral metabolism in dairy cows. (Es) *Estoniskaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov* 30:137-143. Ref. 1963. 106 Es83  
English summary.
- 92521 PATEL, B. M. What goes on in the first stomach of a cow. *Indian Livestock* 1(3):34-35. July/Sept. 1963. 49 In23
- 92522 PAYNE, J. B. Purulent meningo-encephalomyelitis in the bovine. *Sowest. Vet.* 17(1):69-70. Fall 1963. 41.8 So82
- 92523 PETTE, J. W. Udder infections and quality milk production. (Du) *CMC Melk* 19(18):322-323, 330. Jan. 11, 1964. 44.8 C11  
Includes influence of antibiotics in milk.
- 92524 PHILLIPS, W. A. Probable pesticide poisoning in a group of heifers. *Veterinarian* 10(2):9. Mar. 1964. 41.8 V6457  
Probable rodenticide poisoning.
- 92525 PIERCE, A. E., RISDALL, P. C., and SHAW, B. Absorption of orally administered insulin by the newly born calf. *J. Physiol.* 171(2):203-215. Ref. June 1964. 447.8 J82
- 92526 PINTEA, V., and others. Calcium and phosphorus level in newly born calves. (Rum) *Bucharest. Inst. Agron. Timisoara. Lucrari Sti.* 6:213-221. 1963. 106.4 T48  
N. Gluhovschi, S. Lazar, and I. Vintila, joint authors.  
English summary.
- 92527 PLOWRIGHT, W. The growth of virulent and attenuated strains of rinderpest virus in primary calf kidney cells. *Arch. f. die Gesam. Virusforsch.* 14(4):431-448. Ref. 1964. 448.3 Ar23
- 92528 POLAK, L. This year's-plan in cattle TB and brucellosis control is out-standing with healthy, highly productive heifers. (Cz) *Veterinarstvi* 14(5):231-232. May 1964. 41.8 V6439
- 92529 POLISHCHUK, S. D. Excretory function of salivary glands in calves. (Rus) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok.* 90:209-214. 1963. 20 M857
- 92530 POLYAKOV, V. F., and LAPTEV, V. I. Changes in biochemical and hematological blood indices in the case of theileriasis of cattle. (Rus) *Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy* 28:151-156. Ref. 1963. 41.9 R923  
French summary.
- 92531 POVILAITIS, V. V. Babesiosis of cattle in Lithuanian SSR. (Rus) *Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy* 28:86-90, map. 1963. 41.9 R923  
French summary.
- 92532 RAMSEY, F. K., and TYLER, D. E. The bovine viral diarrhea-mucosal disease complex. *Iowa Vet.* 35(3):7-10. May/June 1964. 41.8 Io9
- 92533 RAO, C. C. P. The mastitis menace; sure way of diagnosis and treatment. *Indian Livestock* 1(3):48-49. July/Sept. 1963. 49 In23  
Cattle.
- 92534 RASULOV, I. KH. Experiments in cross inoculation with Theileria annulata strains (Dschunkowsky et Luhs, 1904), originating from various regions of the Uzbek SSR. (Rus) *Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy* 28:140-147. 1963. 41.9 R923  
French summary.  
Cattle.
- 92535 RAUCHBACH, K. Enlarged and suppurating thymus of a calf. (Ge) *Monh. f. Vetmed.* 19(5):190-191. Mar. 1, 1964. 41.8 M742
- 92536 REEK, H. Some data on the economic losses caused by fasciolosis in the Estonian S.S.R. (Es) *Estoniskaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov* 30:123-127. Ref. 1963. 106 Es83  
English summary.  
Cattle.
- 92537 RENDEL, J. A study of the variation in cattle twins and pairs of single born animals. III. Body measurements. *Z. f. Tierzucht. u. Zuchtbiol.* 79(4):319-327. Ref. Feb. 1964. 442.8 Z35
- 92538 RICHTER, H., and SCHRODER, M. On manganese content of cattle hairs. (Ge) *Monh. f. Vetmed.* 19(5):180-183. Ref. Mar. 1, 1964. 41.8 M742
- 92539 RIEMER, F., and SCHONE, G. Practice experiences with "Parevert," a new Ca-Mg-preparation from the VEB Serum Works of Bernburg. (Ge) *Monh. f. Vetmed.* 19(8):291-292. Apr. 15, 1964. 41.8 M742  
Therapy of calcium metabolism disturbances of cattle.
- 92540 ROGERS, T. E., HIDALGO, R. J., and DIMOPOULLOS, G. T. Immunology and serology of *Anaplasma marginale*. I. Fractionation of the complement-fixing antigen. *J. Bact.* 88(1):81-86. Ref. July 1964. 448.3 J82  
From calves.
- 92541 ROMAGNOLI, A., CATARSINI, O., and PIRO, A. Research on cattle transported by rail; behavior of blood serum calcium and phosphorus in fattening and slaughter males. (It) *Prod. Anim.* 2(3):215-222. Ref. Sept. 1963. 49 P945  
English summary.
- 92542 ROSNER, S. F. Bovine virus diarrhea—BVD. *Iowa Vet.* 35(3):11-14. May/June 1964. 41.8 Io9
- 92543 ROZTOCIL, V., and others. Actinomyositis in cattle. (Cz) *Veterinarstvi* 14(5):206-211. May 1964. 41.8 V6439  
L. Nemecek, Z. Cech, and O. Mraz, joint authors.
- 92544 SANDER, W. Delivery of milk of cows treated in veterinary hospital to the dairies; reply to a discussion contribution. (Ge) *Monh. f. Vetmed.* 19(9):332-334. Ref. May 1, 1964. 41.8 M742  
Legislation.
- 92545 SAUCIER, A. Improvement of the quality of milk by control of mastitis. (Fr) *Quebec Lait.* 23(4):12-13, 34. Apr. 1964. 44.8 Q3  
By proper milking technique.



- 92546 SAURAT, P., LAUTIE, R., and GERAL, M. F. Aujeszky's disease in France; evidence of a new case in the southwest. (Fr) Rev. de Med. Vet. [Toulouse] 114(6):401-411. Ref. June 1963. 41.8 R32  
English summary.  
In a cow.
- 92547 SEGLIN, A. K. Treatment of chronic endometritis of cows with Lugol's solution. (Rus) Veterinariya 3:71-72. Mar. 1964. 41.8 V6426
- 92548 SEILS, H. Studies on leucosis of cattle. V. (Ge) Monh. f. Vetmed. 19(5):168-173. Ref. Mar. 1, 1964. 41.8 M742  
Review of literature.
- 92549 SEPP, V. Etiology and treatment of vaginal prolapse of cows. (Es) Estonskaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov 30:144-152. Ref. 1963. 106 Es83  
German summary.
- 92550 SERYKH, A. P. Methods for quantitative determination of volatile fatty acids in chyme of rumen of young bulls. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:228-233. 1963. 20 M857
- 92551 SETTERGREN, I. The ovarian morphology in clinical bovine gonadal hypoplasia with some aspects of its endocrine relations. Acta Vet. Scand. 5(sup.1), 108 p. Ref. 1964. 41.8 Ac87
- 92552 SHARABRIN, I. G. Raising healthy and highly productive cattle herds. (Rus) Veterinariya 3:53-56. Mar. 1964. 41.8 V6426  
Prevention of diseases, and metabolism.
- 92553 SHIPILOV, V. S., and RUBTSOV, V. I. Prophylaxis of delivery complications and puerperium diseases of cows. (Rus) Veterinariya 3:65-69. Mar. 1964. 41.8 V6426
- 92554 SIMEONOV, S. Studies on calcium picture and inorganic phosphorus content in the blood serum of dairy cows. (Bu) Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zookhig. Izv. 3:171-178. 1963. 41.9 B874  
German summary.
- 92555 SIMEONOV, S., and others. Studies on the harmful effect of urea on cows. (Bu) Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zookhig. Izv. 3:83-90. Ref. 1963. 41.9 B874  
N. Nadenov, P. Pramatarska, and G. Atsev, joint authors.  
German summary.
- 92556 SIMMONS, G. C., and TAMMEMAGI, L. Clostridium botulinum type D as a cause of bovine botulism in Queensland. Austral. Vet. J. 40(4):123-127. Ref. Apr. 1964. 41.8 Au72
- 92557 SINGH, O. N. Knuckled knee, a hereditary defect in Tharparkar cattle. Indian Vet. J. 41(5):344-346. May 1964. 41.8 In2
- 92558 SLANINA, L., and ROSSOW, N. Special diagnosis in some diseases of forestomach-abomasum complex. (Ge) Monh. f. Vetmed. 19(8):282-291. Ref. Apr. 15, 1964. 41.8 M742  
Cattle.
- 92559 SLAWETA, L. When cows and heifers should not be inseminated. (Pol) Przegl. Hodowlany 31(2/3):25-27. Feb./Mar. 1963. 49 P952  
Abnormalities in estrus and sex organs diseases.
- 92560 SMID, M. Experiences with Trichophytis control in large-capacity barns for calves in Trutnov. (Cz) Veterinarstvi 14(5):202-205. May 1964. 41.8 V6439
- 92561 SMIDT, D. Dehorning of cattle. (Ge) Tierzuchter 16(2):37-40. Jan. 20, 1964. 49 T445
- 92562 SMIDT, D. The importance of pregnancy diagnosis of cattle before grazing. (Ge) Tierzuchter 16(5):147-148. Mar. 5, 1964. 49 T445
- 92563 SPARAPANI, G. C. Research on the specific value of the biological diagnosis of trichomoniasis in dairy cattle by the lactosum precipitin reaction. (It) Latte 38(3):267-268, 270-271. Ref. Mar. 1964. 44.8 L35
- 92564 SPEER, E. W. Mucosal disease complex. Iowa Vet. 35(3):14-15. May/June 1964. 41.8 Io9
- 92565 SPRYSZAK, A., and ZORAWSKI, C. Use of isonicotinic acid hydrazide for rearing healthy calves in herds infected with tuberculosis. (Pol) Med. Weter. 20(5):263-270. May 1964. 41.8 M463  
English summary.
- 92566 STELLMACHER, W., and HEYDENREICH, G. Prophylaxis of young animal diseases with curdled milk. (Ge) Monh. f. Vetmed. 19(3):89-90. Feb. 1, 1964. 41.8 M742  
Calf and baby pig.
- 92567 STEPANOVA, N. I., and MALAKHOV, A. G. Improved method for preparation of anaplasmosis antigen. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:215-218. 1963. 41.9 R923  
French summary.  
For diagnosis of anaplasmosis in cattle and sheep.
- 92568 STORRY, J. E., and ROOK, J. A. F. Plasma triglycerides and milk-fat synthesis. Biochem. J. 91(3):27C-29C. June 1964. 382 B52  
In cattle.
- 92569 STROLE, M. B. Coccidiosis in feedlot heifers. Sowest. Vet. 17(2):152. Winter 1964. 41.8 So82
- 92570 SUDACHENKOV, V. V. Problems of immunity and immunization in the case of babesiosis of cattle. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:177-183. Ref. 1963. 41.9 R923  
French summary.
- 92571 SUPPERER, R., and PFEIFFER, H. Studies on the genus Strongyloides. III. Resistance. (Ge) Zentbl. f. Vetmed. Reihe B, 11(2):143-146. May 1964. 41.8 Z52  
English summary.  
Strongyloides papillosus in cattle.
- 92572 TARKIEWICZ, S. Clinical aspects of the Hoflund's syndrome. (Pol) Med. Weter. 20(6):354-357. Ref. June 1964. 41.8 M463  
In cattle.
- 92573 TARKIEWICZ, S. Comparative investigations of total protein content and protein fractions of the peritoneal fluid and blood serum. Lublin. U. Marii Curie-Sklodowskiej. Ann. Sect. DD, 17:235-242. 1962, pub. 1963. 512 L96Ad  
Cattle.
- 92574 TARKIEWICZ, S. Influence of intravenous injections of vitamins D3 and A + D2 on the content of calcium, phosphorus, potassium, sodium, total cholesterol, total protein and protein fractions, and on the activity of alkaline and acid phosphatase in the serum of cows. (Pol) Lublin. U. Marii Curie-Sklodowskiej. Ann. Sect. DD, 17:243-257. 1962, pub. 1964. 512 L96Ad  
English summary.
- 92575 TAYLOR, D. O. N. Occurrence of the viral diarrhea-mucosal disease complex in Texas. Sowest. Vet. 17(3):193-199. Ref. Spring 1964. 41.8 So82  
Cattle.
- 92576 TAYLOR, P. A., and MEADS, E. B. An outbreak of salmonellosis in mature dairy cattle. Canad. Vet. J. 4(12):328-331. Dec. 1963. 41.8 R3224
- 92577 TIMOFEEV, B. A. Comparative study of trichomonads of swine in cattle. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:317-324. Ref. 1963. 41.9 R923  
French summary.
- 92578 TODD, J. R., and MORRISON, N. E. Control of hypomagnesaemic tetany by foliar application of calcined magnesite. Brit. Grassland Soc. J. 19(2):179-182. June 1964. 60.19 B773  
Dairy cattle.
- 92579 TOLKUN, S. Supernumerary limbs (polymelia) in a calf and investigation in relation to this abnormality. (Tu) Ankara U. Vet. Fakul. Der-gisi 10(2):158-165. Ref. 1963. 41.9 An4D  
German summary.

- 92580 TOMOV, A., and others. On the problem of toxicity of young oak branches and leaves. (Bu) Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zookhig. Izv. 3:103-115. Ref. 1963. 41.9 B874  
A. Savov, S. Antonov, and A. Dimitrov, joint authors.  
German summary.  
To cattle.
- 92581 TULLOCH, N. M. Seasonal variations in skin secretions of beef cattle. Austral. Soc. Anim. Prod. Proc. 4:69-71. 1962. 49.9 Au72
- 92582 URMAN, H. K., and GRACE, O. D. Hereditary encephalomyopathy; a hydrocephalus syndrome in newborn calves. Cornell Vet. 54(2):229-249. Ref. Apr. 1964. 41.8 C81
- 92583 USHLJIMA, J. Examination of the rectum of cattle. (Ja) Dairyman 13(11):20-21. Nov. 1963. 44.8 D1454
- 92584 VASILENKO, K. F. Migration of poultry tuberculosis agent to cattle. (Rus) Veterinariya 3: 26-28. Mar. 1964. 41.8 V6426  
Includes allergy tests.
- 92585 VAU, E. The structure of the uterine cervix of the cow and its age-connected changes. (Es) Estonskaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov 30:3-9. 1963. 106 Es83  
German summary.
- 92586 VENKATARATNAM, A. Incidence of paracooperiasis in Andhra Pradesh. Indian Vet. J. 41(5):349-351. May 1964. 41.8 In2  
Nodular enteritis of buffalo caused Paracooperia (Cooperia) nodulosa.
- 92587 VEREERTBRUGGHEN, A. Distribution and treatment of mastitis on dairy farms; is eradication possible? (Fl) Vlaams Diergeneesk. Tijdschr. 33(1):25-29. Jan. 1964. 41.8 V84
- 92588 VERGARA O., J. E. Crianza y enfermedades de vacunos [Raising and diseases of cattle]. Peru. Serv. de Invest. y Prom. Agr. B. Tec. 44, 16 p. Oct. 1963. 9.8 P439  
Chiefly diseases.
- 92589 VINTILA, I., and CINDEA, A. Contributions to the quantitative level of blood constants in young calves and some correlations of these with the milk production. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:237-249. Ref. 1963. 106.4 T48  
English summary.
- 92590 VLADUTIU, O., IONESCU, G., and MURGU, I. Research on dehorning by elastic constriction. (Rum) Rev. de Zooteh. si Med. Vet. 14(5):65-71. May 1964. 49 P943  
English summary.  
Cattle.
- 92591 VOIGTLANDER, K. H. The effect of age on the composition of milk. (Ge) Arch. f. Tierzucht 7(2):171-190. Ref. 1964. 49 Ar23  
English summary.
- 92592 VORONOVICH, N. D. To the problem of anaplasmosis of cattle in Drissa District of the Vitebsk Region. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:209-214. 1963. 41.9 R923  
French summary.
- 92593 VOSKOBOINIKOV, V. M. Combined treatment of cows with retained placenta. (Rus) Veterinariya 3:69-70. Mar. 1964. 41.8 V6426  
With antibiotics.
- 92594 WALKER, D. Serum enzyme assays in cattle. Vet. Rec. 76(24):668-669. June 13, 1964. 41.8 V641
- 92595 WALSER, K. Hygiene at birth—proposition for reducing young animal mortality. (Ge) Tierzucht 16(7):228-229. Apr. 5, 1964. 49 T445  
Cattle.
- 92596 WANG, T. S. Method of creation of isolated ventricle from lesser curvature of abomasum of calves. (Rus) Mosk. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:234-240. 1963. 20 M857
- 92597 WEDROWSKI, T. Economic conditions and general tuberculosis eradication program in Puck County. (Pol) Przegl. Hodowlany 31 (2/3):9-10. Feb./Mar. 1963. 49 P952  
Cattle.
- 92598 WENDT, K., and LESKE, U. Diagnosis of chronic mastitis. (Ge) Monh. f. Vetmed. 19(2): 49-55. Ref. Jan. 15, 1964. 41.8 M742  
Cattle.
- 92599 WERNER, E. Ectopia cordis cervicalis of calf. (Ge) Monh. f. Vetmed. 19(5):183-187. Ref. Mar. 1, 1964. 41.8 M742
- 92600 WISNIOWSKI, J., ROMANIUKOWA, K., and DROZDZYNSKA, M. Some observations on the antiglobulin test in serological diagnosis of bovine brucellosis. (Pol) Med. Weter. 20(6): 327-332. Ref. June 1964. 41.8 M463  
English summary.
- 92601 WOHANKA, K. The accomplishments of artificial insemination in control of vibriosis and trichomoniasis and in their prerequisites. (Ge) Monh. f. Vetmed. 19(6):213-216. Mar. 15, 1964. 41.8 M742  
Cattle.
- 92602 WOJCIK, S. The influence of vitamin A on lactation of cows. (Pol) Roczn. Nauk Roln. 82-B-3: 697-717. Ref. 1963. 20.5 R59  
English summary.
- 92603 WOLOSZYN, S., KRZYZANOWSKI, J., and ZIOLO, T. Investigations of mastitis blastomycetica in cows. (Pol) Med. Weter. 20(6): 332-342. Ref. June 1964. 41.8 M463  
English summary.  
Caused by various species of Candida.
- 92604 YAMADA, S., and others. Distribution of neutralizing antibody for infectious bovine rhinotracheitis virus in southern Japan. (Ja) Japan Vet. Med. Assoc. J. 17(1):28-30. Ref. 1964. 41.9 J275  
Y. Koda, T. Ichihara, and T. Ichihara, joint authors.  
English summary.
- 92605 ZAHOI, Z. Experiences with the diagnosis of resistant cows with active lung TB. (Cz) Veterinarstvi 14(5):198-200. May 1964. 41.8 V6439
- 92606 ZELEZNIK, Z., and JUNG, M. Isolation and tentative identification of two strains of viruses, probably from the bovine enterovirus group. (Se) Vet. Arh. 33(1/2):20-26. 1963. 41.8 V6416  
English summary.
- 92607 ZHURNAKOVA, M. A., and others. Paraallergic reaction to tuberculin in cattle, infected with fowl type of mycobacteria. (Rus) Veterinariya 3:23-25. Mar. 1964. 41.8 V6426  
V. I. Malygin, A. N. Borisenkova, and I. A. Bolotnikov, joint authors.

# Miscellaneous

- 92608 ALLEN, A. V. Beef boost; N.C. moves in on one million acres. Livestock Breeder J. 6(7): 60-63. July 1963. 49 L758
- 92609 ALLEN, A. V. Quit making excuses for those culls. Livestock Breeder J. 6(7):50, 52. July 1963. 49 L758  
Beef cattle.
- 92610 ARMSTRONG, T. Time for change in our grading system. Livestock Breeder J. 6(7):146-149. July 1963. 49 L758  
Beef cattle.
- 92611 BAKER, F. H. How's your calves—excellent or "just another excuse?" Livestock Breeder J. 7(2):14, 18. Feb. 1964. 49 L758
- 92612 BARTA, O. Discussion of the problems of large-capacity barns for calves. (Cz) Veterinarstvi 14(5):222-224. May 1964. 41.8 V6439
- 92613 BEGUCHEV, A. P. Peredovoi opyt vosproizvodstva stada krupnogo rogatogo skota [Advanced experience in the reproduction of cattle herd]. Moskva, Izdatel'stvo Ministerstva Sel'skogo Khozyaistva RSFSR, 1963. 114 p. 43 B392P  
Care of replacement calves and heifers.
- 92614 BETTINI, T. M., and FREDELLA, G. Comparison between hand and machine milking with and without stripping. (It) Prod. Anim. 2(3):223-231. Sept. 1963. 49 P945  
English summary.



- 92615 BETTINI, T. M., LEON, M., and MATASSINO, D. Ecological observations on the raising of dairy cattle in the Ecuador Sierra. (It) Riv. di Agr. Subtrop. e Trop. 58(1/3):47-73. (Cont.) Jan./Mar. 1964. 26 Ag82
- 92616 BOCKELMANN, I. VON. Some observations on the bacteriological milk quality in loose housing. (Sw) Mjolkpropagandan 40(11):277. 1963. 44.8 M692
- 92617 BOGNER, H. Dairy cattle rearing for quality milk production. (Ge) Tierzuchter 15(24):884-886. Dec. 20, 1963. 49 T445
- 92618 BONSEMBIANTE, M. Technical and economic aspects of production of cattle meat. (It) Riv. di Zootec. 1 37(5):293-303. (Cont.) May 1964. 49 R52  
In Italy.
- 92619 BUCHANAN, J. S. Beef can up farm incomes! Livestock Breeder J. 7(5):8. May 1964. 49 L758  
On farms in North Carolina.
- 92620 BUCKLER, P. Beef cattle. Young Farmers' Club Booklet 34, 48 p. Ref. Feb. 3, 1963. 10 Y82  
Great Britain.
- 92621 BURGI, P. On the method of testing milkability. (Ge) Schweiz. Ver. f. Tierzucht. Schr. 31: 19-31. Mar. 15, 1963. 49.9 Sch92
- 92622 CATTLE brands of Texas. 1. Sowest. Vet. 17(1):39-44. Fall 1963. 41.8 So82
- 92623 CATTLE brands of Texas. 2. Sowest. Vet. 17(2):114-118. Winter 1964. 41.8 So82
- 92624 CENA, M. Zoohygienic observations on behavior of dairy cattle in open stall rearing. (Ge) Arch. f. Tierzucht 7(1):21-31. 1964. 49 Ar23  
English summary.
- 92625 CLAESSION, O. Current problems in connection with machine milking. (Sw) Svensk Husdjursskot. Ladugard. 2:51-52. Feb. 1964. 44.8 L12
- 92626 CSOMOS, Z. Quality heifer production. (Hu) Magyar Mezogazdasag 19(19):16. May 6, 1964. 19 M27
- 92627 DANISH MILK RECORDING SOCIETIES. Survey of the statistical results, 1962-63, by T. Andersen. Roskilde, 1964. 32 p. 44.9 D22
- 92628 FARKAS, MRS. P. Cattle breeding farms of agricultural cooperatives. (Hu) Magyar Mezogazdasag 19(26):22-23. June 24, 1964. 19 M27
- 92629 FERGUSON, J. R. How about your prospects who raise beef part time. Livestock Breeder J. 6(7):107,109,111. July 1963. 49 L758
- 92630 FERRARA, B. Some aspects of raising buffaloes in Italy. (It) Riv. di Zootec. 37(5):304-320. (Cont.) May 1964. 49 R52  
Especially milk production.
- 92631 FRYE, J. B., and others. Your guide for raising dairy calves. La. U. Agr. Ext. Ext. P. 1372, 17 p. Dec. 1963. 275.29 L93Ep  
H. W. Anderson, W. H. Waters, and B. L. Kilpatrick, joint authors.
- 92632 GRIGNANI, U. Closed and open stalls in the Po Valley. (It) Riv. di Zootec. 37(5):274-291. (Cont.) May 1964. 49 R52  
On cattle farms.
- 92633 GRISSOM, E. E., BUCKLEY, R. O., and SWOOPE, W. M. Mississippi on-the-farm performance testing program; more calves, bigger calves, better calves, through performance testing. Miss. State U. Agr. Ext. P. 495, 6 p.-folder. Mar. 1964. 275.29 M68Ext
- 92634 HAEGGBLOM, S. Can we get more milk from the udder? (Sw) Lantmannen 75(4):106-108. Jan. 25, 1964. 11 L234  
Machine milking.
- 92635 HALLER, C. J. Annual dairy physical examinations to go? Vet. News 28(2):5. Mar./Apr. 1964. 41.8 V6491  
Adoption of a screening test such as the Whiteside Test for monthly tests on milk in New York.
- 92636 HENKEL, H. Preparing the dairy cattle for grazing. (Ge) Tierzuchter 16(6):181-182. Mar. 20, 1964. 49 T445
- 92637 HRYCYK, B. Research on cattle meat in Poland and abroad. (Pol) Nowe Roln. 13(2):28-31. Jan. 16/31, 1964. 20.6 N86
- 92638 HULSHOF, T. Investigation of the transition from manual milking to machine milking. (Du) Veeteelt en Zuivelber. 6(9):354-356. Sept. 1963. 49 V51  
Effects on quality.
- 92639 HUME, C. W. An appeal to British Jews; the history of the Weinberg casting pen. UFAW Cour. 20:4-7. Winter 1963. 48.8 Uf1  
Cattle slaughtering.
- 92640 IWEMA, S. Cattle husbandry in a changing countryside. (Du) Veeteelt en Zuivelber. 5(10): 364-371. Oct. 1962. 49 V51  
Farms.
- 92641 JACOBS, F. Rangeland heraldry. Canad. Cattlemen 27(5):12-14. May 1964. 49 C16  
Branding.
- 92642 JENSEN, S. G. Short term tests and progeny testing. (Da) Landbonyt 18(1):6-8. Jan. 1964. 11 L2322  
Dairy cattle.
- 92643 JUNGHEULSING. Is dairy cattle rearing still profitable? (Ge) Tierzuchter 16(1):3-5. Jan. 5, 1964. 49 T445
- 92644 KALICH, J. After the grazing period back in the stall. (Ge) Tierzuchter 15(23):859-860. Dec. 5, 1963. 49 T445  
Cattle.
- 92645 KEESTRA, J. J. Research on the capability for milking of cows in Denmark, Sweden and Germany. (Du) Veeteelt en Zuivelber. 5(10): 372-376. Oct. 1962. 49 V51
- 92646 KOPPARBERGS LANS KONTROLLFORENING. Report on the milk recording work, 1962-63. (Sw) Lantbrtidskr. f. Dalarna 77(1):2-20. 1964. 11 L29
- 92647 KRAUSE, E. Relationships between type and performance in cattle with particular reference to the part played by the connective tissue of the liver. II. (Ge) Berlin. Humboldt-U. Wiss. Z. Math. Natwiss. Reihe 13(1):85-94. Ref. 1964. 509 B453  
Dairy cows.
- 92648 KWASIEBORSKI, J. Result of milk productivity of cows in 1962. (Pol) Przegl. Hodowlany 32, i.e. 31(11):8-16. Nov. 1963. 49 P952
- 92649 LACY, M. D. New year offers best time for "check-up" on your herd. Livestock Breeder J. 7(1):18, 20. Jan. 1964. 49 L758  
Beef cattle.
- 92650 LANDERS, J. H. Beef herd production testing. Oreg. State U. Ext. FS 70, 2 p. June 1964. 275.29 Or36
- 92651 LONG, R. A. How about those "fat" steers in the future? Livestock Breeder J. 7(1):26-27. Jan. 1964. 49 L758
- 92652 LYNCH, D. J. International bullistic muscle program. Canad. Cattlemen 27(6):23-24. June 1964. 49 C16  
Beef cattle records and testing.
- 92653 MCPHEE, C. P., MCBRIDE, G., and JAMES, J. W. Social behaviour of domestic animals. III. Steers in small yards. Anim. Prod. 6(1):9-15. Ref. Feb. 1964. 49 An55
- 92654 MAJEWSKI, T. The influence of cleanliness of milkers' hands on bacterial milk contamination. (Pol) Roczn. Nauk Roln. 82-B-3:663-666. 1963. 20.5 R59  
English summary.
- 92655 MAJEWSKI, T. The influence of skin hygiene in cows on bacterial contamination of milk during milking. (Pol) Roczn. Nauk Roln. 82-B-3: 657-661. 1963. 20.5 R59  
English summary.
- 92656 MALMOHUS LANS HUSHALLNINGSSALLSKAP. Kontrollforeningsverksamheten [The milk recording activities], 1962-1963. Malmo, 1964. 78 p. 43.9 M292
- 92657 MORIMOTO, H. The establishment of standards for Japanese dairy cattle raising. (Ja) Dairyman 13(11):6-7, map. Nov. 1963. 44.8 D1454
- 92658 NICHOLSON, H. H. Beef cattle R.O.P. [Record of Performance] program. Canad. Cattlemen 27(7):6, 11. July 1964. 49 C16
- 92659 PASEK, J. Results of cow milk productivity evaluation carried out in 1962 by CZSM [Centralny Związek Spółdzielni Mleczarskich]. (Pol) Przegl. Hodowlany 32, i.e. 31(11):16-17. Nov. 1963. 49 P952

- 92660 PATRICK, H. Power in pictures. Tex. Livestock J. 23(7):34D,80-81. July 15,1964. 49 T29  
On illustrations of beef cattle.
- 92661 PETERSSON, I. Milk recording results 1962/63. (Sw) Hallands Lans Hushallsk. Tidskr. 7(1):13-14. Jan.1964. 11 H152
- 92662 POPE, L. S. Our weakest link—caring for the brood cow. Livestock Breeder J. 6(7):29,33-34, 204-208. July 1963. 49 L758
- 92663 POSER, P. Contribution to the economy of socialistic cattle husbandry. (Ge) Monh. f. Vetmed. 19(10):361-366. Ref. May 15,1964. 41.8 M742
- 92664 REAVES, P. M. Dairy cattle replacements. Feed Age 14(6):32-35. June 1964. 389.78 F327
- 92665 RICHTER, L. Milk production farms with no raising for replacement—its chances and risks. (Ge) Tierzuchter 15(24):886,888. Dec.20,1963. 49 T445
- 92666 ROSENHAHN, E. Progeny testing for fattening performance and slaughter value of cattle. (Ge) Unser Milchvieh 16(6):12-13. June 1964. 43.8 Un7
- 92667 SANTANA MARIA BOHL, J. General aspects of dairy cattle in the Canete Valley. (Sp) Vida Agr. [Lima] 41(483):57,59,61,63,65. Feb.1964. 9.8 V66
- 92668 SCHOLZ, F. Situation and results of milk production tests. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(25):930,932. June 18,1964. 18 N39
- 92669 SCHOLZ, F. The situation in milk production tests? (Ge) Tierzuchter 16(8):252-253. Apr.20,1964. 49 T445
- 92670 SCHOLZ, K., HIMMEL, U., and LIPS, C. Problems, methods and results of behavioral studies of cattle and swine in large herds. (Ge) Arch. f. Tierzucht 7(1):3-20. Ref. 1964. 49 Ar23  
English summary.
- 92671 SIMPSON, F. M. Increased beef holdings is big story in area progress. Livestock Breeder J. 6(7):12,23. July 1963. 49 L758  
Southeastern States.
- 92672 STICHBURY, J. W. Simplified testing for culling. Massey Agr. Col. Dairyfarming Annu. 1963:31-35. 44.9 M382  
Includes discussion.
- 92673 SYBRANDY, S. R. Europese Comite voor de Melkcontrole. (Du) Veeteelt en Zuivelber. 7 (3):116-118. Mar.1964. 49 V51
- 92674 THOMPSON, J. A. "Streamlining" important to meet problems facing today's cattleman. Gulf Coast Cattleman 30(4):3-A-4-A. June 1964. 43.8 G95
- 92675 TYRRELL, W. P. Grass to market and calf customers are calling! Livestock Breeder J. 6(7):25,27. July 1963. 49 L758  
Beef cattle industry of Tennessee.
- 92676 VOIGTLANDER, K. H. The composition of morning and evening milk taken in regular intervals. (Ge) Arch. f. Tierzucht 7(3):237-246. Ref. 1964. 49 Ar23  
English summary.
- 92677 WILLIAMS, C. M. Why and how I judge a fat stock show. Canad. Cattleman 27(2):20-21. Feb.1964. 49 C16
- 92678 WINNIGSTEDT, R. German cattle raising is organized on long term. (Fr) Rev. de l'Eleavage 19(6/7):695-696,699-700. June/July 1964. 49 B462
- 92681 FACHINI, G., and GIANFRANCESCHI, G. Gametes and senescence. Experimentia 20(7): 404-405. July 15,1964. 475 Ex7  
Effects of dog semen on senile cataract.
- 92682 IRISH KENNEL CLUB. Details of registrations effected for the period January to December 1963. n.p.,1964. various paging. 48.9 Ir42D
- 92683 KAMPHANS, S., SCHUMACHER, W., and STRASSER, H. On breeding and care of dogs used in research. (Ge) Z. f. Versterk. 3(1/2): 41-54. 1963. 410 Z36  
English summary.
- 92684 SKRENTNÝ, T. T. Preliminary study of the inheritance of missing teeth in the dog. Wien. Tierarztl. Monshr. 51(4):231-245. Ref. Apr. 1964. 41.8 T345
- 92685 VEREIN FÜR DEUTSCHE SCHAFFERHUND. Zuchtbuch [Studbook], 1964, v. 62. Augsburg, 1963. 275 p. 48.9 V582

### Veterinary Medicine

- 92686 AUBREY, J. N. Treatment of canine dirofilariasis in northern Australia. Austral. Vet. J. 40(4):161-162. Apr.1964. 41.8 Au72  
With thiacetarsamide solution.
- 92687 AUCLAIR, M., and HAMEAU, N. Toxicity and pharmacology of two organic solvents:dimethylacetamide and dimethylformamide. (Fr) Soc. de Biol. Compt. Rend. 158(2):245-248. 442.9 P21  
Studies in cats, dogs, and rats.
- 92688 BARTELS, H. G. Experiences with Hirudoid in veterinary practice. (Ge) Prakt. Tierarzt 45 (6):254-255. June 1,1964. 41.8 P882  
Various therapeutic uses for dog.
- 92689 BARTELS, P. Surface anesthesia with Gingicain spray in tooth treatment. (Ge) Blauen H. f. den Tierarzt 1:29-30. 1964. 41.9 B61  
Dogs and cats.
- 92690 BENEDEK, G. Observations on otitis externa and eczema of dogs in view of a ten-year statistic. (Ge) Monh. f. Vetmed. 19(2):77-80. Jan.15,1964. 41.8 M742
- 92691 BOEHRINGER, E. G., and LAFFPMT, H. E. Isolation of Toxoplasma gondii in a dog. (Sp) Rev. de Med. Vet. [Buenos Aires] 44(6):443-445. Ref. 1963. 41.8 B86  
English summary.
- 92692 BREA, A. J. L., GLAUSER, G. F. J. O., and ZACARIAS, M. Some considerations on a derivative of thioxanthene and its use for dogs. (Sp) Rev. de Med. Vet. [Buenos Aires] 44(6): 403-416. 1963. 41.8 B86  
English summary.  
As sedative.
- 92693 BURKI, F., LINDT, S., and FREUDIGER, U. Enzootic coryza caused by a virus in a cat home. II. Virological and experimental. (Ge) Zentbl. f. Vetmed. Reihe B, 11(2):110-118. Ref. May 1964. 41.8 Z52  
English summary.
- 92694 CLARK, K. Congenital hip dysplasia. Sowest. Vet. 17(4):289-291. Ref. Summer 1964. 41.8 So82  
Dogs.
- 92695 COOPER, D. B. Prenatal infection of the dog with Ancylostoma caninum and Toxocara canis. Sowest. Vet. 17(1):45-46. Ref. Fall 1963. 41.8 So82
- 92696 CROUCH, C. Dislocation of the radioulnocarpal joints in a dog. Sowest. Vet. 17(1):37. Fall 1963. 41.8 So82
- 92697 CZEKALA, Z., and GABRY, K. J. Technique of osteomedullography of dog. (Ge) Monh. f. Vetmed. 19(5):187-190. Mar.1,1964. 41.8 M742
- 92698 DAWSON, J. L. The canine prostate: with special reference to its diseases and to prostatectomy: a literature review. I. Soeast. Vet. 15 (2):29-34. Spring 1964. 41.8 Un32
- 92699 DE YOUNG, D. W. Calcinosis circumscripta. M. S. U. Vet. 24(3):113-115. Spring 1964. 41.8 M582  
Dogs.

### DOGS AND CATS

#### Breeds and Breeding

- 92679 BACKGREN, A., and HENRICSON, B. Distribution of breed, sex and age in different populations of dogs. (Sw) Nord. Vetmed. 16(6): 512-521. Ref. June 1964. 41.8 N813  
English summary.
- 92680 DEUTSCHER PUDEL-KLUB. Zuchtbuch [Studbook], 1963, volume 42. Sinsheim, 1963. 358 p. 48.9 D483



- 92700 DORSSEN, C. A. VAN, SMIDT, A. C. DE, and STAM, J. W. E. The occurrence of *Pasteurella pneumotropica* in cats. (Du) Tijdschr. v. Diergeneesk. 89(10):674-682. Ref. May 15, 1964. 41.8 T431  
English summary.
- 92701 EDWIN, J. P. The influence of glyco-biarsol (milibis) on *Trichuris vulpis*. Sowest. Vet. 17(3):218-220. Ref. Spring 1964. 41.8 So82  
Dogs.
- 92702 EPSTEIN, B., and MARTIN, A. A. First evidence of canine mastocytoma. (Sp) Rev. de Med. Vet. [Buenos Aires] 44(6):391-395. Ref. 1963. 41.8 B86
- 92703 ERNO, H. On the diagnosis of distemper, with special reference to the intravital demonstration of cytoplasmic inclusion bodies in the third eyelid. Nord. Vetmed. 16(6):522-544. Ref. June 1964. 41.8 N813  
Dogs.
- 92704 FOX, M. W. The otocephalic syndrome in the dog. Cornell Vet. 54(2):250-259. Apr. 1964. 41.8 C81
- 92705 GABRYS, K. J., and GABRYS, A. Serological examination of dogs for toxoplasmosis. (Pol) Med. Weter. 20(6):345-351. Ref. June 1964. 41.8 M463  
English summary.
- 92706 GABRYS, K. Toxoplasmin skin test and allergometry in toxoplasmosis of dog. (Ge) Monh. f. Vetmed. 19(6):228-230. Mar. 15, 1964. 41.8 M742
- 92707 GARLT, C. A contribution to the treatment of leukosis of dog with triethylenemelamine. (Ge) Monh. f. Vetmed. 19(8):308-309. Apr. 15, 1964. 41.8 M742
- 92708 GASPARD, M. The region of the mandibular angle in the Canidae. (Fr) Mammalia 28(2):249-329. Ref. June 1964. 41.0 M31
- 92709 GERY, J. C. Contribution a l'etude radiologique des corps etrangers du tube digestif chez les carnivores domestiques [Contribution to the radiological study of foreign bodies in the digestive tract of domestic carnivores]. Alfort. Ecole Natl. Vet. These 48,56 p. Ref. 1963. 41.2 AL23  
Dogs and cats.
- 92710 GILMORE, C. E. Chronic pancreatitis in dogs. Calif. Vet. 18(3):11-14. May/June 1964. 41.8 C12
- 92711 GLIGORIJEVIC, J. Hepatolienography of dog. (Ge) Monh. f. Vetmed. 19(1):34-37. Ref. Jan. 1, 1964. 41.8 M742
- 92712 GOTTLÖB, J. An anesthetic technique for cats. Sowest. Vet. 17(3):237. Spring 1964. 41.8 So82
- 92713 GOWING, G. M. "Pinched back," an azoturia-like condition in coursing Greyhounds. Sowest. Vet. 17(3):183-185. Spring 1964. 41.8 So82
- 92714 GRONO, L. R. Treatment of femoral fractures in the dog. Austral. Vet. J. 40(4):172-176. Ref. Apr. 1964. 41.8 Au72
- 92715 GROVES, M. Canine gastric foreign body. Sowest. Vet. 16(4):323-324. Summer 1963. 41.8 So82
- 92716 HABERMEHL, K. H. Technique of intracardia and intrapulmonary injections in carnivores. (Ge) Blauen H. f. den Tierarzt 1:1-13. Ref. 1964. 41.9 B61  
Dogs and cats.
- 92717 HALL, L. W. A comparison of methoxyflurane and halothane in small-animal anaesthesia. Vet. Rec. 76(24):650-655. Ref. June 13, 1964. 41.8 V641  
Dogs.
- 92718 HAPKE, H. J. Sympathomimetics as circulatory agents. (Ge) Tierärztl. Umschau 19(6):277-282. Ref. June 1, 1964. 41.8 T445  
Use of Veritol, Effortil and Novadral on cats and dogs for treatment of circulatory and heart diseases.
- 92719 HILL, F. W. G., and GIBBONS, R. W. Tetanus in the dog. Vet. Rec. 76(23):641-642. June 6, 1964. 41.8 V641
- 92720 HUGHES, D. R. Ascites due to hypoproteinemia. Sowest. Vet. 16(4):324-325. Summer 1963. 41.8 So82  
Dogs.
- 92721 ICHIJO, S., and others. Clinical and histopathological studies on dilatation of the superficial third-eyelid gland of the dog. (Ja) Japan Vet. Med. Assoc. J. 17(1):11-14, 27. Ref. 1964. 41.9 J275  
English summary.
- 92722 JACKSON, W. F. Interrelationship of cardiac and respiratory disease. Sowest. Vet. 17(1):53-56. Fall 1963. 41.8 So82  
Dogs, chiefly.
- 92723 JASPER, D. E., and JAIN, N. C. Postprandial lipemia in dogs. Calif. Vet. 18(3):27-31. May/June 1964. 41.8 C12
- 92724 JONES, C. K. Response of *Felis domestica* to leptospiral infections. Sowest. Vet. 17(2):109-113. Ref. Winter 1964. 41.8 So82
- 92725 KAEMMERER, K., and STENDEL, W. Survey review on newer therapeutical problems within the frame of dog rearing. (Ge) Kleintier-Praxis 9(3):58-70. Ref. Apr. 1964. 41.8 K67  
Sanitation, chiefly.
- 92726 KHAN, A. A., and GUPTA, B. N. Compound fracture of femur in a pup and its repair. Indian Vet. J. 41(5):359-361. May 1964. 41.8 In2
- 92727 KOBAYASHI, S., OHISHI, I., and KUME, S. Destructive effects of various drugs on canine filariae. (Ja) Japan Vet. Med. Assoc. J. 17(2):10-14. Ref. 1964. 41.9 J275  
English summary.
- 92728 LAMERTON, L. F., and FRY, R. J. M., ed. Cell proliferation; a Guinness symposium held at University of Dublin, Trinity College. Philadelphia, Davis, 1963. 251 p. Ref. 442.9 L18  
Includes Kinetics of erythrocytic precursor proliferation in dog by N. Odartchenko, V. P. Bond, L. E. Feinendegen and H. Cottier.
- 92729 LEVIE, W. H., and BOND, T. P. High speed cinephotomicrography of the microcirculation in the mesentery of the dog. Biol. Photog. Assoc. J. 32(2):77-81. May 1964. 332.9 B52
- 92730 LEVINE, N. D. Newer knowledge of dog parasites. Ill. Vet. 7(2):15-20. Ref. Spring 1964. 41.8 IL62
- 92731 LORI, R. D. Supernumerary kidney artery in the dog. (Sp) Rev. de Med. Vet. [Buenos Aires] 44(6):419-412. 1963. 41.8 B86  
English summary.
- 92732 MCCRADY, J. D., and ALFORD, R. R. A surgical technique for the correction of labyrinthitis in the canine. Sowest. Vet. 17(1):29-31. Fall 1963. 41.8 So82
- 92733 MILJKOVIC, V., and others. Contribution to the treatment of some gynecological diseases in carnivores. (Ge) Deut. Tierärztl. Wchnschr. 71(9):245-247. Ref. May 1, 1964. 41.8 D482  
P. Draca, M. Olujic, and G. Mrvos, joint authors.  
English summary.  
Sex organ diseases of cats and dogs.
- 92734 MIMIOGLU, M., and SAYIN, F. The cysticeroids in lizards (*Hemidactylus turcicus*) and their transmission to a cat. Ankara U. Vet. Fakul. Dergisi 10(2):103-109. 1963. 41.9 An4D
- 92735 MORSE, R. W., and TOWE, A. L. The dual nature of the lemnisco-cortical afferent system in the cat. J. Physiol. 171(2):231-246. Ref. June 1964. 447.8 J82
- 92736 NIPPON VETERINARY AND ZOOTECHNICAL COLLEGE, VETERINARY CLINIC. A case of canine hematuria. (Ja) Japan Vet. Med. Assoc. J. 16(12):14-15. 1963. 41.9 J275
- 92737 OKA, T. Pathological studies on hyaline degeneration in the central artery of the splenic follicle in dogs. (Ja) Jap. J. Vet. Sci. 25(4):251-261. Ref. Aug. 1963. 41.8 J27  
English summary.  
Amyloidosis.
- 92738 PEPPER, R. T. A case of nephrolithiasis in the dog. J. Small Anim. Pract. 5(2):179-181. Apr. 1964. 41.8 J8292
- 92739 PETROVIC, B. Ionotherapy in traumatic osteopathy of dogs. (Ge) Monh. f. Vetmed. 19(4):147-150. Feb. 15, 1964. 41.8 M742
- 92740 RONNEBERGER, H. Administration of chlorprothixene (Rentovet, Taractan) to cats. (Ge) Prakt. Tierarzt 45(6):253-254. (Concl.) Ref. June 1, 1964. 41.8 P882  
As a narcotic agent.

- 92741 SAEKI, Y., TOKUBU, S., and SATO, H. A case report on feline cryptococcosis. (Ja) Japan Vet. Med. Assoc. J. 17(1):20-22, 6. 1964. 41.9 J275
- 92742 SANDA, A., and PIVNIK, L. Digital necrosis of Short-haired Pointers. (Ge) Kleintier-Praxis 9(3):76-83. Apr. 1964. 41.8 K67
- 92743 SASTRY, G. A., and TWIEHAUS, M. J. A study of the animal neoplasms of Kansas State. I. Canine. Indian Vet. J. 41(5):317-326. Ref. May 1964. 41.8 In2
- 92744 SCHALM, O. W. Canine hematology. Vet. Scope [Kalamazoo] 9(1):2-11, 16. 1964. 41.8 Up4
- 92745 SCHLAAFF, S. Excretion urography of dog. (Ge) Kleintier-Praxis 9(3):70-76. Ref. Apr. 1964. 41.8 K67
- 92746 SCHMIDT, R. C. Cat-scratch disease and its importance to the veterinarian. M. S. U. Vet. 24(3):109-112. Ref. Spring 1964. 41.8 M582
- 92747 SCHMIDT, V., and JAHNE-LIERSCH, S. Testing some sedatives with continuous blood pressure readings under special consideration of combination with guaiacol glycerin ether (GGG). (Ge) Monh. f. Vetmed. 19(2):41-48. Ref. Jan. 15, 1964. 41.8 M742  
Tested on dogs.
- 92748 SHORES, S. A. Prenatal infection in a research dog colony. Sowest. Vet. 16(4):271-276. Ref. Summer 1963. 41.8 So82
- 92749 SIMI, M. Effects of high concentration of penicillin on canine distemper virus in chick embryos. Cornell Vet. 54(2):260-265. Ref. Apr. 1964. 41.8 C81
- 92750 SOVA, Z., and KOMAREK, J. Some new knowledge on the so-called lymphadenosis with leucocytic blood picture of the dog. (Ge) Prakt. Tierarzt 45(6):251-252. (Cont.) June 1, 1964. 41.8 P882
- 92751 SPRENT, J. F. A., and BARRETT, M. G. Large roundworms of dogs and cats: differentiation of *Toxocara canis* and *Toxascaris leonina*. Austral. Vet. J. 40(4):166-171. Ref. Apr. 1964. 41.8 Au72
- 92752 SPREULL, J. S. A. Treatment of otitis media in the dog. J. Small Anim. Pract. 5(2):107-122. Ref. Apr. 1964. 41.8 J8292  
Text also in French, p.123-137, and German, p.137-152.
- 92753 STARTUP, F. G. The treatment of corneal perforation in the dog. Vet. Rev. 14(4):107-115. Ref. June 1963. 41.8 V6466
- 92754 STEPHENSON, H. C. Research and the distemper vaccination problem. Sowest. Vet. 17(2):129-130. Winter 1964. 41.8 So82
- 92755 STRANDE, A. Intrapulmonary anaesthesia with pentobarbitone sodium in cats. J. Small Anim. Pract. 5(2):153-159. Apr. 1964. 41.8 J8292
- 92756 TAPPER, D. N. Input-output relationships of a skin tactile sensory unit of the cat. N. Y. Acad. Sci. Trans. (ser.2)26(6):697-701. Apr. 1964. 500 N484T
- 92757 TRAN VAN DU. Comparative cholesterolemia of dog and man in south Vietnam. (Fr) Rec. de Med. Vet. 140(5):359-362. May 1964. 41.8 R24  
English summary.
- 92758 URMAN, H. K., and OZCAN, C. Intracranial nerve roots tumor in a dog. Ankara U. Vet. Fakul. Dergisi 10(2):110-114. 1963. 41.9 An4D
- 92759 VAUGHAN, L. C. A clinical study of non-union fractures in the dog. J. Small Anim. Pract. 5(2):173-177. Apr. 1964. 41.8 J8292
- 92760 VAUGHAN, L. C., and BOWDEN, N. L. R. The use of skin for the replacement of the anterior cruciate ligament in the dog: a review of thirty cases. J. Small Anim. Pract. 5(2):167-171. Apr. 1964. 41.8 J8292
- 92761 VERTER, W., and SCHAFER, M. The role of eosinophils in the blood picture of dogs. (Ge) Monh. f. Vetmed. 19(4):150-156. Feb. 15, 1964. 41.8 M742
- 92762 VIBE, P. P. Methods of fixation of dog during disinfestation of helminths with arecoline water solution. (Rus) Veterinariya 3:47-48. Mar. 1964. 41.8 V6426
- 92763 VIERNEISEL, H. Therapy of leukosis of dog with cytostatic agent. (Ge) Monh. f. Vetmed. 19(8):307-308. Apr. 15, 1964. 41.8 M742  
Chemotherapy with Endoxan.
- 92764 WATERHOUSE, C. E., TAYLOR, T., and PARTINGTON, H. The urinary excretion of riboflavin by the cat. J. Small Anim. Pract. 5(2):161-165. Apr. 1964. 41.8 J8292
- 92765 WERDA-MICH, K. Diagnostic value of blood sedimentation rate in some diseases of dogs. (Pol) Lublin. U. Marii Curie-Sklodowskiej. Ann. Sect. DD, 17:259-281. Ref. 1962, pub. 1964. 512 L96Ad  
English summary.
- 92766 ZWART, D. Has Softenon a certain influence on growth of tumours? (Du) Tijdschr. v. Diergeneesk. 89(11):784-785. June 1, 1964. 41.8 T431  
English summary.  
Dog.

### Miscellaneous

- 92767 CARTWRIGHT, C. The domestic cat. 1-2. Sowest. Vet. 17(2):119-128; (3):186-192. Ref. Winter/Spring 1964. 41.8 So82
- 92768 DANGERFIELD, S. The R.A.F. police dogs. Anim. Health 2(1):1-5. Mar. 1964. 41.8 An52
- 92769 FOX, M. W. The working sheep dog—a survey of diseases and methods of husbandry, with a review of recent advances in canine nutrition. J. Small Anim. Pract. 5(2):183-192. Ref. Apr. 1964. 41.8 J8292
- 92770 FULLER, J. L. Early experience as a determinant of dog personality. Sowest. Vet. 16(4):277-279. Summer 1963. 41.8 So82
- 92771 GYGAS, T. Terms used in the raising of dogs. (Por) Rural 44(513):44. Jan. 1964. 9.2 B733
- 92772 PETTER, G. Origin of the genus *Otocyon* (Afri-can Canidae of the subfamily *Otocyoninae*). (Fr) Mammalia 28(2):330-344. June 1964. 410 M31  
English summary.  
Fossils found in Tanganyika.
- 92773 ROBERTSON, A. I. A case of coprophagia. Roy. Army Vet. Corps. J. 35(1):5. Spring 1964. 41.8 G79  
Dogs.
- 92774 SUURESSAAR, L. An albinotic raccoon dog (*Nyctereutes procyonoides*) in Estonia. (Es) Eesti Loodus 5:310. Sept./Oct. 1963. 409.6 Ee7

### FUR ANIMALS—PEN RAISED

#### Breeds and Breeding

- 92775 CANADA MINK BREEDERS. CMB annual report. Fur Trade J. Canada 41(7):10-11; (8):8-9. Mar./Apr. 1964. 410 F965
- 92776 CLARKE, J. D. W. Against collar matings. Fur Trade J. Canada 41(7):15-17; (8):16-18. Mar./Apr. 1964. 410 F965  
Chinchillas.
- 92777 FACTORS affecting reproduction. Fur Trade J. Canada 41(5):15-18. Jan. 1964. 410 F965  
Chinchillas.
- 92778 HILLIARD, M. Records, selection, handling breeders. Fur Trade J. Canada 41(5):10, 12. Jan. 1964. 410 F965  
Breeding and feeding of mink.
- 92779 JOHANSSON, I. Breeding results and age. (No) Vara Palsdjur 35(3):48-49. Mar. 15, 1964. 410 V42  
Mink litter size.
- 92780 JOHANSSON, I. In the mating season. (Sw) Vara Palsdjur 35(2):26-31. Feb. 15, 1964. 410 V42  
Mink breeding.



- 92781 KNIERIEM, E. Two-thousand km. Nordland visit by the German fur breeders. (Ge) Deut. Pelztierzucht. 38(1):1-4. Jan.1,1964. 412.628 D48
- 92782 LANDBERG, B. Some views on the selection of breeding animals. (Sw) Vara Palsdjur 35(6):106-107. June 15,1964. 410 V42  
Mink.  
Commentary by I. Johansson, p.107-108.
- 92783 SCHMIDT, F. Reflections on the future of our chinchilla breeding. (Ge) Deut. Pelztierzucht. 38(5):88-90. May 1,1964. 412.628 D48
- 92784 VENGE, O. Planning of mink breeding. (Da) Dansk Pelsdyravlt 27(1):11-13. Jan.20,1964. 412.628 D23
- 92785 WILLIAMS, D. A., and TURBAK, A. J. September litters! Amer. Fur Breeder 37(4):8-9. Apr.1964. 410 Am33  
Minks.
- Feeds and Feeding
- 92786 AHMAN, G. Baltic herring and herring as feed for mink. (Sw) Vara Palsdjur 35(4):66-67. Apr.15,1964. 410 V42
- 92787 AHMAN, G. Baltic herring and south coast herring as feed for breeding mink. (Sw) Vara Palsdjur 35(3):50-52. Mar.15,1964. 410 V42
- 92788 AHMAN, G. Fat enriched dry milk "Farmex"—as feed for mink. (Sw) Vara Palsdjur 35(4):68. Apr.15,1964. 410 V42
- 92789 BENDRAT, G. Feeding experiment with penicillin of minks. (Ge) Bruhl 5(3):9. May/June 1964. 412.628 B83
- 92790 DUSEL, S. Nutrition:physiological importance of some feed in mink nutrition. III. (Ge) Deut. Pelztierzucht. 38(1):5-8. Jan.1,1964. 412.628 D48
- 92791 HANSEN, H. T. pH content of mink feed. (Da) Dansk Pelsdyravlt 27(5):303. May 20,1964. 412.628 D23
- 92792 KIRK, R. J. Fresh water fish diets—preliminary trials, 1963. Amer. Fur Breeder 37(6):16-18. June 1964. 410 Am33  
For minks.
- 92793 KIRK, R. J. Fresh water fish diets—preliminary trials, 1963. Fur Trade J. Canada 41(10):8-9,13. June 1964. 410 F965  
Minks.
- 92794 KUKELOW, W. R. Wheat germ oil role in [mink] breeding studied. U. S. Fur Rancher 42(12):16. Jan.1964. 412.629 Am3M
- 92795 LEOSCHKE, W. L. Considerations for planning the best nutrition program. Amer. Fur Breeder 37(6):10-12. June 1964. 410 Am33  
Minks.
- 92796 MATHISEN, K. Cooperative kitchen in Tromso. (No) Norsk Pelsdyrbl. 37(20):354-355. Oct.20, 1963. 412.628 N812  
For fur animal feeding.
- 92797 MINK feeding schedules. Fur Trade J. Canada 41(2):8-10. Oct.1963. 410 F965  
Formulas.
- 92798 NIELSEN, K. H. Standards and growth of mink whelps in the real growth period. (Da) Dansk Pelsdyravlt 27(6):330-331. June 20,1964. 412.628 D23  
Chiefly feeding.
- 92799 OLDFIELD, J. E., STOUT, F. M., and ADAIR, J. Vitamin and mineral requirements of mink. Fur Trade J. Canada 41(8):10,12. Ref. Apr. 1964. 410 F965
- 92800 PATSCHKE, D., and OLAH, I. Utilization of poultry waste in mink nutrition. (Hu) Buvar 8(5):293-295. Sept./Oct.1963. 410 B98
- 92801 RECK, J. How will mink feeding be in the future? (Ge) Deut. Pelztierzucht. 38(6):103-105. June 1,1964. 412.628 D48
- 92802 RODT, P. Calculation of feed requirements. (No) Norsk Pelsdyrbl. 38(9):247-248. May 5, 1964. 412.628 N812  
Mink.
- 92803 SHACKELFORD, R. M., and COCHRANE, R. L. Performance of female mink when stilbestrol is included in diets. U. S. Fur Rancher 43(6):11-14,21-22. July 1964. 412.629 Am3M
- 92804 TRAVIS, H. F., BASSETT, C. F., and WARNER, R. G. The effects of feeding ingredients containing thyroid-active materials to mink during the reproductive cycle. Fur Trade J. Canada 41(3):12,20. Nov.1963. 410 F965
- 92805 TRAVIS, H. F. Some considerations in the formulation of mink rations. Fur Trade J. Canada 41(6):10-11,13. Ref. Feb.1964. 410 F965
- 92806 TUER, R. C. S. Feed and the fur farmer. Fur Trade J. Canada 41(8):3-4. Apr.1964. 410 F965  
Mink nutrition.
- 92807 WOOD, A. J. Meeting the mink's protein requirements in practice. Fur Trade J. Canada. 41(10):10,12-13. June 1964. 410 F965
- Veterinary Medicine
- 92808 ARRO, I. V., LUSIS, E. J., and VACIETE, L. E. Hepatitis of minks caused by molds. (Rus) Krolikovodstvo i Zverovodstvo 4:24. Apr.1964. 40.28 K91  
Aspergillus niger in feed.
- 92809 BURGER, D., and GORHAM, J. R. Response of ferrets and mink to vaccination with chicken embryo-adapted distemper virus. II. Interference phenomenon and duration of resistance. Arch. f. die Gesam. Virusforsch. 14(4):449-461. Ref. 1964. 448.3 Ar23
- 92810 CHIZHOV, V. A. Diagnosis of infectious hepatitis of fur-bearing animals. (Rus) Krolikovodstvo i Zverovodstvo 4:22-23. Apr.1964. 40.28 K91
- 92811 EICHEL, H. On the occurrence of obligatory anaerobes in the rectum of the mink. (Ge) Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. I, Orig. 192(3):324-327. Apr.1964. 448.3 C33  
English summary.
- 92812 GUNN, C. K. Preliminary report of experimental control of wet belly disease in mink. Fur Trade J. Canada 41(6):8-9. Feb.1964. 410 F965
- 92813 GUNN, C. K. Temperature effect on wet belly ill studied in Canada. U. S. Fur Rancher 43(3):8,24. Apr.1964. 412.629 Am3M
- 92814 HANDLE with care. Amer. Fur Breeder 37(4):12,34. Apr.1964. 410 Am33  
Mink parturition.
- 92815 HANSEN, N. G. Urinary calculi of mink. (Da) Dansk Pelsdyravlt 27(1):56. Jan.20,1964. 412.628 D23
- 92816 HARTSOUGH, G. R. Kit losses to rickets were above average. Fur Trade J. Canada 41(2):4, 13. Oct.1963. 410 F965  
Minks.
- 92817 HARTUNG, J., and FRITZSCH, W. Aujeszky's disease of mink and fox. (Ge) Monh. f. Vet-med. 19(11):422-427. Ref. June 1,1964. 41.8 M742
- 92818 HELGEBOSTAD, A. Orientation on Aleutian disease of mink and research in progress. (Da) Norsk Pelsdyrbl. 38(3):95-96. Feb.5,1964. 412.628 N812
- 92819 HYLDGAARD-JENSEN, C. Dermatologic diseases of mink. (Da) Dansk Pelsdyravlt 27(4):224-226. Apr.20,1964. 412.628 D23
- 92820 KENNEDY, A. H. Chinchilla diseases and ailments: diseases affecting the gastrointestinal tract. Fur Trade J. Canada 41(2):14-18. Oct. 1963. 410 F965
- 92821 KENNEY, K. Viruses are enigmas to top scientists but knowledge grows. U. S. Fur Rancher 43(3):14. Apr.1964. 412.629 Am3M  
Minks.
- 92822 LAFORTUNE, J. G. Modification of behavior and size of mink by reserpine and methandrostenolone; clinical study. (Fr) Canad. Vet. J. 5(7):160-167. Ref. July 1964. 41.8 R3224  
English summary.
- 92823 LAPCEVIC, E. Contribution to the knowledge of morbus Aujeszky in minks. (Ge) Deut. Tierarztl. Wchnschr. 71(10):273-275. May 15,1964. 41.8 D482  
English summary.

- 92824 LAUERMAN, L. H. Wet belly disease. Natl. Fur News 36(6):10. July 1964. 412.628 R59 Mink.
- 92825 LEADER, R. W., and GORHAM, J. R. More AD theory views. Amer. Fur Breeder 37(5):12-13. May 1964. 410 Am33 Aleutian disease of mink.
- 92826 LEOSCHKE, W. L. Studies on the wet-belly disease of the mink. Ind. Acad. Sci. Proc. 72: 136-138. 1962, pub. 1963. 500 In2
- 92827 OTTOSEN, H. E. Distemper in North Jutland. (Da) Dansk Pelsdyravl 27(1):63-66. Jan. 20, 1964. 412.628 D23 Of minks. Comments on article by A. Lund.
- 92828 OTTOSEN, H. E. Distemper of minks and its control through vaccination. (Da) Dansk Pelsdyravl 27(2):109-113. Feb. 20, 1964. 412.628 D23
- 92829 PAVLOVA, N. V., and TYUL'PANOVA, A. F. Susceptibility of foxes to piropasmosis of dogs. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:243-245. 1963. 41.9 R923 French summary.
- 92830 REICH, E., and REICH, K. Sudden change in weather causing excrement changes in chinchillas. (Ge) Deut. Pelztierzucht. 38(7):133-134. July 1, 1964. 412.628 D48 Diarrhea.
- 92831 ROCHMANN, R. Canine distemper of mink. (No) Norsk Pelsdyrbl. 38(3):97. Feb. 5, 1964. 412.628 N812
- 92832 ROMASHOV, V. A. Prophylaxis and treatment of diseases of river beavers under caged conditions. (Rus) Krolikovodstvo i Zverovodstvo 3:28-30. (Cont.) Mar. 1964. 40.28 K91
- 92833 RUSSELL, J. D., and MARTY, E. W. Control of a mink virus enteritis outbreak on a mid-western ranch by vaccination. Fur Trade J. Canada 40(8):8-9. Apr. 1963. 410 F965
- 92834 STOEBE, W. Prophylactic immunization of chinchillas against gastrointestinal infections with Cinquaccin and Chin-Vac. (Ge) Deut. Pelztierzucht. 38(6):111-112. June 1, 1964. 412.628 D48
- 92835 SZTEYN, S. Topography and structure of the nerve nuclei of the medulla oblongata of the coypu (*Myocastor coypus* Molina). II. Sensory nuclei of the medulla oblongata of the coypu. (Pol) Lublin. U. Marii Curie-Sklodowskiej. Ann. Sect. DD, 17:21-43. Ref. 1962, pub. 1964. 512 L96Ad English summary.
- 92836 TRAUTWEIN, G. The pathology of Aleutian disease of mink. (Ge) Deut. Tierarztl. Wchn-schr. 71(10):264-269. Ref. May 15, 1964. 41.8 D482 English summary.
- 92837 TYUL'PANOVA, A. F., and GRABOVSKII, A. V. Susceptibility of sables to virus of Aujeszky's disease. (Rus) Krolikovodstvo i Zverovodstvo 5:26-27. May 1964. 40.28 K91
- 92838 USTINOV, D. A., and KOZUNIN, I. I. A study of ultraviolet ray penetration through the fur of animals with the aid of the spectrophotometer C -4. (Rus) B. Eksper. Biol. i Med. 56(9): 124-126. Sept. 1963. 442.8 B87 English summary.
- 92839 WERDELIN, C. Measures for the control of distemper. (Da) Dansk Pelsdyravl 27(2):115-117. Feb. 20, 1964. 412.628 D23 Of fur animals.
- 92840 WHITE, P. G. A look into the future of mink disease research. Fur Trade J. Canada 40(8): 10, 12. Apr. 1963. 410 F965
- 92842 BONES, L. A. Fur farming in Aust-Agder. (No) Norsk Pelsdyrbl. 37(20):344-347. Oct. 20, 1963. 412.628 N812
- 92843 BUFFUM, F. Assignment: Jerusalem. Natl. Chinchilla Breeder 20(6):13-14. June 1964. 412.628 N21 A pilot chinchilla ranch in Israeli.
- 92844 CAPOBIANCO, B. The other end of the spectrum; a dissident view on the question of daylight in units, with comments on low production rates and non-breeders. Natl. Chinchilla Breeder 20(6):18-20. June 1964. 412.628 N21
- 92845 CLARKE, J. D. W. The need for research in chinchillas. Fur Trade J. Canada 41(10):14-17. June 1964. 410 F965
- 92846 GILLIES, R. W. Management—mismanagement of ranching. Fur Trade J. Canada 41(8):11, 13, 20. Apr. 1964. 410 F965 Includes discussion of supplying feed to mink farmers.
- 92847 HELGEBOSTAD, A. Hygiene on the fur farm. (No) Norsk Pelsdyrbl. 37(22):399-400. Nov. 20, 1963. 412.628 N812
- 92848 JORGENSEN, G. Being efficient and instruction. (Da) Dansk Pelsdyravl 27(4):245-246. Apr. 20, 1964. 412.628 D23 Rearing of fur animals.
- 92849 KINSEL, G. V. Experiment with the sheared-off nutria. Fur Trade J. Canada 41(8):4-5, 18. Apr. 1964. 410 F965 Experiment to improve the fur qualities of the nutria by shearing off its hair.
- 92850 KIRKEBY, H. Fur farming in Ostfold. (No) Norsk Pelsdyrbl. 38(11):282-283. June 5, 1964. 412.628 N812
- 92851 RASMUSSEN, O. L. When and what can be done to produce the best possible chinchilla fur? (Da) Dansk Pelsdyravl 27(2):139-140. Feb. 20, 1964. 412.628 D23 Pelting date and care.
- 92852 ROCHMANN, R. Pelting of chinchilla. (No) Norsk Pelsdyrbl. 38(3):100-109. Feb. 5, 1964. 412.628 N812
- 92853 SCHMIDT, F. Illustration for practical work in evaluation according to the ECB system. (Ge) Deut. Pelztierzucht. 38(3):46-52. June 1, 1964. 412.628 D48 Chinchillas.
- 92854 SCHOOTS, G. S. Development of fur animal husbandry in Netherlands. (Du) Veeteelt en Zuivelber. 6(11):530-535. Nov. 1963. 49 V51
- 92855 SVERIGES PALSJDJURSUPPFODARES RIKSFORBUND. Arsredovisning och revisionsberattelse [Annual report and accounting report] 1962-1963. Katrineholm, 1963. 27 p., map. 412.629 Sv22
- 92856 SZUMAN, J. Polish research on rearing of nutria in fenced-in dry area. (Ge) Deut. Pelztierzucht. 38(1):8-11. Ref. Jan. 1, 1964. 412.628 D48

## HORSES AND MULES

## Breeds and Breeding

- 92841 AULERICH, R. J., and others. Influence of photoperiod on reproduction in mink. Fur Trade J. Canada 41(3):8-9, 13, 18. Nov. 1963. 410 F965 L. Holcomb, R. K. Ringer, and P. J. Schaible, joint authors.
- 92857 ANGHI, CS. Re-breeding experiments with the primitive horse in Askaniya-Nova. (Hu) Elovilag 9(2):9-15. Ref. Mar./Apr. 1964. 410 EL6
- 92858 BALCH, D. J. UVM's magnificent Morgans. Vt. Farm & Home Sci. 6(2):6-7. Fall 1963. 100 V593
- 92859 BEAULIEU, F. C. De. Ideas on Thoroughbred breed, horse breeding and riding. (Ge) Tierzuchter 16(1):6-8. Jan. 5, 1964. 49 T445
- 92860 GRUNDL. The Hafling—small and multi-purpose horse of Bavaria. (Ge) Tierzuchter 16(7):231-232. Apr. 5, 1964. 49 T445
- 92861 HAMORI, D. Comparative studies for determination of optimal pulling power of Hungarian horse breeds. (Ge) Arch. f. Tierzucht 7(1):63-85. Ref. 1964. 49 Ar23 English summary.



- 92862 HARSCH, J. A. Infertility in the mare. *Sowest. Vet.* 17(4):300-304. Summer 1964. 41.8 So82
- 92863 ORCHARD, V. R. The stud farm. London, Paul, 1964. 143 p. 42 Or12  
Thoroughbred breeding.
- 92864 PIGONOWA, H. Studies on the excretion of urinary 17-ketosteroids and 17 hydroxycorticosteroids in stallions. (Pol) *Acta Agr. et Silvestria. Ser. Zootech.* 2:3-56. Ref. 1962, pub. 1964. 49 Ac8  
English summary.
- 92865 QUARTER HORSE ASSOCIATION OF NEBRASKA. Articles of incorporation [and by-laws]. *Nebr. Cattleman* 20(5):57,61. Jan. 1964. 43.8 N27
- 92866 RYLAND, L. The breed that came back. *West. Horseman* 29(6):24-26, 112-115. June 1964. 42.8 W522  
Appaloosas.
- 92867 SASIMOWSKI, E. Biometrical changes in purebred stallions of Lublin province between the first and second qualification survey. (Pol) *Rocz. Nauk Roln.* 82-B-3:585-598. Ref. 1963. 20.5 R59  
English summary.
- 92868 SASIMOWSKI, E. A project of the high-speed coefficient and its use in judging of stallions in training stations. (Pol) *Rocz. Nauk Roln.* 82-B-3:567-583. Ref. 1963. 20.5 R59  
English summary.
- 92869 SOSNOWSKI, A. State and prospects for breeding of the Masurian horse in state studs. (Pol) *Przegl. Hodowlany* 32,i.e.31(11):27-29. Nov. 1963. 49 P952
- 92870 STALINSKI, Z., BRZESKI, E., and WEZYK, S. Inbreeding and relationship coefficients among Polish Konik horse breed. (Pol) *Postepy Nauk Roln.* 15(5):119-124. Ref. 1963. 20.5 P84  
English summary.
- 92871 THOROUGHBRED BREEDERS' ASSOCIATION. Statistical abstract, 1963. London, 1964. 221 p. 42.9 T39S
- 92872 UPPEBORN, W. Seventy-five years of East Prussian studbook. (Ge) *Tierzuchter* 15(24):881-882. Dec. 20, 1963. 49 T445
- 92873 VAN HOOSE, R. W. Lend-lease plan for Arabians. *West. Horseman* 29(6):92. June 1964. 42.8 W522  
Southeastern Arabian Horse Association sponsors 4-H Club project.
- 92874 WRIGHT, STEPHENSON AND CO. New Zealand bloodstock. Wellington, 1963. 55 p. 42 W932  
Breeding Thoroughbred racehorses.
- Feeds and Feeding
- 92875 DEAN, K. L. Nutrition is not difficult. *West. Horseman* 29(6):58, 99-105. June 1964. 42.8 W522
- 92876 LIU, W. H., and SHEN, C. K. The experience of Chin Hsien farmers in the use of dried corn stalks as feed for horses. (Ch) *Nongye Jishu* 11:35-36. Nov. 1962. 22.5 N929
- Veterinary Medicine
- 92877 ANTEPLIOGLU, H., KEVEN, K., and UZGOR, R. A research on dermatitis exudativa and necroticans, due to mud, soil and irritation of chemical insecticides in Cyprus asses of Cukurova State Farm in Turkey. (Tu) *Ankara U. Vet. Fakul. Dergisi* 10(2):180-191. Ref. 1963. 41.9 An4D  
English summary.
- 92878 BARRAU, H. Podotrochilitis in mounts in connection with the training. (Du) *Tijdschr. v. Diergeneesk.* 89(10):665-668. Ref. May 15, 1964. 41.8 T431  
English summary.  
Navicular disease.
- 92879 BAUMLER, J., BRAULT, A. L., and OBERSTEG, J. I. Detection of doping in the saliva of racehorses. (Ge) *Schweiz. Arch. f. Tierheilk.* 106(6):346-354. June 1964. 41.8 Sch9  
English summary.
- 92880 BECKER, C. R. A study of the intestinal microflora in the equine. *M. S. U. Vet.* 24(3):123-126. Spring 1964. 41.8 M582
- 92881 BERTHELON, M., and GAUMONT, R. Grippe virus, abortions and complement deviation, in the mare. (Fr) *Rev. de Med. Vet. [Toulouse]* 114(6):412-418. June 1963. 41.8 R32  
English summary.  
Includes rhinopneumonitis.
- 92882 BONE, J. F. The age of the horse. *Sowest. Vet.* 17(4):269-272. Summer 1964. 41.8 So82
- 92883 CALISLAR, T. An abnormal pleural sac and variation in the course of the left phrenic nerve in a donkey. (Tu) *Ankara U. Vet. Fakul. Dergisi* 10(2):192-195. 1963. 41.9 An4D  
English summary.
- 92884 CHOMIAK, M., and WELENTO, J. Topography and nucleus of the mesencephalon of the domestic animal. IV. Nucleus of mesencephalon of horse. (Ge) *Lublin. U. Marii Curie-Sklodowskiej. Ann. Sect. DD.* 17:45-64. 1962, pub. 1964. 512 L96Ad
- 92885 COCHRAN, G. W., STORZ, J., and MIKULSKA-MACHETA, A. Changes of levels of infectivity in incubated sub-cellular elements from western-equine-encephalitis-infected and normal chicken embryo cells. *Nature [London]* 202 (4939):1294-1296. Ref. June 27, 1964. 472 N21  
Viral ribonucleic acid infectivity.
- 92886 DEAN, P. W. Navicular disease—treatment with corticosteroids. *Roy. Army Vet. Corps. J.* 35(1):2-5. Spring 1964. 41.8 G79
- 92887 DENIZ, E., and WROBEL, K. H. Persistent left anterior vena cava in a donkey. (Ge) *Zentbl. f. Vetmed. Reihe A*, 11(4):358-362. June 1964. 41.8 Z5  
English summary.
- 92888 DOGANELI, M. Z., and AKKAYAN, C. Uterine prolapse in the mare. (Tu) *Ankara U. Vet. Fakul. Dergisi* 10(2):196-200. 1963. 41.9 An4D  
English summary.
- 92889 DOLL, E. R. Viral respiratory diseases of horses. *Sowest. Vet.* 16(4):265-270. Summer 1963. 41.8 So82
- 92890 DORRIS, K. D. Habronemiasis of the horse. *Sowest. Vet.* 16(4):299-301. Ref. Summer 1963. 41.8 So82
- 92891 DOUGLAS, T. A., and others. Methoxyflurane anaesthesia in horses and cattle. *Vet. Rec.* 76 (23):615-623. Ref. June 6, 1964. 41.8 V641  
S. Jennings, J. Longstreeth, and A. D. Weaver, joint authors.
- 92892 FORGASON, R. L. Corneal ulcer in a horse. *Sowest. Vet.* 16(4):321. Summer 1963. 41.8 So82
- 92893 FROST, W. W. Phycomycosis in a Palomino mare. *Sowest. Vet.* 17(1):66-67. Fall 1963. 41.8 So82
- 92894 FUNK, K. Cutaneous nematodiasis. *Sowest. Vet.* 17(1):68. Fall 1963. 41.8 So82  
Habronema spp. in horse.
- 92895 GERBER, H. Determination of activity of serum enzymes in veterinary medicine. III. Studies on horses. (Ge) *Schweiz. Arch. f. Tierheilk.* 106(6):354-371. Ref. June 1964. 41.8 Sch9  
English summary.  
Alkali serum phosphatases.
- 92896 GRAFF, A. Non-communicable diseases of horses. *Canad. Cattlemen* 26(11):26-28. Nov. 1963. 49 C16
- 92897 GRAFF, A. Parasites of horses. *Canad. Cattlemen* 26(11):16-17, 42-43. Nov. 1963. 49 C16  
Includes external parasites.
- 92898 HALL, C. L. Equine sarcoid. *Sowest. Vet.* 16(4):321. Summer 1963. 41.8 So82
- 92899 HARBEN, R. M. Equine cataract surgery. *Sowest. Vet.* 16(4):322-323. Summer 1963. 41.8 So82
- 92900 HARSCH, J. A. Common respiratory diseases of the horse and their prevention. *Canad. Cattlemen* 27(4):26-29. Apr. 1964. 49 C16

- 92901 JAPANESE RACING ASSOCIATION. RESEARCH INSTITUTE OF HEALTH OF RACE HORSES AND RACE HORSE CLINIC. A case report on necrosis of skeletal muscle at the "Twaochi" region, or a dimple, of a race horse. (Ja) Japan Vet. Med. Assoc. J. 17(2):17-18. 1964. 41.9 J275
- 92902 JOCHLE, W., and MERKT, H. The treatment of acyclia and nymphomania of mares with a depot-gestagen. (Ge) Deut. Tierarztl. Wchnschr. 71(8):201-202. Ref. Apr.13,1964. 41.8 D482  
English summary.  
Progesterone compounds; effects on estrus.
- 92903 KINGSLAND, S. K. Nail wounds. West. Horseman 29(5):101,139-140. May 1964. 42.8 W522  
Horses' feet.
- 92904 KNAPPENBERGER, R. E. Breeding problems of the equine. M. S. U. Vet. 24(3):145-148. Spring 1964. 41.8 M582  
Diseases of sex organs and infertility.
- 92905 KONO, Y., and KOBAYASHI, K. Cytopathogenic equine orphan (CEO) virus in horse kidney cell culture. I-II. Tokyo. Natl. Inst. Anim. Health. Q. 4(1):10-27. Ref. Spring 1964. 41.9 T575Q
- 92906 KONYUKHOV, M. P. Study of latent carrying of Haemosporidia by horses in western Kazakhstan. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:253-256. 1963. 41.9 R923  
French summary.
- 92907 LAVERS, D. W. The problem of internal parasites in working horses. Austral. Vet. J. 40(4):150-156. Ref. Apr.1964. 41.8 Au72  
Strongyles, Gasterophilus intestinalis and G. nasalis, chiefly.
- 92908 LEISSLER, L. C. Upward fixation of the patella. Sowest. Vet. 17(2):151-152. Winter 1964. 41.8 So82  
Horse.
- 92909 LOWELL, F. C. Observations on heaves; an asthma-like syndrome in the horse. J. Allergy 35(4):322-330. July/Aug.1964. 448.8 J8236
- 92910 MARIENBURG, M. An interesting horse spleen. (Ge) Monh. f. Vetmed. 19(1):37. Jan.1, 1964. 41.8 M742
- 92911 MILLER, R. M. Respiratory infections. West. Horseman 29(5):181. May 1964. 42.8 W522
- 92912 MILLER, W. C. Grass sickness. Anim. Health 2(1):16-21. Mar.1964. 41.8 An52  
Horses.
- 92913 NUMANS, S. R., and WINTZER, H. J. Bone and articular surgery of horse. (Ge) Wien. Tierarztl. Monschr. 51(4):217-230. Ref. Apr.1964. 41.8 T345  
English summary.
- 92914 OKOSHI, S., and TAKASHIO, M. A case of equine ringworm caused by Microsporum gypseum. Jap. J. Vet. Sci. 25(4):203-205. Aug. 1963. 41.8 J27
- 92915 OZGUDEN, T. Cases of uterovagina masculina observed in two donkey cadavers. (Tu) Ankara U. Vet. Fakul. Dergisi 10(2):166-169. 1963. 41.9 An4D  
English summary.
- 92916 PATE, R. S. Typical and atypical equine encephalomyelitis. Sowest. Vet. 17(4):323-324. Summer 1964. 41.8 So82
- 92917 PETRASHEVSKAYA, E. N. Dynamics of epizootic piroplasmiasis and nuttalliosis of horses in the Kirghiz SSR. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:356-362. 1963. 41.9 R923  
French summary.
- 92918 POTTER, R. H. Colic caused from diaphragmatic hernia. Sowest. Vet. 17(3):235-236. Spring 1964. 41.8 So82  
Horse.
- 92919 REESING, E. A case of vaginitis in a mare with adhesions occluding the cervix. Sowest. Vet. 16(4):323. Summer 1963. 41.8 So82
- 92920 RICHTER, W., and WESER, H. Dislocation (luxation) of sesamoid bone following rupture of distal sesamoid ligament. (Ge) Monh. f. Vet-med. 19(6):224-228. Ref. Mar.15,1964. 41.8 M742  
Horses.
- 92921 ROBERTS, D. Wound management in ranch horses. Sowest. Vet. 16(4):287-290. Summer 1963. 41.8 So82
- 92922 ROGERS, W. P. Equine purpura hemorrhagica. Sowest. Vet. 17(3):236-237. Spring 1964. 41.8 So82
- 92923 SKEWES, A. R. Equine dentistry. Sowest. Vet. 17(3):205-211. Spring 1964. 41.8 So82
- 92924 SOWA, J., MERRICK, J., and SKEWES, A. R. Repair of fractured femur in a two month old colt. Sowest. Vet. 17(3):233-234. Spring 1964. 41.8 So82
- 92925 SZPAKOWSKI, J. Remarks on treating tetanus in a horse. (Pol) Med. Weter. 20(5):296-297. May 1964. 41.8 M463
- 92926 TITUS, R. S. A study of the use of methoxy-flurane general anesthesia in the horse. Sowest. Vet. 17(4):279-288. Ref. Summer 1964. 41.8 So82
- 92927 WHITE, E. Equine glaucoma. Sowest. Vet. 17(4):324-325. Summer 1964. 41.8 So82
- 92928 WOODS, D. Surgical repair of a fracture of the ulna. Sowest. Vet. 17(1):69. Fall 1963. 41.8 So82  
Horse.
- 92929 WURSTER, A. C. Granulosa cell tumor in the ovary of a mare. Sowest. Vet. 17(2):149-151. Winter 1964. 41.8 So82
- 92930 ZASUKHINA, G. D. Formaldehyde induced mutation of the virus of western equine encephalomyelitis. (Rus) B. Eksper. Biol. i Med. 56(9):73-76. Sept.1963. 442.8 B87  
English summary.

#### Miscellaneous

- 92931 BRZESKI, E., and MORSTIN, J. Studies upon the use value of mules. (Pol) Acta Agr. et Silvestria. Ser. Zootech. 3:49-58. Ref. 1963. 49 Ac8  
English summary.  
As draft animals, chiefly.
- 92932 CLOSE, P. Careers with horses. West. Horseman 29(6):53,106. June 1964. 42.8 W522
- 92933 FITZPATRICK, J. The brumby muster. West. Horseman 29(6):54-56. June 1964. 42.8 W522  
Roundup of wild horses in Australia.
- 92934 MILLER, R. M. Cribbing and wood chewing. West. Horseman 29(5):141,164. May 1964. 42.8 W522
- 92935 RICHEY, W. Why some horses pull. Roy. Army Vet. Corps. J. 35(1):12-13. Spring 1964. 41.8 G79  
Chiefly mules.
- 92936 SASIMOWSKI, E. Studies on conditions and improvement possibilities of draft tests for horses. (Pol) Roczn. Nauk Roln. 82-B-3:551-565. 1963. 20.5 R59  
English summary.
- 92937 STOCK, C. The ascent of Equus; a story of the origin and development of the horse. Ed. 2. Los Angeles, 1963. 38 p.,map. Ref. 42 St62

#### LABORATORY ANIMALS, SMALL

##### Breeds and Breeding

- 92938 BLAHA, G. C. Factors involved in decline of reproductive capability in the aged female golden hamster. Diss. Abs. 24(12,pt.1):5498-5499. June 1964. 241.8 M58
- 92939 OZU, E., and SATO, A. Breeding experiments with white rats and mice. IX-X. (Ja) Zool. Soc. Japan Zool. Mag. 72(5):139-145; (6):183-186. Ref. May-June 1963. 410.9 T57  
English summary.



Feeds and Feeding

- 32940 DENENBERG, V. H., and WHIMBEY, A. E. Infantile stimulation and animal husbandry: a methodological study. *J. Compar. & Physiol. Psychol.* 56(5):877-878, Oct. 1963. 410 J822  
Feeding and housing rats.
- 32941 DURDLE, W. M. Carotene utilization and other factors influencing vitamin A nutrition of rats and ruminants. *Diss. Abs.* 24(12,pt.1):4890-4891. June 1964. 241.8 M58
- 32942 MATES, M. The effect on albino rats of the mycelium of some fungus species on rye bran and the changed protein values resulting therefrom. (Ge) *Zentbl. f. Parasitenk. Infekkrank. u. Hyg. Abt. II, Natwiss.* 117(7):722-735. Ref. Apr. 29, 1964. 448.3 C33  
English summary.  
Effects on digestibility.
- 32943 NAKAYA, T., and NAKAMURA, R. Studies on the feeding effect of rapeseed oilmeal. II. Influence of different treatments of oilmeal and castration on the specific effects of rapeseed oilmeal. (Ja) *Jap. J. Zootech. Sci.* 34(4):253-261. Ref. Sept. 1963. 49 N62  
English summary.  
Rats.
- 32944 NAKAYA, T., and NAKAMURA, R. Studies on the feeding effect of rapeseed oilmeal. III. Influence of hot-water extract from rapeseed oilmeal upon rats. (Ja) *Jap. J. Zootech. Sci.* 34(4):263-268. Ref. Sept. 1963. 49 N62  
English summary.
- 32945 PLUMLEE, M. P., and others. Growth response in rats fed various fractions of corn distillers dried solubles. *Distill. Feed Res. Council. Conf. Proc.* 19:37-42. Ref. Mar. 25, 1964. 389.79 C765  
R. L. Harrold, J. H. Conrad, and W. M. Beeson, joint authors.

Veterinary Medicine

- 32946 BHOWMICK, D. K. Contributions to the problem of the migration paths of ascarid larvae (*Ascaris lumbricoides* Linne 1758 and *Toxocara canis* Werner 1782) in an experimental and a natural host. (Ge) *Z. f. Parasitenk.* 24(2):121-168. Ref. Apr. 1, 1964. 442.8 Z33F  
English summary.  
Mice and cats.
- 32947 BOEGLER, F. The importance of morphological blood picture evaluation of laboratory animals and the normal morphohemogram of rats. (Ge) *Z. f. Verstierk.* 3(5/6):136-142. Ref. 1963. 410 Z36  
English summary.
- 32948 CAMPBELL, C. H. Relation of physiologic conditions to variations in susceptibility of mother mice to foot-and-mouth disease virus. *J. Immunol.* 92(6):858-863. Ref. June 1964. 448.8 J8232
- 32949 CHIKAMUNE, T. Effectiveness of selection of nucleic acids in the mammary glands of lactating mice. I. Changes of DNA content in the mammary glands of lactating mice. (Ja) *Jap. J. Zootech. Sci.* 34(6):387-392. Ref. Dec. 1963. 49 N62  
English summary.
- 32950 DERZSY, D. Problems of virological diagnosis of ornithosis. (Ge) *Arch. f. Expt. Vetmed.* 18(1):97-99. Feb. 1964. 41.8 Ex7  
Mice.
- 32951 ENGELBART, K., and STRASSER, H. Squamous cell epithelioma of ferret. (Ge) *Blauen H. f. den Tierarzt* 1:22-24. 1964. 41.9 B61
- 32952 FICQ, A., and FLAMENT-DURAND, J. Autoradiography in endocrine research. *NATO Advn. Study Inst. Tech. Endocrine Res. Proc.* 1963:73-85. Ref. 449.9 N81  
Laboratory animals.

- 32953 GARBULINSKI, T., and others. The toxicity of helanin for laboratory animals. (Pol) *Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Weter.* 15:207-213. Ref. 1963. 41.9 B753  
Z. Bubien, R. Wegrzynowicz, and J. Kotz, joint authors.  
English summary.  
Extract from *Inula helenium*.
- 32954 KALLAI, L., KEMENES, F., and VIZY, L. Leptospirosis of rats, dissemination mode of the infection and immunization of the infected rat colony against *Leptospira icterohemorrhagiae*. (Ge) *Z. f. Verstierk.* 3(3/4):65-76. Ref. 1963. 410 Z36  
English summary.
- 32955 KLINGENBERG, H. G., and ASCHENBRENNER, H. The transitory inhibition of activity in the guinea pig uterus by increasing the extracellular concentration of potassium and sodium in varying velocities. (Ge) *Z. f. Biol.* 114(1):49-58. Ref. Sept. 1963. 442.8 Z3  
English summary.
- 32956 KRETSCHMAR, W., and HAAKH, U. The relation of the course of rodent malaria (*Plasmodium berghei*) in mouse to exogenic factors and selection of mice strains. II-III. (Ge) *Z. f. Verstierk.* 4(1/2):32-56. Ref. 1964. 410 Z36  
English summary.
- 32957 LAPORTE, R., and SILLARD, R. Immunological study of a spontaneous osteochondrosarcoma of the guinea pig. (Fr) *Inst. Pasteur. Ann.* 105(5):838-848. Ref. Nov. 1963. 448.3 An75  
English summary.
- 32958 MANNA, G. K., and TALUKDAR, M. Chromosomal polymorphism in the guinea-pig, *Cavia porcellus*. *Experientia* 20(6):324-325. June 15, 1964. 475 Ex7
- 32959 NATO ADVANCED STUDY INSTITUTE, STRATFORD-UPON-AVON, 1963. Techniques in endocrine research. *Proceedings*, edited by P. Eckstein and F. Knowles. London, Acad. Press, 1963. 319 p. 444.9 N81  
Includes studies of laboratory animals and insects.
- 32960 NIESPODZIEWANSKI, M. Histochemical observations of the intracellular localization of acid deoxyribonuclease in the motor cells of the nucleus myorhabdoticus of the guinea pig. *Lublin. U. Marii Curie-Sklodowskiej. Ann. Sect. DD.* 17:65-76. Ref. 1962, pub. 1964. 512 L96Ad
- 32961 OEHMKE, H. J. Contribution to the knowledge of the macroscopic structure of the rat stomach. (Ge) *Z. f. Verstierk.* 3(1/2):55-62. Ref. 1963. 410 Z36  
English summary.
- 32962 PILIPENKO, V. G., and MIROSHNICHENKO, M. G. Compatibility of STI anthrax vaccine with plague, tularemia and brucellosis vaccines. *Fed. Amer. Soc. Expt. Biol. Fed. Proc.* 23(3,pt.2):T551-T554. Ref. May/June 1964. 442.9 F31P  
Tested in guinea pigs.
- 32963 POLLARD, M. Germfree animals and biological research. *Science* 145(3629):247-251. Ref. July 17, 1964. 470 Sci2
- 32964 RAYNAUD, A. Hormones in development; an account of technical procedures used in the field of foetal endocrinology. *NATO Advn. Study Inst. Tech. Endocrine Res. Proc.* 1963:261-288. Ref. 449.9 N81  
Laboratory animals.
- 32965 ROLINSKI, Z., and CHMIELECKI, L. Evaluation of effectiveness of hexachlorophene in controlling liver fluke using the *Lienert* rat test. (Pol) *Med. Weter.* 20(2):95-96. Feb. 1964. 41.8 M463
- 32966 SCHEUFELER, H. Inherited icterus in the newborn mouse—a new mutation of the house mouse (*Mus musculus domesticus* Rutty 1772); preliminary report. (Ge) *Z. f. Verstierk.* 3(1/2):27-29. 1963. 410 Z36  
English summary.
- 32967 SCHINDLER, R., and KRAMPITZ, H. E. In the differences in the susceptibility of various strains and species of mice toward the early summer meningo-encephalitis (CEE). (Ge) *Z. f. Tropmed. u. Parasitol.* 15(1):29-37. Ref. Apr. 1964. 448.8 Z37  
English summary.

- 92968 SCHINDLER, R., and KRAMPITZ, H. E. Quantitative tests of the host behavior of a spontaneous race of *Eperythrozoon coccoides* Schilling 1928. (Ge) Z. f. Tropmed. u. Parasitol. 15(1): 18-29. Ref. Apr. 1964. 448.8 Z37  
English summary.  
Mice.
- 92969 SCHMIDT, F., and WOZNICA, J. The gravimetric method of measuring respiration gases for determining the metabolism and energy balance in small animals. (Pol) Roczn. Nauk Roln. 82-B-3:467-481. Ref. 1963. 20.5 R59  
English summary.  
Tests with rats.
- 92970 SCHMIDT, F., and ALBERS, H. Two simple restraining devices for small experimental animals. (Ge) Z. f. Verstierk. 3(5/6):143-146. 1963. 410 Z36  
English summary.
- 92971 SCHOENTAL, R. Liver disease and "natural" hepatotoxins. World Health Organ. B. 29(6): 823-833. Ref. 1963. 449.9 W892B  
Plants poisonous to man and animals tested in laboratory animals.
- 92972 TREXLER, P. C. Germ-free isolators; they are widely used to raise laboratory animals in an environment that is entirely free of microorganisms. Sci. Amer. 211(1):78,80,83-84, 86,88. July 1964. 470 Sci25
- 92973 TURNER, C. W. Factors influencing mammary gland growth in the rat. Jap. J. Zootech. Sci. 34(6):361-367. Dec. 1963. 49 N62  
Hormones influencing milk secretion.
- Miscellaneous
- 92974 JOCHLE, W. Contributions from the cultural history of laboratory animals. I. Performance of a trained Chinese silver hamster (*Cricetus griseus*) in a street circus, Peking, 1929-1932. (Ge) Z. f. Verstierk. 3(1/2):30-33. Ref. 1963. 410 Z36
- 92975 LANE-PETTER, W. The experimental animal in research. NATO Advn. Study Inst. Tech. Endocrine Res. Proc. 1963:149-159. Ref. 449.9 N81
- 92976 OTT, J. Light and animal breeding. Natl. Chinchilla Breeder 20(6):17-18. June 1964. 412.628 N21  
Laboratory animals.
- 92977 STRASSER, H. Animal experiments and protection of animals. (Ge) Z. f. Verstierk. 3(1/2):1-10. Ref. 1963. 410 Z36  
English summary.
- POULTRY**
- Breeds and Breeding
- 92978 ABE, O. Results of a cross between Cornish and Hamphorn(?). (Ja) Niwatori-no-Kenkyu 38(7):86-89. July 1963. 47.8 N64
- 92979 ABE, S. Experimentation comparing the capabilities of American and Japanese poultry. (Ja) Japan Poultry J. 49(5):32-38. May 1964. 47.8 J27
- 92980 ASAYAMA, K. Experimentation on fattening of crossbred cocks used for meat. (Ja) Niwatori-no-Kenkyu 39(1):146-151. Jan. 1964. 47.8 N64
- 92981 BECKER, W. A. How to test poultry on your farm. Poultry Internatl. 2(4):48,50. Oct. 1963. 47.8 P8698  
Testing egg production of different stocks.
- 92982 COOPER, D. M. Artificial insemination in poultry. Poultry Rev. 3(4):63-68. Ref. Jan. 1964. 47.8 P8699
- 92983 EDWARDS, H. M. The influence of breed and/or strain on the fatty acid composition of egg lipids. Poultry Sci. 43(3):751-754. May 1964. 47.8 Am33P
- 92984 FUJIOKA, T. The creation of a new variety of hen. (Ja) Niwatori-no-Kenkyu 39(5):50-53. May 1964. 47.8 N64
- 92985 GLUCHOWSKI, W., and others. The usefulness of Polbar breed in crossing with other breeds for broiler production. 1-2. (Pol) Roczn. Nauk Roln. 82-B-3:437-466. Ref. 1963. 20.5 R59  
M. Lorkiewicz, J. Maciejowski, and J. Zieba, joint authors.  
English summary.
- 92986 HALE, M. Fighting the fertility fall-off. Turkeys 12(6):17-18. June 1964. 47.38 T847
- 92987 HALE, M. Infertility—the real "loss leader." Turkeys 11(8):18-20. Aug. 1963. 47.38 T847
- 92988 HALE, M. Is out-of-season breeding worth while? Turkeys 11(9):24-26. Sept. 1963. 47.38 T847
- 92989 HARRIS, G. C., and HOBBS, T. D. The effects of fluid to gas ratio, dilution rate, and CO<sub>2</sub> level on the fertilizing capacity of chicken spermatozoa stored in carbon dioxide extenders. Poultry Sci. 43(3):529-534. May 1964. 47.8 Am33P
- 92990 HUNTON, P. Genetics of egg shell colour: covariance with egg number and egg size. Brit. Poultry Sci. 5(1):45-48. Jan. 1964. 47.8 B77
- 92991 HUNTON, P. Turkey breeding in the 1960's. Turkeys Year Book 1963:22-23. 47.38 T843  
Great Britain.
- 92992 HUNTON, P. The use of lights in turkey breeding. Turkeys 11(8):16-17. Aug. 1963. 47.38 T847
- 92993 HUSAIN, K. G., and SINGH, S. N. A study on inheritance of some economic characters and their relative importance for selection in White Leghorn breed. I. Heritability of age and weight at sexual maturity and number and weight of eggs in White Leghorn. Indian Vet. J. 41(5):336-343. Ref. May 1964. 41.8 In2
- 92994 ITO. The establishment of a breeding structure. (Ja) Niwatori-no-Kenkyu 39(1):50-51. Jan. 1964. 47.8 N64  
Poultry.
- 92995 IWAMOTO, Y. A style of cross breeding in America. (Ja) Niwatori-no-Kenkyu 38(6):72-76. June 1963. 47.8 N64  
Poultry breeding.
- 92996 IWAYA, H. Artificial insemination and the lowering of the fertilization rate. (Ja) Niwatori-no-Kenkyu 38(7):42-43. July 1963. 47.8 N64  
Poultry.
- 92997 KATO, K. Hybrid activities in the United States. (Ja) Japan Poultry J. 48(4):40-44,47. Apr. 1963. 47.8 J27
- 92998 KAUFMAN, L. The "Polbar" breed of poultry. (Pol) Roczn. Nauk Roln. 82-B-3:361-374. 1963. 20.5 R59  
English summary.
- 92999 KOKUBO, J. The specialized broiler type that has been developed. (Ja) Niwatori-no-Kenkyu 38(12):100-105. Dec. 1963. 47.8 N64
- 93000 KOPLIK, MRS. K. E. Investigation of determination of semen quality of cocks. (Hu) Allat-tenyesztes 13(1):51-55. Ref. Mar. 1964. 49 AL57  
English summary.
- 93001 KOSENKO, N. F. Increasing meat production of poultry by crossing lines. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:159-163. 1963. 20 M857
- 93002 KOVACS, E. Fertility studies of turkey. (Ge) Tierzucht 18(5):271-275. Ref. May 1964. 49 T443
- 93003 KUBOTA, M. The value of nest eggs. (Ja) Japan Poultry J. 49(3):106-108,113-115. Mar. 1964. 47.8 J27  
Poultry breeding.
- 93004 KUSHNER, KH. F., and KHEIYA, SH. Some indices of meat quality of crossbred and purebred chicks. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:145-149. 1963. 20 M857
- 93005 LUTZENBERG, F., and SCHMIDT, G. Breeding observations for economic production of quality slaughter poultry. (Ge) Tierzucht 18(5):266-271. Ref. May 1964. 49 T443
- 93006 MCBRIDE, G. The interactions between genotypes and housing environments in the domestic hen. Austral. Soc. Anim. Prod. Proc. 4:95-102. Ref. 1962. 49.9 Au72  
Heritability for egg production.



- 93007 MCCARTNEY, M. G. A randombred control population of turkeys. *Poultry Sci.* 43(3):739-744. May 1964. 47.8 Am33P
- 93008 MCDONALD, M. W., and BEILHARZ, R. G. Genetic variation in calcium metabolism in poultry. *EMB Bulletin* 3(10):45,47. Sept.1963. 280.38 Eg3.
- 93009 MAUCH, A. Applying industrial cross-breeding methods in aviculture in order to increase meat and egg production. (Rum) *Rev. de Zootech. si Med. Vet.* 13(1):47-49. Jan.1963. 49 P943
- 93010 MERRIFIELD, J. Just for their beauty; culture of ornamental ducks. *Pigs & Poultry* 11(8):4-5. June 1964. 47.8 Ir4
- 93011 MILLAR, P. G., and GARWOOD, F. E. Field trials of diluents in the artificial insemination of turkeys. *Vet. Rec.* 76(28):624-627. June 6, 1964. 41.8 V641
- 93012 MIYOSHI, J. Yellow chickens and blue chickens; poultry breeding in America. (Ja) *Japan Poultry J.* 49(1):86-88. Jan.1964. 47.8 J27
- 93013 MORENG, R. E. The W-7 Committee—how it helps the industry. *Turkey World* 39(3):12,24-25. Mar.1964. 47.38 T84  
Project on genetic and environmental factors affecting reproduction in turkeys of the Western Regional Turkey Breeding Project.
- 93014 MUKAHIRA, I. The egg laying record of five breeds of chicken and the winter slump. (Ja) *Japan Poultry J.* 49(2):62-64. Feb.1964. 47.8 J27
- 93015 MURAMATSU, Y. The charm of game fowl. 4. (Ja) *Japan Poultry J.* 48(4):156-159. Apr.1963. 47.8 J27
- 93016 MURAOKA, K. Breeding poultry for meat. 1-2. (Ja) *Japan Poultry J.* 48(10):80,83-87; (11):70-73. Oct.-Nov.1963. 47.8 J27
- 93017 MYMRIN, I. A. Heredity of meat productivity in linebred poultry. (Rus) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok.* 90:154-158. 1963. 20 M857
- 93018 NAKAGAWA, T. My experiments on the comparison of chicken breeds. (Ja) *Japan Poultry J.* 48(5):88-90,93. May 1963. 47.8 J27
- 93019 NICHOLAS, G. A. Breeding to meet changeable needs in the United States. *Turkeys* 12(3):32, 39. Mar.1964. 47.38 T847
- 93020 OKTABA, W. Unbalanced random models of hierarchical classification. (Pol) *Rocz. Nauk Roln.* 82-B-3:417-435. Ref. 1963. 20.5 R59  
English summary.  
As applied to research on poultry breeding.
- 93021 OKUBO, M. On the economic character of hybrids. (Ja) *Japan Poultry J.* 48(5):45-49. May 1963. 47.8 J27
- 93022 PEL'TTSEER, S. O. Viability of chicks and productivity of poultry of meat-egg type hatched at various seasons. (Rus) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok.* 90:150-153. 1963. 20 M857
- 93023 PETERSEN, J., and JORGENSEN, J. Future of breeding? (Da) *Slagtefjerkræ* 3(1):4-7. Jan.15,1964. 47.8 SL1
- 93024 POP, M., and GEORGESCU, M. Some aspects concerning the productivity of Pekin x Khaki Campbell hybrids. (Rum) *Rev. de Zootech. si Med. Vet.* 14(5):34-43. May 1964. 49 P943  
English summary.  
In meat and egg production.
- 93025 SAITO, M. American type poultry as seen from the point of view of the egg farmer. (Ja) *Japan Poultry J.* 49(5):24-31. May 1964. 47.8 J27
- 93026 SCHEIN, M. W. On the irreversibility of imprinting. *Z. f. Tierpsychol.* 20(4):462-467. Ref. Oct.1963. 410 Z35  
Male White Holland turkeys studies.
- 93027 SCHNEIDER, K. H. Concluding views on the results of broiler fattening experiences with various races and crossings. (Ge) *Tierzucht* 17(11):523-524. Nov.1963. 49 T443
- 93028 SHIOYA, K. The actualities of American chickens as seen from the point of view of breeding. (Ja) *Niwatori-no-Kenkyu* 38(6):98-103. June 1963. 47.8 N64
- 93029 SKALBA, D. Allotypes GA1, GA2, GA3 of proteins in hen sera. *Acad. Polon. des Sci. B. Ser. des Sci. Biol.* 12(3):101-103. 1964. 512 W262
- 93030 STICHTING VOOR HET FOKKERIJWEZEN BIJ DE PLUIMVEEHOUDERIJ. Jaarverslag [Annual report], 1963. n.p., 1964. 44 p. 47.9 St5
- 93031 TANABE, H. Japanese poultry should not be abandoned. (Ja) *Japan Poultry J.* 49(4):42-44, 49-52. Apr.1964. 47.8 J27  
Breeding.
- 93032 TANAKA, Y. Diallel crossing of poultry. (Ja) *Niwatori-no-Kenkyu* 39(1):58-63. Jan.1964. 47.8 N64
- 93033 TANIUCHI, M. Improving poultry types in the future. (Ja) *Japan Poultry J.* 48(4):62-67; (5):70-77. Apr.-May 1963. 47.8 J27
- 93034 TANIUCHI, M. On breeding chickens for meat production. 1-2. (Ja) *Japan Poultry J.* 49(1):50-53; (2):114-117. Jan.-Feb.1964. 47.8 J27
- 93035 TANIUCHI, A. On breeding poultry for meat production. 3. (Ja) *Japan Poultry J.* 49(3):32-36. Mar.1964. 47.8 J27
- 93036 VANVLECK, L. D., and DOOLITTLE, D. P. Genetic parameters of monthly egg production in the Cornell controls. *Poultry Sci.* 43(3):560-567. Ref. May 1964. 47.8 Am33P
- 93037 VOROSHILOV, N. V. Manifesting heterosis in crossbreeding of fowl. (Rus) *Leningrad. U. Vest. Ser. Biol.* 3:141-149. Ref. 1963. 442.9 L542V  
English summary.
- 93038 WENTWORTH, B. C., and MELLEN, W. J. Effects of spermatozoal antibodies and method of insemination on the fecundity of domestic hens. *Brit. Poultry Sci.* 5(1):59-65. Ref. Jan.1964. 47.8 B77
- 93039 WIETHAUP, H. Disturbance of the peace through the crowing of a rooster. (Ge) *Recht der Landwirt.* 16(5):119-120. May 1964. 30.58 R24
- 93040 WOLFORD, J. H. The best time to inseminate. *Turkey World* 39(3):18,20. Mar.1964. 47.38 T84
- 93041 YAMADA, Y. The future improvement of poultry breeds. (Ja) *Niwatori-no-Kenkyu* 38(12):50-55. Dec.1963. 47.8 N64

#### Feeds and Feeding

- 93042 ABE, O. Experiments in using wheat spoiled by red rust as feed. (Ja) *Keiyu* 12:162-166. Dec.1963. 47.8 K26
- 93043 ABE, S. The waste of greens on laying chickens. (Ja) *Niwatori-no-Kenkyu* 38(12):138-143. Dec.1963. 47.8 N64
- 93044 AGARWAL, G. P. To compare the differences in growth rate and feed efficiency of chicks by feeding wheat bran and poultry litter. *Indian Poultry Gaz.* 47(3):9-12. Oct.1963. 47.8 In22
- 93045 AGUILERA AMEZCUA, A. Effect of supplementing the first limiting amino acid in rations containing sesame oil meal for poults. (Sp) *Tec. Pecuaria en Mex.* 2:13-15. July 1963. 49 T222  
English summary, p.4.
- 93046 AITKEN, J. R., and others. A feeding trial conducted at six different locations. *Poultry Sci.* 43(3):744-751. May 1964. 47.8 Am33P  
J. Biely, D. C. Hill, J. B. O'Neill, A. R. Robblee, and J. T. Sell, joint authors.  
Feed rations for broilers.
- 93047 ALMQUIST, H. J. Amino acids requirements. *World's Poultry Sci. J.* 20(1):16-21. Ref. Jan./Mar.1964. 47.8 W89
- 93048 AL'ZODZHADZHI, R. D. Full value and well balanced rations for meat-type chicks. (Rus) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok.* 90:164-168. 1963. 20 M857
- 93049 ANTALDI, G. G. V. Use of erythromycin and spiramycin in poultry raising. (It) *Milan. U. Cattolica del Sacro Cuore. Facol. di Agr. Ann.* (n.s.)3(3):593-601. Ref. Dec.1963. 16 M582  
English summary.

- 93050 AOYAMA, M. The influence of limited food supply during the growing period on laying chickens. (Ja) Keiyu 2:68-74. Feb.1964. 47.8 K26
- 93051 AZEYANAGI, E. Chick growth and the protein content of feed. (Ja) Japan Poultry J. 48(5): 60-61. May 1963. 47.8 J27
- 93052 BIANCHI, G. Recent literature on the effects of antibiotics used as food supplements for poultry and the relative practical applications. (It) Gior. Avic. Varesine. [Atti] 2:20-47. Ref. 1962. 47.9 G43
- 93053 BIXLER, E. The feeding of turkeys. (Sp) Mex. Agr. 10(118):23-25. Dec.1963. 8 M5762
- 93054 BOSE, S. The impact of recent advances in poultry nutrition on poultry production in India. Indian Poultry Gaz. 47(4):25-30. Jan.1964. 47.8 In22
- 93055 BOSTICCO, A., BIANCHI, E., and BONOMI, A. The amino acid content of mixture of concentrated chicken-feed used in feeding chickens and laying hens in the Parmesan area. (It) Riv. di Zootec. 36(12):748-752,754-761. Dec.1963. 49 R52
- 93056 BOSTICCO, A. Considerations of use of antibiotics in fowl nutrition. (It) Riv. di Zootec. 36(9):537-545. Sept.1963. 49 R52
- 93057 BRANDT, H. The effective use of feed in poultry growing. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:74-75. 1964. 20 M57  
Includes egg production.
- 93058 BOSTICCO, A., and BONOMI, A. Tobacco seed meal extract in fowl nutrition. (It) Riv. di Zootec. 36(10):616-620. Oct.1963. 49 R52
- 93059 BUDOWSKI, P., and others. Vitamin A activity of acidulated soybean soapstocks in chicks. Amer. Oil Chem. Soc. J. 41(6,tech.sect.):441-445. Ref. June 1964. 307.8 J82  
I. Ascarelli, J. Gross, I. Nir, and A. Bondi, joint authors.
- 93060 CARLSON, C. W. New trend in protein. Turkey World 39(6):28-29. June 1964. 47.38 T84
- 93061 CARLSON, C. W., HALVERSON, A. W., and KOHLER, G. O. Some effects of dietary pigments on egg yolks and mayonnaise. Poultry Sci. 43(3):654-662. Ref. May 1964. 47.8 Am33P
- 93062 CARPENTER, K. J., and MARCH, B. E. Fats in poultry rations and the problem of quality control. (Fr) Indus. de l'Aliment. Anim. 148: 31,33,35,37,39,41,43,45. Jan.1964. 389.78 In2
- 93063 CONSO, P., and others. Interaction between choline and methionine supplements in meat poultry feeding with normal protein and normal energy diet. (It) Riv. di Zootec. 36(5):309,311-321. May 1963. 49 R52  
E. Cabassi, A. Tardani, and B. Lux, joint authors.
- 93064 COUCH, J. R. Recommended program for feeding growing turkeys. Turkey World 39(5): 62-64. May 1964. 47.38 T84  
Includes formulas.
- 93065 COUCH, J. R. Unidentified factors in the nutrition of the breeder and broiler. Distill. Feed Res. Council. Conf. Proc. 19:50-58. Ref. Mar.25,1964. 389.79 C765  
Use of distillers' dried solubles.
- 93066 CRAIGHEAD, C. Keep cage hens eating to get more production. Poultry Tribune 70(7):40,42. July 1964. 47.8 P8642
- 93067 CUCA, M., PINO, J. A., and MENDOZA, C. The use of pigments in poultry feed. (Sp) Tec. Pecuaría en Mex. 2:39-42. July 1963. 49 T222  
English summary, p.6.  
Chiefly xanthophyll and its effect on egg and meat color.
- 93068 DANIELS B., R., and AGUILERA AMEZCUA, A. Effect of trace minerals and the absence of mineral supplements in the diet on the growth and incidence of perosis in young turkeys. (Sp) Tec. Pecuaría en Mex. 2:45-48. July 1963. 49 T222  
English summary, p.6.
- 93069 DAY, E. J., DILWORTH, B. C., and DUA, P. N. Reduced incidence of blood spots in eggs with dicumarol supplementation. Poultry Sci. 43(3): 796-798. May 1964. 47.8 Am33P
- 93070 DAY, E. J., and WOODY, R. C. The relationship of vitamin K to the incidence of blood spots in eggs and blood prothrombin time of layers. Poultry Sci. 43(3):794-796. May 1964. 47.8 Am33P
- 93071 DEAN, W. F. The development of a crystalline amino acid reference diet for chicks with special reference to its use in studying the effect of suboptimal and superoptimal dietary concentrations of amino acids of the free amino acid content of blood plasma. Diss. Abs. 24(12, pt.1):4890. June 1964. 241.8 M58
- 93072 DENOVSKEI, D. Studies on vitamin E deficiency in the first 20 days of life of chicks. (Bu) Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zookhig. Izv. 3:23-29. Ref. 1963. 41.9 B874  
German summary.
- 93073 DIMITROV, S., and POPKHRISTOV, A. Experiment for the manufacture of vitamin-mineral preparations for laying hens. (Bu) Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zookhig. Izv. 3:43-50. 1963. 41.9 B874  
German summary.
- 93074 GAREWAL, N. S. Poultry-keeping has role to play in emergency. Indian Livestock 1(3):17-18. July/Sept.1963. 49 In23  
Chiefly feeding and disease control.
- 93075 GAZO, M. The color of egg yolk. (Sp) Tierra [Mexico] 18(12):941,975. (Concl.) Dec.1963. 8 T445  
Effect of feeding.
- 93076 GEORGIEVSKII, V. I. Morphology and physiology of thymus gland. 7. Effect of feeding chicks on thymus tissues on their growth. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:205-208. 1963. 20 M857
- 93077 GLUCHOWSKI, W., and others. The influence of various herb mixtures added to feed on the growth, feathering and viability of broilers to 12 weeks of age. (Pol) Roczn. Nauk Roln. 82-B-3:399-416. 1963. 20.5 R59  
M. Lorkiewiczowa, J. Maciejowski, and J. Zieba, joint authors.  
English summary.
- 93078 GRAMATZKI, F. New possibilities for poultry production success. (Ge) Tierzuchter 16(7): 233-234. Apr.5,1964. 49 T445  
Antioxidants feeding.
- 93079 GT. BRIT. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Feeding turkeys. Gt. Brit. Min. Agr. Fisheries & Food. Adv. L. 427,rev.,6 p. May 1964. 10 G79La
- 93080 GRIMINGER, P., and LUTZ, H. Observations on the voluntary intake of calcium supplements by the laying hen. Poultry Sci. 43(3):710-716. May 1964. 47.8 Am33P
- 93081 HAENDLER, H. Leistungsfutter wird geplant [Energy feed will be planned]. Hühnerbrief 9, 22 p. Ref. Feb.15,1963. 47.8 H87
- 93082 HALE, M. Anything new in feeding. Turkeys 12(4):17-18. Apr.1964. 47.38 T847
- 93083 HALE, M. Efficiency, labour and economics. Turkeys 11(10):27-29. Oct.1963. 47.38 T847  
Feeding in Great Britain.
- 93084 HARMS, R. H. Feeding hens to beat the heat. Poultry Tribune 70(6):19,36. June 1964. 47.8 P8642  
Laying hens.
- 93085 HARMS, R. H. The laying hen and her protein requirement. Feed Age 14(7):22-24. Ref. July 1964. 389.78 F327
- 93086 HAYASHI, I. Thoughts on poultry management using self supplied feed. (Ja) Japan Poultry J. 48(4):114-117. Apr.1963. 47.8 J27
- 93087 HENCKEN, H. Feeding plan for laying hens. (Ge) Tierzuchter 16(10):362,365-366. May 20, 1964. 49 T445  
English summary.
- 93088 HENNIG, A., and GRUHN, K. Studies on the use of machine leather scraps in duck feeding. (Ge) Tierzucht 18(2):104-106. Feb.1964. 49 T443



- 93089 HEYWANG, B. W., REID, B. L., and KEMMERER, A. R. Effect of sodium ascorbate on egg shell thickness during hot weather. *Poultry Sci.* 43(3):625-629. Ref. May 1964. 47.8 Am33P
- 93090 HOLROYD, P. H. Effect of food trough space on growing turkeys. *Turkeys* 12(4):14-15. Apr.1964. 47.38 T847
- 93091 ISAGAWA, Y. The operational profit of mixed feeds. (Ja) *Niwatori-no-Kenkyu* 39(5):110-116. May 1964. 47.8 N64
- 93092 JUCKER, H. Possibilities of increasing the effectiveness of feed utilization with the aid of recent knowledge of animal nutrition. (Fr) *Indus. de l'Aliment. Anim.* 148:47,49,51,53,55, 57,59. Jan.1964. 389.78 In2  
Poultry feeding.
- 93093 KAMO, T. Brilliant results from the study of heredity. (Ja) *Japan Poultry J.* 48(4):68-72, 75. Apr.1963. 47.8 J27
- 93094 KAWAMURA, K. Poultry feed and amino acids. (Ja) *Japan Poultry J.* 48(5):55-59. May 1963. 47.8 J27
- 93095 KAWAMURA, R. The use of feed for meat production. (Ja) *Niwatori-no-Kenkyu* 38(6):122-123. June 1963. 47.8 N64
- 93096 KIENHOLZ, E. W., SUNDE, M. L., and HOEKSTRA, W. G. Influence of dietary zinc, calcium and vitamin D for hens on zinc content of tissues and eggs and on bone composition. *Poultry Sci.* 43(3):667-675. Ref. May 1964. 47.8 Am33P
- 93097 KIKUCHI, H. Poultry and the self supply of feed. (Ja) *Niwatori-no-Kenkyu* 39(1):36-37. Jan.1964. 47.8 N64  
Home production.
- 93098 KOPLIK, MRS. K. E. Turkey poult rearing on native commercial feed. (Hu) *Baromfitenyesztes* 8(6):8-9. June 1964. 47.8 B262
- 93099 KOTANI, T. Problems in feeding broilers. (Ja) *Niwatori-no-Kenkyu* 38(11):70-77. Nov. 1963. 47.8 N64
- 93100 KRALOVANSZKY, U., and SZELENYI, MRS. E. The effect of feed mixtures on meat and egg production of poultry. (Hu) *Buvar* 9(2):90-93. Mar./Apr.1964. 410 B98
- 93101 KRAMP, J., and NEHRING, K. Study on the use of mixed feeds in pressed form. (Ge) *Tierzucht* 18(5):262-265. May 1964. 49 T443  
Poultry and swine feeding.
- 93102 KRATZER, F. H., STARCHER, B., and MARTIN, E. W. Fractionation of soybean meal for growth and antiperotic factors. 3. *Poultry Sci.* 43(3):663-667. Ref. May 1964. 47.8 Am33P  
Turkeys.
- 93103 KURODA, R. On the calcium and phosphorus content. (Ja) *Japan Poultry J.* 48(4):100-103. Apr.1963. 47.8 J27  
In poultry nutrition.
- 93104 LARREA-PANTOJA, M., and GARCIA-PESTANA, A. Growth stimulating effect of high crude fiber rations. *World's Poultry Sci. J.* 19(4):282-288. Oct./Dec.1963. 47.8 W89
- 93105 LIPSTEIN, B., and BORNSTEIN, S. Studies with acidulated cottonseed-oil soapstock. 1-2. *Poultry Sci.* 43(3):686-701. Ref. May 1964. 47.8 Am33P  
To establish highest permissible level of gossypol in broiler ration.
- 93106 MCARDLE, A. A. A "ready reckoner" for costing the poultry feed. *Indian Poultry Gaz.* 47(3):5-8. Oct.1963. 47.8 In22
- 93107 MCDONALD, M. W. The replacement value of grains in poultry diets. N. S. Wales. Dept. Agr. *Poultry Notes*, Oct.1963:7-11. 47.9 N472
- 93108 MCDONALD, M. W. The replacement value of grains in poultry diets. *World's Poultry Sci. J.* 20(2):122-127. Apr./June 1964. 47.8 W89
- 93109 MCGINNIS, J. Reducing costs of production through efficient feeding. *Turkeys* 12(3):41,43, 45. Mar.1964. 47.38 T847  
Turkeys.
- 93110 MATTERSON, L. D., and TLUSTOHOWICZ, J. Corn distillers dried grains with solubles in rations for high-producing hens. *Distill. Feed Res. Council. Conf. Proc.* 19:9-11. Mar.25, 1964. 389.79 C765
- 93111 MILLS, B. R. Economy with feeds—some ways and means. *Turkeys Year Book* 1963:32-34. 47.38 T843
- 93112 MILNE, F. N. J. Techniques for increasing egg size. *EMB Bulletin* 3(11):36-37. Oct.1963. 280.38 Eg3  
Feeding and artificial lighting of poultry.
- 93113 MIYASHITA, I. The standard supply and limited rations of commercially mixed feeds. (Ja) *Niwatori-no-Kenkyu* 39(3):32-35. Mar.1964. 47.8 N64  
Poultry feed.
- 93114 MORENG, R. E., and others. An analysis of strain response to dietary protein levels. *Poultry Sci.* 43(3):630-638. Ref. May 1964. 47.8 Am33P  
H. L. Enos, W. A. Whittet, and B. F. Miller, joint authors.
- 93115 MORRIS, T. R., and FOX, S. The effect of medium and high energy laying diets on strains of different body weights. *World's Poultry Sci. J.* 19(4):306-311. Oct./Dec.1963. 47.8 W89
- 93116 MORRISON, W. D. Turkey nutrition. *Canad. Poultry Rev.* 87(10):65-68. Oct.1963. 47.8 C16
- 93117 MOYER, D. D. Pasture or range? *Turkey World* 39(6):17,21. June 1964. 47.38 T84
- 93118 MULLER, H. The fattening of poultry from economical aspect. (Ge) *Tierzucht* 17(10):480-483. Oct.1963. 49 T443
- 93119 NARIZAWA, F. Forage plants as feed for raising chickens. (Ja) *Japan Poultry J.* 48(5):37-38. May 1963. 47.8 J27
- 93120 NERI, A. Considerations and remarks on laws for chicken-feed. (It) *Gior. dei Pollicolt.* 13 (12):75-76,78,80. Dec.1963. 47.8 G43
- 93121 NESHEIM, M. C. Calcium levels in rations for laying hens. N. Y. State Col. Agr. (Cornell U.) Ext. *Cornell Feed Serv.* 58:1-2. June 1964. 275.29 N48Cf
- 93122 NIJVELD, W. J. Addition of copper sulfate and penicillin to feed for broilers. (Du) *Veeteelt en Zuivelber.* 6(5):218-221. May 1963. 49 V51
- 93123 NINOMIYA, S. On the economic nature of egg production governed by the supply of grit. (Ja) *Keiyu* 5:142-146. May 1964. 47.8 K26
- 93124 OCHI, K. Results of raising laying hens on low protein feeds. (Ja) *Niwatori-no-Kenkyu* 39(5):76-81. May 1964. 47.8 N64
- 93125 OKABE, K. Essential management after they start to eat. (Ja) *Keiyu* 11:184-186. Nov.1963. 47.8 K26  
Feeding of chicks.
- 93126 ONARI, K. The correct use of the waste from fresh fish in the raising of poultry on a small scale. (Ja) *Japan Poultry J.* 49(4):110-114. Apr.1964. 47.8 J27
- 93127 ONARI, K. On the addition of methionine to feed for laying hens. (Ja) *Keiyu* 4:140-146, 151-155. Apr.1964. 47.8 K26
- 93128 ONARI, K. Research concerning feed formulas for poultry. (Ja) *Keiyu* 12:142-146,151-153. Dec.1963. 47.8 K26  
For meat production.
- 93129 ONARI, K. Research on feeds for the promotion of development of chicks. 3. (Ja) *Keiyu* 11:152-155. Nov.1963. 47.8 K26
- 93130 O'NEIL, J. B. Further data on the feeding of concentrate pellets and whole grain to laying hens. *World's Poultry Sci. J.* 20(2):116-121. Ref. Apr./June 1964. 47.8 W89
- 93131 ONISHI, T. The results of adding flavor to chick feed. (Ja) *Niwatori-no-Kenkyu* 39(4):174-178. Apr.1964. 47.8 N64
- 93132 PANDA, J. N. Cheap sources of feeding birds. *Indian Poultry Gaz.* 47(3):28-32. Oct.1963. 47.8 In22  
Poultry nutrient requirements.
- 93133 PAUNESCU, I. Using ground shell in feeding animals for providing minerals. (Rum) *Rev. de Zooteh. si Med. Vet.* 14(3):85-86. Mar.1964. 49 P943  
Poultry.
- 93134 PAYNE, C. G., LAMMING, G. E., and LEWIS, D. Synthetic oestrogens in the production of roasting fowl. I. Dietary energy-protein balance. *Brit. Poultry Sci.* 5(1):49-57. Ref. Jan. 1964. 47.8 B77

- 93135 PETERSEN, V. E. Antibiotics for broilers. (Da) *Slagtefjerkrae* 3(1):10-12. Jan. 15, 1964. 47.8 SL1
- 93136 PETERSEN, V. E. Energy content of grain. (Da) *Slagtefjerkrae* 2(8):128-129. Apr. 30, 1963. 47.8 SL1  
Poultry feeding.
- 93137 PETERSEN, V. E. Ground or granulated chicken feed. (Da) *Slagtefjerkrae* 2(22):384-385, 389. Nov. 30, 1963. 47.8 SL1  
Effects on growth.
- 93138 PHELPS, A. Stop wasting feed! *Poultry International* 2(2):20, 22-23. Apr. 1963. 47.8 P8698  
Reasons for waste in feeders and handling.
- 93139 PICCIONI, M. DL methionine and methionine hydroxy analogue. (It) *Aliment. Anim.* 8(3):135-138. Mar. 1964. 389.78 AL4  
Poultry nutrition.
- 93140 PICCIONI, M. Protein additives; DL methionine and the hydroxy-analog of methionine make interesting news for chicken feed. (It) *Avicoltura* 33(2):77-79. Feb. 1964. 47.8 R523
- 93141 PLACK, P. A., MILLER, W. S., and WARD, C. M. Effect of vitamin A deficiency on the content of three forms of vitamin A in hen's eggs. *Brit. J. Nutr.* 18(2):275-280. 1964. 389.8 B773
- 93142 RAO, S. B. V. How vitamin deficiencies could be overcome on poultry farms. *Indian Poultry Gaz.* 47(4):1-7. Jan. 1964. 47.8 In22
- 93143 RIONI, M. The use of fermentation products in feeding of broilers. (It) *Gior. Avic. Varese*. [Atti] 3:124-131. Ref. 1962. 47.9 G43  
Includes feed formulas.
- 93144 ROBERTSON, J. Chickens that consume less calcium grow more rapidly. (Sp) *Mex. Agr.* 10(118):8-11. Dec. 1963. 8 M5762
- 93145 ROGLER, J. C., and CARRICK, C. W. Studies on raw and heated unextracted soybeans for layers. *Poultry Sci.* 43(3):605-612. Ref. May 1964. 47.8 Am33P
- 93146 SAITO, Y. Research concerning the intake of food and water and the egg production rate using machinery giving an automatic supply of feed and water. (Ja) *Keiyu* 4:40-42. Apr. 1964. 47.8 K26
- 93147 SANFORD, P. E. High energy mixture feeds; for the use of American laying hens. (Ja) *Niwatori-no-Kenkyu* 38(7):94-99. July 1963. 47.8 N64
- 93148 SANNINO, D. The CPI [Cooperatief Pluimveefokkers Instituut] in Europe; the activities of that Institute have been extended with success in all Europe. (It) *Avicoltura* 33(2):105-116. Feb. 1964. 47.8 R523  
In Nuland.
- 93149 SCOTT, M. L. A discussion of turkey nutrition with special emphasis on amino acid and unidentified growth factor requirements. *Distill. Feed Res. Council. Conf. Proc.* 19:26-29. Mar. 25, 1964. 389.79 C765
- 93150 SCOTT, M. L. Least-cost feed or least-cost production? *Feedstuffs* 36(28):8. July 11, 1964. 286.81 F322  
For egg production.
- 93151 SCOTT, M. L. New studies on the pantothenic acid requirements of breeding chickens. N. Y. State Col. Agr. (Cornell U.) Ext. Ext. Cornell Feed Serv. 58:4-6. June 1964. 275.29 N48Cf
- 93152 SELL, J. L. Lysine supplementation of wheat-soybean meal turkey ration. *Canad. Grain J.* 20(7):13-14. July 1964. 59.8 C16
- 93153 SINGSEN, E. P., and others. The effect of a lysine deficiency on body weight and age at sexual maturity of meat-type pullets. *Poultry Sci.* 43(3):786-787. May 1964. 47.8 Am33P  
J. Nagel, S. G. Patrick, and L. D. Matterson, joint authors.
- 93154 SNETSINGER, D. C., and others. The L-phenylalanine and L-valine requirement of the turkey poult and the utilization of their D-isomers. *Poultry Sci.* 43(3):675-681. Ref. May 1964. 47.8 Am33P  
D. G. Britzman, R. C. Fitzsimmons, and P. E. Waibel, joint authors.
- 93155 SORENSEN, J. B. Is improvement of the feed value of barley for poultry possible? (Da) *Landbonyt* 18(1):28-30. Jan. 1964. 11 L2322
- 93156 STUTTS, E. C. How to benefit from modern nutrition. *Poultry Tribune* 70(8):16-17, 36. Aug. 1964. 47.8 P8642  
Chiefly on keeping the records, and costs and returns, for egg producers.
- 93157 SUMMERS, J. D. The use of high moisture corn in chicken rations. *Canad. Poultry Rev.* 87(12):30-32. 1 c. 1963. 47.8 C16
- 93158 TAMADA, S. On feed for chicks and young chickens. (Ja) *Japan Poultry J.* 49(6):160-163. June 1964. 47.8 J27
- 93159 TANAKA, T., YAMANE, T., and NISHIKAWA, T. Value of Japanese barley in chick starter feed. (Ja) *Jap. J. Zootech. Sci.* 34(4):269-274. Ref. Sept. 1963. 49 N62  
English summary.
- 93160 TARDANI, A., and RALLO, F. Effect of penicillin G procaine, spiramycin, chlortetracycline and their compounds in the nutrition of meat poultry with normal protein diet. (It) *Riv. di Zootec.* 36(9):501-511. Sept. 1963. 49 R52
- 93161 TEMPERTON, H., and CASSIDY, J. Phosphorus requirements of poultry. I-III. *Brit. Poultry Sci.* 5(1):75-88. Ref. Jan. 1964. 47.8 B77  
I, The utilisation of phytin phosphorus by the chick as indicated by balance experiments; II, The utilisation of phytin phosphorus by the chick for growth and bone formation; III, The effect of feeding a vegetable type diet without supplementary phosphorus to turkey poults.
- 93162 TOUCHBURN, S. P., CHAMBERLIN, V. D., and NABER, E. C. How restricted diets affect reproduction. *Turkey World* 38(12):44, 46, 48. Dec. 1963. 47.38 T84
- 93163 TURK, J. L., and MCGINNIS, J. Influence of vitamin D on various aspects of the reproductive process in mature hens. *Poultry Sci.* 43(3):539-546. Ref. May 1964. 47.8 Am33P
- 93164 VOHRA, P., and KRATZER, F. H. The use of ground carobs in chicken diets. *Poultry Sci.* 43(3):790-792. May 1964. 47.8 Am33P
- 93165 WALDROUP, P. W., and HARMS, R. H. The effect of dietary protein restriction of laying hens on subsequent performance. *Poultry Sci.* 43(3):792-794. May 1964. 47.8 Am33P
- 93166 WELLS, R. G. Feeding and stocking trials. *Pigs & Poultry* 11(2):5. Dec. 1963. 47.8 Ir4  
Home-mixed broiler diets in Ireland.
- 93167 YAMAMOTO, K. Using potatoes as the chief feed. (Ja) *Keiyu* 4:180-183. Apr. 1964. 47.8 K26  
Poultry feed.

#### Veterinary Medicine

- 93168 ABDULLIN, M. G. Medicinal-prophylactic application of furazolidone for coccidiosis of chicks. (Rus) *Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy* 28:329-333. 1963. 41.9 R923  
French summary.
- 93169 ABE, O. The development rate of American and Japanese chicks. (Ja) *Keiyu* 2:152-156. Feb. 1964. 47.8 K26
- 93170 AINSON, H. Concerning the formation of lymph fistula through experiment in chickens and the possibility of simultaneous studies of some blood and lymph constituents. (Es) *Estonskaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov* 30:20-25. Ref. 1963. 106 Es83  
English summary.
- 93171 ALEKSEEVICH, L. A. Inheritance of inhibition reaction in oviposition with fowl. (Rus) *Leninograd. U. Vest. Ser. Biol.* 3:133-140. Ref. 1963. 442.9 L542V  
English summary.
- 93172 ANDREWS, D. K. Poultry science exhibit ideas—other; dyeing chick embryos for colored chicks. *Wash. State U. Agr. Ext. Ext. Mimeo.* 2401A, 2 p. Apr. 1964. 275.29 W27Mi



- 33173 ANGELOV, G. On the pathogenic properties of trichomonads, *Trichomonas* transmission and the clinical manifestations of trichomoniasis in hens. (Bu) Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:189-194. 1963. 41.9 So2.  
English summary.
- 93174 APPLGARTH, A., FURUTA, F., and LEPOVSKY, S. Response of the chicken pancreas to raw soybeans; morphologic responses, gross and microscopic, of the pancreases of chickens on raw and heated soybean diets. Poultry Sci. 43(3):733-739. May 1964. 47.8 Am33P
- 93175 ASAYAMA, K. Chronic respiratory disease of poultry. (Ja) Japan Poultry J. 49(3):94-98. Mar. 1964. 47.8 J27
- 93176 ASSENMACHER, I., and BAYLE, J. D. The prolactin secretion in pigeons, in response to various treatments. (Fr) Soc. de Biol. Compt. Rend. 158(2):255-259. Ref. 1964. 442.9 P21  
Effects of reserpine and chlorpromazine.
- 93177 BABUDIERI, B. Epidemiology and virology of psittacosis and ornithosis of men. (Ge) Arch. f. Expt. Vetmed. 18(1):5-18. Feb. 1964. 41.8 41.8 Ex7  
Includes infection sources in poultry.
- 93178 BAIDALIN, A. YA. Chemotherapy of coccidiosis of chicks. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:334-341. 1963. 41.9 R923  
French summary.
- 93179 BANKS, W. C., and others. The lethal effects of cobalt<sup>60</sup> on mature White Leghorn chickens (an LD 50-30 study). Sowest. Vet. 17(1):15-18. Ref. Fall 1963. 41.8 So82  
J. C. Hensley, W. F. Krueger, and S. Runnels, joint authors.
- 93180 BEER, J. The diagnosis of ornithosis with special consideration on serology. (Ge) Arch. f. Expt. Vetmed. 18(1):101-113. Ref. Feb. 1964. 41.8 Ex7  
Review of literature.  
Includes poultry.
- 93181 BERDAU, W. Ornithosis in the Greifswald district. (Ge) Arch. f. Expt. Vetmed. 18(1):211-213. Feb. 1964. 41.8 Ex7  
Poultry slaughtering and processing places.
- 93182 BETKE, P., and GRAFNER, G. Growth disturbances in poultry following vitamin B deficiency caused by Ursocin S. (Ge) Monh. f. Vetmed. 19(2):75-77. Ref. Jan. 15, 1964. 41.8 M742
- 93183 BIGGS, P. M. The avian leucosis complex. World's Poultry Sci. J. 20(2):78-91. Ref. Apr./June 1964. 47.8 W89  
Review of literature.
- 93184 BIGLAND, C. H., and YAMAMOTO, R. Reassessment of the testing programme for *Salmonella typhimurium* in turkeys. World's Poultry Sci. J. 20(2):128-129. Ref. Apr./June 1964. 27.8 W89
- 93185 BINDER, L. Ornithosis experiences in Hungary. (Ge) Arch. f. Expt. Vetmed. 18(1):183-191. Feb. 1964. 41.8 Ex7  
In poultry slaughtering and processing places.
- 93186 BIXLER, E., and LOPEZ, L. C. Preliminary studies in poultry on toxicity of grain affected by *Aspergillus flavus*. (Sp) Tec. Pecuaria en Mex. 2:27-29. July 1963. 49 T222  
English summary, p.4.
- 93187 BONDARENKO, O. I. Pathogenicity of trichomonads isolated from hens, ducks and pigeons for white mice. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:325-328. 1963. 41.9 R923  
French summary.
- 93188 BRADLEY, R. E. Germ-free turkeys may offer solution to blackhead riddle. Turkey World 39(5):18. May 1964. 47.38 T84
- 93189 BRAUNE, M. O. Standardization and application of the fluorescent antibody technique in the diagnosis of avian viral respiratory diseases. Diss. Abs. 24(12,pt.1):4914-4915. June 1964. 241.8 M58
- 93190 BRILES, W. E. Current status of blood groups in domestic birds. Z. f. Tierzucht. u. Zuchtbiol. 79(4):371-391. Ref. Feb. 1964. 442.8 Z35  
Review of literature.
- 93191 BRONSCH, K., and DIAMANTSTEIN, T. The biochemistry of eggshell formation. II. The mucopolysaccharides of the shell. (Ge) Zentbl. f. Vetmed. Reihe A, 11(4):323-332. Ref. June 1964. 41.8 Z5  
English summary.
- 93192 BRUGUERAS, V. Avian tuberculosis, current problem. (Sp) Cult. Mod. 46(10):366-367. Oct. 1963. 15 C89
- 93193 CAMARA, N. J. G. DA. Notes on the diseases of domestic animals which should be known by breeders and dealers. (Por) Gaz. do Agr. 15 (170):233-237. (Cont.) July 1963. 24 G25  
Installment deals with poultry diseases in Mozambique.
- 93194 CAPP, V., and PIVA, G. Organic reserves of vitamin A in the chick. (It) Milan. U. Cattolica del Sacro Cuore. Facol. di Agr. Ann. (n.s.) 3(3):583-592. Dec. 1963. 16 M582  
English summary.
- 93195 CARLSON, H. C., and WHENHAM, G. R. Entero-typhilitis of broiler chicks. Canad. Vet. J. 5(7):168-170. July 1964. 41.8 R3224
- 93196 CARTER, S. Practical application of CRD eradication. Canad. Poultry Rev. 87(12):41-42, 44. Dec. 1963. 47.8 C16
- 93197 CHUTE, H. L. Latest in CRD [Chronic respiratory disease] control. Canad. Grain J. 20(7):8, 25. July 1964. 59.8 C16
- 93198 CLARKSON, M. J. Immunity to histomoniasis (blackhead). Poultry Rev. 3(3):43-46. Ref. Oct. 1963. 47.8 P8699  
Review of literature.
- 93199 CLOYD, G. D. A new look at coccidiosis immunity. Poultry Tribune 70(6):42, 53. June 1964. 47.8 P8642
- 93200 COLLINS, W. M., NORDSKOG, A. W., and SKOGLUND, W. C. Repeatability of body measurements in broiler-type chickens. Poultry Sci. 43(3):759-764. Ref. May 1964. 47.8 Am33P
- 93201 COX, J. Coop positions affect bruising. Broiler Business 15(7):26-27. July 1964. 47.8 B782  
On hauling trucks.
- 93202 CRAWLEY, J. F., and GREGG, W. A. M. Tylosin injection for day old chicks in the control of CRD. Canad. Poultry Rev. 88(1):22, 24-26. Jan. 1964. 47.8 C16
- 93203 CRODEL, H. W. Clinical experiences with ornithosis in the German Democratic Republic. (Ge) Arch. f. Expt. Vetmed. 18(1):143-165. Ref. Feb. 1964. 41.8 Ex7  
Transmitted from poultry.
- 93204 DENEV, I. A study on spirochetosis among fowls. (Bu) Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:183-188. 1963. 41.9 So2  
English summary.
- 93205 DENOVSKEI, D., STOYANOV, P., and PETKOV, G. Testing the effects of tissue extracts of chick embryos on the weight gain of newly hatched chicks. (Bu) Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zoonig. Izv. 3:165-169. Ref. 1963. 41.9 B874  
German summary.
- 93206 DHALIWAL, S. S., and MAITLAND, H. B. A bacillus of the *Alcaligenes-Pseudomonas* group highly pathogenic for chick embryos. Poultry Sci. 43(3):726-733. May 1964. 47.8 Am33P  
Isolated from Rous sarcoma.
- 93207 DIAMANTSTEIN, T., BRONSCH, K., and SCHLUNS, J. Carbonic anhydrase in the marmillae of the hen's egg shell. Nature [London] 203(4940):88-89. Ref. July 4, 1964. 472 N21
- 93208 DISCUSSIONS on American poultry raising. 2. Complete disease prevention. (Ja) Keiyu 11:62-69. Nov. 1963. 47.8 K26  
Panel discussion; panel members: T. Sasaki-bara, T. Suzuki, O. Kitamura, and S. Takamatsu.

- 93209 DONALDSON, W. E. Fatty acid composition of chick embryo and egg yolk at various stages of incubation. *Poultry Sci.* 43(3):784-785. May 1964. 47.8 Am33P
- 93210 DUCATO BACKUS, J. A., and others. The aspects of metabolism in poultry with consideration of the effect of unusual atmospheric factors. (It) *Gior. Avic. Varesine. [Atti]* 3:105-112. Ref. 1962. 47.9 G43  
P. Durio, S. Maletto, C. Patrucco, R. M. Turi, F. Valfre, and G. Vocino, joint authors.  
Temperature and humidity in the poultry house.
- 93211 ELLIS, P. W. Does it pay to vaccinate? *Chicken* 35:16-17, 19-20. Nov./Dec. 1963. 47.8 B784
- 93212 FILSINGER, W. C. *Aspergillus meningo-encephalitis* of domestic turkeys. *Soeast. Vet.* 15(2):35-36. Spring 1964. 41.8 Un32  
Caused by *Aspergillus fumigatus*.
- 93213 FORENBACHER, S., and others. Investigations in fatty infiltration of the liver in fattened geese (preliminary report). *Vet. Arh.* 33(1/2):32-36. 1963. 41.8 V6416  
V. Srebocan, O. Carevic, and B. Marzan, joint authors.
- 93214 FREEMAN, B. M., and CHUBB, L. G. Effect of *Salmonella gallinarum* on certain Krebs cycle intermediates of domestic fowl. *J. Bact.* 88(1):93-95. Ref. July 1964. 448.3 J82
- 93215 FRITZSCHE, K. Future aspects of the control of ornithosis (psittacosis) in the German Federal Republic. (Ge) *Arch. f. Expt. Vetmed.* 18(1):115-122. Feb. 1964. 41.8 Ex7  
Includes turkeys and ducks.
- 93216 FRY, J. L., and ADAMS, A. W. How management affects breast blisters. *Turkey World* 38(12):18, 20. Dec. 1963. 47.38 T84
- 93217 FUJIOKA, T. Comparative and topographical anatomy of the fowl. IV. On the origins and insertions of muscles of the head and neck in the fowl. 1. Muscles of the head. (Ja) *Jap. J. Vet. Sci.* 25(4):207-226. Ref. Aug. 1963. 41.8 J27  
English summary.
- 93218 FUJITA, S. Results of a survey of performance of Japanese and American chicks. 2. (Ja) *Niwatori-no-Kenkyu* 39(2):30-33. Feb. 1964. 47.8 N64  
Viability, weight, and feeding, and discussion of American chick trade with Japan.
- 93219 FUJITA, S. A survey on the capabilities of American chicks. (Ja) *Japan Poultry J.* 49(4):36-41. Apr. 1964. 47.8 J27  
Growth and development.
- 93220 FUSSELL, M. H. Egg-borne diseases of turkeys. *Turkeys* 12(1):24-25. Jan. 1964. 47.38 T847
- 93221 FUSSELL, M. H. Respiratory diseases. *Turkeys* 12(3):47, 49, 51. Mar. 1964. 47.38 T847
- 93222 GACONGNE, J. P. The use of Haloxon for poultry. (Fr) *Soc. Vet. Prat. de France. B. Mens.* 48(3):135-138. Mar. 1964. 41.9 So12  
As anthelmintic.
- 93223 GEERAERTS, J. Field treatment of capillariasis of poultry with methyridine. (Fl) *Vlaams Diergeneesk. Tijdschr.* 33(2):33-46. Feb. 1964. 41.8 V84  
English summary.
- 93224 GEISLER, H., and KOSTERS, J. A method for the differentiation of unspecific pulorum agglutination reactions. (Ge) *Deut. Tierarztl. Wchnschr.* 71(9):234-236. Ref. May 1, 1964. 41.8 D482  
English summary.
- 93225 GLAVARINI, I. Possibilities of application of blood groups in poultry raising. (It) *Gior. Avic. Varesine. [Atti]* 2:10-20. 1962. 47.9 G43  
Includes discussion.
- 93226 GILL, B. S., MALHOTRA, M. N., and LALL, N. B. Caecal coccidiosis and its control. *Indian Livestock* 1(3):27, 39. July/Sept. 1963. 49 In23
- 93227 GIOVANELI, N. E. Newcastle disease; a study of new outbreaks. (Sp) *Rev. de Med. Vet. [Buenos Aires]* 44(6):397-400. 1963. 41.8 B86  
English summary.  
In Argentina.
- 93228 GONCHAROV, I. E., and SMIRNOV, A. P. Poultry as carriers of coccidia under various conditions of housing. (Rus) *Ptisevodstvo* 2:30-31. Feb. 1964. 47.8 P95
- 93229 GORANOV, KH., and DENOVSKI, D. The effect of infrared rays in the utilization of carotenes, and vitamin A, D, and E in the organism of chicks. (Bu) *Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zookhig. Izv.* 3:31-36. 1963. 41.9 B874  
German summary.
- 93230 GORANOV, KH. Effects of ultraviolet rays on the glucose resorption in the digestive apparatus of chicks. (Bu) *Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zookhig. Izv.* 3:37-41. Ref. 1963. 41.9 B874  
German summary.
- 93231 GREUEL, E. Amprolium, an effective coccidiostatic drug. (Ge) *Deut. Tierarztl. Wchnschr.* 71(9):229-234. Ref. May 1, 1964. 41.8 D482  
English summary.  
Poultry.
- 93232 GUALTIERI, M., and GIUSEPPE, F. DI. *Salmonella westerstede*—first appearances in poultry. (It) *Gior. Avic. Varesine. [Atti]* 3:141-145. 1962. 47.9 G43
- 93233 GURUMURTI, V., and MOHIUDDIN, G. Some observations on the coryza-syndrome in fowls in Andhra Pradesh. *Indian Vet. J.* 41(3):174-180. Mar. 1964. 41.8 In2  
Especially PPLO infection.
- 93234 GYLSTORFF, I., and KRAUSS, H. Immunisation against avian encephalomyelitis by artificial infection (a large-scale trial). (Ge) *Zentbl. f. Vetmed. Reihe B*, 11(2):161-179. Ref. May 1964. 41.8 Z52  
English summary.
- 93235 HANSON, B. S. Changes in the clinical features of some common poultry diseases. *Poultry Rev.* 4(1):3-7. Apr. 1964. 47.8 P8699
- 93236 HANSON, B. S. Disease in turkeys means economic loss. *Turkeys Year Book* 1963:35-36. 47.38 T843
- 93237 HANSON, B. S. Laboratory diagnosis and what it entails. *Turkeys* 12(1):20-21, 24. Jan. 1964. 47.38 T847  
Great Britain.
- 93238 HANSON, B. S. Some associations between disease and reproduction in turkeys. *Turkeys* 11(12):28-31. Dec. 1963. 47.38 T847
- 93239 HARING, W. Roentgenology of ornithosis-pneumonia. (Ge) *Arch. f. Expt. Vetmed.* 18(1):177-182. Feb. 1964. 41.8 Ex7  
Transmitted from ducks.
- 93240 HARPER, J. A., BERNIER, P. E., and BABCOCK, W. E. Skin melanization in the domestic turkey *Meleagris gallopavo*. *Poultry Sci.* 43(3):577-583. Ref. May 1964. 47.8 Am33P
- 93241 HART, S. A. Fowl fecal facts. *World's Poultry Sci. J.* 19(4):262-272. Ref. Oct./Dec. 1963. 47.8 W89  
Includes manures.
- 93242 HATTORI, K. On chronic respiratory disease. (Ja) *Japan Poultry J.* 49(3):38-42. Mar. 1964. 47.8 J27
- 93243 HAYASHI, I. Control of respiratory disease of poultry. (Ja) *Niwatori-no-Kenkyu* 38(3):67-71. Mar. 1963. 47.8 N64
- 93244 HAYASHI, K. A disease prevention policy for chicks prior to importation. (Ja) *Japan Poultry J.* 49(5):126-128. May 1964. 47.8 J27
- 93245 HEALD, P. J., and others. Chemical changes in nerves from birds affected by fowl paralysis. *Poultry Sci.* 43(3):701-710. Ref. May 1964. 47.8 Am33P  
H. G. Badman, B. F. Frunival, and P. A. L. Wight, joint authors.
- 93246 HERSTAD, O. At what hour do the hens lay their eggs? (No) *Tidsskr. f. Fjorfeavl* 80(12):281-282. Dec. 1963. 47.8 T432
- 93247 HILBRICH, P. Worm infestation of fowl and its control. (Ge) *Huhnerbrief* 11:8-11. 1963. 47.8 H87
- 93248 HILLE, G. Blackhead disease of turkeys and hen. (Ge) *Monh. f. Vetmed.* 19(9):339-343. May 1, 1964. 41.8 M742



- 93249 HILLE, G. Virus hepatitis of ducklings and its occurrence in the Leipzig district. 1-3. (Ge) *Monh. f. Vetmed.* 19(1):11-18; (2):67-75; (3):99-102. Ref. Jan.1-Feb.1,1964. 41.8 M742  
Includes review of literature.
- 93250 HIROSE, S. Cold prevention and the prevention of important chicken diseases. (Ja) *Niwatori-no-Kenkyu* 38(11):94-97. Nov.1963. 47.8 N64
- 93251 HIROSE, S. The latest poultry medicines and their use. (Ja) *Niwatori-no-Kenkyu* 39(1):121-123. Jan.1964. 47.8 N64  
With table of the sulfa drugs.
- 93252 HUYGELEN, C., PEETERMANS, J., and COLINET, G. The minimum immunizing titer for oral vaccines against pseudo fowl pest. (Fr) *Ann. de Med. Vet.* 108(2):101-105. Mar.1964. 41.8 An78  
English summary.
- 93253 HUYGELEN, C., and COLINET, C. Tropism of two attenuated Newcastle disease virus strains. (Fl) *Vlaams Diergeneesk. Tijdschr.* 33(1):19-24. Jan.1964. 41.8 V84  
English summary.
- 93254 IINO, M. The effectiveness of vaccinations for young chickens. (Ja) *Niwatori-no-Kenkyu* 39(4):60-63. Apr.1964. 47.8 N64
- 93255 IKEGAMI, K., YAMANAKA, K., and FUJIL, M. Injury of chickens caused by factory smoke. (Ja) *Japan. Vet. Med. Assoc. J.* 17(2):21-23. 1964. 41.9 J275
- 93256 ILIJAS, B., and DUMANOVSKY, F. A contribution to the study of the movement of the egg in the oviduct and the laying mechanism of hens. (Se) *Vet. Arh.* 33(1/2):27-31. Ref. 1963. 41.8 V6416  
English summary.
- 93257 INOUE, I., NOMOTO, S., and WATANABE, B. Studies on treatment and prevention of leucocytozoonosis in chickens with pamaquine tannate tablets. III. (Ja) *Japan Vet. Med. Assoc. J.* 17(2):29-33. 1964. 41.9 J275
- 93258 ISHIGAYA, R. Poultry leukemia. (Ja) *Niwatori-no-Kenkyu* 38(11):26-33. Nov.1963. 47.8 N64
- 93259 ISHIGURO, H. Progress in research concerning the leukosis complex. 1-3. (Ja) *Niwatori-no-Kenkyu* 39(3):118-121; (4):78-83; (5):94-99. Mar.-May 1964. 47.8 N64
- 93260 JAMISON, S. L. Some observations on-hysteria in chickens. *Poultry Tribune* 70(6):20,37. June 1964. 47.8 P8642
- 93261 JANSEN, J. Duck plague (a concise survey). *Indian Vet. J.* 41(5):309-316. Ref. May 1964. 41.8 In2
- 93262 JANSEN, J., and KUNST, H. The reported incidence of duck plague in Europe and Asia. *Tijdschr. v. Diergeneesk.* 89(11):765-769. June 1,1964. 41.8 T431
- 93263 KANARIK, U. Study on the function of the adrenal and thyroid gland of chicks in the early stages of ontogenesis in connection with periodic cooling. (Es) *Estonkaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov* 30:10-19. 1963. 106 Es83  
German summary.
- 93264 KATO, K. The damage of coryza and how to deal with it. (Ja) *Keiyu* 11:136-141. Nov.1963. 47.8 K26
- 93265 KATO, T. Survival rate and poultry raising economics. (Ja) *Niwatori-no-Kenkyu* 38(6):46-50. June 1963. 47.8 N64
- 93266 KAWAMURA, H., and others. Cytopathic effect and plaque formation of avian Mycoplasma in chicken kidney cell cultures. *Tokyo. Natl. Inst. Anim. Health. Q.* 4(1):28-30. Spring 1964. 41.9 T575Q  
S. Sato, F. Shimizu, and H. Tsubahara, joint authors.
- 93267 KAWAMURA, H., and HORIUCHI, T. Pathological changes in chickens inoculated with CELO virus. *Tokyo. Natl. Inst. Anim. Health. Q.* 4(1):31-39. Spring 1964. 41.9 T575Q
- 93268 KAWAMURA, O. Sexual maturity and egg production. (Ja) *Niwatori-no-Kenkyu* 38(6):134-135. June 1963. 47.8 N64
- 93269 KAWAUCHI, K. Progress towards prevention and cure for pullorum disease. (Ja) *Niwatori-no-Kenkyu* 39(4):74-75. Apr.1964. 47.8 N64
- 93271 KITAGAKI, N. Acid poisoning of the body fluids of poultry. (Ja) *Japan Poultry J.* 49(3):80-83,86,91-92. Mar.1964. 47.8 J27  
Includes acid condition of blood.
- 93272 KITAGAKI, N. Some thoughts on dealing with green bowel movements. (Ja) *Japan Poultry J.* 49(5):110-116. May 1964. 47.8 J27
- 93273 KLAUS, H., RUMMLER, H. J., and RUFFLE, E. Studies on viricidal properties of 3-phenylazo-2,3-diaminopyridinehydrochloride. I. Effect on Newcastle disease virus. (Ge) *Monh. f. Vetmed.* 19(11):429-434. Ref. June 1,1964. 41.8 M742  
Poultry.
- 93274 KLIMES, B. The influence of long-term application of large doses of the coccidiostatic 6-azauracil on the main economic traits of poultry. (Ge) *Berlin. u. Munch. Tierarztl. Wchnschr.* 77(11):226-227. June 1,1964. 41.8 B45  
English summary.
- 93275 KLIMES, B., NOVAK, Z., and SEVERA, K. Therapy of aspergillosis of chickens with fungicidin. *Zentbl. f. Vetmed. Reihe B*, 11(2):151-160. May 1964. 41.8 Z52
- 93276 KOECKE, H. U. Developmental physiology of birds. (Ge) *Fortschr. der Zool.* 16(3):395-468. Ref. 1963. 41.0 F77  
Includes poultry embryos.  
Review of the literature.
- 93277 KOIKE, N. On the supply of acetic acid for the prevention of diarrhea. (Ja) *Keiyu* 4:156-162. Apr.1964. 47.8 K26  
Poultry.
- 93278 KONISHI, S. Prevention of disease in chicks and young chickens. 1. (Ja) *Japan Poultry J.* 49(5):84-87. May 1964. 47.8 J27
- 93279 KONISHI, S. Prevention of parasites and the application methods for drugs. 1-2. (Ja) *Japan Poultry J.* 48(10):94-98; (11):86-88. Oct.-Nov.1963. 47.8 J27
- 93280 KRASZEWSKA-DOMANSKA, B., KOLATAJ, A., and WREBIAKOWSKI, H. Some blood indices in embryos of various poultry breeds as related to hatchability. (Pol) *Rocz. Nauk Roln.* 82-B-3:389-397. Ref. 1963. 20.5 R59  
English summary.
- 93281 KRISTA, L. M., BURGER, R. E., and WAIBEL, P. E. Comparison of blood pressure measurements by the indirect method to those by the direct method. *Poultry Sci.* 43(3):754-759. May 1964. 47.8 Am33P
- 93282 KRUSCHINSKI, L. W., and others. Comparative physiological, morphological investigation of complicated behavior forms of birds. (Ge) *Z. f. Tierpsychol.* 20(4):474-486. Ref. Oct. 1963. 41.0 Z35  
W. M. Swetuchina, L. N. Molodkina, N. P. Popowa, and W. N. Maz, joint authors.  
English summary.  
Pigeons, poultry, and wild birds.
- 93283 LAWRENCE, I. E. An experimental analysis of comb development in the chicken. *Diss. Abs.* 24(12,pt.1):5623. June 1964. 241.8 M58  
In the embryo.
- 93284 LEAO, R. L. Eimerioses. V. (Por) *Rural* 44(515):38-40. Mar.1964. 9.2 B733  
In poultry.
- 93285 LEN, R. E., ABPLANALP, H., and JOHNSON, E. A. Second year production of force molted hens in the California random sample test. *Poultry Sci.* 43(3):638-646. May 1964. 47.8 Am33P
- 93286 LEPKOVSKY, S., and others. The proteases, amylase and lipase of the intestinal contents of germfree and conventional chickens. *Poultry Sci.* 43(3):722-726. May 1964. 47.8 Am33P  
M. Wagner, F. Furuta, K. Ozone, and T. Koike, joint authors.
- 93287 LEVINA, I. G. *Vibrio enterohepatitis* of chicks. (Rus) *Veterinariya* 3:20-22. Mar. 1964. 41.8 V6426
- 93288 LOMBARDI, D. Combined, simultaneous immunization against Newcastle, fowl pox, infectious bronchitis, fowl cholera, and fowl typhoid. (It) *Gior. dei Pollicolt.* 13(9):62,64. Sept.1963. 47.8 G43

- 93289 LOMBARDI, D. Combined vaccination against pseudo fowl pest, avian diphtheria, cholera and typhus. (It) *Zooprofilassi* 19(3):129-136. Mar. 1964. 41.8 Z72  
English summary, p.153.
- 93290 LUCAS, H., and LUTHGEN, W. Investigations on the occurrence of mycoplasmosis in poultry flocks of Sudhessen. (Ge) *Deut. Tierarztl. Wchnschr.* 71(10):270-273. Ref. May 15, 1964. 41.8 D482  
English summary.
- 93291 MADDEN, D. L. Avian mycoplasmas. *Diss. Abs.* 24(12,pt.1):4920. June 1964. 241.8 M58
- 93292 MAGAKYAN, YU. A. On DNA constancy in relation to the new evidence concerning its content in isolated nuclei of embryo of Pekin and Muscovy ducks and their F<sub>1</sub>-hybrids. (Rus) *Zhur. Obshch. Biol.* 24(5):352-359. Ref. Sept./Oct. 1963. 442.8 Z6  
English summary.
- 93293 MANOUKAS, A. G., COLOVOS, N. F., and DAVIS, H. A. Losses of energy and nitrogen in drying excreta of hens. *Poultry Sci.* 43(3):547-549. May 1964. 47.8 Am33P  
To determine nutritive value of feedstuffs.
- 93294 MARKOV, G. P., and KRAVCHENKO, Z. N. Culture media for some species of *Trichomonas* of poultry. (Rus) *Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy* 28:307-311. 1963. 41.9 R923  
French summary.
- 93295 MARSH, G. A. Protection from specific diseases is not enough. *Turkey World* 39(5):30, 54-55. May 1964. 47.38 T84  
Turkey farm disease security procedures.
- 93296 MATSUI, N. Chick diseases arising around March. (Ja) *Keiyu* 3:132-140. Mar. 1964. 47.8 K26
- 93297 MATSUI, N. The prevention of diseases in chicks as seen from raising management. (Ja) *Keiyu* 5:132-140. May 1964. 47.8 K26
- 93298 MELLEEN, W. J. Thyroxine secretion rate in chicks and poults. *Poultry Sci.* 43(3):776-777. May 1964. 47.8 Am33P
- 93299 MENASCE, I. Test of the innocuity and efficacy of lyovirus vaccines against fowl pox. (It) *Gior. Avic. Varesine. [Atti]* 3:132-136. 1962. 47.9 G43
- 93300 MENENDEZ, N. A., EPSTEIN, B., and ET-CHEVERRIGARAY, E. New epizootic outbreaks of Newcastle and methods used for diagnosis and study of the virus. (Sp) *Rev. de Med. Vet. [Buenos Aires]* 44(6):433-441. Ref. 1963. 41.8 B86  
English summary.
- 93301 MICLEA, C. Some aspects of the research in the experimental embryology. (Rum) *Bucharest. Inst. Agron. Timisoara. Lucrari Sti.* 6: 197-206. Ref. 1963. 106.4 T48  
English summary.  
Chicks.
- 93302 MISRA, B., and PANDA, S. N. Observations on the significance of positive Brucella reaction in fowl sera. *Indian Vet. J.* 41(3):181-185. Mar. 1964. 41.8 In2
- 93303 MIYAMOTO, I. Poultry disease research. (Ja) *Niwatori-no-Kenkyu* 39(2):138-139. Feb. 1964. 47.8 N64
- 93304 MIYAMOTO, I. Research on poultry diseases. (Ja) *Niwatori-no-Kenkyu* 38(6):144-145. June 1963. 47.8 N64
- 93305 MOCHIDOME, H. Understanding preventive injections and vaccinations. (Ja) *Niwatori-no-Kenkyu* 39(4):31-35. Apr. 1964. 47.8 N64
- 93306 MONOV, M. Kidney coccidiosis among goslings in Bulgaria. (Bu) *Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv.* 8:231-238. 1963. 41.9 So2  
English summary.
- 93307 MONTI, G. Pseudo fowl pest-vaccination of chicks by ocularnasal methods or in the drinking water. (It) *Clin. Vet.* 87(6):161-163. June 1964. 41.8 C61  
English summary.
- 93309 NAKATANI, Y., and GOTO, J. Studies on the concentration in blood and the distribution in organs of sulfisomezole and sulfisomidine in chickens. (Ja) *Japan Vet. Med. Assoc. J.* 16(12):10-13. Ref. 1963. 41.9 J275  
English summary.
- 93309 NIKOLAEV, K. Toxicological study on *Sinapis arvensis* L. II-III. (Bu) *Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zoonkhig. Izv.* 3:91-101. 1963. 41.9 B874  
German summary.  
To poultry and sheep.
- 93310 NIKULIN, T. G. Dichlorophene for control of tapeworms. (Rus) *Ptitsevodstvo* 11:27. Nov. 1963. 47.8 P95  
Ducks and geese.
- 93311 NOEL, J. K. Tube agglutination and fluorescent antibody techniques for identification of avian pleuropneumonia-like organisms. *Diss. Abs.* 24(12,pt.1):4922. June 1964. 241.8 M58  
Poultry.
- 93312 OKABE, M. Internal and external parasites. (Ja) *Keiyu* 4:184-186, 191. Apr. 1964. 47.8 K26
- 93313 ONISHI, T. A plan for weak leg disease. (Ja) *Niwatori-no-Kenkyu* 38(7):134-138. July 1963. 47.8 N64  
Riboflavin deficiency.
- 93314 ONO, H. The growth and development of American chicks. (Ja) *Keiyu* 5:44-50. May 1964. 47.8 K26
- 93315 ORTEL, S. The ornithosis situation in the German Democratic Republic on basis of epidemiological and serological studies. (Ge) *Arch. f. Expt. Vetmed.* 18(1):89-96, map. Feb. 1964. 41.8 Ex7  
Includes transmission by poultry.
- 93316 OSTMANN, O. W., PETERSON, R. A., and RINGER, R. K. Effect of spinal cord transection and stimulation on feather release. *Poultry Sci.* 43(3):648-654. Ref. May 1964. 47.8 Am33P
- 93317 PANDE, B. P., BHATIA, B. B., and DUBEY, J. P. On the development of free-living stages of *Amidostomum skrjabini*—a pathogenic nematode in domestic duck. *Cur. Sci.* 33(9):278-279. May 5, 1964. 47.5 Sci23
- 93318 PAPPARELLA, V. On avian encephalomyelitis, which has recently appeared in Italian farms. (It) *Gior. Avic. Varesine. [Atti]* 3:52-101. Ref. 1962. 47.9 G43  
Includes discussion.
- 93319 PARKHURST, R. T. Pattern of mortality in avian nephrosis. *Poultry Sci.* 43(3):788-790. May 1964. 47.8 Am33P
- 93320 PARNAS, J. Results of present research on ornithosis. (Ge) *Arch. f. Expt. Vetmed.* 18(1): 77-87. Feb. 1964. 41.8 Ex7  
In Poland.
- 93321 PARRE, J. On the control of eimeriosis (coccidiosis) of chicks. (Es) *Estonskaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov* 30:102-113. Ref. 1963. 106 Es83  
English summary.
- 93322 PATRICK, H., and MARTIN, W. G. The influence of gamma irradiation on the weight and selenium<sup>75</sup> mineralization of the testes and spleen of chicks. *Poultry Sci.* 43(3):780-782. May 1964. 47.8 Am33P
- 93323 PERESADIN, A. V. Use of polymyxin for control of pullorum disease of chicks. (Rus) *Ptitsevodstvo* 1:34. Jan. 1964. 47.8 P95
- 93324 PETEK, M., FELLUGA, B., and ZOLETTO, R. Biological characteristics of CELO [chick embryo lethal orphan] virus. (It) *Gior. Avic. Varesine. [Atti]* 3:137-140. 1962. 47.9 G43
- 93325 PETERSON, K., PARRE, N., and PARNAKIVI, H. Differences of immunogenic traits of *Salmonella gallinarum*-pullorum strains. (Es) *Estonskaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov* 30:81-88. 1963. 106 Es83  
German summary.



- 93326 PETERSON, K., and POPOV, A. Use of gamma globulins in the control of salmonellosis of chicks. (Es) *Estoniskaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov* 30:95-101. 1963. 106 Es83  
German summary.
- 93327 PETRICA, L., and others. "B" paratyphosis of young pheasants. (Rum) *Bucharest. Inst. Agron. Timisoara. Lucrari Sti.* 6:329-338. Ref. 1963. 106.4 T48  
M. Garoiu, P. Onica, I. Contiu, and P. Nistor, joint authors.  
English summary.
- 93328 POMEROY, B. S. Comprehensive vaccination program. *Turkey World* 39(6):12,37. June 1964. 47.38 T84
- 93329 POPKHRISTOV, A. Studies on avitaminosis and hypovitaminosis conditions following nicotinic acid deficiencies of chicks in their first 20 days of life. (Bu) *Akad. Selsk. Nauk. v. Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zookhig. Izv.* 3:13-21. 1963. 41.9 B874  
German summary.
- 93330 THE PROBLEM of treatment of poultry diarrhea and the deodorant "Rikafuoda." (Ja) *Japan Poultry J.* 49(1):76-78,81-85. Jan.1964. 47.8 J27  
Panel discussion; panel members: S. Kobayashi, S. Tanaka, S. Matsubara, K. Hagiwara, Y. Okada, O. Watanabe, and N. Takahashi.
- 93331 PRUSAS, E. Report of the Geflugelsektion of the Institut und der Klinik fur Geflugelkrankheiten; a contribution to the statistic of mortality causes of poultry. (Ge) *Monh. f. Vetmed.* 19(8):300-307. Ref. Apr.15,1964. 41.8 M742  
A part of Berlin Humboldt Universitat, Veterinarmedizinische Fakultat.
- 93332 QUAGLIO, G., and TESTONI, A. Amyloidosis in the duck and in the turkey. (It) *Gior. Avic. Varesine [Atti]* 3:153-155. 1962. 47.9 G43  
English summary.
- 93333 QUAGLIO, G., and MONDINI, S. Endocarditis in the chicken and in the duck. (It) *Gior. Avic. Varesine. [Atti]* 3:155-158. 1962. 47.9 G43  
English summary.
- 93334 RAO, S. B. V., and PANDEY, A. P. Psittacosis/ornithosis—a new threat to poultry farms. *Indian Poultry Gaz.* 47(3):19-27. Oct.1963. 47.8 In22
- 93335 RASHEV, H., and POPOV, T. Studies on respiratory mycoplasmosis among turkeys in the area of the Veterinarniya Institut—Plovdiv. (Bu) *Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv.* 8:165-170. Ref. 1963. 41.9 So2  
English summary.
- 93336 RIDALA, V., KARNER, V., and VELDEMANN, L. Pathological changes in poultry infected by fowl plague. (Es) *Estoniskaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov* 30:60-68. 1963. 106 Es83  
English summary.
- 93337 RISLAKKI, V. Infectious laryngotracheitis of poultry in Finland. (Fi) *Suomen Elainlaakari-lehti* 70(5):206-209. Ref. May 1964. 41.8 F49  
English summary.
- 93338 ROMIJN, C., and LOKHORST, W. Some aspects of poultry metabolism. *Zentbl. f. Vetmed. Reihe A*, 11(4):297-314. Ref. June 1964. 41.8 Z5
- 93339 ROTT, R., and SCHOLTISSEK, C. Effect of actinomycin on multiplication of myxoviruses. (Ge) *Z. f. Natforsch.* 19b(4):316-323. Ref. Apr.1964. 474 Z3  
English summary.  
Includes fowl plague virus.
- 93340 RUDNAI, O., SOLT, K., and DOMOK, I. Ornithosis epidemic in Hungary in 1960-1962. (Ge) *Arch. f. Expt. Vetmed.* 18(1):123-125. Feb. 1964. 41.8 Ex7  
Includes transmission by poultry.
- 93341 SAFONOV, G. A., IVANOVA, G. A., and SYURIN, V. N. Comparative study of antigen properties of fowl pest and Newcastle disease virus strains. (Rus) *Veterinariya* 3:13-17. Ref. Mar.1964. 41.8 V6426
- 93342 SCHMIDT, U., and others. Studies on the ornithosis of ducks. I. (Ge) *Arch. f. Expt. Vetmed.* 18(1):33-60. Ref. Feb.1964. 41.8 Ex7  
D. Urbaneck, K. H. Pehl, and E. Benndorf, joint authors.
- 93343 SCHYNS, P. Present considerations on chronic respiratory syndromes of poultry; methods of control. 2. (Fr) *Rev. de l'Agr.* 17(4):507-514. Apr.1964. 13 R322  
Belgium.
- 93344 SEFFNER, W., and IHLENBURG, H. Infectious synovitis of hens. (Ge) *Monh. f. Vetmed.* 19(7):260-261. Ref. Apr.1,1964. 41.8 M742
- 93345 SEKI, R. Raising a large flock of poultry with little occurrence of disease. (Ja) *Keiryu* 2:140-146,151. Feb.1964. 47.8 K26
- 93346 SEKI, R. Uric acid drowsiness disease of poultry. 1-2. (Ja) *Niwatori-no-Kenkyu* 39(1):72-77; (2):140-145. Jan.-Feb.1964. 47.8 N64  
Uremia; includes vitamin A deficiency.
- 93347 SEKI, Y. The prevention of leucocytozoon disease. (Ja) *Niwatori-no-Kenkyu* 38(6):86-92. June 1963. 47.8 N64  
Poultry.
- 93348 SETTY, B. S., and KAR, A. B. The physio-kinetics of testicular recovery in the fowl after prolonged suppression by estrogen. *Indian J. Expt. Biol.* 2(2):109-111. Apr.1964. 442.8 In2  
Diethylstilbestrol.
- 93349 SIEGEL, P. B., and WASHBURN, K. W. Adjustment for body weight in the measurement of oxygen consumption. *Poultry Sci.* 43(3):782-783. May 1964. 47.8 Am33P
- 93350 SIMPSON, C. F., and HARMS, R. H. Effect of diet on aortic ruptures in turkeys induced by diethylstilbestrol. *Poultry Sci.* 43(3):681-685. Ref. May 1964. 47.8 Am33P
- 93351 SMIRNOV, A. P. Effectiveness of furacillin used in the case of coccidiosis. (Rus) *Ptitsevodstvo* 11:27-28. Nov.1963. 47.8 P95  
Chicks.
- 93352 SMITH, R. E. The utilization of the amino acids in intact proteins by the growing chick, with special reference to the effect of heating upon amino acid utilization, as measured by amino acid supplementation, biological (chick) assay of amino acids and free-amino acid patterns of blood plasma. *Diss. Abs.* 24(12,pt.1):4893-4894. June 1964. 241.8 M58
- 93353 SMIYAN, YU. P. Active and passive immunization of ducks against virus hepatitis. (Rus) *Veterinariya* 3:40-42. Mar.1964. 41.8 V6426
- 93354 SOLOV'EV, G. V. Ecological and faunal analysis of helminths of domestic poultry of Kirghizia. (Rus) *Akad. Nauk Kirgizskoi SSR. Izv. Ser. Biol. Nauk* 4(5):107-113. Ref. 1962. 442.9 Ak123
- 93355 SORENSEN, L. Y. Transmission of nutrients from hen to chick. I-III. (Da) *Slagtefjerkrae* 2(12):200-201; (13):220-221,224; (14):238-240. Ref. June 29,1963-July 31,1963. 47.8 SL1
- 93356 STEPANOV, V. A. Prophylaxis of pullorum disease in chicks. (Rus) *Ptitsevodstvo* 11:28-29. Nov.1963. 47.8 P95
- 93357 STEPKOWSKI, S., RZEDZICKI, J., and SAJCZYK, J. Detreomycine in treatment of infectious rhinitis in poultry. (Pol) *Med. Weter.* 20(6):344-345. June 1964. 41.8 M463  
A Polish formulation based on chloromycetin.
- 93358 STOICHEV, S., and others. Experiments for the production of vaccines against typhus among hens. (Bu) *Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv.* 8:177-182. 1963. 41.9 So2  
M. Krustev, I. Slavkov, and I. Sumrov, joint authors.  
English summary.
- 93359 STRATTON, C. L. Trends in turkey health. *Turkey World* 39(7):18. July 1964. 47.38 T84
- 93360 STRAUSS, J., and SERY, V. Ornithosis in Czechoslovakia; epidemiological and virological aspects. (Ge) *Arch. f. Expt. Vetmed.* 18(1):61-75, map. Ref. Feb.1964. 41.8 Ex7

- 93361 SUGIMOTO, B. Hot weather, drinking water and excreta. (Ja) Niwatori-no-Kenkyu 38(7): 30-35. July 1963. 47.8 N64  
Poultry metabolism.
- 93362 TABAKOV, B. Studies on excretion in adult hens with pullorosis. (Bu) Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:171-176. 1963. 41.9 So2  
English summary.
- 93363 TAGWERKER, F. J. The influence of the application of vitamins to the resistance of poultry to contagious diseases, parasitic infestations and other stresses. (Fr) Rev. de l'Elevage 19(6/7):779-780,783-784,787-788. June/July 1964. 49 B462
- 93364 TAKAMATSU, T. Susceptibility to the new diseases brought in. (Ja) Keiyu 5:40-43. May 1964. 47.8 K26
- 93365 TAKAMATSU, Y. The concern of veterinarians for poultry. (Ja) Niwatori-no-Kenkyu 38(7): 146-147. July 1963. 47.8 N64
- 93366 TAKAMATSU, T. Two or three contagious diseases which have lately appeared. 1. (Ja) Japan Poultry J. 49(6):70-72. June 1964. 47.8 J27
- 93367 TAKAMORI, O. Studies on experimental goiter. IV. Effect of rapeseed feeding on the thyroid and adrenal glands of chickens and rabbits. (Ja) Jap. J. Vet. Sci. 25(4):227-232. Ref. Aug. 1963. 41.8 J27  
English summary.
- 93368 TANAKA, J. Leukemia and chronic respiratory disease of poultry. (Ja) Niwatori-no-Kenkyu 38(7):70-75. July 1963. 47.8 N64
- 93369 TANAKA, Y. The new poultry raising and disease prevention. (Ja) Niwatori-no-Kenkyu 39(1):38-39. Jan.1964. 47.8 N64
- 93370 TENNYSON, L. B. 12 steps to effective vaccination. Poultry Internatl. 3(2):24,28. Apr. 1964. 47.8 P8698
- 93371 TERSKIKH, I. I. Epidemiology of ornithosis in the USSR. (Ge) Arch. f. Expt. Vetmed. 18(1): 19-29. Feb.1964. 41.8 Ex7  
Poultry.
- 93372 TESTI, F. Sphaeridiotrema globulus (Rudolphi, 1814) Odhner, 1913, in the domestic duck. (It) Gior. Avic. Varesine. [Atti] 3:159-161. 1962. 47.9 G43  
English summary.  
Intestinal fluke.
- 93373 THAMM, H. Sanitational work in ornithosis from the veterinarian standpoint. (Ge) Arch. f. Expt. Vetmed. 18(1):229-239. Ref. Feb.1964. 41.8 Ex7  
Poultry farms and slaughterhouses.
- 93374 THURZO, V., and SMIDA, J. Induction of sarcoma in ducks by the fowl tumour virus; preliminary reports. Neoplasma 10(4):445-447. Ref. 1963. 41.8 N353
- 93375 TOKUDA, M. The important character of studying the stages of development of chickens. (Ja) Niwatori-no-Kenkyu 38(12):34-37. Dec. 1963. 47.8 N64
- 93376 TOMOV, A., and NAIDENOV, N. Studies on copper sulfate poisoning of chickens. (Bu) Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zookhig. Izv. 3:117-121. 1963. 41.9 B874  
German summary.
- 93377 UNGUREANU, C., and others. Research concerning the reaction of avian Pasteurella to some antibiotics and sulfadimidine. (Rum) Rev. de Zooteh. si Med. Vet. 14(5):72-81. Ref. May 1964. 49 P943  
V. Stoescu, I. Toncea, and V. Georgescu, joint authors.  
English summary.
- 93378 VELDEMANN, L. Trematoda infestation of domestic fowl. (Es) Estonskaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov 30:128-131. 1963. 106 Es83  
German summary.
- 93379 VELICHKIN, P. A., and others. Dosage of piperazine and phenothiazine used in mixtures. (Rus) Ptitsevodstvo 3:29-30. Mar.1964. 47.8 P95  
N. A. Kireev, L. R. Tarasova, and A. I. Kosyak, joint authors.  
For treatment of ascariasis and heteraki-diasis of poultry.
- 93380 VIGUIE, J. Leukosis. (Sp) Avicult. Tec. 14(11):517-519. Nov.1963. 47.8 Av57
- 93381 VLOTEN, J. G. C. VAN. Traumatic gastritis in pigeons. (Du) Tijdschr. v. Diergeneesk. 89(10):687-694. May 15,1964. 41.8 T431  
English summary.  
Presence of foreign object in gizzard.
- 93382 VOETEN, A. C. Dipping of hatching eggs into a solution of tylosin tartrate to control chronic respiratory disease. Tijdschr. v. Diergeneesk. 89(10):701-705. May 15,1964. 41.8 T431
- 93383 VOROB'EV, S. A. Possible sources of poultry salmonellosis. (Rus) Ptitsevodstvo 2:30. Feb. 1964. 47.8 P95  
Contaminated feed.
- 93384 VOUTE, E. J., and ESSENBURG, B. H. VON DER. The hen and the punch-card. (Du) Tijdschr. v. Diergeneesk. 89(12):848-854. June 15, 1964. 41.8 T431  
English summary.  
Disease recording.
- 93385 WATANABE, M. Infectious diseases of poultry have become the most recent problem in Europe and America. (Ja) Niwatori-no-Kenkyu 39(3):122-125. Mar.1964. 47.8 N64
- 93386 WEIDENMULLER, H. On the pathogenesis of aspergillosis in one-day-old-chicks. (Ge) Deut. Tierarztl. Wchnschr. 71(9):237-238. May 1,1964. 41.8 D482  
English summary.
- 93387 WESLEY, R. L., BURTNER, R. H., and SIEGEL, H. S. The beginning of life. Va. Polytech. Inst. Agr. Ext. C. 949,12 p. Ref. May 1964. 275.29 V81C  
Chick embryos
- 93389 WILEY, J. R. Importance of medicated feed and water. Turkeys 12(1):27,29. Jan.1964. 47.38 T847  
Disease prevention.
- 93389 WILLIAMSON, J. H. Errors in sex-identification of day-old chicks when based on the type of the genital eminence. Poultry Sci. 43(3): 646-648. May 1964. 47.8 Am33P
- 93390 WOJACZEK-STEFFKE, E. The occurrences of lung tuberculosis of domestic hen. (Ge) Monh. f. Vetmed. 19(11):427-429. Ref. June 1,1964. 41.8 M742
- 93391 WOLFF, F. Ornithosis from labor sanitational aspect. (Ge) Arch. f. Expt. Vetmed. 18(1):219-227. Ref. Feb.1964. 41.8 Ex7  
Poultry slaughtering.
- 93392 WOLFORD, J. H., RINGER, R. K., and COLEMAN, T. H. Lag time, interval between successive eggs and oviposition time in the turkey. Poultry Sci. 43(3):612-615. May 1964. 47.8 Am33P
- 93393 WOLOSZYN, S., GLINSKI, Z., and SZEMBEROWA, M. Observations on colibacteriosis of hens. (Pol) Lublin. U. Marii Curie-Sklodowskiej. Ann. Sect. DD, 17:341-360. Ref. 1962, pub.1964. 512 L96Ad  
English summary.
- 93394 WOSTMANN, B. S., and OLSON, G. B. Antibody formation in germfree chickens. Ind. Acad. Sci. Proc. 72:97-102. Ref. 1962,pub.1963. 500 In2
- 93395 YAMAMOTO, K. Foreign chicks and diseases. (Ja) Keiyu 2:172-176. Feb.1964. 47.8 K26
- 93396 YANACHKOVA, D. Comparative studies on the allergic value of various synthetic tuberculin with old tuberculin. II. A study on the avian type tuberculin. (Bu) Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8: 121-126. Ref. 1963. 41.9 So2  
English summary.  
Includes cultures of Mycobacterium avium.



- 93397 YONEMURA, H. Poisoning of chickens. (Ja) Keiyu 12:154-161. Dec.1963. 47.8 K26
- 93398 ZYUBAN, V. I. Tetracycline used in the case of pasteurellosis of poultry. (Rus) Pitsevodstvo 3:30-31. Mar.1964. 47.8 P95

## Miscellaneous

- 93399 ABE, O. American and Japanese chick rearing rate compared for 120 days. (Ja) Niwatori-no-Kenkyu 38(11):50-51. Nov.1963. 47.8 N64
- 93400 ALEANDRI, M. On conditions of a sanitary environment for poultry, with particular reference to the Italian poultry situation. (It) Gior. Avic. Varesine. [Atti] 3:13-51. Ref. 1962. 47.9 G43  
Includes discussion.
- 93401 ALLCROFT, W. M. Incubation and hatchery practice. Gt. Brit. Min. Agr. Fisheries & Food. B. 148,71 p. Ref. 1964. 10 G794B
- 93402 ANDREWS, D. K. Poultry science exhibit ideas—embryology and incubation; purchase and use of incubators and hatching eggs. Wash. State U. Agr. Ext. Ext. Mimeo. 2396,1 p. Apr. 1964. 275.29 W27Mi
- 93403 BALEV, P. Vitamin A and E content and hatching result of eggs from the poultry farms of the Stara Zagora district. (Bu) Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zookhig. Izv. 3:51-54. 1963. 41.9 B874  
German summary.
- 93404 BECK, N. J., and BAKER, L. H. The effect of parent stock location on the accuracy of comparisons in a field testing program. Poultry Sci. 43(3):600-604. May 1964. 47.8 Am33P
- 93405 BECKER, W. A. Changes in performance of entries in random sample test. Poultry Sci. 43(3):716-722. Ref. May 1964. 47.8 Am33P
- 93406 BIELLIER, H., and RUSSELL, W. Missouri plan for growing market turkeys. Mo. Agr. Col. Ext. C. 799,16 p. Nov.1963. 275.29 M69C
- 93407 BONITZ, W. Broiler production in the USSR. (Ge) Tierzucht 17(10):477-480. Oct.1963. 49 T443
- 93408 CAMP, A. A. Agricultural research: South Texas Poultry Research Station. Tex. Agr. Prog. 10(3):16-17. Summer 1964. 100 T31Te  
Station No. 21 at Gonzales.
- 93409 COLLINS, W. M., NORDSKOG, A. W., and SKOGLUND, W. C. The efficiency of random sample strain comparisons of meat-type chickens. Poultry Sci. 43(3):764-775. Ref. May 1964. 47.8 Am33P
- 93410 COOK, J. Costings: the key to profits. Poultry Internatl. 3(2):22-23. Apr.1964. 47.8 P8698  
Great Britain.
- 93411 DEVOS, A. Hygiene in poultry husbandry. (Fl) Vlaams Diergeneesk. Tijdschr. 33(2):47-58. Ref. Feb.1964. 41.8 V84  
English summary.
- 93412 DOHI, K. The study of American poultry raising. 1-2. (Ja) Japan Poultry J. 49(5):40-42, 45; (6):40-42,45-46. May-June 1964. 47.8 J27
- 93413 DOHI, M. The study of American poultry raising. 1. (Ja) Keiyu 5:172-178. May 1964. 47.8 K26
- 93414 DONOVAN, G. A., and MERCIA, L. S. A challenge to poultry research; new laboratory at University of Vermont will help our state and national poultry industry to adapt to the changing times. Vt. Farm & Home Sci. 6(1):5,9. Summer 1963. 100 V593
- 93415 DUCATO BACKUS, J. A., and others. Some modifications induced by unusual climate on the chemical characteristics of poultry organs and meat. (It) Gior. Avic. Varesine. [Atti] 3:113-123. Ref. 1962. 47.9 G43  
P. Durio, S. Maletto, C. Patrucco, R. M. Turi, F. Valfre, and G. Vocino, joint authors.
- 93416 EBIZAWA, K. The dream of early spring chicks. (Ja) Japan Poultry J. 49(1):72-75. Jan.1964. 47.8 J27
- 93417 EBIZAWA, K. Various problems in poultry raising operations. (Ja) Japan Poultry J. 49(4):130-134. Apr.1964. 47.8 J27
- 93418 EDAHIRO, M. Problems and their solutions in poultry raising. (Ja) Niwatori-no-Kenkyu 39(1):28-29. Jan.1964. 47.8 N64
- 93419 EDELMAYER, H. Cleaning and disinfection in poultry husbandry. (Da) Slagtefjerkræ 2(14):240-241. July 31,1963. 47.8 SL1
- 93420 EILFORT, K. Farm rearing of chicks or additional purchasing of young hens? (Ge) Tierzucht 16(4):116-117. Feb.20,1964. 49 T445
- 93421 ELLIS, F. E. To molt or not to molt—that is the question. Canad. Poultry Rev. 87(9):9-11. Sept.1963. 47.8 C16  
An interview with Prof. John Walker.
- 93422 FELTWELL, R. Recent developments and recommendations in poultry raising. Poultry Internatl. 2(4):28,30,32-34. Oct.1963. 47.8 P8698  
Chiefly housing and feeding.
- 93423 FEREBEE, D. C. How to light for top egg production. Turkey World 38(9):12-14. Sept.1963. 47.38 T84
- 93424 FRIARS, G. W. Some aspects of our turkey research program. Canad. Poultry Rev. 88(1):58,60-61. Jan.1964. 47.8 C16  
Ontario Agricultural College Turkey Farm at Arkell.
- 93425 FUCHS, A. L. Protect your investment; start chicks properly. Poultry Internatl. 2(2):26,28. Apr.1963. 47.8 P8698
- 93426 FUGITA, S. A plan for lighting and the protection from cold. (Ja) Niwatori-no-Kenkyu 38(11):98-102. Nov.1963. 47.8 N64  
Poultry raising.
- 93427 FUNK, E. M. A new and modern poultry industry in Guatemala. World's Poultry Sci. J. 20(1):22-25. Jan./Mar.1964. 47.8 W89
- 93428 FUSSELL, M. H. The investigation of management problems in layer and broiler flocks. Poultry Rev. 3(3):47-52. Oct.1963. 47.8 P8699
- 93429 GIORNATE AVICOLE VARESINE, 1962. [Atti—Proceedings]. Varese, 1962. 3 v. Ref. 47.9 G43  
Organized by the Camera di Commercio, Industria e Agricoltura di Varese.  
Text in Italian, French, German, or English.  
I, International Meeting on Technical-Economic Problems of Poultry Raising, organized by the Societa Italiana per il Progresso della Zootechnica; II, Report presented on proceedings of the Italian Section of the World's Poultry Science Association, June 17, 1962; III, Proceedings of the First Meeting on Avian Pathology of the Societa Italiana di Patologia Aviaria, and a Colloquium on the influence of hygiene on avian economy of the International Veterinary Federation of Zootechnics, May 17, 1962.
- 93431 GLUCHOWSKI, W. Remarks on the character of winter pauses in egg laying and on the degree of its heritability in hens. (Pol) Med. Weter. 20(6):365-368. June 1964. 41.8 M463
- 93432 GRAUE, L. C. The effect of phase shifts in the day-night cycle on pigeon homing at distances of less than one mile. Ohio J. Sci. 63(5):214-217. Sept.1963. 410 Oh3
- 93433 GULLIFORD, J. H., and others. Results of final egg laying competition—first egg-to-layer test. N. S. Wales. Dept. Agr. Poultry Notes, Oct.1963:1-6. 47.9 N472  
P. N. Stevens, C. G. Davey, and J. A. Turner, joint authors.
- 93434 HARRY, E. G. Disinfection of turkey housing. Turkeys 12(1):17-18,20. Jan.1964. 47.38 T847
- 93435 HATTENHAUER, H. The problem of slat floor rearing of poultry. (Ge) Tierzucht 18(2):107-109. Ref. Feb.1964. 49 T443
- 93436 HAYASHI, I. Culling in the modernization of poultry raising. (Ja) Japan Poultry J. 49(1):62-66. Jan.1964. 47.8 J27
- 93437 HAYASHI, K. The sanitation of cage poultry houses. (Ja) Niwatori-no-Kenkyu 39(1):69-71. Jan.1964. 47.8 N64
- 93438 HENNING, D. Specialized started pullet growing. Poultry Tribune 70(6):14-15,46,48. June 1964. 47.8 P8642
- 93439 HIROSE, S. A suitable scope for raising chickens. (Ja) Niwatori-no-Kenkyu 39(5):69-74. May 1964. 47.8 N64  
Space per bird, and care.

- 93440 HISHINUMA, T. The key to a flock of a thousand chickens. (Ja) Japan Poultry J. 49(5):68-72. May 1964. 47.8 J27
- 93441 HOBBS, T. D., and ANDREWS, L. D. Results of ten years of Arkansas random sample broiler testing. Ark. Farm Res. 13(3):3. May/June 1964. 100 Ar42F
- 93442 HOWES, J. R. The effects of a wet tropical environment upon laying poultry. World's Poultry Sci. J. 20(1):8-15. Jan./Mar. 1964. 47.8 W89
- 93443 HUXLEY, J. Lorenzian ethology. Z. f. Tierpsychol. 20(4):402-409. Oct. 1963. 410 Z35  
Animal behavior including poultry.
- 93444 IMAMURA, B. The latest trends in Japanese poultry raising. (Ja) Niwatori-no-Kenkyu 39(3):112-117. Mar. 1964. 47.8 N64
- 93445 ISAGAWA, Y. Domestic and foreign techniques. (Ja) Niwatori-no-Kenkyu 38(11):134-140. Nov. 1963. 47.8 N64  
Poultry raising.
- 93446 ISAGAWA, Y. The economic importance of the egg rate. (Ja) Niwatori-no-Kenkyu 39(3):78-83. Mar. 1964. 47.8 N64
- 93447 ISODA, M. An introduction to Soviet poultry raising. (Ja) Niwatori-no-Kenkyu 39(2):58-60. Feb. 1964. 47.8 N64
- 93448 IWAMOTO, Y. The economic nature of American poultry. (Ja) Japan Poultry J. 49(5):88-92. May 1964. 47.8 J27  
Especially care.
- 93449 JENSEN, J. F. Composition of flocks for hatching eggs for broiler production. (Da) Slagtefjerkrae 2(12):202-203. June 29, 1963. 47.8 SL1
- 93450 KAKINUMA, S. Forced molting and light for nest eggs. (Ja) Keiyu 4:164-166, 171-172. Apr. 1964. 47.8 K26
- 93451 KANAHARA, I. Preventing the drop in egg production during winter. (Ja) Niwatori-no-Kenkyu 38(11):103-107. Nov. 1963. 47.8 N64
- 93452 KANEKO, J. Conditions of specialized poultry raising in Osaka. (Ja) Niwatori-no-Kenkyu 38(7):52-55. July 1963. 47.8 N64
- 93453 KARSTENS, J. Recharging the hen. Feed Age 14(6):36-37. June 1964. 389.78 F327  
Culling, planned molting, and feeding for egg production.
- 93454 KAWAMOTO, K. Poultry raising in cold areas in the spring. (Ja) Keiyu 3:186-189. Mar. 1964. 47.8 K26
- 93455 KETELAARS, E. H. Poultry advisory services in Great Britain. (Du) Veeteelt en Zuivelber. 6(11):526-529. Nov. 1963. 49 V51
- 93456 KIMURA, T. Some before and after thoughts on poultry raising. (Ja) Niwatori-no-Kenkyu 39(5):60-64. May 1964. 47.8 N64
- 93457 KITAGAKI, N. The secret of a cold prevention policy. (Ja) Japan Poultry J. 49(1):136-139. Jan. 1964. 47.8 J27
- 93458 KOMAMINE, K. Raising chicks and sanitation. (Ja) Niwatori-no-Kenkyu 39(4):36-40. Apr. 1964. 47.8 N64
- 93459 KOMATSU, E. Poultry culling. (Ja) Japan Poultry J. 48(10):124-126, 129-133. Oct. 1963. 47.8 J27
- 93460 KOMATSU, E. Various thoughts on raising chicks. 1-2. (Ja) Japan Poultry J. 48(5):94-100; (6):52-54, 57-60. May-June 1963. 47.8 J27
- 93461 KONISHI, M. The role of auditory feedback in the vocal behavior of the domestic fowl. Z. f. Tierpsychol. 20(3):349-367. Ref. Sept. 1963. 410 Z35
- 93462 KOZAWA, Y. Innovation in poultry and raising autumn chicks. (Ja) Keiyu 11:132-135. Nov. 1963. 47.8 K26
- 93463 KRASZEWSKA-DOMANSKA, B. Investigations on the correlation between the hens' initial egg-laying rate and the remaining part of their annual egg production. (Pol) Roczn. Nauk Roln. 82-B-3:375-387. Ref. 1963. 20.5 R59  
English summary.
- 93464 KUBOTA, M. The key to success in the hatchery business. (Ja) Keiyu 3:190-193. Mar. 1964. 47.8 K26
- 93465 KUBOTA, M. Raising American chicks on the farm. (Ja) Japan Poultry J. 49(1):36-39. Jan. 1964. 47.8 J27
- 93466 LANDSUDVALGET FOR FJERKRAEAVLEN. Fortegnelse over rugerier underkastet Landsudvalget for Fjerkraeavlens rugeritilsyn for aegproduktion [List of hatcheries supervised by the hatchery egg production inspection service of Landsudvalget for Fjerkraeavlens], 1963. Kobenhavn, 1963. 50 p. 47.9 D412F
- 93467 LANDSUDVALGET FOR FJERKRAEAVLEN. Fortegnelse over rugerier underkastet Landsudvalget for Fjerkraeavlens rugeritilsyn for slagtefjerkrae [List of hatcheries supervised by the broiler production inspection service of Landsudvalget for Fjerkraeavlens], 1963. Kobenhavn, 1963. 37 p. 47.9 D412Fo
- 93468 LEISTNER, W. Study of slaughter poultry on conveyor. (Ge) Monh. f. Vetmed. 19(10):390-391. May 15, 1964. 41.8 M742  
Includes proposition for obligatory poultry inspection and changes in slaughtering technology.
- 93469 LOZANO, M. J. Mexican poultry raising—giant establishments. (Sp) Agr. de las Amer. 13(3):32, 34, 36. Mar. 1964. 58.8 Ag832
- 93470 LUCKHAM, W. R. What can you expect from a layer enterprise? Canad. Poultry Rev. 88(7):17-18, 20, 22. July 1964. 47.8 C16
- 93471 MCARDLE, A. A. Deep litter. I. Indian Poultry Gaz. 47(4):20-24. Jan. 1964. 47.8 In22
- 93472 MCBRIDE, G. Social behaviour of domestic animals. II. Effect of the peck order on poultry productivity. Anim. Prod. 6(1):1-7. Ref. Feb. 1964. 49 An55
- 93473 MCCONACHIE, J. D., and PETTIT, J. H. Incubation. Ontario. Dept. Agr. P. 234, rev., 23 p. Oct. 1963. 7 On8P
- 93474 MAKINO, T. The development of a broader scope to poultry raising. (Ja) Niwatori-no-Kenkyu 39(1):32-33. Jan. 1964. 47.8 N64
- 93475 MATHEW, P. The deep-litter system has many advantages. Indian Livestock 1(3):10-11. July/Sept. 1963. 49 In23
- 93476 MATSUDA, T. Broiler raising operation. 3. (Ja) Niwatori-no-Kenkyu 38(12):114-119. Dec. 1963. 47.8 N64
- 93477 MATSUI, N. The unique situation in the Kansai district. (Ja) Niwatori-no-Kenkyu 38(12):70-74. Dec. 1963. 47.8 N64  
Poultry industry.
- 93478 MATTHEWS, B. Production techniques with smaller turkeys. Turkeys Year Book 1963:28-29. 47.38 T843
- 93479 MAY, C. Incubation and the cabinet incubator. Turkeys Year Book 1963:24-27. 47.38 T843  
For poults.
- 93480 MERRITT, E. S. Pre-incubation storage effects on subsequent performance of chickens. Brit. Poultry Sci. 5(1):67-73. Jan. 1964. 47.8 B77  
Effects upon hatchability and hatching time.
- 93481 MITCHELL, M. S. How fast can the industry move? Canad. Poultry Rev. 87(11):22, 24, 26-27. Nov. 1963. 47.8 C16
- 93482 MIYOSHI, T. Poultry raising by farmers. 1. (Ja) Japan Poultry J. 49(2):94-95. Feb. 1964. 47.8 J27
- 93483 MIYOSHI, T. Poultry raising by farmers. 2. (Ja) Japan Poultry J. 49(3):56-57. Mar. 1964. 47.8 J27
- 93484 MORRIS, R. H. Force moulting. Indian Poultry Gaz. 47(4):12-19. Jan. 1964. 47.8 In22  
Method used in India's poultry industry.
- 93485 MURAMATSU, K. Preserving Japanese poultry. 1-2. (Ja) Japan Poultry J. 49(5):134-139; (6):126-131. May-June 1964. 47.8 J27  
Poultry history of Japan.
- 93486 NAGAEDA, M. The future management of hatcheries. (Ja) Japan Poultry J. 48(10):62-65. Oct. 1963. 47.8 J27
- 93487 NAGATA, R. A production cooperative of Japanese living in Brazil for poultry raising. (Ja) Japan Poultry J. 49(6):136-137. June 1964. 47.8 J27



- 93488 NATIONAL TURKEY FEDERATION. Convention, 1964, Louisville, Kentucky. Turkey World 39(2):40,42-44,46,48,50,58-62. Feb. 1964. 57.38 T84  
Abstracts of papers.
- 93489 NUMADA, H. Is it a mistake to remove chicks from the brooder at an early date? (Ja) Japan Poultry J. 48(4):118-119. Apr.1963. 47.8 J27
- 93490 OBA, K. Problems involved in crowding poultry together. (Ja) Niwatori-no-Kenkyu 39(2):50-56. Feb.1964. 47.8 N64  
Poultry vices.
- 93491 OGASAWARA, S. Raising a flock of a thousand chickens. (Ja) Japan Poultry J. 49(5):78-79. May 1964. 47.8 J27
- 93492 OKABE, H. On the importance of environment of poultry. (Ja) Japan Poultry J. 49(2):128-130,133; (3):64,69-71. Feb.-Mar.1964. 47.8 J27
- 93493 OKAYAMA, H. How to succeed in raising poultry. 1-2. (Ja) Keiyu 4:192-196; 5:162-166,171. Apr.-May 1964. 47.8 K26
- 93494 OLIVEIRA, C. M. DE. Covered grassed yards in poultry raising. (Por) Lavoura 66:10-12,44. July/Sept.1963. 9.2 L39
- 93495 OMU, R. The proper use of disinfectants. (Ja) Niwatori-no-Kenkyu 39(4):26-30. Apr.1964. 47.8 N64  
In poultry industry.
- 93496 ONARI, K. How to decide on the scope of poultry raising. (Ja) Japan Poultry J. 48(5):50-52. May 1963. 47.8 J27  
Flock size.
- 93497 ONARI, K. Technical advances in poultry raising. 1-2. (Ja) Keiyu 2:164-166,169-171; 3:70-74. Feb.-Mar.1964. 47.8 K26
- 93498 OTAKU, T. The results of various tests on hatching. (Ja) Keiyu 3:66-69. Mar.1964. 47.8 K26
- 93499 PALLEJA FIGUEROLA, J. M. The egg of Columbus. (Sp) Avicult. Tec. 14(11):521-524. Nov.1963. 47.8 Av57
- 93500 PHELPS, A. Wire floors: the system that failed? Poultry Internatl. 3(2):48-50. Apr. 1964. 47.8 P8698
- 93501 PINGEL, H. Development of large-scale poultry farms in the Soviet Union. (Ge) Tierzucht 18(2):101-104. Feb.1964. 49 T443
- 93502 PRESTON, A. F. Turkey hatching in the U.S.A. Turkeys 12(4):20-21. Apr.1964. 47.38 T847
- 93503 RAMAPPA, B. S. A note on the management practices for laying flock under deep litter system. Indian Poultry Gaz. 47(3):13-18. Oct. 1963. 47.8 In22
- 93504 SAITO, T. The realities of egg production of American poultry in Japan. (Ja) Japan Poultry J. 49(6):24-31. June 1964. 47.8 J27
- 93505 SAITO, T. The trend toward commercialization. (Ja) Japan Poultry J. 49(3):24-26,29-31. Mar.1964. 47.8 J27  
Increasing operations in egg production.
- 93506 SANNAN, F., and HERSTAD, O. A comparison of layers in battery cage or pens. (No) Tidskr. f. Fjorfeavl 80(12):278-281. Dec.1963. 47.8 T432
- 93507 SARAIZA ORTIZ, R. Turkey raising in Great Britain. (It) Gior. dei Pollicolt. 13(9):27-28, 30,34,36,38-39. Sept.1963. 47.8 G43
- 93508 SCHAFER, H. In spite of the poultry war—there is still something in it. (Ge) Tierzuchter 16(5):158-160. Mar.5,1964. 49 T445  
Economic aspects.
- 93509 SCHWEIZERISCHER GEFLUGELZUCHTVERBAND. Jahresbericht [Annual report] 1963. Zollikofen? 1963. 60 p. 47.9 Sch9J  
Text also in French.
- 93510 SEIKI, K. Can a way be found to produce only female chicks? (Ja) Japan Poultry J. 48(10):74-78. Oct.1963. 47.8 J27
- 93511 SELSING, P. Raising of chicks—an important link in the production of eggs for hatching. (Da) Slagtefjerkræe 2(11):182-183. June 15,1963. 47.8 SL1
- 93512 SMITH, W. C. Relative economic importance of broiler traits. New Brunswick. Dept. Agr. Poultry Br. News Poultrymen, Oct.1963:2-6. 47.9 N42
- 93513 SORENSEN, L. Y. Age of eggs for hatching. (Da) Slagtefjerkræe 2(21):364-365. Nov.15, 1963. 47.8 SL1  
Effects on hatchability and growth of chicks.
- 93514 SPLITTGERBER, H. Broiler production. (Ge) Tierzuchter 16(10):366,369-370. May 20,1964. 49 T445  
English summary.
- 93515 STUBBS, E. L. Poultry keeping in Israel: a visitor's view. World's Poultry Sci. J. 19(4):288-290. Oct./Dec.1963. 47.8 W89
- 93516 SUGENO, M. The latest developments in American poultry raising. (Ja) Niwatori-no-Kenkyu 38(11):128-129. Nov.1963. 47.8 N64
- 93517 SUGIMOTO, B. A health plan during the summer heat. (Ja) Niwatori-no-Kenkyu 38(6):66-70. June 1963. 47.8 N64  
Poultry raising.
- 93518 TAHARA, I. Cutting costs. (Ja) Keiyu 2:202-206,209-211. Feb.1964. 47.8 K26  
Chick raising.
- 93519 TAKAHASHI, H. Greater production by poultry raising in the open air. (Ja) Japan Poultry J. 49(2):30-36. Feb.1964. 47.8 J27
- 93520 TANOUCHI, M. An economic investigation of egg laying ability. (Ja) Keiyu 2:20-25. Feb. 1964. 47.8 K26
- 93521 TATEISHI, S. The latest problems in raising poultry. (Ja) Niwatori-no-Kenkyu 38(7):22-25. July 1963. 47.8 N64
- 93522 TINDELL, D., and MORRIS, D. R. The effects of egg weight on subsequent broiler performance. Poultry Sci. 43(3):534-539. May 1964. 47.8 Am33P
- 93523 TODZUKA, S. An outline of the improvement and construction work in the main egg producing area. (Ja) Niwatori-no-Kenkyu 38(3):107-113. Mar.1963. 47.8 N64
- 93524 TOWER, B. A. T-D [Two-dimensional] cage system increases income. Poultry Tribune 70(8):20,36. Aug.1964. 47.8 P8642
- 93525 UBBELS, P. Poultry husbandry in Australia. (Du) (Condensed.) Veeteelt en Zuivelber. 7(1):30-43. Jan.1964. 49 V51
- 93526 VASILESCU, N. Contribution to the formulation of economic efficiency of poultry breeding in the Cirja collective farm— Iasi district. (Rum) Rev. de Zooteh. si Med. Vet. 13(11):34-43. Nov.1963. 49 P943
- 93527 VERGER, M. How to protect the laying hen from heat. (Fr) Rev. de l'Elevage 19(6/7):791, 793-794,797. June/July 1964. 49 B462
- 93528 WALKER, J. P. Handling the pullet change-over time. Canad. Poultry Rev. 87(11):11-12. Nov.1963. 47.8 C16
- 93529 WILKINS, S. J., and MCDONALD, M. W. Official report on Fourth Random Sample Broiler Test, 1963. N. S. Wales. Dept. Agr. Poultry Notes, Jan.1964,16 p. 47.9 N72
- 93530 THE WINTER drop in [egg] production of young chickens and a summary of culling operations. (Ja) Keiyu 11:164-166,171-173. Nov.1963. 47.8 K26
- 93531 WOODARD, A. Research pegs time of lay. Turkey World 38(12):12,24. Dec.1963. 47.38 T84
- 93532 YAMADA, S. My personal opinion on the relationship between chicks and temperature. (Ja) Japan Poultry J. 49(1):94-97. Jan.1964. 47.8 J27
- 93533 YAMAMOTO, K. Raising chicks in a cold area. (Ja) Japan Poultry J. 48(4):120-122. Apr. 1963. 47.8 J27

## RABBITS

### Breeds and Breeding

- 93534 ANGHI, CS. The Angora rabbit. (Hu) Buvar 8(4):221-222,map. Ref. July/Aug.1963. 410 B98  
History.

- 93535 APPLGATE, F. R. Your rabbit publicity. Amer. Small Stock Farmer 48(5/6):4-5. Feb./Mar.1964. 48.8 J82  
On breeding.
- 93536 VIEIRA, M. I. How to start raising rabbits and the problems of bucks. (Por) Rural 44(513):30-31. Jan.1964. 9.2 B733
- Feeds and Feeding
- 93537 MOORE, J. H., and WILLIAMS, D. L. The effect of diet on the level of plasma cholesterol and the degree of atheromatous degeneration in the rabbit. Brit. J. Nutr. 18(2):253-273. Ref. 1964. 389.8 B773
- 93538 PACS, I. Nutritional value of waste as feed. (Hu) Baromfitenyesztes 8(6):28. June 1964. 47.8 B262  
Rabbit nutrition.
- 93539 RADAKOVIC, O. A new equipment for feeding rabbits with pellets. (Ge) Z. f. Verstierk. 3(5/6):133-135. 1963. 410 Z36  
English summary.
- 93540 WOZNICA, J. Examination of the rabbit's quality as a laboratory animal for mass determination of digestion coefficients of simple and compound food rations. (Pol) Roczn. Nauk Roln. 82-B-3:483-505. Ref. 1963. 20.5 R59  
English summary.
- Veterinary Medicine
- 93541 CASADY, R. B., MIZE, K. E., and SUITOR, A. E. Enteritis and growth in rabbits as affected by water intake. Amer. Small Stock Farmer 48(1):3,5. Oct.1963. 48.8 J82
- 93542 ERKOL, M., and KONUK, T. The hematological examinations in rabbits. (Tu) Ankara U. Vet. Fakul. Dergisi 10(2):143-157. Ref. 1963. 41.9 An4D  
English summary, p. 156.
- 93543 FARRELL, M. J., and CAMOUGIS, G. Mechanical events of in vivo rabbit and cat spleen. Amer. J. Physiol. 206(6):1275-1278. Ref. June 1964. 447.8 Am3
- 93544 HERRMANN, H. J. Pathology and pathogenesis of mucor mycosis of rabbits. (Ge) Z. f. Verstierk. 4(1/2):57-67. Ref. 1964. 410 Z36  
English summary.
- 93545 KAS'YAN, G. G. Treatment of pasteurellosis of rabbits with synthomycin. (Rus) Krolikovodstvo i Zverovodstvo 4:25. Apr.1964. 40.28 K91
- 93546 KOSTARZ, T. Influence of the growth hormone (STH), adrenocorticotrophic hormone (ACTH), cortisone (K) and dehydrocortisone (HK) on the level of white blood corpuscles, blood sugar, amino nitrogen, total nitrogen and protein fractions of the rabbit serum. (Pol) Lublin. U. Marii Curie-Sklodowskiej. Ann. Sect. DD, 17:121-149. Ref. 1962, pub.1964. 512 L96Ad  
English summary.
- 93547 LAKRA, P., SINGH, S. P., and SHRIVASTAVA, V. K. Some observations on the implantation of Setaria digitata (V. Linstow, 1906) in rabbits: migration of the adult worms into the urinary bladder. Indian Vet. J. 41(3):199-201. Mar. 1964. 41.8 In2
- 93548 LEAO, R. L. Eimerioses. IV. (Por) Rural 44(514):8-9. Feb.1964. 9.2 B733  
Rabbits.
- 93549 MOK, C. C., and COMMON, R. H. Antigenicity of phosvitin. Poultry Sci. 43(3):549-553. Ref. May 1964. 47.8 Am33P  
In rabbits.
- 93550 NAKAHARA, T. Neurosecretion and anterior pituitary cells. VII. Correlation between neurosecretion and cytological changes in the anterior hypophysis following the act of coitus in rabbits. (Ja) Jap. J. Zootech. Sci. 34(6):409-417. Ref. Dec.1963. 49 N62  
English summary.
- 93551 OTT, N. The effect of sodium cyanide on the chemoreceptors of the glomus caroticum region. (Ge) Z. f. Biol. 114(1):59-80. Ref. Sept. 1963. 442.8 Z3  
English summary.  
Effects on respiration of rabbits and cats.
- 93552 PETERSON, K., and PARRE, J. On some blood serum data of rabbits when immunized with the Salmonella gallinarum-pullorum. (Es) Eston-skaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov 30:89-94. 1963. 106 Es83  
English summary.
- 93553 PROTO, V. Digestibility in rabbits and sheep. II. Egyptian clover. (It) Prod. Anim. 2(3):255-263. Sept.1963. 49 P945  
English summary.
- 93554 ROTHENBACHER, H., MUGERA, G., and TUFTS, S. Stomach worm disease, hypodermal myiasis and intestinal coccidiosis in a rabbit colony. M. S. U. Vet. 24(3):134-136. Spring 1964. 41.8 M582  
Caused by Obeliscoides cuniculi and Cuterebra larvae.
- 93555 STANSKI, F., and KOSTARZ, T. Influence of aqueous extract of inflammatory-necrotic tissue on some blood constituents. Lublin. U. Marii Curie-Sklodowskiej. Ann. Sect. DD, 17:99-120. Ref. 1962, pub.1964. 512 L96Ad  
Rabbits.
- 93556 STOLYAROVA, L. A. Prophylaxis of gastrointestinal diseases of rabbits. (Rus) Krolikovodstvo i Zverovodstvo 4:31-32. Apr.1964. 40.28 K91
- 93557 TABAKOV, B., STAMATOV, T., and URUCHEV, K. Staphylococcosis among rabbits. (Bu) Akad. Selsk. Nauk. Bulg. Vet. Inst. Zrazni Parazitarn. Bolesti. Izv. 8:225-229. 1963. 41.9 So2  
English summary.  
Caused by Staphylococcus aureus.
- 93558 WADA, H., and YUHARA, M. Experimental production of relaxin in female rabbits. (Ja) Jap. J. Zootech. Sci. 34(5):311-315. Oct.1963. 49 N62  
English summary.
- 93559 WADA, H., and YUHARA, M. Experimental production of relaxin in male rabbits. Jap. J. Zootech. Sci. 34(5):316-318. Oct.1963. 49 N62
- 93560 WALLEY, R. E. Receptive fields in the accessory optic system of the rabbit. Diss. Abs. 24(12,pt.1):5507. June 1964. 241.8 M58
- Miscellaneous
- 93561 ALTIMIRA RAVENTOS, C. Commercial rabbit raising. (Sp) Cult. Mod. 46(10):363-364. Oct. 1963. 15 C88
- 93562 HERGOTT, J. Contribution to the housing and feeding of laboratory animals, especially rabbits. (Ge) Z. f. Verstierk. 3(1/2):34-40. 1963. 410 Z36  
English summary.  
New type of cages.
- 93563 INGERSOLL, J. M. The Australian rabbit. Amer. Sci. 52(2):265-273, map. Ref. June 1964. 470 Si2
- 93564 MEISTER, G., and SCHINDLER, R. A new type of cage for rearing rabbits and guinea pigs. (Ge) Z. f. Verstierk. 3(1/2):21-26. 1963. 410 Z36
- 93565 ORBANYI, I. Foreign experiences with broiler rabbits. (Hu) Baromfitenyesztes 8(6):30. June 1964. 47.8 B262
- 93566 VARENNE, H., RIVE, M., and VEIGNEAU, P. Guide de l'eleveage du lapin; rentabilite, medecine [Guide to rabbit raising; profits, medical work]. Paris, Maloine, 1963. 408 p. 40.2 V42
- SHEEP AND GOATS
- Breeds and Breeding
- 93567 ALTENKIRCH, W. The German Mutton Merino sheep in Bulgaria. (Ge) Tierzucht 17(11):519-522. Nov.1963. 49 T443



- 93568 BONELLI, P. Main determination of the progeny test in rams of a dairy race (experimental contribution). (It) Riv. di Zootec. 36(12):741-747. Dec.1963. 49 R52
- 93569 BORLAND, R. The chromosomes of domestic sheep. J. Hered. 55(2):61-64. Ref. Mar./Apr. 1964. 442.8 Am3
- 93570 CALISLAR, T. Comparative study on liver of the Karaman sheep and Angora goat. (Tu) Ankara U. Vet. Fakul. Dergisi 10(2):170-179. 1963. 41.9 An4D  
English summary.
- 93571 CHEVIOT SHEEP SOCIETY. Cheviot sheep flock book, vol. 73. Hawick, 1964. 21 p. 45.9 C42C
- 93572 DAVIES, H. L. Studies on time of lambing in relation to stocking rate in south Western Australia. Austral. Soc. Anim. Prod. Proc. 4:113-120. 1962. 49.9 Au72
- 93573 DORSET DOWN SHEEP BREEDERS' ASSOCIATION. The Dorset Down flock book, volume LVI. Dorchester, 1964. 85 p. 45.9 D733
- 93574 DUN, R. B., and HAYWARD, L. T. The comparative production performance of South Australian and Peppin Merino ewes. Austral. Soc. Anim. Prod. Proc. 4:178-184. 1962. 49.9 Au72  
Especially wool production.
- 93575 FEDERATION NATIONALE OVINE. Colloquium; the future of sheep breeding in view of the evolution of techniques. (Fr) Patre 111:2-3,5,7-13,15,17,19,21,23-25. Feb.1964. 45.8 P272
- 93576 FEREDean, T., and BRAGARU, F. Contribution to study of dilution methods for preserving ram's sperm. (Rum) Rev. de Zooteh. si Med. Vet. 14(2):53-58. Feb.1964. 49 P943
- 93577 FOWLER, D. G. The effect of changes in the daily photoperiod on the semen characteristics of the Merino ram. Austral. Soc. Anim. Prod. Proc. 4:58-62. 1962. 49.9 Au72
- 93578 GJEDREM, T. Planning the breeding work with sheep. 1. (No) Norsk Landbr. 12:14-15, 23. June 12,1964. 11 N8122
- 93579 GREKHOV, F. A. Results of breeding work on creation of meat-semi-fine-wooled sheep in Liski District. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:175-179. 1963. 20 M857  
Proposed official name=Meat-Wool Lustre.
- 93590 HAJDERI, S., and PRIFTI, S. Use of stimulator rams (through vasectomy) to fight sterility and speed up the rate of improvement of the sheep breed. (Al) B. i Shkencave Bujqesore 3 (1):141-167. Ref. 1964. 21.5 B87  
English summary.
- 93581 JALIHAI, M. R. Russian sheep in Kashmir. Indian Livestock 1(3):22-23. July/Sept.1963. 49 In23  
Stavropol Merinos.
- 93582 JEFFRIES, B. C. Face cover and fertility. Austral. Soc. Anim. Prod. Proc. 4:55-57. 1962. 49.9 Au72
- 93583 MACFARLANE, W. V. Merino sheep as desert animals. United Nations Educ. Sci. & Cult. Organ. Arid Zone Res. 24:259-265, map. Ref. 1964. 278.9 Un3  
Includes discussion.
- 93584 MINOCCHERI, F., MUSCARELLA, A., and CHIOFALO, L. Physico-chemical characteristics of hemoglobin pertaining to pure-bred group of goats of the Agrigento breed. (It) Zootec. e Vita 6(1):22-35. Ref. Jan./Mar.1963. 49 Z73
- 93585 MORU, M., and others. The perfection of Transylvanian Merino. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:281-288. 1963. 106.4 T48  
E. Neumann, I. Vines, D. Ignatescu, I. Coposu, A. Nita, S. Berecz, and A. Haber, joint authors.  
English summary.
- 93586 NAWARA, W. Increasing the breeding and utilization value of sheep. (Pol) Przegl. Hodowlany 31(2/3):19-22. Feb./Mar.1963. 49 P952  
By selective breeding.
- 93587 O'BRIEN, C., SZABUNIEWICZ, M., and SORENSEN, A. M. Simplified method for semen collection from rams and billies. Sowest. Vet. 17(1):32-33. Fall 1963. 41.8 So82
- 93588 PATTIE, W. A., ARMSTRONG, F. J., and GODLEE, A. C. The influence of the poll gene and castration on lamb growth. Austral. Soc. Anim. Prod. Proc. 4:175-177. 1962. 49.9 Au72
- 93589 PIGLOSIWICZ, S. Breeding programs in flocks of ZHZZ [Zjednoczenie Hodowli Zwierzat Zarodowych]. (Pol) Przegl. Hodowlany 32,i.e. 31(11):23-26. Nov.1963. 49 P952
- 93590 RAMAMURTI, A. Performance of cross-bred progeny of Nilgiri ewes with exotic rams. Indian Vet. J. 41(3):201-205. Mar.1964. 41.8 In2  
New Zealand Romney Marsh rams used.
- 93591 RICORDEAU, G. The improvement of goat breeding in France and its problems. (Ge) Tierzuchter 16(4):133-134. Feb.20,1964. 49 T445
- 93592 SMITH, I. D. Reproduction in Merino sheep in tropical Australia. Austral. Vet. J. 40(4):156-160. Ref. Apr.1964. 41.8 Au72
- 93593 SOCIETY OF BORDER LEICESTER SHEEP BREEDERS. The flock book of Border Leicester sheep, volume LXVI. Perth, 1964. 452 p. 45.9 So1
- 93594 SUFFOLK SHEEP SOCIETY. The flock book of Suffolk sheep, volume XLVIII. Ipswich, 1964. 374 p. 45.9 Su2
- 93595 TAGARI, V. Study of the structure of the skin in the crossbreeds F1 native sheep x Cigaja concerning the fineness of fleece. (Al) B. i Shkencave Bujqesore 2(4):151-168. Ref. 1963. 21.5 B87  
English summary.
- 93596 TEODORU, V. Aspects of Karakul sheep breeding in the Uzbek SSR. (Rum) Rev. de Zooteh. si Med. Vet. 14(2):92-94. Feb.1964. 49 P943
- 93597 TOCHETTI, F. E. Artificial insemination of sheep. (Sp) Agr. de las Amer. 13(4):14-15,60-61; (5):52-53,58. Apr.-May 1964. 58.8 Ag832
- 93598 WASSMUTH, R. Fertility and breeding selection result in sheep breeding. (Ge) Tierzuchter 16(2):42-43. Jan.20,1964. 49 T445
- 93599 WILLIAMS, A. J., and DUN, R. B. A sampling technique for ranking hogget rams on wool production. Austral. Soc. Anim. Prod. Proc. 4:49-52. 1962. 49.9 Au72  
By shearing.
- 93600 YALCIN, B. C., and BICHARD, M. Crossbred sheep production. I-II. Anim. Prod. 6(1):73-90. Ref. Feb.1964. 49 An55  
I, Factors affecting production from the crossbred ewe flock; II, The repeatability of performance and the scope for culling.  
In Great Britain.

#### Feeds and Feeding

- 93601 ALLDEN, W. G., and JENNINGS, A. C. Dietary supplements to sheep grazing mature herbage in relation to herbage intake. Austral. Soc. Anim. Prod. Proc. 4:145-153. Ref. 1962. 49.9 Au72
- 93602 ALLDEN, W. G. Rate of herbage intake and grazing time in relation to herbage availability. Austral. Soc. Anim. Prod. Proc. 4:163-166. 1962. 49.9 Au72  
Concerns sheep.
- 93603 ARMSTRONG, D. G. Evaluation of artificially dried grass as a source of energy for sheep. II. The energy value of cocksfoot, timothy and two strains of rye-grass at varying stages of maturity. J. Agr. Sci. [London] 62(3):399-416. Ref. June 1964. 10 J822
- 93604 ARMSTRONG, D. G., BLAXTER, K. L., and WAITE, R. The evaluation of artificially dried grass as a source of energy for sheep. III. The prediction of nutritive value from chemical and biological measurements. J. Agr. Sci. [London] 62(3):417-424. June 1964. 10 J822

- 93605 ARNOLD, G. W., and BUSH, I. G. The effects of stocking rate and grazing management on fat lamb production. *Austral. Soc. Anim. Prod. Proc.* 4:121-129. 1962. 49.9 Au72
- 93606 BARNES, R. F. The in vitro and in vivo evaluation of selected reed canarygrass clones differing in palatability. *Diss. Abs.* 24(12,pt.1): 4887. June 1964. 241.8 M58  
Palatability to sheep.
- 93607 BIGOTTE, J. Corn in sheep nutrition. (Fr) *Mouton* 19(3):27-28. Mar.1964. 45.8 M86
- 93608 BROADBENT, P. J. The use of grazing control for intensive fat-lamb production. III. The influence of systems of grazing, severity of grazing and stocking rates. *Brit. Grassland Soc. J.* 19(2):218-223. June 1964. 60.19 B773
- 93609 DAVIES, H. L. Intake studies in sheep involving high fluid intake. *Austral. Soc. Anim. Prod. Proc.* 4:167-171. 1962. 49.9 Au72
- 93610 DOLLING, C. H. S., and CARPENTER, M. T. Water consumption at pasture of [Peppin] Merino sheep selected for high wool production. *Austral. Soc. Anim. Prod. Proc.* 4:172-174. 1962. 49.9 Au72
- 93611 GARRIGUS, U. S., and others. Pinch-hitting for protein; urea and alfalfa meal, with DES implants, can cut \$20 a ton from the costs of protein supplement for sheep and cattle. III. *Res.* 6(3):6-7. Summer 1964. 100 IL64  
M. R. Karr, E. E. Hatfield, and H. W. Norton, joint authors.
- 93612 GEYTENBEEK, P. E., GOODE, J. R., and SCHULLER, W. J. Age at weaning—its effect on growth and production of young Merino sheep. *Austral. Soc. Anim. Prod. Proc.* 4:130-137. Ref. 1962. 49.9 Au72  
Wool production.
- 93613 HALL, J. L., and others. Effects of feeding and implanting diethylstilbestrol on characteristics of the meat from lamb carcasses. *Food Technol.* 18(6):96-98. June 1964. 389.8 F7398  
D. L. Harrison, B. D. Westerman, L. L. Anderson, D. L. Mackintosh, and T. D. Bell, joint authors.
- 93614 HOLDER, J. M. Supplementary feeding of grazing sheep—its effect on pasture intake. *Austral. Soc. Anim. Prod. Proc.* 4:154-159. 1962. 49.9 Au72
- 93615 JEFFERIES, B. C., and DREAYER, R. W. Grazing management systems in fat lamb production. *Austral. Soc. Anim. Prod. Proc.* 4: 109-112. 1962. 49.9 Au72
- 93616 KNAPP, F. V. Better wool quality and quantity on the farm. *Farmers' & Sci. Joint Conf. Cereals & Wool*, 5th Conf.:54-55. 1963. 27 F22C  
Sheep feeding and breeding.
- 93617 LARGE, R. V., and SPEDDING, C. R. W. The growth of lambs at pasture. II. Further studies of growth on 'long' and 'short' ryegrass swards. *Brit. Grassland Soc. J.* 19(2):255-262. June 1964. 60.19 B773
- 93618 MOORE, R. W. Comparison of two techniques for the estimation of the milk intake of lambs at pasture. *Austral. Soc. Anim. Prod. Proc.* 4: 66-68. 1962. 49.9 Au72
- 93619 MOULE, G. R. Field trials in retrospect: flushing. *Austral. Soc. Anim. Prod. Proc.* 4: 195-200. Ref. 1962. 49.9 Au72  
For ewes.
- 93620 SHEPHERD, J. H. Utilization of dry summer pastures and cereal stubbles. *Farmers' & Sci. Joint Conf. Cereals & Wool*, 5th Conf.:49-53. 1963. 27 F22C  
Sheep feeding in Australia.  
Includes discussion.
- 93621 SKERMAN, K. D. Observations on selenium deficiency of lambs in Victoria. *Austral. Soc. Anim. Prod. Proc.* 4:22-27. 1962. 49.9 Au72
- 93622 TAKAHASHI, N., KASUKAWA, T., and NOZAKI, Y. Effect of grass extract on rumen digestion. I. Effect of clover extract on activities of rumen microorganisms. (Ja) *Jap. J. Zootech. Sci.* 34(6):380-386. Ref. Dec.1963. 49 N62  
English summary.  
Sheep and goats studied.
- 93623 TOPPS, J. H., and ELLIOTT, R. C. Volatile fatty acids in the rumen of African sheep given a variety of low-protein diets. *Anim. Prod.* 6 (1):91-96. Feb.1964. 49 An55  
Feed formulas.
- 93624 WAITE, R., JOHNSTON, M. J., and ARMSTRONG, D. G. The evaluation of artificially dried grass as a source of energy for sheep. I. The effect of stage of maturity on the apparent digestibility of rye-grass, cocksfoot and timothy. *J. Agr. Sci. [London]* 62(3):391-398. Ref. June 1964. 10 J822
- 93625 WILSON, A. D. The effect of the moisture content of diets on the parotid secretion of sheep. *Austral. Soc. Anim. Prod. Proc.* 4:53-54. 1962. 49.9 Au72  
On fresh and dried pasture.

#### Veterinary Medicine

- 93626 ABOU AKKADA, A. R., and EL-SHAZLY, K. Effect of absence of ciliate protozoa from the rumen on microbial activity and growth of lambs. *Appl. Microbiol.* 12(4):384-390. Ref. July 1964. 448.3 Ap5
- 93627 AUCLAIR, M. Contribution a l'etude de l'influence de l'etat humoral sur la motricite gastrique chez les petits ruminants [Contribution to the study of the effect of humoral condition on gastric movements in small ruminants]. *Alfort. Ecole Natl. Vet. These* 72,55 p. Ref. 1962. 41.2 AL23  
Sheep rumen.
- 93628 BABKIN, A. F. Dynamics of serological changes in experimental listeriosis of sheep. (Rus) *Veterinariya* 3:18-20. Mar.1964. 41.8 V6426
- 93629 BINNS, W., JAMES, L. F., and SHUPE, J. L. Congenital malformations in lambs reproduced by feeding a poisonous range plant. *Sowest. Vet.* 17(3):221-224. Spring 1964. 41.8 So82  
*Veratrum californicum*.
- 93630 BONOMI, A., WIESNER, G., and PELATI, L. Influence of treatment with thyreostatic compounds of sheep contaminated with iodine 131 on the radioactivity of the milk produced (preliminary tests). (It) *Latte* 37(6):496-502. Ref. June 1964. 44.8 L35  
English summary.  
Methylthiouracil and sodium iodide.
- 93631 CAMARGO, W. V. DE A., LEE, H. J., and DEWEY, D. W. The suitability of some copper preparations for parenteral copper therapy in sheep. *Austral. Soc. Anim. Prod. Proc.* 4:12-17. 1962. 49.9 Au72
- 93632 CHARTON, A., and others. Variations, on pasture, of the content of phosphorus, calcium, and magnesium in the serum and of their ratios, in lactating ewes. (Fr) *Rec. de Med. Vet.* 140(5): 363-373. May 1964. 41.8 R24  
P. Faye, A. Hervy, C. Bernard, and M. Gueslin, joint authors.  
English summary.
- 93633 CHILEV, D., and MILANOV, M. Studies on enterotoxemias in necrotic hepatitis among sheep in the district of Burgas. (Bu) *Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv.* 8:153-158. Ref. 1963. 41.9 So2  
English summary.
- 93634 COOK, B. R. Causes of wasting in adult sheep. *New Zeal. Vet. J.* 12(1):17. Feb.1964. 41.8 N483  
Diseases; includes post-mortem findings.
- 93635 CRESSWELL, E., and others. Some effects of "partial" castration compared with full castration on lamb growth and on the development of male characteristics. *Vet. Rec.* 76(24):646-650. June 13,1964. 41.8 V641  
R. W. Ash, A. W. Boyne, and J. C. Gill, joint authors.
- 93636 CREVEAUX-BOURGAT, J., and BOST, J. Variations of the hepatic lipids and of cholesteroemia in the sheep exposed to cold. (Fr) *Soc. de Biol. Compt. Rend.* 158(2):317-319. 1964. 442.9 P21



- 93637 CROFTON, H. D. Nematode parasite population in sheep and on pasture. Commonwealth Bur. Helminthol. Tech. Commun. 35,104 p. Ref. 1963. 436.9 C73
- 93638 DAS, D. N., MOHANTY, G. C., and MOHA-PATRA, S. C. Lumbar paralysis in goats—a case record. Indian Vet. J. 41(3):227-233. Ref. Mar.1964. 41.8 In2
- 93639 DAVIS, R. H. A reliable lead for electrocardiography of the goat. Sowest. Vet. 17(3):200-201. Spring 1964. 41.8 So82
- 93640 DOBSON, C. Host endocrine interactions with nematode infections. I. Effects of sex, gonadectomy, and thyroidectomy on experimental infections in lambs. Expt. Parasitol. 15(3):200-212. Ref. June 1964. 436.8 Ex7  
Oesophagostomum columbianum and Haemonchus contortus.
- 93641 DODBIBA, A. Researches about the antihelminthic effect of the water solutions of iodine and norsulfazole on the sheep dictyocaulosis. (Al) B. i Shencave Bujesore 2(4):169-175. 1963. 21.5 B87  
English summary.
- 93642 DODD, D. C., and CORDES, D. O. Spinal abscess and cord compression syndrome in lambs. New Zeal. Vet. J. 12(1):1-5. Feb.1964. 41.8 N483
- 93643 DOLLING, C. H. S., and BROOKER, M. G. Cryptorchism in Australian Merino sheep. Nature [London] 203(4940):49-50. July 4,1964. 472 N21
- 93644 DOMANSKI, A. An attempt to determine the relationship between the onset of estrus in sheep and the date of shearing. (Pol) Roczn. Nauk Roln. 82-B-3:599-607. Ref. 1963. 20.5 R59  
English summary.
- 93645 DUL'NEV, V. I. The effect of some pharmacological materials on secretory and ferment excretory function of small intestines of sheep. (Rus) Veterinariya 3:59-61. Mar.1964. 41.8 V6426
- 93646 DUN, R. B., and WALL, T. A. Neonatal lamb mortality in flocks of Merino ewes selected for and against [skin] fold development. Austral. Soc. Anim. Prod. Proc. 4:187-189. 1962. 49.9 Au72
- 93647 D'YAKONOV, L. P., and others. Study of therapeutic effect of some preparations in the case of anaplasmosis of sheep under individual farm conditions. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:229-237. 1963. 41.9 R923  
I. M. Ganiev, W. S. Lu, and O. S. Omarov, joint authors.  
French summary.
- 93648 EL'TSAW, N. S. The effect of cobalt and manganese salt on secretory function and chemical composition of sheep's saliva. (Be) Minsk. Belaruskaya Navuk. Vestsi. Ser. Biyal. Navuk 4:67-73. Ref. 1963. 442.8 M66  
Russian summary.
- 93649 EVERITT, G. C. On the assessment of body composition in live sheep and cattle. Austral. Soc. Anim. Prod. Proc. 4:79-89. 1962. 49.9 Au72  
Especially fatness.
- 93650 FALCONER, I. R., and HETZEL, B. S. Effect of emotional stress and TSH on thyroid vein hormone level in sheep with exteriorized thyroids. Endocrinology 75(1):42-48. Ref. July 1964. 448.8 En2
- 93651 GEYTENBEEK, P. E. A survey of post-shearing losses. Austral. Soc. Anim. Prod. Proc. 4:185-186. 1962. 49.9 Au72  
Importance of weather conditions and care in sheep mortality.
- 93652 GLUHOVSCHI, N., and others. Research concerning toxoplasmosis identification and toxoplasmic abortion in the sheep of Banat. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:311-318. 1963. 106.4 T48  
M. Elias, M. Puca-Ciudin, P. Costin, and M. Nafornta, joint authors.  
English summary.
- 93653 GRAHAM, N. M. Measurement of the heat production of sheep: the influence of training and of a tranquilizing drug. Austral. Soc. Anim. Prod. Proc. 4:138-144. 1962. 49.9 Au72  
Energy metabolism.
- 93654 HARTLEY, W. J. Experimental transmission of toxoplasmosis in ewes showing high and low dye test titres. New Zeal. Vet. J. 12(1):6-8. Feb.1964. 41.8 N483
- 93655 IIZUKA, M., SHIMBAYASHI, K., and MIYAO, N. Volatile fatty acids as precursors of milk constituents in the lactating goat. Tokyo. Natl. Inst. Anim. Health. Q. 4(1):51-59. Ref. Spring 1964. 41.9 T575Q  
Radioactive tracers used.
- 93656 IMAM, Z. E., and LABIB, B. A. Goats as possible reservoir for typhus. Arab Vet. Med. Assoc. J. 23(1):5-10. Jan./Mar.1963. 41.9 Ar1
- 93657 JONES, G. A., MACLEOD, R. A., and BLACKWOOD, A. C. Ureolytic rumen bacteria. I-II. Canad. J. Microbiol. 10(3):371-387. Ref. June 1964. 448.8 C162  
Urease activity of rumen flora from urea-fed sheep.
- 93658 KAARDE, J. Sodium selenite as prophylactic agent in white muscle disease of lambs. (Es) Estonskaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov 30:132-136. 1963. 106 Es83  
German summary.
- 93659 KALINOWSKA, C. Changes in the wool of Merino sheep in relation to their sexual cycle. (Pol) Roczn. Nauk Roln. 82-B-3:609-628. Ref. 1963. 20.5 R59  
English summary.
- 93660 KARCHER, D. Approche biochimique d'une carence spontanee en cuivre chez l'agneau [Biochemical approach to a spontaneous deficiency of copper in the lamb]. Soc. Roy. de Zool. d'Anvers. B. 24,145 p. 1962. 410.9 So193  
Causing swayback.
- 93661 KOCHANOWSKI, A. Liver flukes and the long drought of 1963. (Pol) Nowe Roln. 12(20):49. Oct.16/31,1963. 20.5 N86  
Sheep.
- 93662 KRESS, F., and STOCKL, W. Calcium, phosphorus, copper and iron content in serum of healthy and in sarcoptic mange (Sarcoptes rupicaprae) infected goats. (Ge) Wien. Tierarztl. Monschr. 51(4):260-265. Apr.1964. 41.8 T345  
English summary.
- 93663 KRUSTEV, M. Studies on necrotic hepatitis among sheep in the area of the Stara Zagora Institut. (Bu) Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:159-164. 1963. 41.9 So2  
English summary.
- 93664 KUCHEL, R. E., and STEPHEN, V. A. The construction and use of a rumino-electromagnet for sheep. Austral. Soc. Anim. Prod. Proc. 4:28-31. 1962. 49.9 Au72  
For removal of foreign bodies.
- 93665 KURNOSOV, K. M. Changes in the intrauterine development and viability of animals under the influence of pathological and anatomical changes of foetal membranes. (Rus) Zhur. Obshch. Biol. 24(5):387-391. Ref. Sept./Oct. 1963. 442.8 Z6  
English summary.  
Sheep.
- 93666 LANG, D. R., and LAMOND, D. R. Possible use of ovariectomized ewes for assay of pasture oestrogens by the vaginal smear (Allen-Doisy) method. Austral. Soc. Anim. Prod. Proc. 4:63-65. 1962. 49.9 Au72
- 93667 L'ESTRANGE, J. L., and AXFORD, R. F. E. A study of magnesium and calcium metabolism in lactating ewes fed a semi-purified diet low in magnesium. J. Agr. Sci. [London] 62(3):353-368. Ref. June 1964. 10 J822
- 93668 L'ESTRANGE, J. L., and AXFORD, R. F. E. A study of serum mineral changes in lactating Welsh Mountain ewes under different grazing conditions with special reference to hypomagnesaemia. J. Agr. Sci. [London] 62(3):341-351. Ref. June 1964. 10 J822

- 93669 LIPECKA, C. Studies on blood groups in sheep. (Pol) Roczn. Nauk Roln. 82-B-3:629-643. Ref. 1963. 20.5 R59  
English summary.
- 93670 MACPHERSON, A., BROWN, N. A., and HEMINGWAY, R. G. The relationship between the concentration of copper in the blood and livers of sheep. Vet. Rec. 76(24):643-645. June 13, 1964. 41.8 V641
- 93671 MILLAR, K. R., and ANDREWS, E. D. A method of preparing and detecting radioactive cobaltic oxide pellets and an assessment of their retention by sheep. New Zeal. Vet. J. 12(1):9-12. Feb. 1964. 41.8 N483
- 93672 O'HALLORAN, M. W. The effect of oxalate on bacteria isolated from the rumen. Austral. Soc. Anim. Prod. Proc. 4:18-21. 1962. 49.9 Au72  
Sheep.
- 93673 PLOMMET, M., and LE GALL, A. Staphylococcal mastitis in ewes. IV. Local vaccination. (Fr) Inst. Pasteur. Ann. 105(3):535-543. Sept. 1963. 448.3 An75  
English summary.
- 93674 PODGORNYYI, V. R. New preparations for control of monieziasis of sheep. (Rus) Ovtsevodstvo 4:32-33. Apr. 1964. 45.8 Ov72
- 93675 QUINLIVAN, T. D. Survey of factors involved in lamb losses. New Zeal. Meat Prod. 8(2):40, 43. Nov. 1, 1963. 50.8 N48  
Abortion and mortality of newborn.
- 93676 RAO, P. R., CHRISTOPHER, J., and SASTRY, G. A. Cholangiocellular carcinoma in an ewe. Indian Vet. J. 41(3):197-199. Ref. Mar. 1964. 41.8 In2  
In the liver.
- 93677 RIBE, O. Internal parasites of small livestock. (No) Sau og Geit 16(6):143-144. Dec. 1963. 45.8 Sa8  
Sheep and goat.
- 93678 RYAN, F. B. Eradication of ovine brucellosis. Austral. Vet. J. 40(4):162-165. Apr. 1964. 41.8 Au7
- 93679 SANTOS, V. T. D. Sanitary problems of sheep in Rio Grande do Sul. (Por) Dipan 15(130):33-54. Ref. 1963. 41.9 R473  
Chiefly parasites.
- 93680 SHARAPOV, V. M. Control of trichophytosis in Karakul sheep. (Rus) Veterinariya 3:38-40. Mar. 1964. 41.8 V6426
- 93681 SHINOZAKI, K. Experimental studies on the causes of acute bloat. VII. Eructation reflex and its depression mechanism in acute bloat. (Ja) Jap. J. Vet. Sci. 25(4):233-241. Ref. Aug. 1963. 41.8 J27  
English summary.  
Sheep studied.
- 93682 SHIVNANI, H. A. Enterotoxaemia—a sneaky scourge of sheep. Indian Livestock 1(3):37-38. July/Sept. 1963. 49 In23
- 93683 SIMMS, R. H. Effects of diethylstilbestrol on growth rate, carcass quality and gonad development of lambs. Diss. Abs. 24(12,pt.1):5506. June 1964. 241.8 M58
- 93684 STEPANOVA, N. I., D'YAKONOV, L. P., and KAZAKOV, N. A. Complement fixation test in the case of anaplasmosis of sheep. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:219-222. 1963. 41.9 R923  
French summary.
- 93685 STOIMENOV, K. Secondary coenurosis. (Bu) Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:221-224. 1963. 41.9 So2  
English summary.
- 93686 SZABUNIEWICZ, M., and others. Clinical signs and physiological observations in the goat following fractionated gamma radiation. Sowest. Vet. 17(4):305-314. Ref. Summer 1964. 41.8 So82  
E. W. Hupp, R. H. Davis, and S. O. Brown, joint authors.  
Review of literature.
- 93687 THOMAS, P. L. Bayer S.940 (0,0-diethyl-0-naphthal-oximido-phosphate): an anthelmintic for sheep. New Zeal. Vet. J. 12(1):20. Feb. 1964. 41.8 N483  
Followed by article on toxicity of this anthelmintic, by B. F. Smith and P. L. Thomas, p. 21.
- 93688 THORNTON, R. H. An examination of ergot in relation to ryegrass staggers. New Zeal. Vet. J. 12(1):13-16. Feb. 1964. 41.8 N483  
Presence of Claviceps purpurea on ryegrass; toxicity to sheep.
- 93689 TOROSYAN, S. Effective preparation for treatment of pneumonia in lambs. (Rus) Ovtsevodstvo 6:33. June 1964. 45.8 Ov72  
Combination of penicillin and ASD preparation.
- 93690 VAVAKO, D. Researches on the specific immunoprophylaxis of the sheep paratyphoid fever; application of live vaccine. (Al) B. i Shkencave Bujqesore 3(1):122-139. Ref. 1964. 21.5 B87  
English summary.
- 93691 VERCOE, J. M. Some observations on the nitrogen and energy losses in the faeces and urine of grazing sheep. Austral. Soc. Anim. Prod. Proc. 4:160-162. 1962. 49.9 Au72
- 93692 VIL'CHEK, M., and DAVYDOV, N. Early post slaughtering diagnosis of anthrax of sheep. (Rus) Myasnaya Indus. SSSR 1:40-41. 1964. 50.8 M58
- 93693 VOLKOVA, A. A., and GALIEV, R. S. Data on epizootiology of necrobacillosis of sheep in Kirghizia. (Rus) Akad. Nauk Kirgizskoi SSR. Izv. Ser. Biol. Nauk 4(5):27-43. Ref. 1962. 442.9 Ak123
- 93694 VOLKOVA, A. A., and GALIEV, R. S. Isolation of pure cultures of Bacterium [i.e. Sphaerophorus] necrophorum by bacteriological method. (Rus) Akad. Nauk Kirgizskoi SSR. Izv. Ser. Biol. Nauk 4(5):45-52. 1962. 442.9 Ak123  
From sheep sick with necrobacillosis.
- 93695 WALKER, D. M., and FAICHNEY, C. J. Nitrogen balance studies with the milk-fed lamb. 1-2. Brit. J. Nutr. 18(2):187-207. Ref. 1964. 389.8 B773
- 93696 WALKER, D. M., and FAICHNEY, C. J. Nutritional diarrhoea in the milk-fed lamb and its relation to the intake of sugar. Brit. J. Nutr. 18(2):209-215. Ref. 1964. 389.8 B773
- 93697 WILSON, A. D. Parotid saliva and rumen digestion in the sheep. Brit. J. Nutr. 18(2):163-172. Ref. 1964. 389.8 B773
- 93698 WISLINSKI, M. Foetal haemoglobin in lambs, studied in experiments with exchange transfusion. (Pol) Lublin. U. Marii Curie Sklodowskiej. Ann. Sect. DD, 17:77-97. Ref. 1962, pub. 1964. 512 L96Ad  
English summary.
- 93699 YOSHIDA, J., and NAKAMURA, R. Studies on the toxicity of urea and its control. VII. Effect of pH of rumen contents of ammonia absorption. (Ja) Jap. J. Zootech. Sci. 34(4):275-281. Ref. Sept. 1963. 49 N62  
English summary.  
Goat rumen studied.
- 93700 YOSHIDA, J. Studies on the toxicity of urea and its control. VIII. Influence of pH on ammonia absorption from the rumen. (Ja) Jap. J. Zootech. Sci. 34(5):328-335. Oct. 1963. 49 N62  
English summary.  
Goat studied.

#### Miscellaneous

- 93701 BENNETT, J. W., HUTCHINSON, J. C. D., and WODZICKA-TOMASZEWSKA, M. Climate and wool growth. Austral. Soc. Anim. Prod. Proc. 4:32-33. 1962. 49.9 Au72
- 93702 BEREK, MRS. G. Determination of density of fleece based on different methods. (Hu) Allattenyesztes 13(1):43-50. Ref. Mar. 1964. 49 AL57  
English summary.



- 93703 CLARKE, H. G. Commercial sheep management. London, Lockwood, 1963. 140 p. 45 C553C
- 93704 DRUMMOND, J. Sheep raising for beginners. Mont. State Col. Ext. B. 324, 19 p. Ref. Apr. 1963. 275.29 M76C  
For 4-H Clubs.
- 93705 EFNER, T. Slaughter value of wethers of Polish longwool type. (Pol) Roczn. Nauk Roln. 82-B-3:645-656. Ref. 1963. 20.5 R59  
English summary.
- 93706 GEZELIUS, L. Among Dalarna's sheep flocks, fall 1963. (Sw) Lantbrtidskr. f. Dalarna 77(1): 20-22. 1964. 11 L29  
Records and testing.
- 93707 GILMAN, R. A. An objective look at our sheep business. Stockman Mag. 30(6):5-7. June 1963. 49 Ar4
- 93708 HUTCHINSON, K. J. Climate corrections to the seasonal wool growth rhythm of sheep grazing in a southern Australian environment. Austral. Soc. Anim. Prod. Proc. 4:34-37. 1962. 49.9 Au72
- 93709 KARGL, Prospects and future tasks in our sheep breeding. (Ge) Tierzuchter 16(5):160-162. Mar.5, 1964. 49 T445  
Industry.
- 93710 KASHIN, A. S., and ASHIKHIM, A. V. Prevention of wool eating by lambs and sheep. (Rus) Veterinariya 3:62. Mar.1964. 41.8 V6426  
With ichthyol.
- 93711 KONIG, N., MAIER, R., and MIHUT, L. Aspects of economic efficiency of high quality wool sheep raising in the collective farms. Manastireni in Cluj region. (Rum) Rev. de Zooteh. si Med. Vet. 13(10):30-36. Oct.1963. 49 P943
- 93712 QUARTERMAIN, A. R. Heat tolerance in Southern Rhodesian sheep fed on a maintenance diet. J. Agr. Sci. [London] 62(3):333-339. Ref. June 1964. 10 J822  
Rhodesian indigenous and Blackhead Persian breeds.
- 93713 RYDER, M. L. Preliminary observations on seasonal changes in the fleeces of unshorn Merino sheep. Austral. Soc. Anim. Prod. Proc. 4:46-48. 1962. 49.9 Au72
- 93714 SCHINCKEL, P. G., and MOULE, G. R. Some principles of field experiments with sheep. Austral. Soc. Anim. Prod. Proc. 4:190-194. 1962. 49.9 Au72
- 93715 TORTORELLI, N. Mutton production in Italy. (It) Riv. di Zooteh. 36(9):488-499. Sept.1963. 49 R52
- 93716 VICARIA SILVA, L. E. Technical exploitation of the dairy goat. (Sp) Rev. Nac. de Agr. 703: 47-49. Nov.1963. 9.4 R32
- 93717 WILLIAMS, O. B., and SCHINCKEL, P. G. Seasonal variations in wool growth and live-weight in several environments. Austral. Soc. Anim. Prod. Proc. 4:38-45. Ref. 1962. 49.9 Au72  
Effect of climate and feeding.
- SWINE
- Breeds and Breeding
- 93718 APPELGREN, K. L. Can our swine be improved by crossing with Belgian Pietrain? (Ge) Tierzucht 17(10):466-467. Oct.1963. 49 T443
- 93719 BECZE, J. Bases and possibilities for increasing fertility of swine. (Hu) Magyar Mezogazdasag 19(20):18-19. May 13, 1964. 19 M27
- 93720 DAVIDSON, H. R. Historical; some new views on the origins of saddleback pigs. Anim. Health 2(1):10-14. Mar.1964. 41.8 An52  
Includes Siena Belted, Caserta, and British Wessex Saddleback.
- 93721 GLIGOR, V. Industrial crossbreeding in pigs and its importance at the present stage in our country. (Rum) Rev. de Zooteh. si Med. Vet. 14(5):22-33. May 1964. 49 P943  
English summary.
- 93722 GLODEK, P. Breeding of a German meat type swine under the influence of Dutch Improved Landrace pig. (Ge) Z. f. Tierzucht. u. Zuchtbio. 79(4):328-355. Ref. Feb.1964. 442.8 Z35  
English summary.
- 93723 HENLEY, D. Less fat or more lean. Doane's 27(5):26-27. Feb.8, 1964. 281.8 D652  
Swine breeding and feeding.
- 93724 HOFMANN, F., KONIG, I., and TSCHINKEL, I. Breeding role of artificial insemination of swine. (Ge) Tierzucht 18(5):251-254. May 1964. 49 T443
- 93725 HOFMANN, F., and PETER, W. Possibilities for the application of ultrasonics in bacon fat thickness measurement in the selection for meat swine breeding. (Ge) Arch. f. Tierzucht 7(3):255-287. Ref. 1964. 49 Ar23  
English summary.
- 93726 JASKOWSKI, L. Present state of swine insemination. (Pol) Przegl. Hodowlany 32,i.e.31(11): 29-32. Nov.1963. 49 P952
- 93727 JOHNS, S. H. Whither the saddleback? Pig Breeders' Gaz. 117:38-39. Apr.1964. 46.8 N21  
Especially Essex and Wessex Saddleback breeds.
- 93728 JOLLANS, J. L. Breeding better pigs. I. Shortening the odds. Pig Farming 12(6):28-29, 31. June 1964. 46.8 P623
- 93729 JOLLANS, J. L. Breeding better pigs. 2. What merits selection? Pig Farming 12(7):24-25, 28. July 1964. 46.8 P623
- 93730 KORTAN, L. J. On-the-farm swine selection. S. Dak. State Col. Agr. Ext. C. 629,9 p. Apr.1964. 275.29 So85
- 93731 KROES, Y. Breeding technique aspects in relation to artificial insemination of swine. (Ge) Tierzuchter 16(5):168,171. Mar.5, 1964. 49 T445  
Netherlands.
- 93732 KUDRYAVTSEV, P. N., KOZINER, A. B., and LEBEDEV, YU. V. Commercial and experimental crossing between Large White, bacon type races and Swedish Landrace pigs. I. (Ge) Arch. f. Tierzucht 7(1):87-113. 1964. 49 Ar23  
English summary.
- 93733 KUDRYAVTSEV, P. N., KOZINER, A. B., and LEBEDEV, YU. V. Utility and rotational crossing between Large White, fat type races and Swedish Landrace. 2. (Ge) Arch. f. Tierzucht 7(2):119-133. 1964. 49 Ar23  
English summary.
- 93734 LAN, C. S. Why shall we use selective breeding to improve Ting-hsien swine? (Ch) Nongye Jishu 11:40-42. Nov.1963. 22.5 N929
- 93735 LANDSUDVALGET FOR SVINEAVLENS LEDELSE. 24. Register over orner af dansk landrace 1963 af Rs. P. Jeppesen [24th register of boars of Danish Landrace, 1963, by Rs. P. Jeppesen]. Roskilde, 1963. 46 p. 46.9 L23
- 93736 LEESCH, H. L. Contributions to linebreeding of swine. (Ge) Tierzucht 18(2):90. Feb.1964. 49 T443
- 93737 LOUNAMAA, P. Inherited weaknesses and inbreeding. (Sw) Svinet 54:9-11. Dec.1963. 46.8 Sv32  
Swine.
- 93738 MIYAJIMA, M. On breeding (mating) swine. (Ja) Keiyu 12:198-202, 207-209. Dec.1963. 47.8 K26
- 93739 MIYAJIMA, M. The registration and improvement of swine. (Ja) Keiyu 4:204-206, 209-215. Apr.1964. 47.8 K26
- 93740 NATIONAL PIG BREEDERS' ASSOCIATION. N.P.B.A. annual general meeting, Wednesday, 6th May, 1964. Pig Breeders' Gaz. 118:42-43. July 1964. 46.8 N21  
Great Britain.
- 93741 NYHAN, J. F. A comparison of results obtained with artificial insemination and natural mating in a pig-breeding herd. Vet. Rec. 76 (24):656-658. June 13, 1964. 41.8 V641
- 93742 OERS, J. P. J. S. VAN. Influence of boars on litter size. (Du) Veeteelt en Zuivelber. 7(3): 119-125. Mar.1964. 49 V51

- 93743 OWEN, I. The selective direction of swine culture in France. (It) *Allevatore* 20(7):4. Feb.16,1964. 49 AL55
- 93744 QUADRI, G. The Large White breed of swine in France. (It) *Riv. di Zootec.* 36(10):576-582. Oct.1963. 49 R52
- 93745 RETA, G., and BERRUECOS, J. M. Obtaining coefficients of consanguinity and relation in animals. (Sp) *Tec. Pecuaria en Mex.* 2:20-22. July 1963. 49 T222  
English summary, p.4.  
Swine.
- 93746 RITZE, W. The importance of special holdings for breeding baby pigs for the improvement of our sow stands. (Ge) *Wiss.-Tech. Fortschr. f. die Landwirt.* 4(12):549-550. Dec.1963. 18 W763
- 93747 ROF CODINA, J. The Large White swine in Belgium and France. (Sp) *Cult. Mod.* 47(4):140-142. Apr.1964. 15 C89
- 93748 ROF CODINA, J. The Large White swine in the Netherlands and Germany. (Sp) *Cult. Mod.* 47(5):168-170. May 1964. 15 C89
- 93749 SCHOBL, C. Practical breeding work in swine breeding and its results in two socialist large farms in the USSR. (Ge) *Tierzucht* 17(11):514-519. (Cont.) Nov.1963. 49 T443
- 93750 SCHUMM, H. R., and FREDERICH, W. Principles of building up and reproduction of efficient sow stands with special reference to line breeding. (Ge) *Wiss.-Tech. Fortschr. f. die Landwirt.* 4(12):538-540. Dec.1963. 18 W763
- 93751 SILER, R. The effectiveness of swine interbreeding. (Rus) *Mezhdunarod. Sel'skokhoz. Zhur.* 2:75-79. 1964. 20 M57  
Effect on meat production in Czech swine.
- 93752 STROM, B. Baby pigs class A-1. (Sw) *Svin-skotsel* 54(2):44. 1964. 46.9 Sv2  
Chiefly breeding.
- 93753 SUGGETT, R. H. Pig testing in Norway. *Pig Farming* 12(4):77. Apr.1964. 46.8 P623  
Breeding.
- 93754 THOMSEN, R. N., and PEDERSEN, O. K. Problems of the Danish swine breeding. (Ge) *Tierzuchter* 15(24):889-893. Dec.20,1963. 49 T445
- 93755 WECKOWICZ, E., KUPPER, A., and WYPYCH, W. Comparison of slaughter quality of swine of Large White and Lop-eared breeds. (Pol) *Przegl. Hodowlany* 31(1):16-18. Jan.1963. 49 P952
- 93756 WILLEMS, A. E. R. Swine breeding in Belgium with special consideration on Pietrain swine. (Ge) *Tierzuchter* 15(23):856-858. Dec.5,1963. 49 T445
- 93757 ZALEWSKI, W. Evaluation of slaughter value of pigs with primitive characteristics. (Pol) *Rocz. Nauk Roln.* 82-B-3:529-549. Ref. 1963. 20.5 R59  
English summary.
- Feeds and Feeding
- 93758 AHERNE, F. X., and MCALEESE, D. M. Evaluation of tick beans (*Vicia faba* L.) as a protein supplement in pig feeding. *Roy. Dublin. Soc. Sci. Proc. Ser. B*, 1(2):113-121. Ref. Apr.24, 1964. 401 D85Sc
- 93759 ASTRUP, H. Grain varieties and pork quality. (No) *Tidsskr. f. det Norske Landbr.* 71(5):118-121. 1964. 11 T433
- 93760 BECKER, D. E., and others. Balanced rations for swine. (Sp) *Tierra [Mexico]* 19(1):38,81. (Cont.) Jan.1964. 8 T445
- 93761 BECKER, D. E., and others. Balanced swine rations. (Sp) *Tierra [Mexico]* 18(12):940,977. (Cont.) Dec.1963. 8 T445
- 93762 BECKER, M. Nutrient requirement and protein supply of young fattening swine. (Ge) *Tierzuchter* 16(4):109-110. Feb.20,1964. 49 T445
- 93763 BIHALY, A. Data on the effect of stopping of antibacterial food-supplementation in the third phase of swine fattening. (Hu) *Allattenyesztes* 13(1):39-42. Ref. Mar.1964. 49 AL57  
English summary.
- 93764 BREIREM, K. Early weaning of baby pigs. (No) *Buskap og Avdratt* 15(3):137,139. 1963. 49 B96  
Review.
- 93765 CSIRE, L. Feeding of fattening swine and slaughter quality. (Hu) *Buvar* 9(2):82-85. Mar./Apr.1964. 410 B98
- 93766 CSOKA, S. Economic and biological effects of swine pasturing. (Hu) *Magyar Mezogazdasag* 19(19):20. May 6,1964. 19 M27
- 93767 GMELIN, S. Sow and piglet feeding in the production rings. (Ge) *Unser Milchvieh* 16(4):10-12; (5):11-12. Apr.-May 1964. 43.8 Un7
- 93768 GRACHEV, N. K. Digestibility of feed, nitrogen metabolism and composition of swine carcasses of various maturity. (Rus) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok.* 90:169-174. 1963. 20 M857
- 93769 GREENWOOD-BARTON, L. H., and others. The importance of the amino-acid content of feeding-stuffs in East Africa. I. The amino-acid content of eleven East African feeding-stuffs. *East African Agr. & Forestry J.* 29(3):237-242. Jan.1964. 24 Ea74  
B. H. Barnes, T. P. A. Mellon, and W. J. A. Payne, joint authors.  
Swine.
- 93770 GRIFFIN, S. A., and LIDVALL, E. R. Soybean oil meal as a protein supplement for swine. *Tenn. Farm & Home Sci. Prog. Rpt.* 50:2-3. Apr./June 1964. 100 T25F
- 93771 GRUHN, K., RUBACH, G., and KRACHT, W. Studies on the use of machine leather scraps used for glue making in feeding of fattening swine. (Ge) *Arch. f. Tierzucht* 7(2):135-153. Ref. 1964. 49 Ar23  
English summary.
- 93772 GUPTA, S., and MOULICK, S. K. Pigs too need proper feeds. *Indian Livestock* 1(3):14-16,35. July/Sept.1963. 49 In23  
Includes different feeds used.
- 93773 HAISMA, S. New type of feed for breeding sows. (Du) *Doelmatige Veehouderij* 12(5):90-94. Nov.1963. 49 D67
- 93774 HOGLEY, B. Taking the "bugs" out of early weaning. *Pig Farming* 12(6):32-33. June 1964. 46.8 P623
- 93775 JAHN, S. Efficient feeding of swine. (Ge) *Wiss.-Tech. Fortschr. f. die Landwirt.* 4(12):569-570. Dec.1963. 18 W763
- 93776 KAIRIS, A. S., and RYADCHIKOV, V. G. Effect of various value and level of protein nutrition on nitrogen metabolism of fattened swine. (Rus) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok.* 90:113-119. 1963. 20 M857
- 93777 KAIRIS, A. S. Protein requirements of meat-type swine in the case of intensified fattening. (Rus) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok.* 90:105-112. 1963. 20 M857  
Includes formulas.
- 93778 KERTESZ, F., and BEREK, G. A study on compensating capacity of Cornwall fattening pigs. (Hu) *Allattenyesztes* 13(1):25-37. Mar.1964. 49 AL57  
English summary.  
Protein nutrition of swine, chiefly.
- 93779 LAURIDSEN, L. Protein mixtures for fattening pigs. (Da) *Landbonyt* 18(1):9-11. Jan.1964. 11 L2322
- 93780 LEAT, W. M. F. Serum phospholipids of pigs given different amounts of linoleic acid. 1-2. *Biochem. J.* 91(3):437-447. Ref. June 1964. 382 B52
- 93781 LUCAS, I. A. M. Feeding pigs. London, Pig Indus. Devlpmt. Authority, 1963. 22 p. 389.7 L964
- 93782 MAKHACHEV, R. S. To the problem of additional feeding of suckling piglets. (Rus) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok.* 90:266-269. 1963. 20 M857



- 93783 MALMQVIST, O. Results of floor feeding of pigs. (Sw) Lantmannen 75(7):178-179. Feb.15, 1964. 11 L234
- 93784 MENTLER, L. Preparation and feeding of alfalfa mash. (Hu) Magyar Mezogazdasag 19(12):16-17. May 20, 1964. 19 M27 Swine.
- 93785 MICELI, E. Fattening of swine in Sicily. (It) Allevatore 19(49):3. Dec.8, 1963. 49 AL55
- 93786 MIYAJIMA, M. The feeding of swine raised for meat. (Ja) Keiyu 11:202-204, 207-211. Nov. 1963. 47.8 K26
- 93787 NAGORNYI, N. D. Silage corn paste is a good swine feed. (Rus) Kolkhoz.-Sovkhoz. Proizvodstvo Turkmenistana 11:25-26. Nov. 1963. 20 Se4982
- 93788 NAGY, L. Rate of turnover of swine herds on feeding and the coordination of plants for meat production. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:33-35. 1964. 20 M57 USSR bloc.
- 93789 NIELSEN, E. R. Production of baby pigs. (Da) Dansk Landbr. 83(6):181-184. June 1964. 280.29 V91  
Chiefly on the feeding of sows and baby pigs.
- 93790 O'BRIEN, J. D. P. The vitamin is vital. Pig Farming 12(2):47. Feb. 1964. 46.8 P623 Vitamin A.
- 93791 OBRITZHAUSER, W., and STEINWENDER, R. Baby pig raising research with bog water. (Ge) Bodenkultur 15(1):77-82. Mar. 1964. 19 B635 English summary.
- 93792 OHLSSON, N. E., and NILSSON, N. E. Is it efficient to feed pigs on the floor? (Sw) Lantmannen 75(4):100-102. Jan. 25, 1964. 11 L234
- 93793 PEO, E. R. The pig starter—an engraved calling card. Feed Age 14(7):30-34. Ref. July 1964. 389.78 F327
- 93794 PHELPS, A. Less meal more length. Pig Farming 12(2):30-31. Feb. 1964. 46.8 P623
- 93795 POND, W. G. Research indicates no nutritional advantage of high-moisture corn for growing-finishing swine. N. Y. State Col. Agr. (Cornell U.) Ext. Cornell Feed Serv. 58:3-4. June 1964. 275.29 N48Cf
- 93796 POZNANSKI, W., KOTLINSKI, J., and KORNIEWICZ, A. Access to runs, forest soil and oxytetracycline in feeding young pigs. (Pol) Przegl. Hodowlany 31(2/3):34-37. Feb./Mar. 1963. 49 P952
- 93797 RACZAK, K. Large scale swine fattening in the German Democratic Republic. (Pol) Przegl. Hodowlany 31(2/3):13-16. Feb./Mar. 1963. 49 P952
- 93798 ROBINSON, D. W., MORGAN, J. T., and LEWIS, D. Protein and energy nutrition of the bacon pig. I. The effect of varying protein and energy levels in the diets of "growing" pigs. J. Agr. Sci. [London] 62(3):369-376. Ref. June 1964. 10 J822  
Large White breed in Great Britain.
- 93799 ROSSUM, C. P. VAN. Feeding and care of swine in Denmark. (Du) Veetelt en Zuivelber. 6(9):370-377. Sept. 1963. 49 V51
- 93900 RYADCHIKOV, V. G. Lysine requirements of fattened swine. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:120-126. 1963. 20 M857
- 93801 RYS, R. Efficacy of using various synthetic feed supplements in feeding swine and poultry. (Pol) Nowe Roln. 13(2):34-36. Jan. 16/31, 1964. 20.5 N86
- 93802 SAINSBURY, D. W. B. Feeding dry and in-pig sows individually produces larger litters—fair do's for all. Pig Farming 12(4):49-51. Apr. 1964. 46.8 P623
- 93803 SPAENDONCK, R. L. VAN, and VANSCHOUBROEK, F. X. Determination of the milk yield of sows and correction for loss of weight due to metabolic processes of piglets during suckling. Anim. Prod. 6(1):119-123. Feb. 1964. 49 An55
- 93804 TARDANI, A., and LUX, B. U.G.F. in weaning of piglets (comparative test between Torula yeast and the mycelium of cycloserine). (It) Riv. di Zootec. 37(4):206-209. Apr. 1964. 49 R52  
Includes feed formulas.
- 93805 TARDANI, A., and LUX, B. Use of pelleted feed in the early weaning of swine. (It) Riv. di Zootec. 36(10):598-602. Oct. 1963. 49 R52
- 93806 TUCKER, H. Restricting feed of growing-finishing hogs is unimportant. Feed Bag 40(1):7, 18. Jan. 1964. 389.78 F32
- 93807 TUREK, F., HAIGER, A., and LETTNER, F. Comparative research with spiramycin in swine fattening. (Ge) Bodenkultur 15(1):49-56. Mar. 1964. 19 B635  
English summary.  
Austria.
- 93808 WALLACE, H. D., and COMBS, G. E. Corn distillers dried solubles in the sow ration. Distill. Feed Res. Council. Conf. Proc. 19:30-36. Mar. 25, 1964. 389.79 C765
- 93809 WENIGER, J. H. The intensity of feeding and its effect on fattening performance and carcass value of swine. (Ge) Tierzuchter 16(11):406-408. June 5, 1964. 49 T445
- 93810 WETTERAU, H. The application of sugar beets in swine fattening. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 4(12):567-569. Dec. 1963. 18 W763
- 93811 WODE, E. Feeding and slaughter quality in the pig. (Ge) Tierzuchter 16(10):360-362. May 20, 1964. 49 T445  
English summary.
- 93812 ZURECK, F., and TRUBSBACH, H. Causes of browning of lard of fattening swine. (Ge) Arch. f. Lebensmthyg. 13(10):235-238. Oct. 20, 1962. 41.8 L49  
Fish silage feeding.

#### Veterinary Medicine

- 93813 AKKERMANS, J. P. W. M., and others. On Lepstospira hyos infections in connection with abortion and sterility in swine. I. (Du) Tijdschr. v. Diergeneesk. 89(11):741-753. Ref. June 1, 1964. 41.8 T431  
W. K. W. Hill, H. Ouwerkerk, and J. I. Terpstra, joint authors.  
English summary.
- 93814 AMBROZ, M. Castration of sow—modification according to Borelli. (Cz) Veterinarstvi 14(5):234. May 1964. 41.8 V6439
- 93815 ANIKEEV, A. P. On the method of preparation of allergen from the eggs of Ascaris suum (using supersonic vibrations). (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:246-251. 1963. 20 M857  
For diagnosis of ascariasis of swine.
- 93816 ANTONIADIS, G. I. Experiences with comparisons of the electrophoretic method and the Hirst test to demonstrate specific antibodies against swine influenza virus A (Shope). (Ge) Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. I, Orig. 192(3):265-273. Ref. Apr. 1964. 448.3 C33  
English summary.
- 93817 ARVY, L. Development of splenic cholinesterase activity in baby pigs (Sus scrofa L.). (Fr) Soc. de Biol. Compt. Rend. 158(2):225-227. Ref. 1964. 442.9 P21
- 93818 BALBIERZ, H. Complex studies on the course of anemia in suckling pigs. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Weter. 15:7-44. Ref. 1963. 41.9 B753  
English summary.
- 93819 BODEN, W. Membrane filtration of Erysipelothrix insidiosa and use of this method for the determination of viable cells in live swine erysipelas vaccines. (Ge) Wien. Tierarztl. Mon-schr. 1964(spec.no.):203-214. 41.8 T345  
English summary.
- 93820 BOLLWAHN, W., MESSOW, C., and ZSCHOCKE, G. On the closure of large wounds and the healing of perlon nets in umbilical hernias of pigs. (Ge) Deut. Tierarztl. Wchnschr. 71(9):238-241. Ref. May 1, 1964. 41.8 D482  
English summary.
- 93821 BURDELEV, T. E., and BESPALOV, A. I. Dehelminthization of swine in the case of ascariasis. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:241-245. 1963. 20 M857

- 93822 CASTAGNOLI, B. Heart of a pig which had foot-and-mouth disease. (It) Zooprofilassi 19 (3):113-115. Mar.1964. 41.8 Z72  
English summary, p.153.
- 93823 CAVALLO, G. B. Iron deficiency anemia in baby pigs and hydrogenated iron-dextran. (It) Riv. di Zootec. 36(11):670-674. (Concl.) Nov. 1963. 49 R52
- 93824 CAVALLO, G. B. Iron deficiency anemia of piglets and hydrogenated iron dextran. (It) Riv. di Zootec. 36(10):610-614. (Cont.) Oct.1963. 49 R52
- 93825 CHENCHEV, I. Influence of ionizing radiation on infection and immunity. II. Influence of ionizing radiation on passive immunity in swine erysipelas. (Bu) Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:11-15. Ref. 1963. 41.9 So2  
English summary.
- 93826 CHENCHEV, I., and others. Studies on swine pox in Bulgaria. (Bu) Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:141-146. 1963. 41.9 So2  
I. Genov, M. Mateev, D. Lutskanov, and V. Krustev, joint authors.  
English summary.
- 93827 CHOLAKOVA, S., and NEDYALKOV, S. Application of tetracycline in experimental swine erysipelas infection. (Bu) Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:73-80. 1963. 41.9 So2  
English summary.
- 93828 COOK, B. R. Leptospirosis in pigs: vaccination to control perinatal deaths in piglets. New Zeal. Vet. J. 12(1):17-18. Feb.1964. 41.8 N483
- 93829 DEIBEL, R. H., and others. Bacteriology of cervical lymph node abscesses in swine. Amer. Meat Inst. Found. C. 74:17-22. July 1963. 50.9 Am322C  
N. J. Jacobs, J. Yao, and C. F. Niven, joint authors.  
Streptococcus in the neck area.
- 93830 DVORAK, M. Diagnosis of iron deficiency in piglets. I. The erythrocyte picture. (Ge) Wien. Tierarztl. Monshr. 51(4):245-259. Ref. Apr. 1964. 41.8 T345  
English summary.  
Anemia.
- 93831 ERCEGOVAC, D. Contribution to our knowledge of the etiology of enzootic pneumonia of swine. (Ge) Wien. Tierarztl. Monshr. 1964 (spec.no.):141-151. Ref. 41.8 T345  
English summary.
- 93832 ERLER, W. Contribution of chemistry to swine erysipelas causal agents research (Erysipelothrix insidiosa; E. rhusiopathiae). (Ge) Monh. f. Vetmed. 19(6):221-224. Ref. Mar.15,1964. 41.8 M742  
Review of literature.
- 93833 FISH, N. A., RYU, E., and HULLAND, T. J. Bacteriological and pathological studies of natural and experimental swine abortion due to Leptospira pomona. Canad. Vet. J. 4(12):317-327. Ref. Dec.1963. 41.8 R3224
- 93834 FLYNN, D. M., and JONES, T. E. The position regarding swine fever in Victoria. Austral. Vet. J. 40(4):131-137. Ref. Apr.1964. 41.8 Au72
- 93835 GAVRILOV, N. Relationship between the clinical picture, the patho-anatomical changes and the concentration of the hog cholera virus in the blood of experimentally infected pigs. (Bu) Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:133-140. Ref. 1963. 41.9 So2  
English summary.
- 93836 GENEV, KH. Importance of infection carriage in the epizootic and infectious processes of swine erysipelas. (Bu) Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:25-40. Ref. 1963. 41.9 So2  
English summary.
- 93837 GLUHOVSCHI, N., and others. Leptospiric abortion pathogens in sows. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:319-327. 1963. 106.4 T48  
V. Topciu, S. Levin, M. Stan, M. Nafornita, T. Nistor, and H. Chintila, joint authors.  
English summary.
- 93838 GRITSIK, A. K. The effect of feed terramycin on quantity of bacteria in gastro-intestinal tract of swine. (Rus) Veterinariya 3:17-18. Mar.1964. 41.8 V6426
- 93839 GUERREIRO, M. G., and others. Atrophic rhinitis in swine of Rio Grande do Sul. (Por) Dipan 15(130):20-23. 1963. 41.9 R473  
E. Trein, W. Warth, and T. Antinolfi, joint authors.  
English summary.
- 93840 GUSSMANN, H. J., and FIEDLER, W. Aujeszky's disease of swine in the Ostsee district; a contribution to clinical and laboratory diagnosis. (Ge) Monh. f. Vetmed. 19(11):415-422. Ref. June 1,1964. 41.8 M742
- 93841 HAAG, J. The evolution of African swine fever in Spain. (Fr) Encyc. Vet. Period. 21(3):168-171. Mar./Apr.1964. 41.8 En1
- 93842 HOSKINS, F. H. Placental transfer and maternal-fetal tissue distribution of iron-59 in swine and sheep. Diss. Abs. 24(12,pt.1):4892. June 1964. 241.8 M58
- 93843 HUSSEL, L., and LIEBISCH, A. The African swine fever—a danger for European stock-farming. (Ge) Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed. 1 (1):138-148, map. Ref. 1963. 26 L53
- 93844 IPATENKO, N. G. Diagnosis of the local anthrax form during veterinary inspection of pork. (Rus) Veterinariya 3:83-87. Mar.1964. 41.8 V6426
- 93845 IVANOV, D. P. Ferreglucine in the prophylaxis and treatment of anemia of baby-pigs. (Rus) Veterinariya 3:98-100. Mar.1964. 41.8 V6426  
An iron-dextran compound.
- 93846 JASTRZEBSKI, T. Thermostable inhibitors of intestine viruses R3 and R16 of the pig in human and animal sera. (Pol) Lublin. U. Marii Curie-Sklodowskiej. Ann. Sect. DD, 17:171-190. Ref. 1962, pub.1964. 512 L96Ad  
English summary.
- 93847 KAWAKUBO, A., and HAYASHI, N. Supplementary experiments on immunization of piglets in the weaning period with inactivated hog cholera vaccine. (Ja) Japan Vet. Med. Assoc. J. 17(1):30-34, 27. Ref. 1964. 41.9 J275  
English summary.
- 93848 KEAST, J. C., and GOLDING, N. K. Further developments in relation to swine fever in New South Wales. Austral. Vet. J. 40(4):137-144. Ref. Apr.1964. 41.8 Au72
- 93849 KORN, G. Sensitising effect of a very weakly-virulent non-immunising strain of swine fever virus and the resulting marked increase in virulence produced by the sensitised host. (Ge) Zentbl. f. Vetmed. Reihe B, 11(2):119-134. Ref. May 1964. 41.8 Z52  
English summary.
- 93850 KOSHIMIZU, K., and others. Distribution of Toxoplasma antibodies in slaughtered hogs and workers of a Tokyo slaughterhouse. (Ja) Japan Vet. Med. Assoc. J. 16(12):16-20. 1963. 41.9 J275  
T. Fukazawa, T. Kanai, Y. Harada, T. Naramura, K. Saito, S. Sugaya, G. Tokutomi, and Y. Akao, joint authors.  
English summary.
- 93851 KOSTYRA, J., and WOLOSZYN, S. Studies on the etiology and treatment of abscesses in pigs. (Pol) Lublin. U. Marii Curie-Sklodowskiej. Ann. Sect. DD, 17:313-340. Ref. 1962, pub. 1964. 512 L96Ad  
English summary.
- 93852 KRETZSCHMAR, C., and SCHULZ, W. The distribution of Aujeszky's disease in the Magdeburg district; characteristic traits for its diagnosis and reflections on presently possible treatment and medicinal prophylaxis. (Ge) Monh. f. Vetmed. 19(8):293-299, map. Ref. Apr.15,1964. 41.8 M742  
Swine.
- 93853 KUHLMANN, W. Contribution to histological pregnancy diagnosis of swine by vaginal biopsy (preliminary report). (Ge) Monh. f. Vetmed. 19(7):247-248. Apr.1,1964. 41.8 M742  
In reference to article by W. Busch.



- 93854 LARENAUDIE, B., HAAG, J., and LACAZE, B. African swine fever. (Fr) *Encyc. Vet. Period.* 21(3):172-177. Mar./Apr. 1964. 41.8 En1
- 93855 LAWRIE, R. A., and GATHERUM, D. P. Studies on the muscles of meat animals. V. Inter- and intra-litter differences in the composition of longissimus dorsi muscles from pigs. *J. Agr. Sci. [London]* 62(3):381-390. Ref. June 1964. 10 J822
- 93856 LIANG, L. C., and CHENG, C. M. Note on a new tapeworm, *Hsuolepis shensiensis* sp. nov. (Cestoda: Hymenolepididae), from swine in Shensi Province, China, and a revision of genus *Hsuolepis* Yang, Zhai and Chen, 1957. (Ch) *Acta Zool. Sinica* 15(2/4):211-215. June/Dec. 1963. 410 Ac87  
English summary.
- 93857 LINNUTAJA, A. Diagnosis of infectious atrophic rhinitis with X-ray pictures. (Es) *Eston-skaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov* 30:52-59. 1963. 106 Es83  
German summary.
- 93858 LUCAS, F. R. Diseases of the pig. *Md. Vet.* 6(6):11. June 1964. 41.8 M36  
Transmissible gastroenteritis and infectious atrophic rhinitis.
- 93859 MARCUSSEN, E. Stress and diseases caused by stress. (Da) *Dansk Pelsdyravl* 27(1):60-61. Jan. 20, 1964. 412.628 D23  
With special reference to swine and mink.
- 93860 MARKOV, A. A., and TIMOFEEV, B. A. Study of pathogenicity of trichomonads isolated from nasal cavity of swine sick with infectious atrophic rhinitis. (Rus) *Moscow. Vsesoyuzn. Inst. Eksp. Vet. Trudy* 28:312-316. Ref. 1963. 41.9 R923  
French summary.
- 93861 MATEEV, M., and others. Studies on brucellosis among swine. III. (Bu) *Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv.* 8:147-152. Ref. 1963. 41.9 So2  
B. Boev, V. Krustev, and D. Lutskanov, joint authors.  
English summary.
- 93862 MEESE, M., and MAAS, A. Studies on the occurrence of swine erysipelas bacilli in the blood of experimentally infected pigs following treatment with serum and penicillin. (Ge) *Wien. Tierarztl. Monshr.* 1964(spec.no.):214-220. Ref. 41.8 T345  
English summary.
- 93863 MEYER, R. C., BOHL, E. H., and KOHLER, E. M. Procurement and maintenance of germ-free swine for microbiological investigations. *Appl. Microbiol.* 12(4):295-300. July 1964. 448.3 Ap5
- 93864 MIYAJIMA, M. Swine diseases. (Ja) *Keiyu* 2:212-217. Feb. 1964. 47.8 K26
- 93865 NESTEROV, T. S., and KUTILOV, I. N. Trichinelloscopy of lard. (Rus) *Veterinariya* 3:87. Mar. 1964. 41.8 V6426  
For diagnosis in swine.
- 93866 NETHERLANDS. VEEARTSENIJKUNDIGE DIENST. African swine fever. (Du) *Tijdschr. v. Diergeneesk.* 89(12):897-901. June 15, 1964. 41.8 T431  
Diagnosis and treatment.
- 93867 NICKEL, E. A., and HAUPT, W. Course and effects of experimental nodular worm infestations in pigs. (Ge) *Berlin. u. Munch. Tierarztl. Wchnschr.* 77(10):193-197. Ref. May 15, 1964. 41.8 B45  
English summary.
- 93868 NOMM, E., and PETERSON, K. The spread of atrophic rhinitis in pigs and the results of aquargen cure. (Es) *Eston-skaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov* 30:44-51, map. 1963. 106 Es83  
English summary.
- 93869 OOLMAN, D. M. Practical hog practice. *Kans. Vet.* 20(3):12-14. May/June 1964. 41.9 K133B  
Agalactia, hypoglycemia, and baby pig scours.
- 93870 PAN, I. C., and others. Experimental reproduction of edema disease of swine. *Acad. Sinica. Inst. Zool. B.* 1(2):73-87. Ref. Dec. 1962. 410.9 Ac1  
C. T. Wang, Y. C. Yeh, I. J. Pan, and H. C. Chen, joint authors.
- 93871 PHELPS, A. Kiss of life. *Pig Farming* 12(7):33. July 1964. 46.8 P623  
Resuscitation.
- 93872 PIATKOWSKI, B., and JUNG, H. An improved apparatus for metabolic research on growing swine of both sexes. (Ge) *Arch. f. Tierernahr.* 14(1):7-12. 1964. 389.78 Ar22  
English summary.
- 93873 PIÑEL R., C. R. Comparative study of the different serological techniques in diagnosing brucellosis in swine. (Sp) *Ceiba* 10(1):63-73. Ref. Mar. 1964. 475 C32
- 93874 PINKIEWICZ, E., and PIENKOWSKI, M. Observations on effectiveness of controlling ascariasis in swine and on toxicity of fluoride and sodium fluosilicate. (Pol) *Med. Weter.* 20(6):352-353. Ref. June 1964. 41.8 M463
- 93875 PUUSEPP, O. The most suitable age for castration of piglets. (Es) *Eston-skaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov* 30:158-165. Ref. 1963. 106 Es83  
German summary.
- 93876 RAUBA, J. Tuberculosis-connected changes in the organs of swine. (Es) *Eston-skaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov* 30:69-72. 1963. 106 Es83  
German summary.
- 93877 RODABAUGH, D. E., WRIGHT, H. B., and ELDER, C. Effect of *Salmonella choleraesuis* infection on immunity to hog cholera. *Mo. Agr. Expt. Sta. Res. B.* 849, 40 p. Feb. 1964. 100 M693
- 93878 SAAR, L. I., and GETTY, R. The lymph vesicles of the thoracic limb of swine. *Iowa State U. Vet.* 26(3):161-168. Ref. 1964. 41.8 V6425
- 93879 SAMOL, S. Castration of gilts with estrogens. (Pol) *Przegl. Hodowlany* 32, i.e. 31(11):22-23. Nov. 1963. 49 P952
- 93880 SASAHARA, J., and others. Potency and safety of living hog cholera vaccine prepared from caprinized virus. *Tokyo. Natl. Inst. Anim. Health. Q.* 4(1):1-9. Spring 1964. 41.9 T575Q  
S. Hayashi, H. Konoike, A. Okaniwa, Y. Takahashi, I. Takei, K. Yanagisawa, and K. Yoda, joint authors.
- 93881 SAXENA, R. P., ASTHANA, V. S., and BISHT, K. S. Control of swine fever outbreak at the Central Dairy Farm, Aligarh, U.P. *Indian Vet. J.* 41(3):185-192. Mar. 1964. 41.8 In2
- 93882 SCHMIDT, D., and BERGMANN, H. Experimental studies on the use of crystal violet vaccine against swine pest in infected herds. (Ge) *Monh. f. Vetmed.* 19(4):139-143. Feb. 15, 1964. 41.8 M742
- 93883 SCHULMAN, A. Anemia of swine. (Sw) *Svinet* 54:7-8. Dec. 1963. 46.8 Sv32  
Prevention.
- 93884 SELLERS, K. C. Tackling scour. *Pig Farming* 12(7):26-28. July 1964. 46.8 P623
- 93885 SERAFIMOV, S., KHARALAMBIEV, KH., and IVANOV, I. Influence of some properties of production strains on the activity of anti-swine erysipelas serum. (Bu) *Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv.* 8:127-131. 1963. 41.9 So2  
English summary.
- 93886 SJOQUIST, G. They stand up down under. *Pig Farming* 12(4):69, 71. Apr. 1964. 46.8 P623  
Leg weakness in Australian pigs.
- 93887 SMIRNOV, A. M. Combined Aujeszky's disease and listeriosis of swine. (Rus) *Veterinariya* 3:28-29. Mar. 1964. 41.8 V6426  
Treatment.
- 93888 SONODA, A. African swine fever and African horse sickness, diseases recently annoying the world. (Ja) *Japan Vet. Med. Assoc. J.* 16(12):23-28, map. Ref. 1963. 41.9 J275
- 93889 STANKUSHEV, KH. Toxicological testing of *Aspergillus* fungi species in growing piglets and pregnant sows. (Bu) *Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zoo-khig. Izv.* 3:135-139. 1963. 41.9 B874  
German summary.
- 93890 SYBESMA, W. Meat quality defects as a result of muscle defects. (Du) *T.N.O.-Nieuws* 19(217):166-169. Mar. 1964. 475 T11  
Swine.

- 93891 SZENT-IVANYI, T. Study of African swine fever. (Ge) Monh. f. Vetmed. 19(7):257-260. Ref. Apr.1,1964. 41.8 M742
- 93892 SZYNKIEWICZ, Z. M. Protozoa as fundamental factors for the destruction of Erysipelothrix insidiosa in soil. Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. I, Orig. 192(3):347-352. Apr.1964. 448.3 C33
- 93893 TIMOFEEV, B. A. Spreading factor and hyaluronidase of trichomonads of swine and of Tritrichomonas foetus (Riedmuller, 1928). (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:300-306. Ref. 1963. 41.9 R923  
French summary.
- 93894 TOLLE, A. Piglet influenza. (Ge) Tierzuchter 16(6):193-195. Mar.20,1964. 49 T445
- 93895 TUDOR, G. Gnathostoma hispidum in R. P. R. (Rum) Rev. de Zooteh. si Med. Vet. 14(5):82-91, map. May 1964. 49 P943  
English summary.  
Stomach worm of swine.
- 93896 WAWRZKIEWICZ, J. Investigations on diagnosing hog cholera by means of the precipitation reaction in agar gel. (Pol) Lublin. U. Marii Curie-Sklodowskiej. Ann. Sect. DD, 17:201-234. Ref. 1962, pub.1964. 512 L96Ad  
English summary.
- 93897 YANEV, E., SUMROV, I., and DZHANKOV, I. Studies on the application of a quick drop agglutination method in the diagnosis of leptospiroses. (Bu) Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:99-105. 1963. 41.9 So2  
English summary.  
Swine and cattle.
- 93898 ZARZYCKI, J. Histochemical studies of capsules of Trichinellae. Wiad. Parazytol. 9(5):453-458. Ref. 1963. 436.8 W63  
In swine and mice.
- 93899 ZUFFA, A. Immunisation against Aujeszky's disease. III. Vaccination of brood sows with the modified virus, with particular consideration of the diaplacental transmission of the virus and the colostrum transmission of the antibodies. (Ge) Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. I, Orig. 192(3):280-287. Ref. Apr.1964. 448.3 C33  
English summary.
- Miscellaneous
- 93900 ADAM, J. L., and SMITH, W. C. The use of specific gravity and its reciprocal in predicting the carcass composition of pigs slaughtered at three weights. Anim. Prod. 6(1):97-105. Ref. Feb.1964. 49 An55
- 93901 BREKKE, T. Progeny testing of swine. (No) Buskap og Avdratt 15(4):192-193. 1963. 49 B96
- 93902 DAVIDSON, M. Meat type hogs-1964; a recent impression of developments in American pig farming. Pig Breeders' Gaz. 118:44-45. July 1964. 46.8 N21
- 93903 DENMARK. LANDOKONOMISK FORSOGLABORATORIUM. 52. beretning om sammenlignende forsog med svin fra statsanerkendte alvscentre, 1962-63 [52nd report on comparative testing of pigs from government approved breeding centers, 1962-1963], by H. Clausen, R. N. Thomsen, and O. K. Pedersen]. Denmark Stat. Husdyrbrugsvd. Forsogslab. Beret. 344, 152 p. 1964. 104 D41  
English summary.
- 93904 ENGLISCH, H. G. Importance and execution of farm fattening and slaughter performance control in herd and free breeding swine farms. (Ge) Tierzucht 17(11):511-514. Ref. Nov.1963. 49 T443
- 93905 FISCHER, H., and DEVENDRA, C. Origin and performance of local swine in Malaya. Z. f. Tierzucht. u. Zuchtbiol. 79(4):356-370. Ref. Feb.1964. 442.8 Z35
- 93906 FLETCHER, W. E. Effects of pig housing. Pigs & Poultry 11(2):8-10. Dec.1963. 47.8 Ir4  
Ireland.
- 93907 GT. BRIT. AGRICULTURAL RESEARCH COUNCIL. Index of current research on pigs (X). Reading, Berks., 1964. 113 p. 46.9 G79  
Chiefly works in progress at institutions throughout the world, and papers published in 1963.
- 93908 GT. BRIT. PIG INDUSTRY DEVELOPMENT AUTHORITY. Sixth annual report and statement of accounts for the year ended 30th September 1963. London, 1963. 44 p. 46.9 G793
- 93909 HOFMANN, F., and HOLKE, R. Swine performance testing and productivity control in socialistic large farms. (Ge) Tierzucht 17(10):460-463. Oct.1963. 49 T443  
Includes costs and returns aspect.
- 93910 HOPE, J., and LANGMEAD, R. Costs we overlook. Pig Farming 12(2):28-29, 33. Feb.1964. 46.8 P623  
Great Britain.
- 93911 IOWA SWINE PRODUCERS ASSOCIATION. Iowa swine producers directory 1962-63. Des Moines, 1963. 68 p. 46.9 Io9
- 93912 KAISER, H. The marking of swine in large herds. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 4(12):543-546. Dec.1963. 18 W763
- 93913 LIGUORI, A. Aspects and problems in swine and sheep rearing in The Marches. (It) Allevatore 20(10):3,7. Mar.8,1964. 49 AL55
- 93914 LINDENAU, H. Modern methods of swine raising in the CSSR. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 4(12):561-565. Dec.1963. 18 W763
- 93915 LYON, L. Swine testing in Denmark--realization. (Fr) Rev. de l'Elevage 19(6/7):747-748, 751-753, 755-756. (Cont.) June/July 1964. 49 B462
- 93916 MAKHACHEV, R. S. Zoohygienic regime of housing of nurse sows together with baby pigs under winter conditions. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:270-276. 1963. 20 M857
- 93917 MUELLER, A. G. Is multiple farrowing better than a two-litter system of hog production? Ill. Res. 6(3):3-4. Summer 1964. 100 IL64
- 93918 NETHERLANDS. FOREIGN INFORMATION SERV. Litter testing stations. Netherlands. Export Prom. & Foreign Inform. Serv. P. E 109, rev., 4 p. 1964. 12 N3826
- 93919 NUNEZ PALENCIA, M. V. R. Zootechnical and economic factors that condition the growth of swine. (Sp) Mex. Agr. 10(118):20-21. Dec. 1963. 8 M5762
- 93920 RICHTER, W., WESCHE, W. D., and HENSCHEL, J. Preliminary and concluding information on investigations of collective swine herdbook farms in the Potsdam district in 1962. (Ge) Monh. f. Vetmed. 19(1):4-11. Jan.1,1964. 41.8 M742  
Sanitary and rearing aspects.
- 93921 THERECKA, V., and LILO, P. Pork ratio. (Al) B. i Shkencave Bujqesore 3(1):101-121. Ref. 1964. 21.5 B87  
English summary.
- 93922 TRULSSON, G. Swine progeny testing, 1962/63. (Sw) Svinskotsel 54(2):41-43. 1964. 46.9 Sv2
- 93923 WOOD, H. Ultrasonic pig testing. New Zeal. Pig Breeder 20:29, 31, 33. Dec.1963. 46.8 N48  
Carcass grading.



## ENTOMOLOGY

## GENERAL

- 93924 ADAMS, P. A. A rubber stamp method for producing specimen labels. *J. Res. Lepidoptera* 2(3):225-228. Nov.1963. 421 J827
- 93925 CHENG, T. H. The Entomological Society of (Communist) China. *Ent. Soc. Amer. B.* 9(4):266-267. Dec.1963. 423.9 En8
- 93926 CONCI, C. Distribuzione ed intensita del movimento entomologico in Italia [Distribution and intensity of entomological activity in Italy]. *Soc. Ent. Ital. Inform. del Giovane Ent.* 3(14):13-16. 1962. 420 It1 Suppl.  
By members of the Societa Entomologica Italiana.
- 93927 ENTOMOLOGICAL SOCIETY OF AMERICA. Membership list. *Ent. Soc. Amer. B.* 9(4):201-261. Dec.1963. 423.9 En8
- 93928 ENTOMOLOGICAL SOCIETY OF AMERICA. Minutes of the opening session preliminary business meeting and final business meeting. St. Louis, Missouri, December 2-5, 1963. *Ent. Soc. Amer. B.* 10(1):16-59. Mar.1964. 423.9 En8  
Includes report of auditor and the standing committees for 1963.
- 93929 ENTOMOLOGICAL SOCIETY OF AMERICA. PACIFIC BR. Proceedings of the forty-seventh annual meeting, Gearhart, Oregon, June 25-27, 1963. *Ent. Soc. Amer. B.* 9(4):278. Dec.1963. 423.9 En8
- 93930 NORDISKE ENTOMOLOGMODE, 12, COPENHAGEN, 1962. [Abstracts of papers]. (Da) *Ent. Meddel.* 32(1):1-83, map. 1963. 421 En82  
Includes discussions.
- 93931 SMITH, C. N. Where your treasure is. *Ent. Soc. Amer. B.* 10(1):1-2. Mar.1964. 423.9 En8  
Entomology as a profession and program of the Entomological Society of America.
- 93932 SMITHSONIAN Institution's Department of Entomology. *Ent. Soc. Amer. B.* 9(4):273-277. Dec.1963. 423.9 En8  
In U. S. National Museum.
- 93933 SOUTH LONDON ENTOMOLOGICAL AND NATURAL HISTORY SOCIETY. Proceedings and transactions, 1962. Westminster, 1963. 235 p. Ref. 420 So8
- 93934 STEINHAUS, E. A. The day is at hand. *Ent. Soc. Amer. B.* 10(1):3-7. Mar.1964. 423.9 En8  
Situation and outlook for entomology.
- 213
- 93940 BERAN, F. Modern plant protection indicted: "Are the plant pests winning?" (Ge) *Pflanzen-arzt* 16(10):122-127. Oct.1,1963. 464.9 P482  
Controversy over hazards of insecticides; includes list of chief insect pests in Austria 1947-1962.
- 93941 BOGDARINA, A. A. Physiological grounds for joint use of insecticide and mineral fertilizer elements with the trends for future investigations. (Rus) *Vsesoyuzn. Nauch.-Issled. Inst. Zashch. Rast. Trudy* 17:100-118. Ref. 1963. 464.9 L542S  
English summary.
- 93942 BOYER, W. P. Insect pests that have invaded the State. *Ark. Farm Res.* 13(3):11. May/June 1964. 100 Ar42F
- 93943 BURDEN, G. S., LOFGREN, C. S., and GAHAN, J. B. Effect of residual and contact sprays on the resistance of the German cockroach [*Blattella germanica*] to chlordane. *Fla. Ent.* 47(2):109-111. June 1964. 420 F662
- 93944 BUXTON, G. M. *Nezara viridula* (L.), the southern green stink bug. *Calif. Bur. Ent. & Plant Quar. Memo.* E-97,2 p. Sept.6,1963. 423.9 C125  
As pests, includes food and host plants.
- 93945 CHANG, S. M., and others. The vertical distribution of some agricultural insects on Ching-kang Mountain. X. (Ch) *Acta Ent. Sinica* 12(3/4):515-518. July/Sept.1963. 421 K96  
K. Wang, W. C. Lin, Y. H. Chao, and T. M. Ting, joint authors.
- 93946 CHESNOKOV, P. G. Elucidation of natural plant resistance to pest. (Rus) *Trudy po Prikl. Bot. Genet. i Selekt.* 35(2):181-190. 1963. 451 R92  
English summary.  
Insect pests.
- 93947 CHOPARD, L. The fight against insects in Communist China. (Fr) *Entomologiste* 19(5/6):81-83. Dec.1963. 421 En814  
Biological and chemical control of plant pests.
- 93948 COLLABORATIVE PESTICIDES ANALYTICAL COMMITTEE. Recommended analytical methods for pesticides. 18. DDT dusts and water-dispersible powders. *FAO Plant Protect. B.* 11(4):90-92. Aug.1963. 421 P692
- 93949 COMITE INTERAMERICANO PERMANENTE ANTIACRIDIANO. Memoria y balance 1º de enero al 31 de diciembre de 1961 [Report and balance sheet, January 1 to December 31, 1961]. Buenos Aires, 1962. 39 p., map. 429 C73M
- 93950 COOK, H. C. Filler's approach to water-based insecticides. *Soap & Chem. Spec.* 40(7):125-126,128,140-141. July 1964. 307.8 So12  
For aerosols.
- 93951 CORREA DOMINGUEZ, J., and CONTRERAS CORONADO, A. Biological control of some important pests in the State of Veracruz during the year 1962. (Sp) *Fitofilo* 16(40):35-41. Oct./Dec.1963. 421 F55  
Includes introduction of parasitic insects.
- 93952 CORSO DI QUALIFICAZIONE TECNICA IN ENTOMOLOGIA MERCEOLOGICA, ROMA, 1963. Atti [Proceedings], 1963. Roma, Ministero dell'Agricoltura e delle Foreste, Direzione Generale dell'Alimentazione, 1964. 126 p. 423.92 C81
- 93953 DECKER, G. C. The past is prologue. *Ent. Soc. Amer. B.* 10(1):8-15. Mar.1964. 423.9 En8  
Situation and outlook in economic entomology including crop yields.
- 93954 DEUTSCHE PHARMAKOLOGISCHE GESELLSCHAFT. Fifth spring meeting, Mainz, Apr. 26-29, 1964. Naunyn-Schmiedeberg's Arch. f. Expt. Path. u. Pharmacol. 247(4):295-390. 1964. 448.8 Ar2  
Abstracts of papers.  
Includes toxicology of DDT and para-oxon.
- 93955 DOANE, C. C. *Bacillus thuringiensis*; problems and prospects. *Frontiers Plant Sci.* [Conn. Sta.] 16(2):6-7. May 1964. 100 F92  
Biological control of insects.

## ECONOMIC

## General

- 93935 ABO-EL-GHAR, M. R., and JERMY, T. Laboratory evaluation of some acaricides. (Hu) *Novenytermeles* 13(1):73-82. Mar.1964. 64.8 N76  
English summary.  
Tested on *Tetranychus telarius*.
- 93936 BARNHART, C. S. Spray droplet behavior studies. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:229-232. 1963. 420 N46  
Insecticides, including particle size.
- 93937 BAUER, K. Studien über Nebenwirkungen von Pflanzenschutzmitteln auf die Bodenfauna [Studies on the side effects of pesticides on the soil fauna]. Berlin. Biol. Bundesanst. f. Land- u. Forstwirt. Mitt. 112,42 p. Ref. Mar.1964. 410.9 G31M  
Insecticides, chiefly chlorinated hydrocarbons, organic phosphorus, and carbamates; effects on earthworms and beneficial Collembola and mites.
- 93938 BELOSLUDTSEVA, N. G. Pigeonpea—a new plant material for obtaining native shellac. (Rus) *Trudy po Prikl. Bot. Genet. i Selekt.* 34(1):197-202. 1962. 451 R92  
English summary.  
Varieties.
- 93939 BENZ, G. Microorganisms as natural limiting factors of insect populations and the use of microorganisms for biological control. (Ge) *Grüne* 92(26):816-819. June 26,1964. 17 Sch9

- 93956 DRIGGERS, B. F. Are we spraying more for mite control on apples than necessary and thereby hastening the development of resistant strains of mites? *N. J. State Hort. Soc. Hort. News* 45(4):12,14,18,20,22. July 1964. 81 N46
- 93957 DUVLEA, I., and others. The control of some species of pest insects by *Bacillus thuringiensis*. (Rum) *Bucharest. Inst. Agron. Timisoara. Lucrari Sti.* 6:191-196. 1963. 106.4 T48  
Z. Beratliel, S. Predescu, V. Corpade, and G. Sirbu, joint authors.  
English summary.
- 93958 ETO, M., and others. Saligenin cyclic alkyl phosphates and phosphorothionates with insecticidal activity. *Agr. & Biol. Chem.* 27(11): 789-794. Nov.1963. 385 Ag8B  
Y. Kinoshita, T. Kato, and Y. Oshima, joint authors.
- 93959 FINE, B. C. The present status of resistance to pyrethroid insecticides. *Pyrethrum Post* 7(2):18-21,27. Ref. Oct.1963. 421 P99  
Compared with insect resistance to other insecticides.
- 93960 FRENCH, W. L., and KITZMILLER, J. B. Determination of genotypes for dieldrin resistance in anopheline larvae. *N. J. Mosquito Extermin. Assoc. Proc.*, 50th Annu. Mtg.:241-250. 1963. 420 N46  
*Anopheles quadrimaculatus*.
- 93961 GALLO, P. Problems in the use of insecticides on occupied premises. In Thomson, G., ed. *Recent advances in conservation*, p.48-54. Ref. 1963. 317.9 T36  
Chiefly hazards and safeguards.
- 93962 GEIGY AGRICULTURAL CHEMICALS. Diazinon insecticides; 1964 diazinon handbook. *Ardsley, N. Y.*, 1964. 75 p. 423.9 G27  
Plant pests, flies, and household pest control.
- 93963 GEORGHIU, G. P. Effects of carbamate insecticide selection pressure on *Anopheles albimanus* Wied. *Calif. Mosquito Control Assoc. Proc. & Papers*, 31st Annu. Conf.:80-83. Dec.11,1963. 428 C763  
Resistance studies; compared with *Culex quinquefasciatus*.
- 93964 GODAN, D. Investigations on the effect of population density on sensitiveness of *Drosophila melanogaster* Mg. to endrin and parathion. (Ge) *Z. f. Angew. Ent.* 53(3):274-294. Ref. Feb.1964. 421 Z36  
English summary.
- 93965 GOLDSMID, J. M. The mites (Acarina) of the family Eriophyidae in Southern Rhodesia. *Rhodesia Agr. J.* 61(2):21-22. Ref. Mar./Apr. 1964. 24 R34  
Plant pests.
- 93966 GT. BRIT. TROPICAL PESTICIDES RESEARCH UNIT, PORTON. Annual report, 31st March, 1963. *Gt. Brit. Colon. Off. Trop. Pesticides Res. Unit. TPRU/Porton/Rpt.* 246,13 p. 1963. 423.92 C798C  
Chiefly insecticides.
- 93967 HATCHER, D. M. The thermo-fog generator swingfog SN 7. *Pyrethrum Post* 7(2):28-32,36. Oct.1963. 421 P99  
Insecticide application.
- 93968 HEAD, S. W. An examination of the effect of picking methods on the pyrethrins content of dry pyrethrum flowers. *Pyrethrum Post* 7(2): 3-9. Oct.1963. 421 P99  
*Chrysanthemum cinerariaefolium*.
- 93969 HENNESSY, D. J. The chemical behavior of DDT as a basis of toxicity and resistance. *N. J. Mosquito Extermin. Assoc. Proc.*, 50th Annu. Mtg.:232-234. Ref. 1963. 420 N46  
Mosquitoes and flies.
- 93970 HILL, E. G. The Pesticides Safety Precautions Scheme. *Milling* 142(26):698-699. June 26,1964. 298.8 M622  
Great Britain.
- 93971 HOBBS, G. A. Importing and managing the alfalfa leaf-cutter bee [*Megachile rotundata*]. *Canada. Dept. Agr. P.* 1209,8 p. 1964. 7 C16Pu  
To pollinate alfalfa.
- 93972 HSI-LIN, K., KAI-HSIN, J., and CHIH-HSIEN, W. The use of "Su-yun" *Bacillariaceae* to combat caterpillars. p.38-43. *Transl.* 12989  
Translation from *Chung-kuo Lin-yeh* 6:22-23. 1962.
- 93973 JIMENEZ JIMENEZ, E. Advances in and results of biological control in Mexico. (Sp) *Fito-filo* 16(38):34-45. Apr./June 1963. 421 F55  
Insect pests of plants.
- 93974 JOHANSSON, D., and STENMARK, A. Control of pests of cultivated plants. (Sw) *Kem. Vaxtskyddsmedel* 1963:27-33. 385 K313
- 93975 KALMANCHEY, E. Insects in the menu of some nations. (Hu) *Buvar* 9(2):101-105. Mar./Apr.1964. 410 B98
- 93976 KATTI, S. S., and CHINCHOLE, P. R. Water dispersible DDT formulations: solubility & interfacial tension measurements in DDT-oil-wetting agent systems. *Indian J. Technol.* 2(1): 1-2. Jan.1964. 475 In22
- 93977 KHALIFMAN, I. *Pchely* [Bees]. Ed. 4, rev., and enl. Moskva, Molodaya Gvardiya, 1963. 397 p. 424 K522
- 93978 LINDQUIST, A. W., ed. Insect population control by the sterile-male technique; comprehensive report of a panel held in Vienna, 16-19 October 1962. Vienna, 1963. 59 p. Ref. (International Atomic Energy Agency. Technical Reports Series No.21) 423 L644  
Use of radiation.
- 93979 LUERS, H., and BOCHNIG, V. Investigation on the problem of pre- or post-adaptation in the development of DDT resistance. (Ge) *Zool. Beitr.* (n.s.)8(1):15-22. Ref. 1963. 410 Z753  
*Drosophila melanogaster* studied.
- 93980 MCBAY, L. G., and ALLEN, R. H. The effects of forest tent caterpillar [*Malacosoma disstria*] control experiment on fish and wildlife. *Ala. Acad. Sci. J.* 34(2):58-64. Apr.1963. 500 AL12  
Effects of control with DDT, DDE and DDD.
- 93981 MACNAY, C. G. A regional review of insects of the season 1963. *Canad. Insect Pest Rev.* 41(9): 175-256. 1963. 423.92 C16C  
Includes outbreaks.
- 93982 MACNAY, C. G. Summary of important insect infestations, occurrences, and damage in agricultural areas of Canada in 1963. *Canad. Insect Pest Rev.* 41(8):153-174, map. 1963. 423.92 C16C
- 93983 MADHAV, R., SESHADRI, T. R., and SUBRAMANIAN, G. B. V. A new method of fractionation of lac resin and the preparation of aleuritic acid. *Cur. Sci.* 33(9):264-266. May 5,1964. 475 Sci23
- 93984 MARICONI, F. A. M., and CASTRO, U. DE P. Control the "sauva limao" [*Atta sexdens rubropilosa*] with liquid aldrin, with application made in a narrow compass. (Por) *Rev. de Agr. [Piracicaba]* 38(4):203-206. Dec.1963. 9.2 R324
- 93985 MARICONI, F. A. M. Present situation of Brazilian economic entomology. (Por) *Rev. de Agr. [Piracicaba]* 38(4):171-176. Dec.1963. 9.2 R324
- 93986 MARTINEZ GAMARRA, A. Preliminary report on cochineal in the Department of Ayacucho. (Sp) *Co. Admin. del Guano. B.* 39(1/3):13-14. Jan./Mar.1963. 57.9 C73B
- 93987 MATHLEIN, R. Repellents in insect control. (Sw) *Sweden. Stat. Vaxtskyddsanst. Vaxtskyddsnot.* 27(3):43-47. 1963. 464.9 Sw3V
- 93988 MATYSIAK, T. Remarks on biology and economic importance of bumblebees. (Pol) *Polskie Pismo Ent. Ser. B*, 1/2:105-115. Ref. 1963. 421 P762  
As pollinators of cultivated plants.
- 93989 MECHALAS, B. J., DUNN, P. H., and ANDERSON, N. B. Bioassay of *Bacillus thuringiensis* Berliner-based microbial insecticides. I-II. *J. Insect Path.* 6(2):214-224. Ref. June 1964. 421 J826  
Tests on *Estigmene acrea*.
- 93990 MOECKLI, B. Plant protection documentation in a Swiss industrial plant. (Ge) *Gesell. f. Bi-bliotw. u. Dokumentation des Landbaues*. 7:16-22. 1964. 243.9 G33  
Insect control documentation at the J. R. Geigy firm.



- 93991 MONRO, H. A. U. Insect resistance to fumigants. *Pest Control* 32(7):11-13, 26. July 1964. 449.8 Ex8  
Chiefly tests on resistance of *Sitophilus granarius* to methyl bromide.
- 93992 MONTESSORI, T., and JACOROSI, F. Primin aficida selettivo [Primin, selective aphicide]. *Soc. Ital. Amer. Prod. Antiparas. Quaderni Tec. S. I. A. P. A.* 14, 18 p. June 15, 1963. 423 Sol3Q  
Carbamate insecticide in aphid control on plants.
- 93993 MUIR, D. A. Observations on the development and trend of insecticide resistance in two important malaria vectors in Indonesia. *World Health Organ. WHO/Vector Control* 54, 14 p., map. Sept. 30, 1963. 423.92 W89  
*Anopheles aconitus* and *A. sundaicus*.
- 93994 NETTLES, W. C. Insecticide use chart for milk producers; prevent insecticide residues in your milk supply. *Clemson Agr. Col. S. C. Ext. Inform. Card* 103, rev., chart. May 1964. 275.29 So8I  
Published jointly with Georgia Agricultural Extension Serv.
- 93995 NOONAN, J. B. Monolepta beetle prevalent. *Milk Bd. J.* 15(4):37. Apr. 1964. 44.8 M5934  
Monolepta australis on various crops and control with DDT and dieldrin.
- 93996 ORPHANIDIS, P. S. Laboratory research on the sterilization of the adults of *Ceratitis capitata* Wied. by means of sterilizing substances. 1. Experiences with apholate. (Fr) *Inst. Phytopath. Benaki. Ann. (n.s.)* 5(3):260-287. Ref. 1963. 464.9 At4  
Includes rearing.
- 93997 OSMUN, J. V. Insects and other arthropods of economic importance in Indiana in 1962. *Ind. Acad. Sci. Proc.* 72:142-149. 1962, pub. 1963. 500 In2
- 93998 OZBURN, G. W., and MORRISON, F. O. The effect of diluting a colony of DDT resistant houseflies with non-resistant houseflies. *Phytoprotection* 44(1):32-36. Ref. June 1963. 464.8 P566
- 93999 PATTERSON, R. S., and VON WINDEGUTH, D. L. The effects of Baytex on the organisms in an aquatic environment. *Fla. Anti-Mosquito Assoc. Rpt. Annu. Mtg.* 34:52-55. 1963. 420 F663  
Includes fish, insects, and phytoplankton.
- 94000 PENZES, B. Normal feeding of animals of the terrarium. (Hu) *Buvar* 9(2):114-116. Mar./Apr. 1964. 410 B98  
Includes insects as feed.
- 94001 PEST control with use of natural control forces. (Ge) *Grune* 92(26):805-830. June 26, 1964. 17 Sch9  
Papers at the winter conference of the Pflanzenbau-Kommission of the Schweizerischer Landwirtschaftlicher Verein, January 30, 1964; introduction by T. Schwendemann.
- 94002 PEST Control's 1964, [seventh annual] equipment directory. *Pest Control* 32(5):36, 38, 40, 42, 44, 46, 48, 50-51, 54-55, 58, 60-62, 64, 66-68, 70, 72, 74, 76-80. May 1964. 449.8 Ex8
- 94003 PETROVSKII, V. V. Increasing the stability of acaricides and prolongation of their activity by polymeric materials. (Rus) *Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy* 28:291-299. 1963. 41.9 R923  
French summary.
- 94004 PILAT, L. The toxicity of organophosphorus insecticides. 5 p. *Transl.* 13908  
To man.  
Translation from Muncitorul Sanitar Feb. 8, 1964:3.
- 94005 PILLAI, M. K. K., and BROWN, A. W. A. Deutero-DDT and antiresistant-DDT as counter-measures for DDT-resistance in *Aedes aegypti*. *N. J. Mosquito Extermin. Assoc. Proc.*, 50th Annu. Mtg.:235-240. 1963. 420 N46
- 94006 POLCIK, B., NOWOSIELSKI, J. W., and NAEGELE, J. A. Daily sensitivity rhythm of the two-spotted spider mite, *Tetranychus urticae*, to DDVP. *Science* 145(3630):405-406. Ref. July 24, 1964. 470 Sci2
- 94007 POLOZ, D. D., and POLETSKII, V. A. Diagnosis of poisoning of poultry with organic phosphorus insecticides. (Rus) *Ptitsevodstvo* 1:35. Jan. 1964. 47.8 P95
- 94008 QUIVORON, C., and NEEL, J. Dipolar momenta of hexachloro-1,2,3,4,5,6 cyclohexanes. (Fr) *J. de Chim. Phys. et de Phys.-Chim. Biol.* 61(4):554-571. Ref. Apr. 1964. 383 J82
- 94009 RACHOU, R. G., and others. Experiences with the Excito-Repellency Test Box—Model OPS. *N. J. Mosquito Extermin. Assoc. Proc.*, 50th Annu. Mtg.:442-447. 1963. 420 N46  
M. Moura-Lima, J. P. Duret, and J. A. Kerr, joint authors.  
For observations of mosquito habits and behavior, tested with *Anopheles albimanus* and *A. pseudopunctipennis* using DDT, and includes resistance to DDT.
- 94010 RAMOS, V. P. The method of sterilized male insects in pest control. (Por) *Gaz. do Agr.* 16(177):47-53. (Cont.) Feb. 1964. 24 G25
- 94011 REUNION MEXICO-ESTADOS UNIDOS PARA EL CONTROL DE PLAGAS DE LAS PLANTAS, 10, COYOACAN, 1962. *Trabajos [Works]. Fitolito* 16(38), 52 p. Apr./June 1963. 421 F55  
Chiefly insect pest control.
- 94012 RILEY, R. C., SUTHERLAND, D. J., and SIMPSON, J. H. Augur metering device accurate. *N. J. Agr.* 46(3):11. May/June 1964. 275.28 N46  
Granular insecticide applicator.
- 94013 RISCO, S. Biological control. (Sp) *Vida Agr. [Lima]* 41(482):1-5, 7, 9, 11-13. Ref. Jan. 1964. 9.8 V66  
Insects as plant pests.
- 94014 ROEHRICH, R. A comparative study of the sensitivity of three Lepidoptera (Tortricidae) to commercial preparations of *Bacillus thuringiensis* Berliner. *J. Insect Path.* 6(2):186-197. Ref. June 1964. 421 J826  
*Laspeyresia pomonella*, *Grapholitha molesta* and *Lobesia botrana*.
- 94015 RUBER, E. The effects of certain mosquito larvicides on microcrustacean populations. *N. J. Mosquito Extermin. Assoc. Proc.*, 50th Annu. Mtg.:256-262. 1963. 420 N46  
Tests with Endrin and Baytex on aquatic forms.
- 94016 SCHONBERG, J., and MENDOZA B., A. Stability of insecticides in the presence of fertilizers and their translocation by the plant. (Sp) *Soc. Quim. del Peru. B.* 29(4):159-168. Ref. Dec. 1963. 385 So15
- 94017 SHEPHERD, D. R. Cooperative Federal-State control programs and wildlife relationships. *N. J. Mosquito Extermin. Assoc. Proc.*, 50th Annu. Mtg.:30-39. 1963. 420 N46  
Plant pest control and wildlife poisoning by economic poisons.
- 94018 SIECKE, W. Pest control more essential than ever. *Chem. Indus. Internatl.* 1:25-28. Mar. 1964. 384 C4222Ae  
Chiefly on outlook for the insecticide industry.
- 94019 SMITH, W. W., and YEARIAN, W. C. Studies of behavioristic insecticide resistance in houseflies. *Kans. Ent. Soc. J.* 37(1):63-77. Ref. Jan. 1964. 420 K13
- 94020 SPAWN, G. B. Insect control. *Internatl. Seminar Soil & Water Util. Proc.* 1962:167-170. 56.9 In86
- 94021 SPENCER, G. J. Control of pests in insect and herbarium cabinets. *Ent. Soc. Brit. Columbia. Proc.* 60:23-26. 1963. 420 B77  
Museum insects.
- 94022 SRINIVASAN, S. R., and KAPUR, S. L. Modification of lac. *Indian J. Technol.* 2(2):71-72. Feb. 1964. 475 In22
- 94023 SUTHERLAND, D. J., and HAGMANN, L. E. Larval resistance studies in New Jersey—1962. *N. J. Mosquito Extermin. Assoc. Proc.*, 50th Annu. Mtg.:297-302. Ref. 1963. 420 N46
- 94024 TEOTIA, T. P. S., and MAJUMDAR, N. Some observations on and practical suggestions for forecast of larval emergence in lac insect. *Indian Forester* 90(5):295-309. May 1964. 99.8 In2

- 94025 THOMSON, G., ed. Recent advances in conservation; contributions to the IIC Rome conference, 1961. London, Butterworths, 1963. 224 p. Ref. 317.9 T36  
Contains papers on insect control and fiber properties delivered at the conference of the Internal Institute for Conservation of Historic and Artistic Works.
- 94026 TZANAKAKIS, M. E. Diapause and the control of insects. Span 7(1):28-32. 1964. 464.8 Sp2
- 94027 VOL'FSON, L. G. Manufacture and uses of the most important chlorine-containing modern insecticides. 14 p. Ref. Transl. 13978  
Translation from Vsesoyuznoe Khimicheskoe Obshchestvo im. D. I. Mendeleeva. Zhurnal 5 (3):260-267. 1960.
- 94028 WHELLAN, J. A. Some Rhodesian pests of entomological interest. Span 7(1):25-27. 1964. 464.8 Sp2
- 94029 WILLIAMSON, G. D. Summary of parasite and predator liberations in Canada and of insect shipments from Canada in 1963. Canad. Insect Pest Rev. 41(7):137-151. 1963. 423.92 C16C  
Against insects and weeds.
- 94030 WOO, C. S. Photo-electro-colorimetric studies on the stability of malathion in dust concentrate. (Ch) Taiwan Sugar Expt. Sta. Rpt. 34: 119-134. Ref. Feb. 1964. 65.9 F76R  
English summary.
- 94031 WORLD HEALTH ORGANIZATION. Bibliography on pesticides toxicity and accidental poisoning. World Health Organ. WHO/Vector Control 50, 3 p. Aug. 29, 1963. 423.92 W89  
Insecticides, chiefly.
- 94032 WRIGHT, R. H. Chemical control of chosen insects; small quantities of harmless chemicals distributed over agricultural land may "swamp" the sexual signals characteristic of a single species of insect pest, so that male and female will fail to rendezvous. New Sci. 20 (368):598-600. Dec. 5, 1963. 472 N42
- 94033 YAROSHENKO, M. F., and SPASSKII, A. A. Control of agricultural pests. 5 p. Transl. 13907  
Work of the Institut Zoologii of the Akademiya Nauk Moldavskoi SSR.  
Translation from Priroda [Moscow] 12:75-79. 1963.
- 94034 ZUK, P., and DRAKE, R. J. A live giant African snail [Achatina fulica] intercepted in Vancouver, 1963. Ent. Soc. Brit. Columbia. Proc. 60:21. 1963. 420 B77
- 94035 ZWEIG, G., ed. Analytical methods for pesticides, plant growth regulators, and food additives, Volume 2, insecticides. N. Y., Acad. Press, 1964. 619 p. 395 Z9  
T. E. Archer, G. H. Batchelder, A. Benvenue, T. G. Bowery, C. C. Cassil, M. L. Cluett, C. L. Dunn, P. A. Giang, C. F. Gordon, J. R. Graham, L. D. Haines, G. K. Kohn, M. J. Kolbezen, J. R. Lane, W. K. Lowen, D. B. McClellan, D. MacDougall, A. Margot, R. P. Marquardt, J. J. Menn, R. Miskus, J. N. Ospenson, D. E. Pack, G. G. Patchett, H. L. Pease, P. E. Porter, R. J. Schuckert, K. Stambach, H. A. Stansbury, Y. P. Sun, G. L. Sutherland, L. C. Terriere, J. J. Velenovsky, W. L. Winterlin and J. Yaffe, contributors.
- Medical and Veterinary Pests**
- 94036 ABEL, M. A practical study of *Gastrophilus intestinalis*. Sowest. Vet. 17(1):25-28. Ref. Fall 1963. 41.8 So82  
Includes control in horse with various insecticides and Parvex.
- 94037 ADAMS, C. T. The Special Aerial Spray Flight. Fla. Anti-Mosquito Assoc. Rpt. Annu. Mtg. 34: 45-48. 1963. 420 F663  
U. S. Air Force organization to provide aerial insecticide dispersal services for the Department of Defense and other governmental agencies in continental United States.
- 94038 AGANO, M. The effects of malathion on poultry. (Ja) Keiyu 4:66-72. Apr. 1964. 47.8 K26
- 94039 AKESSON, N. B., and EL AWADY, M. N. Summary of air carrier experiments with high-efficiency fans. Calif. Mosquito Control Assoc. Proc. & Papers, 31st Annu. Conf.:72-74. Dec. 11, 1963. 428 C763  
Mosquito control equipment.
- 94040 ALEKSEEV, A. N. The toxicity of certain organophosphorus insecticides for blood-sucking black flies (Diptera, Simuliidae). (Rus) Med. Parazitol. i Parazitarnye Bolezni 32(5):546-548. Sept./Oct. 1963. 448.8 M469  
English summary.
- 94041 ANDERSEN, D. M., and REES, D. M. A report of the first year study on development of techniques for multipurpose management of reusable water. Utah Mosquito Abatement Assoc. Proc., 16th Annu. Mtg.:29-30. 1963. 420 Ut1  
Waste water in mosquito and waterfowl production.
- 94042 AOKI, J. I. Investigations on the zoonoses of the Oribatei from Nikko in relation to plant cover. III. (Ja) Jap. J. Ecol. 13(3):96-104. Ref. June 1963. 410 J272  
German summary.
- 94043 ARESTOV, I. G. The effect of chlorophos on swine with mange. (Rus) Veterinariya 3:49-50. Mar. 1964. 41.8 V6426
- 94044 ARTHUR, D. R., ed. Aspects of disease transmission by ticks; proceedings of a symposium held at the Zoological Society of London, 1961. London, 1962. 258 p., map. Ref. (London) Zoological Society. Symposia. No. 6) 434 Ar7A
- 94045 ATWOOD, H. B. The private life of public relations. Calif. Mosquito Control Assoc. Proc. & Papers, 31st Annu. Conf.:10-14. Dec. 11, 1963. 428 C763  
In mosquito control.
- 94046 BALTAZARD, M., and others. On the resistance to plague in certain species of wild rodents. I-IV. (Fr) Soc. de Path. Exot. B. 56(6): 1102-1128, 1194-1201. Ref. Nov./Dec. 1963. 448.9 So13  
M. Bahmanyar, B. Seydian, R. Pournaki, M. Chamsa, P. Mostachfi, Y. Karimi, and M. Eftekhari, joint authors.  
English summaries.  
Includes *Xenopsylla buxtoni* and *X. cheopis*.
- 94047 BALTAZARD, M. Seance speciale consacree a la memoire de Georges Blanc; etude de l'epidemiologie de la peste dans le Kurdistan iranien [Special meeting dedicated to the memory of Georges Blanc; study of the epidemiology of plague in Iranian Kurdistan]. Soc. de Path. Exot. B. 56(6):1099-1246. Ref. Nov./Dec. 1963. 448.9 So13  
Introduction by M. Baltazard.  
Includes flea vectors.  
Includes discussion by M. G. Girard.
- 94048 BALTAZARD, M., CHAMSA, M., and KARIMI, Y. Systematic study of a "mesofocus" of wild plague in Iranian Kurdistan. I-IV. (Fr) Soc. de Path. Exot. B. 56(6):1129-1168. Ref. Nov./Dec. 1963. 448.9 So13  
English summaries.  
Includes fleas and rodents.
- 94049 BAST, T. F., and REHN, J. W. H. Vertical distribution of mosquitoes as indicated by light trap collections in two environments. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:219-229, map. Ref. 1963. 420 N46
- 94050 BAY, E. C., and LEGNER, E. F. The prospect for the biological control of *Hippelates collusor* (Townsend) in Southern California. Calif. Mosquito Control Assoc. Proc. & Papers, 31st Annu. Conf.:76-79. Ref. Dec. 11, 1963. 428 C763
- 94051 BEADLE, L. D. The mosquitoes of Isle Royale, Michigan. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:133-139. 1963. 420 N46  
Surveys and proposed chemical control program.
- 94052 BECKSTEAD, H. The duties of a trustee of a mosquito abatement district. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:307-310. 1963. 420 N46  
Utah.  
Includes discussion.



- 94053 BERTRAM, D. S. Rickettsial infections and ticks. In Authur, D. R., ed. Aspects of disease transmission by ticks, p.179-197. Ref. 1962. 434 Ar7A  
In wildlife, livestock, and man; discussion p.252-256.
- 94054 BITYUKOV, P. A. Application of chlorophos for simultaneous control of blood-sucking arthropods and northern cattle grub. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28: 286-290. 1963. 41.9 R923  
French summary.  
Hypoderma bovis.
- 94055 BOCK, O. M. Gloucester County growing pains. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:149-151. 1963. 420 N46  
Gloucester County Mosquito Extermination Association.
- 94056 BOLTON, E. C. Communication as an aspect of education. Calif. Mosquito Control Assoc. Proc. & Papers, 31st Annu. Conf.:14-16. Dec.11,1963. 428 C763  
Mosquito control.
- 94057 BOUVIER, G. The fight against cattle grub by transcutaneous method. (Fr) Schweiz. Arch. f. Tierheilk. 106(6):339-345. June 1964. 41.8 Sch9  
English summary.  
Hypoderma bovis with Ruelene.
- 94058 BRACHA, P. Problems encountered in southern Nigeria in the determination of ventilation in mud huts in which residual fumigants are applied. World Health Organ. B. 30(2):285-291. 1964. 449.9 W892B  
Dichlorovos in mosquito control.
- 94059 BRITISH COLUMBIA DEPT. OF AGRICULTURE. Mosquito control. Brit. Columbia. Dept. Agr. Ent. C. 18, rev., 7 p. Mar. 1964. 423.92 B773  
Most important species Aedes; chemical control.
- 94060 BROGDON, J. E., SWANSON, L. E., and PLUMMER, C. B. Control of external parasites of livestock in Florida. Fla. U. Agr. Ext. C. 206A, 15 p. June 1964. 275.F66C  
Use of insecticides.
- 94061 BROOKS, G. D., and others. Field evaluation of three types of DDVP dispensers for the control of *Culex pipiens quinquefasciatus* Say in catch basins. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:355-363. 1963. 420 N46  
C. M. Elmore, H. F. Schoof, and G. T. Carmichael, joint authors.
- 94062 BRUCE-CHWATT, L. J. Malaria at the Rio congresses 1963; a review of papers on malaria presented at the Seventh International Congresses of Tropical Medicine and Malaria, Rio de Janeiro, September 1963. World Health Organ. WHO/Vector Control 52, 112 p. Oct. 14, 1963. 423.92 W89  
Includes mosquito vectors.
- 94063 BRUCE-CHWATT, L. J. Towards malaria eradication. Span 7(1):10-14. 1964. 464.8 Sp2  
Control of mosquitoes by spraying.
- 94064 BURKE-GAFFNEY, H. J. O'D. Summary of recent abstracts. VI. Plague. Trop. Dis. B. 61 (7):633-639. July 1964. 448.8 T752  
Includes arthropod transmission.
- 94065 CALIFORNIA MOSQUITO CONTROL ASSOCIATION. Proceedings and papers of the thirty-first annual conference, Santa Barbara, California, January 28-30, 1963. Oakland, 1963. 108 p., map. Ref. 428 C763
- 94066 CAMIN, J. H., and others. Control of the snake mite, *Ophionyssus natricis* (Gervais), in captive reptile collections. Zoologica 49(2):65-79. Ref. Summer 1964. 410 Z722  
G. K. Clarke, L. H. Goodson, and H. R. Shuyler, joint authors.  
Chemical control.
- 94067 CARMICHAEL, G. T. Summary of data on aerial dispersal equipment; granular dispersal. Fla. Anti-Mosquito Assoc. Rpt. Annu. Mtg. 34: 43. 1963. 420 F663  
Mosquito control.
- 94068 CERNY, L. To the problem of Haemosporidia in Czechoslovakia. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:98-101. Ref. 1963. 41.9 R923  
French summary.  
Of livestock, ticks as vectors.
- 94069 CHAMBERLAIN, R. W. Transmission of St. Louis encephalitis, with special reference to *Culex nigripalpus* Theobald. Fla. Anti-Mosquito Assoc. Rpt. Annu. Mtg. 34:31-34. 1963. 420 F663
- 94070 CHAMBERLAIN, R. W., and others. Venezuelan equine encephalitis virus from south Florida. Science 145(3629):272-274. July 17, 1964. 470 Sci2  
W. D. Sudia, P. H. Coleman, T. H. Work, joint authors.  
Isolated from *Culex*.
- 94071 CHANG, J. T. P., TSAO, T. P., and CHIANG, Y. C. Studies on insect chemosterilants. I. Screen tests of 35 chemicals as insect [Musca domestica vicina] chemosterilants. (Ch) Acta Ent. Sinica 12(3/4):394-401. July/Sept. 1963. 421 K96  
English summary.
- 94072 CHAPMAN, H. L., and HAINES, C. E. Parasite survey responses by cattlemen presented. Fla. Cattleman & Livestock J. 28(10):84,86. July 1964. 43.8 F66  
Regarding control measures of external parasites, chiefly.
- 94073 COLLETT, G. C. Source reduction in Utah. Utah Mosquito Abatement Assoc. Proc., 16th Annu. Mtg.:3-5. 1963. 420 U1  
Elimination of breeding places by correct drainage.
- 94074 CONFERENCE ON GENETICS. 3, PRINCETON, N. J., 1961. Genetic selection in man. Ann Arbor, U. Mich. Press, 1963. 355 p., map. Ref. 443.9 C767G  
Includes mosquitoes as vectors of disease.
- 94075 CRANS, W. J. Renewed interest in dog heart-worm [Dirofilaria immitis] a mosquito-borne disease in New Jersey. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:286-289. 1963. 420 N46  
Mosquito-transmitted; *Aedes sollicitans* most prevalent species on coastal plain, and hence a suspected New Jersey vector.
- 94076 CRYSTAL, M. M. Sexual sterilization of screw-worm flies [*Cochliomyia hominivorax* and *C. macellaria*] by the biological alkylating agents, tretamine and thiotepa. Expt. Parasitol. 15(3):249-259. Ref. June 1964. 436.8 Ex7
- 94077 CULLEN, J. R., and ZULUETA, J. DE. Observations on the effect of residual insecticides in experimental huts in Masaka District, Uganda. World Health Organ. B. 30(2):263-278. Ref. 1964. 449.9 W892B  
*Anopheles gambiae* and *Mansonia uniformis*.
- 94078 CURTIS, L. C. Mosquito production in sewage lagoons. Ent. Soc. Brit. Columbia. Proc. 60: 22-23. 1963. 420 B77  
*Culex tarsalis* in Kamloops.
- 94079 DILLISTIN, W. H. Objectives of the State Mosquito Control Commission. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:11-13. 1963. 420 N46  
New Jersey.
- 94080 DUBININ, V. B. Mange mites (Acariformes, Sarcoptoidea) and mange diseases of wild mammals. 19 p. Ref. Transl. 13964  
Translation from Zoologicheskii Zhurnal 34 (6):1189-1202. 1955.
- 94081 D'YAKONOV, L. P. Tests on transmission of *Anaplasma ovis* by ticks, *Hyalomma plumbeum* Panz., 1795, and by *Rhipicephalus bursa* Can. et Fanz., 1877. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:192-200. Ref. 1963. 41.9 R923  
French summary.  
Sheep.
- 94082 EICHLER, W. Aspects of the injurious effect of insects on human health, with special regard to Pharaoh's ant [*Monomorium pharaonis*]. (Ge) Berlin. Humboldt-U. Wiss. Z. Math. Natwiss. Reihe 13(1):113-118. Ref. 1964. 509 B453  
English summary.  
Found in hospitals.

- 94083 ENGLE, A. J. Requirements for annexation to mosquito abatement districts by new subdivisions. Calif. Mosquito Control Assoc. Proc. & Papers, 31st Annu. Conf.:60-61. Dec.11,1963. 428 C763
- 94084 ENOS, E. E. Should a mosquito abatement district be involved in insect control other than mosquitoes? Calif. Mosquito Control Assoc. Proc. & Papers, 31st Annu. Conf.:59-60. Dec.11,1963. 428 C763
- 94085 ESIKOV, V. I. Haemosporidia of cattle and its control in southern Kirghizia. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:68-76, map. Ref. 1963. 41.9 R923  
French summary.  
Ticks as vectors.
- 94086 FERRIGNO, F. Comparative toxicity of certain larvicidal applications on diked salt hay marshes. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:263-277, map. 1963. 420 N46  
Endrin, Bayer 29493 and DDT to mosquitoes and aquatic fauna.
- 94087 FINELLE, P., LAURENT, J., and RAYNAUD, J. P. Supplementary note on control measures against *Glossina fuscipes* in the Central African Republic. (Fr) Rev. d'Elevage et de Med. Vet. des Pays Trop. (n.s.)16(4):417-418, map. 1963. 41.8 R3262  
English summary.  
Dieldrin.
- 94088 FLOOD, MRS. D. I. Cooperation. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:40-42. 1963. 420 N46  
Mosquito control in New Jersey.
- 94089 FLORIDA ANTI-MOSQUITO ASSOCIATION. Report of the thirty-fourth annual meeting, Jacksonville, Florida, May 5, 6, 7 & 8, 1963. n.p., 1963. 231 p. Ref. 420 F663  
Includes annual reports of counties.
- 94090 FOGGIE, A. Studies on tick pyaemia and tick-borne fever. In Authur, D. R., ed. Aspects of disease transmission by ticks, p.51-58. Ref. 1962. 434 Ar7A  
Of livestock; discussion p.58-60.
- 94091 FOSTER, R. Contributions to the epidemiology of human sleeping sickness in Liberia; bionomics of the vector *Glossina palpalis* R-D, 1830, in a savannah habitat in a focus of the disease. Roy. Soc. Trop. Med. & Hyg. Trans. 57(6):465-475, map. Nov.1963. 448.9 R813
- 94092 FRENCH, F. E., RAUN, E. S., and BAKER, D. L. Transmission of *Demodex canis* Leydig to pups. Iowa State J. Sci. 38(3):291-298. Ref. Feb.15,1964. 470 Io9
- 94093 FUGE, R. G. Lice—parasites of poultry. So. Austral. J. Agr. 67(8):270-271. Mar.1964. 23 So84
- 94094 FULTON, D. How to work with news media. Fla. Anti-Mosquito Assoc. Rpt. Annu. Mtg. 34:44. 1963. 420 F663  
Mosquito control.
- 94095 FUNDER, J. V. The blowfly pest on fur farms. (Da) Dansk Pelsdyravl 27(5):282-283, 285-287. May 20, 1964. 412.628 D23
- 94096 GAIDAMOVICH, S. YA., TSIRKIN, YU. M. Improved laboratory diagnosis of tick-borne spring-summer encephalitis. I-II. Acta Virolologica 8(3):243-253. Ref. May 1964. 448.3 Ac85  
From *Ixodes persulcatus*; in the Krasnoyarsk region.
- 94097 GANIEV, I. M. Ixodid fauna of southern Dagestan in relation to epizootiology of Haemosporidia of domestic animals. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:77-85. 1963. 41.9 R923  
French summary.
- 94098 GARDINER, B. Men, machines and health education methods. Fla. Anti-Mosquito Assoc. Rpt. Annu. Mtg. 34:58-61. 1963. 420 F663  
In mosquito control.
- 94099 GARRETT-JONES, C. The human blood index of malaria vectors in relation to epidemiological assessment. World Health Organ. B. 30(2):241-261. Ref. 1964. 449.9 W892B
- 94100 GEORGESCU, L. Haemosporidia of domestic animals in Rumania. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:102-108. 1963. 41.9 R923  
French summary.  
Ticks as vectors.
- 94101 GEORGHIU, G. P. The influence of variable volumes of acetone solvent on the toxicity of insecticides to mosquito larvae. World Health Organ. WHO/Vector Control 53,6 p. Oct.28, 1963. 423.92 W89  
*Culex pipiens quinquefasciatus*.
- 94102 GEORGIEV, B., and BRYAGOV, S. A study on gastrophilic invasion among solidungular animals. (Bu) Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:213-220. 1963. 41.9 So2  
English summary.  
Various spp. of *Gasterophilus* infesting horses, mules and donkeys.
- 94103 GIBBS, R. L. For healthier layers control lice and mites. Poultry Tribune 70(6):27,30,32. June 1964. 47.8 P8642
- 94104 GIBSON, J. S. Public relations—an important step in mosquito control. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:311-314. 1963. 420 N46
- 94105 GIROUD, P. Fevers transmitted by ticks and considered as caused by the Ehrlichia group are actually caused by the purple rash group and the psittacosis group (of *Neorickettsia*) evolving on various hosts. (Fr) Acad. des Sci. Compt. Rend. 258(24):6027-6029. June 15, 1964. 505 P21  
Rickettsial diseases of cattle and other livestock and the tick vectors.
- 94106 GLASGOW, J. P. The distribution and abundance of tsetse. New York, Macmillan, 1963. 241 p., map. Ref. International Series of Monographs on Pure and Applied Biology. Division: Zoology, v.20 428 G46  
*Glossina*, including transmission of Trypanosomiasis.
- 94107 GORDON, W. S., and others. The epizootiology of louping-ill and tick-borne fever with observations on the control of these sheep diseases. In Authur, D. R., ed. Aspects of disease transmission by ticks, p.1-27. Ref. 1962. 434 Ar7A  
A. Brownlee, D. R. Wilson, and J. Macleod, joint authors.  
Transmitted by *Ixodes ricinus*; discussion p.58-60.
- 94108 GRAHAM, J. E. Evaluation of mosquito control programs in Utah. Utah Mosquito Abatement Assoc. Proc., 16th Annu. Mtg.:5-8. 1963. 420 Ut1
- 94109 GRAHAM, J. E., and BRADLEY, I. E. Preliminary studies of the effects of organic pollution on mosquito larval populations in Salt Lake County, Utah. Calif. Mosquito Control Assoc. Proc. & Papers, 31st Annu. Conf.:71-72. Dec.11,1963. 428 C763
- 94110 GRAHAM, J. E. Research and training programs related to mosquito control in the Rocky Mountain Region. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:120-124. 1963. 420 N46
- 94111 GRASCENKOV, N. I. Japanese encephalitis in the USSR. World Health Organ. B. 30(2):161-172. Ref. 1964. 449.9 W892B  
Includes mosquito vectors.
- 94112 GRASCENKOV, N. I. Tick-borne encephalitis in the USSR. World Health Organ. B. 30(2):187-196. Ref. 1964. 449.9 W892B  
Includes vectors.
- 94113 GREBELSKII, S. G. Black-fly control at the construction site of the Bratsk Hydro-Electric Power Station. (Rus) Med. Parazitol. i Parazitarnye Bolezni 32(5):534-539. Ref. Sept./Oct.1963. 448.8 M469  
English summary.  
Aerosol control of *Gnus cholodkovskii* Rubz.
- 94114 GREGSON, J. D. The decline of the Pacific tick (*Ixodes pacificus* Cooley and Kohls) at West Vancouver. Ent. Soc. Brit. Columbia. Proc. 60:50-51. 1963. 420 B77  
Pest of man, dogs, and cats in urban areas.



- 94115 GRIFFITHS, R. B. Leucocytozoon caulleryi infection; a note on recent outbreaks in the Far East. World's Poultry Sci. J. 20(1):41-42. Jan./Mar.1964. 47.8 W89  
Transmitted by Culicoides arakawae.
- 94116 GROBOV, O. F. Role of the tick, Rhipicephalus bursa Can. et Fanz., 1877, in the transmission of anaplasmosis of cattle. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:201-208. Ref. 1963. 41.9 R923  
French summary.
- 94117 GUATTROCHI, L. P. Baytex triumphs over flies and mosquitoes. (Sp) Vida Agr. [Lima] 41 (482):33,35-37,39,41-42. Jan.1964. 9.8 V66
- 94118 GULYAS, M. SZ. Modern fly control. (Hu) Elovilag 9(3):33-38. May/June 1964. 410 EL6  
With baits and various insecticides.
- 94119 HAGMANN, L. E. Past achievements, current activities and contributions, and a view to the future on research on and control of mosquitoes in New Jersey. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:108-111. 1963. 420 N46  
Malaria control and chemical control, chiefly.
- 94120 HAGMANN, L. E., and JOBBINS, D. M. The story of the mosquito and its control. N. J. Agr. Expt. Sta. C. 585-A, 16 p. June 1964. 100 N46S  
Includes biology, and use of insecticides.
- 94121 HALL, D. The West Lafayette mosquito control program. Ind. Acad. Sci. Proc. 72:169-170. 1962, pub.1963. 500 In2
- 94122 HALL, D. G. How mosquito control can be furthered by public information and education. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:212-214. 1963. 420 N46
- 94123 HAMON, J., SALES, S., and EYRAUD, M. Biological assay of DDT deposits in habitations in the region of Bobo-Dioulasso, Republic of Upper Volta. World Health Organ. WHO/Vector Control 47,54 p. July 29,1963. 423.92 W89  
Aedes aegypti.
- 94124 HEAL, R. E. Relations between pest control operators and mosquito control agencies. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:210-212. 1963. 420 N46  
Policies.
- 94125 HELM, R. W., and others. Water management, corner-stone of New Jersey mosquito control. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:129-132. 1963. 420 N46  
W. Taylor, W. D. Henderson, and V. Conant, joint authors.  
Elimination of breeding places by drainage and filling of marshes.
- 94126 HIEPE, T., EBNER, D., and ZIEMER, W. Studies on the externally administered carbamate-compound NMC50 and the phosphonic acid ester, trichlorophosphon in the control of swine lice (Haematopinus suis, Linne 1758) under practice conditions. (Ge) Monh. f. Vetmed. 19(9): 334-339. Ref. May 1,1964. 41.8 M742
- 94127 HOFFMAN, R. A., and MCDUFFIE, W. C. The 1962 Gulf Coast mosquito problem and the associated losses in livestock. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:421-424, map. 1963. 420 N46  
Aedes sollicitans and cost of cattle losses in Texas.
- 94128 HUNT, P. J. Use of the Piper "Pawnee" model PA-25-235 agricultural type aircraft in the East Volusia Mosquito Control District. Fla. Anti-Mosquito Assoc. Rpt. Annu. Mtg. 34:35-37. 1963. 420 F663
- 94129 IMANOV, E. D. Characteristic of natural foci of Q fever of livestock in some districts of Kirghizia. (Rus) Akad. Nauk Kirgizskoi SSR. Izv. Ser. Biol. Nauk 4(5):53-64. Ref. 1962. 442.9 Ak123  
Ticks as vectors.
- 94130 INCHO, H. H., and ODENEAL, J. F. A study of two new synergists for pyrethrins, allethrin. Pyrethrum Post 7(2):37-43. Ref. Oct.1963. 421 P99  
4-(3,4-Methylenedioxy-6-propylphenyl)-5-methyl-1,3-dioxane (Safroxane), and S421 compared with other synergists in tests with Musca domestica.
- 94131 IRVIN, R. J. Participation is the keynote. Calif. Mosquito Control Assoc. Proc. & Papers, 31st Annu. Conf.:18-20. Dec.11,1963. 428 C763  
Mosquito control public relations.
- 94132 JENSEN, W. I. Populations of aquatic insects in relation to botulism at the Bear River Bird Refuge, Boxelder County, Utah. Utah Mosquito Abatement Assoc. Proc., 16th Annu. Mtg.:13-14. 1963. 420 Ut1  
Clostridium botulinum producing botulism in birds.
- 94133 JOBBINS, D. M. Mosquito investigations in New Jersey—1962. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:429-430. 1963. 420 N46  
Control policies and programs.
- 94134 KANDLE, R. P. A look at arbovirus research activities in New Jersey. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:16-21. 1963. 420 N46  
Transmission of equine encephalomyelitis by mosquitoes.  
Includes discussion.
- 94135 KAYE, H. D. L. Human botfly [Dermatobia hominis] infestation in the United States. JAMA 189(1):64. July 6,1964. 448.9 Am37  
Florida.
- 94136 KHEISIN, E. M. On the position of piroplasms in the protozoan system. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:40-50. Ref. 1963. 41.9 R923  
French summary.  
Ixodidae as carriers.
- 94137 KLIMOV, I. A. About malaria in Yemen. (Rus) Med. Parazitol. i Parazitarnye Bolezni 32(5):617-618. Sept./Oct.1963. 448.8 M469  
English summary.  
Includes Anopheles adenensis as chief vector.
- 94138 KORNIENKO-KONEVA, Z. P., CHARYEV, O. CH., and DURDYNAZAROV, G. A case of Haemosporidia of sheep in desert zone of Turkmenistan. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:246-248. 1963. 41.9 R923  
French summary.  
Ticks as vectors.
- 94139 KOZUCH, O., and NOSEK, J. Alimentary infection of the hedgehog with tick-borne encephalitis (TE) virus. Acta Virologica 8(3):284. May 1964. 448.3 Ac85  
Ixodes ricinus.
- 94140 LAPTEV, V. I. Data on the study of development of Theileria sergenti Yakimoff et Dekhtereff, 1930, in ticks. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:124-128. 1963. 41.9 R923  
French summary.  
With reference to theileria.
- 94141 LEE, R. M. Cost of aerial fogging for mosquito control, Brevard Mosquito Control District, Brevard County, Florida 1962. Fla. Anti-Mosquito Assoc. Rpt. Annu. Mtg. 34:71-74. 1963. 420 F663
- 94142 LESLIE, J. B. Highlights in the fifty years of the New Jersey Mosquito Extermination Association. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:21-30. 1963. 420 N46
- 94143 LESLIE, J. B. Our fiftieth—a tale of fifty years of anti-mosquito activities in New Jersey. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:430-441. 1963. 420 N46
- 94144 LINAM, J. H., and NIELSEN, L. T. Utah mosquitoes—their published history. Utah Mosquito Abatement Assoc. Proc., 16th Annu. Mtg.: 16-23. 1963. 420 Ut1  
Bibliography.
- 94145 LIU, W. T., and LIU, C. F. Studies on the susceptibility of Culex pipiens pallens Coq. larvae of different ages to DDT, gamma-BHC and dieldrin. (Ch) Acta Ent. Sinica 12(3/4):276-281. Ref. July/Sept.1963. 421 K96  
English summary.
- 94146 LOVE, G. J., and FRANCY, D. B. Summary of activities of the encephalitis section during 1962. Utah Mosquito Abatement Assoc. Proc., 16th Annu. Mtg.:8-11. 1963. 420 Ut1  
Culex tarsalis as vector of virus.

- 94147 MACADAM, I. The effects of ectoparasites and humidity on natural lesions of streptothricosis. *Vet. Rec.* 76(12):354. Mar.21,1964. 41.8 V641  
Arthropods as vectors on cattle.
- 94148 MCCREA, C. T. The recovery of the forage mite (*Acarus siro*) from sheep livers. *Vet. Rec.* 76(24):670. June 13,1964. 41.8 V641
- 94149 MCDUFFIE, W. C. Research on mosquito control by the USDA—past, present and future. *N. J. Mosquito Extermin. Assoc. Proc.*, 50th Annu. Mtg.:112-120. 1963. 420 N46  
Includes insecticides.
- 94150 MACIVER, D. R. Mosquito coils. I. General description of coils, their formulation and manufacture. *Pyrethrum Post* 7(2):22-27. Oct. 1963. 421 P99  
Pyrethrins smoke-producing equipment.
- 94151 MACLEOD, J. Ticks and disease in domestic stock in Great Britain. In Authur, D. R., ed. *Aspects of disease transmission by ticks*, p.29-50, map. Ref. 1962. 434 Ar7A  
Piroplasmosis, tick fever, and louping ill; discussion p.58-60.
- 94152 MALLARS, J. The value of premises surveys in a mosquito abatement program. *Calif. Mosquito Control Assoc. Proc. & Papers*, 31st Annu. Conf.:56. Dec.11,1963. 428 C763
- 94153 MAMIKONYAN, M. M. Haemosporidia of domestic animals in Armenian SSR and its control. (Rus) *Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy* 28:62-67. 1963. 41.9 R923  
French summary.  
Ticks as vectors.
- 94154 MARTINEZ-PALACIOS, A., and PLETSCH, D. J. Highlights of mosquito investigation and control in Mexico: past, present and future. *N. J. Mosquito Extermin. Assoc. Proc.*, 50th Annu. Mtg.:72-80. Ref. 1963. 420 N46  
Chemical control and mosquito transmission of malaria and yellow fever included.
- 94155 MATIKASHVILI, N. V. Epizootiology of theileriasis of cattle in Georgian SSR. (Rus) *Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy* 28:109-117. Ref. 1963. 41.9 R923  
French summary.  
Ticks as vectors.
- 94156 MERDIVENCI, A. The occurrence of *Hypoderma lineatum* in cattle in Turkey. (Tu) *Ankara. U. Vet. Fakul. Dergisi* 10(2):206-212. Ref. 1963. 41.9 An4D  
English summary.
- 94157 MILES, J. A. R. Some ecological aspects of the problem of arthropod-borne animal viruses in the Western Pacific and South-East Asia regions. *World Health Organ. B.* 30(2):197-210, map. Ref. 1964. 449.9 W892B
- 94158 MILLER, R. L. Making and using a cattle back-rubber. *Ky. U. Agr. Ext. Misc.* 307,4 p. Feb. 1964. 275.29 K415M  
To control *Haematobia irritans*.
- 94159 MILLER, T. W. How much territory should a mosquito control district cover? *N. J. Mosquito Extermin. Assoc. Proc.*, 50th Annu. Mtg.:304-307. 1963. 420 N46  
Includes discussion.
- 94160 MILLER, T. W. What is your goal in mosquito control. *Fla. Anti-Mosquito Assoc. Rpt. Annu. Mtg.* 34:9-18. 1963. 420 F663
- 94161 MOFFATT, B. W. Stop the spread of stickfast flea. *EMB Bulletin* 3(10):38-39,41. Sept.1963. 280.38 Eg3  
Control of *Echidnophaga gallinacea* on poultry with DDT.
- 94162 MOLLARET, H. H., and others. Burrowing plague. (Fr) *Soc. de Path. Exot. B.* 56(6):1186-1193. Nov./Dec.1963. 448.9 So13  
Y. Karimi, M. Eftekhari, and M. Baltazard, joint authors.  
English summary.  
Experiments with transmission of plague to rodents from infected soils; tests with and without fleas.
- 94163 MULLA, M. S. Some physico-chemical factors influencing the performance of new granular mosquito larvicides. *Calif. Mosquito Control Assoc. Proc. & Papers*, 31st Annu. Conf.:94-98. Dec.11,1963. 428 C763
- 94164 MULRENNAN, J. A. Past achievements, current activities and contributions, and a view to the future on research and control of mosquitoes by the Florida State Board of Health. *N. J. Mosquito Extermin. Assoc. Proc.*, 50th Annu. Mtg.:53-59. 1963. 420 N46
- 94165 MULRENNAN, J. A. Where have we come from, and what lies ahead for mosquito control workers? *Fla. Anti-Mosquito Assoc. Rpt. Annu. Mtg.* 34:19-24. 1963. 420 F663
- 94166 MURRAY, W. S. The effect of apholate on the mosquito *Culex pipiens quinquefasciatus* Say. *Diss. Abs.* 24(12,pt.1):5625-5626. June 1964. 241.8 M58  
For sterilization.
- 94167 MYALO, I. I. Protection of cattle from deer and horse flies [Tabanidae] in Zeya-Bureya Plain. (Rus) *Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy* 28:279-285. 1963. 41.9 R923  
French summary.  
Polychloropine used.
- 94168 NEILSON, C. L., and RICH, G. B. Live-stock pests. *Brit. Columbia. Dept. Agr. Ent. C.* 2, rev., 10 p. June 1963. 423.92 B773  
Insecticide control.
- 94169 NEW JERSEY MOSQUITO EXTERMINATION ASSOCIATION. Proceedings, fiftieth annual meeting, New Jersey Mosquito Extermination Association and nineteenth annual meeting, American Mosquito Control Association, Atlantic City, New Jersey, March 12-15, 1963. n.p., 1963. 450 p., map. Ref. 420 N46
- 94170 NIELSEN, J. L. Inspection and ground spraying procedures. *Utah Mosquito Abatement Assoc. Proc.*, 16th Annu. Mtg.:2-3. 1963. 420 Ut1  
Parathion and DDT applied to breeding places.
- 94171 NORMAN, W. F. The value of written, comprehensive administrative policies to trustees and management of a mosquito abatement district. *Calif. Mosquito Control Assoc. Proc. & Papers*, 31st Annu. Conf.:57. Dec.11,1963. 428 C763
- 94172 NORRIS, K. R., and MURRAY, M. D. The screw-worm problem. *Austral. Vet. J.* 40(4):148-150. Apr.1964. 41.8 Au72  
*Chrysomya bezziana* causing myiasis of cattle.
- 94173 OGDEN, L. J., and MYKLEBUST, R. J. Field tests of residual insecticides for control of adult snow-water and flood-water mosquitoes around a waterside recreational area in Washington. *Utah Mosquito Abatement Assoc. Proc.*, 16th Annu. Mtg.:14-15. 1963. 420 Ut1  
DDT and BHC.
- 94174 OSIPYAN, V. T., and others. Comparative efficiency of hexamethylenebenzamide and acetyl tetrahydroxyquinoline as protective agents against fleas in humans. (Rus) *Med. Parazit. i Parazitarnye Bolezni* 32(5):551-553. Sept./Oct.1963. 448.8 M469  
M. K. Stepanov, B. S. Grabovskii, F. K. Smirnov, V. B. Kazhdan, L. K. Maslii, and I. D. Dunaeva, joint authors.  
English summary.
- 94175 PANEL: New concepts applicable to mosquito control. *Calif. Mosquito Control Assoc. Proc. & Papers*, 31st Annu. Conf.:21-27. Dec.11, 1963. 428 C763  
Moderator: R. F. Peters.  
Contents: Highlights of research on chemosterilization of mosquitoes, by D. E. Weidhaas; Research on biological control of mosquitoes, by W. R. Kellen; Side effects of pest control program on wildlife, by E. G. Hunt.
- 94176 PANEL: Related problems of interest to local agencies. *Calif. Mosquito Control Assoc. Proc. & Papers*, 31st Annu. Conf.:27-45, map. Ref. Dec.11,1963. 428 C763  
Moderator: N. F. Hauret.  
Contents: "Mice that mar the land"—a unitary view of public health and vector abatement, by L. Kartman; The educational approach to vector control in Santa Clara County, by J. St. Germaine; Gnat control in mosquito abatement agencies, by W. E. Hazeltine; Needs and potentials for yellow jacket control, by C. D. Grant; Review of the *Triatoma protracta* problem in the Sierra Nevada foothills of California, by E. W. Mortensen and J. D. Walsh.



- 94177 PANEL: Source reduction. Calif. Mosquito Control Assoc. Proc. & Papers, 31st Annu. Conf.:67-71. Dec.11,1963. 428 C763  
Moderator: F. A. Compiano.  
Contents: Experience with district-owned source reduction equipment, by M. V. Brown; Subsurface drainage systems for mosquito source reduction, by E. Pattimore; Duck management for mosquito suppression, by G. R. Whitten; How we can improve our source reduction programs, by F. A. Compiano.
- 94178 PANEL: Techniques on achieving program objectives. Calif. Mosquito Control Assoc. Proc. & Papers, 31st Annu. Conf.:99-105. Dec.11, 1963. 428 C763  
Moderator: W. D. Murray.  
Contents: The spoken word, by G. T. Ritchey; The written word, by J. Gregg; How to communicate effectively with pictures, by W. I. Hoff.  
Public relations in mosquito control.
- 94179 PEAVEY, H. M. Relation of special districts to cities. Calif. Mosquito Control Assoc. Proc. & Papers, 31st Annu. Conf.:58-59. Dec.11,1963. 428 C763  
Mosquito control policies.
- 94180 PATYK, S. Studies on experimental infestation of chickens with *Laminosioptes cysticola*. (Pol) Wroclaw. Wyzsza Szkola Roln. Zeszyty Nauk. Weter. 15:197-206. 1963. 41.9 B753  
English summary.
- 94181 PEAVEY, H. M. The relation of special districts to cities. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:317-320. 1963. 420 N46  
Mosquito control in California.  
Includes discussion.
- 94182 PETERS, R. F. Progress in mosquito control research by the California Department of Public Health. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:81-85. 1963. 420 N46  
Includes ecology, biological control and insecticide resistance.
- 94183 PETERS, R. F. Urbanization's impact on the poultry industry, "nuisances and co-existence." Calif. Vector Views 10(11):69-71. Nov.1963. 449.8 C12  
Fly control problem associated with poultry raising; *Musca domestica*, *Fannia canicularis* and *Phaenicia*.
- 94184 PETERS, R. F. Your expanding role in vector control. Calif. Vector Views 10(10):63-66. Oct.1963. 449.8 C12  
Situation and outlook in relationship to public health.
- 94185 PETUNIN, F. A. Epizootiological role of *Rhipicephalus bursa* Can. et Fanz., and its eradication under conditions of the Krasnodar Territory. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:249-252. 1963. 41.9 R923  
French summary.  
Livestock pest, includes chemical control.
- 94186 PIEPGRASS, R. Working conditions and salary schedules for mosquito control agencies. Calif. Mosquito Control Assoc. Proc. & Papers, 31st Annu. Conf.:61-62. Dec.11,1963. 428 C763
- 94187 PIRES, A., and BOERO, J. J. Cutaneous myiasis. (Sp) Rev. de Med. Vet [Buenos Aires] 44 (6):383-390. 1963. 41.8 B86  
*Hypoderma bovis*, *H. lineatum*, and *Dermatobia hominis* as cattle pests.
- 94188 POLYAKOV, D. K. Experiment in control of *Ixodes persulcatus* P. Sch. for prophylaxis of encephalitis of man and protozoan diseases of animals. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:269-278. Ref. 1963. 41.9 R923  
French summary.  
Chemical control.
- 94189 POTAPOV, A. A., and VLADIMIROVA, V. V. The effect of repellents on some horsefly species at different air temperatures (field trials with Skufiin's traps). (Rus) Med. Parazitol. i Parazitarnye Bolezni 32(5):542-546. Sept./Oct. 1963. 448.8 M469  
English summary.
- 94190 PRATT, H. D. Ways of increasing efficiency of mosquito control workers. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:214-218. 1963. 420 N46  
Entomological training.
- 94191 QUARTERMAN, K. D. Past achievements, current activities and contributions, and a view to the future on research on and control of mosquitoes by the U.S. Public Health Service. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:59-72. Ref. 1963. 420 N46
- 94192 QUARTERMAN, K. D. Report of National Mosquito Control-Fish and Wildlife Management Coordination Committee during 1962. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:277-279. 1963. 420 N46
- 94193 RASNITSYN, S. P. Review of methods employed to control horseflies. (Rus) Med. Parazitol. i Parazitarnye Bolezni 32(5):611-616. Ref. Sept./Oct.1963. 448.8 M469
- 94194 RATHBURN, C. B., and ROGERS, A. J. Thermal aerosol insecticide tests for the control of adult mosquitoes, 1961-1962. Fla. Anti-Mosquito Assoc. Rpt. Annu. Mtg. 34:49-51. 1963. 420 F663  
Against *Aedes taeniorhynchus*.
- 94195 RAZMAKHININ, V. E. Booponus borealis as pest of deer. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:277-281. 1963. 20 M857
- 94196 REES, D. M. Mosquito abatement—a public service dependent upon cooperative effort. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:124-129. 1963. 420 N46  
Utah.
- 94197 RICE, P. L. International training for malaria eradication in Jamaica. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:42-53. 1963. 420 N46  
Study of mosquito control at Malaria Eradication Training Center, Kingston.
- 94198 ROBERTS, R. S. The challenge for mosquito control in Cache County. Utah Mosquito Abatement Assoc. Proc., 16th Annu. Mtg.:31-33. 1963. 420 Utl
- 94199 ROE, R. A. A freeholder views mosquito control. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:146-148. 1963. 420 N46
- 94200 ROESSLER, P. The attractiveness of steroids and amino acids to female *Aedes aegypti*. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:250-255. Ref. 1963. 420 N46  
Particularly the estrogens.
- 94201 ROGERS, A. J., and RATHBURN, C. B. Experiences in applying vermiculite granules with aircraft. Fla. Anti-Mosquito Assoc. Rpt. Annu. Mtg. 34:86-98. 1963. 420 F663  
Paris green mosquito larvicide.
- 94202 ROMASHEVA, L. F., and SARTBAEV, S. K. Role of ticks, *Dermanyssus gallinae*, in the epizootiology of spirochetosis of poultry. (Rus) Akad. Nauk Kirgizskoi SSR. Izv. Ser. Biol. Nauk 4(5):65-74. Ref. 1962. 442.9 Ak123
- 94203 ROSELLE, B. Feed additives for control of horn and face flies. Nebr. Cattleman 20(10):24, 26. June 1964. 43.8 N27  
Ronnal and phenothiazine for cattle.
- 94204 RUBER, E., and JOBBINS, D. M. Dynamics of microcrustacean populations of an impounded marsh. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:342-351. 1963. 420 N46  
Ecological changes resulting from mosquito control measures.
- 94205 SACRAMENTO COUNTY-YOLO COUNTY (CALIF.) MOSQUITO ABATEMENT DISTRICT. Sixteenth annual report, January 1,1963—December 31,1963. North Sacramento, 1964. 21 p. 420 Sal  
Emphasizes control of *Aedes sierrensis* and *Culex tarsalis*, malaria, and encephalitis.
- 94206 SAF'YANOVA, V. M. Results consecutive to the testing of individual bed-curtains made of fishing-nets impregnated with repellents for the protection against sand-fly attacks. (Rus) Med. Parazitol. i Parazitarnye Bolezni 32(5):549-551. Sept./Oct.1963. 448.8 M469  
English summary.  
Chiefly *Phlebotomus* spp.



- 94207 SALMELA, J., and PHILEN, E. A. A cooperative mosquito control plan for Cape Canaveral and the NASA Merritt Island Launch Area involving federal, state and local agencies. Fla. Anti-Mosquito Assoc. Rpt. Annu. Mtg. 34:75-81. 1963. 420 F663
- 94208 SALT LAKE CITY MOSQUITO ABATEMENT DISTRICT. Summary of the thirty-fourth annual report, 1963, prepared by D. M. Rees, and G. C. Collett. Salt Lake City, 1964. 22 p. 420 Sa3  
Includes surveys.
- 94209 SARTBAEV, S. K., and others. Methods for control of ticks and bed bugs of poultry in the Chuisk Valley. (Rus) Akad. Nauk Kirgizskoi SSR. Izv. Ser. Biol. Nauk 4(5):93-99. Ref. 1962. 442.9 Ak123  
L. F. Romasheva, A. P. Neumyvakin, and N. S. Zabolotnikov, joint authors.  
Argas persicus, Dermanyssus gallinae and Cimex lectularius.
- 94210 SARTBAEV, S. K., ROMASHEVA, L. F., and KASIEV, S. K. Species composition of ectoparasites of some birds in the Chu Valley. (Rus) Akad. Nauk Kirgizskoi SSR. Izv. Ser. Biol. Nauk 4(5):87-92. Ref. 1962. 442.9 Ak123  
Ticks, Coleoptera and Mallophaga.
- 94211 SCHERER, W. F., and others. Venezuelan equine encephalitis virus in Veracruz, Mexico, and the use of hamsters as sentinels. Science 145(3629):274-275. July 17, 1964. 470 Sci2  
R. W. Dickerman, C. W. Chia, A. Ventura, A. Moorhouse, R. Geiger, and A. D. Najera, joint authors.  
Isolated from Culex.
- 94212 SCHIMMELPFENNIG, K. Systematic control of cattle grubs—first stage in comprehensive parasite control. (Ge) Tierzuechter 16(5):143-146. Mar. 5, 1964. 49 T445
- 94213 SCHLIESSMANN, D. J., and MAGENNIS, N. J. Initial plan for the eradication of Aedes aegypti from the United States. Pest Control 32(7):34, 36, 38, 42, 45-46, 48, map. July 1964. 449.8 Ex8  
To prevent return of yellow fever.
- 94214 SHAFFER, C. B. The relationship of safety and public health in mosquito control. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:139-146. 1963. 420 N46  
Hazards and safeguards with respect to insecticides.
- 94215 SHARP, R. D. Butonate, a new safer phosphate household and industrial insecticide. Agr. & Vet. Chem. 4(5):135-136. Sept./Oct. 1963. 382 Ag82  
Includes tests on house fly and cockroaches, and toxicity to rats.
- 94216 SHORTT, H. E. Ticks and piroplasms. In Authur, D. R., ed. Aspects of disease transmission by ticks, p.157-174. 1962. 434 Ar7A  
In wildlife and livestock, including Babesia canis transmitted by Rhipicephalus sanguineus; discussion p.175-177.
- 94217 SHURA-BURA, B. L., and GLAZUNOVA, A. YA. Insecticidal properties of chlorophos "fly-paper." (Rus) Med. Parazitol. i Parazitarnye Bolezni 32(5):554-558. Sept./Oct. 1963. 448.8 M469  
English summary.
- 94218 SIVEL, R. F. Power dusting: an urban adulticiding technique. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:332-335. 1963. 420 N46  
Includes equipment.
- 94219 SMITH, C. E. G. Ticks and viruses. In Authur, D. R., ed. Aspects of disease transmission by ticks, p.199-221, map. Ref. 1962. 434 Ar7A  
In wildlife, livestock, and man; discussion p.252-256.
- 94220 SOLLERS-RIEDEL, H. An international review of activities concerning mosquitoes in 1962. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:160-191. 1963. 420 N46  
Literature review.  
Includes taxonomy, biology, and diseases.
- 94221 SOPER, F. L. Aegypti and gambiae: eradication of African invaders in the Americas. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:152-160. 1963. 420 N46  
Aedes aegypti and Anopheles gambiae in relation to malaria and yellow fever.
- 94222 SPENCER, G. J. Attacks on humans by Ixodes angustus Neumann, the coast squirrel tick, and I. sordidus Gregson, the shrew tick. Ent. Soc. Brit. Columbia. Proc. 60:40. 1963. 420 B77
- 94223 SPRINGER, P. F. Fish and wildlife aspects of chemical mosquito control. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:194-206. Ref. 1963. 420 N46  
Includes discussion.
- 94224 STANLEY, N. F., and CHOO, S. B. Studies of arboviruses in western Australia; serological epidemiology. World Health Organ. B. 30(2): 221-226, map. 1964. 449.9 W892B  
Includes presence of mosquitoes.
- 94225 STARNES, O. Public agencies in mosquito control. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:8-10. 1963. 420 N46  
Policies and programs.
- 94226 STEINER, A. S. Functions and procedures of a mosquito abatement district board of trustees. Calif. Mosquito Control Assoc. Proc. & Papers, 31st Annu. Conf.:63. Dec. 11, 1963. 428 C763
- 94227 STEPHENS, R. L. Logan's mosquito control program to date. Utah Mosquito Abatement Assoc. Proc., 16th Annu. Mtg.:33. 1963. 420 Ut1
- 94228 STEVENS, L. F., QUATTROCHI, L. P., and HERMS, H. P. Evaluation of Baytex as a thermal aerosol for adult mosquito control. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:351-354. 1963. 420 N46  
Against Culex pipiens pipiens.
- 94229 STRONG, O. R. Responsibilities of mosquito abatement district trustees. Calif. Mosquito Control Assoc. Proc. & Papers, 31st Annu. Conf.:58. Dec. 11, 1963. 428 C763
- 94230 SUFFOLK COUNTY (N.Y.) MOSQUITO CONTROL COMMISSION. Report. Yaphank, Long Island, N. Y., 1963. 15 p., map. 428 Su2  
Includes surveys.
- 94231 SUKHACHEVA, E. I. The role of certain insect larva species in the epidemiology of ascariasis. (Rus) Med. Parazitol. i Parazitarnye Bolezni 32(5):600-603. Sept./Oct. 1963. 448.8 M469  
English summary.
- 94232 SUTTON, E., and ARTHUR, D. R. Tick feeding in relation to disease transmission. In Authur, D. R., ed. Aspects of disease transmission by ticks, p.223-252. Ref. 1962. 434 Ar7A  
Ixodes ricinus on cattle, chiefly; discussion p.252-256.
- 94233 SWAPP, M. F. Public relations as related to mosquito abatement management and control. Utah Mosquito Abatement Assoc. Proc., 16th Annu. Mtg.:1-2. 1963. 420 Ut1
- 94234 SZABO, J. B. How to protect ourselves against mosquito bites? (Hu) Buvar 8(4):208-211. July/Aug. 1963. 410 B98
- 94235 TALEGON HERAS, F. Incidence of Hypoderma bovis in the cattle industry. (Sp) Agricultura [Madrid] 33(383):153-156. Mar. 1964. 15 Ag84
- 94236 TIMOFEEV, A. F. Effect of ixodid ticks on changes of Brucella bovis and B. melitensis and titration of Brucella strains. (Rus) Akad. Nauk Kirgizskoi SSR. Izv. Ser. Biol. Nauk 4(5): 15-26. Ref. 1962. 442.9 Ak123
- 94237 TOLBERT, R. Getting mosquito control started in new areas. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:314-316. 1963. 420 N46  
Chincoteague Island.  
Includes discussion.
- 94238 TOURE, S. M. Contribution a l'etude des Ixodidae et des Argasidae de l'Ouest Africain [Contribution to the study of Ixodidae and Argasidae of West Africa]. Alfort. Ecole Natl. Vet. These 61, 80 p., map. Ref. 1963. 41.2 AL23  
Includes biology as vectors of disease and chemical control.



- 94239 TSIRKIN, YU. M., KRASOVSKII, F. V., and KULYABKO, V. V. The use of hemagglutination suppression reaction to diagnose tick-borne encephalitis and to elicit the immunological structure of the population in pseudo-foci. (Rus) Med. Parazitol. i Parazitarnye Bolezni 32(5):567-572. Sept./Oct.1963. 448.8 M469 English summary.
- 94240 TYLER, R. Casualty insurance. Calif. Mosquito Control Assoc. Proc. & Papers, 31st Annu. Conf.:64-65. Dec.11,1963. 428 C763 Mosquito control districts.
- 94241 UTAH MOSQUITO ABATEMENT ASSOCIATION. Proceeding of the sixteenth annual meeting held at the Utah State University, Logan, Utah, March 8 and 9, 1963; edited by L. T. Nielsen, D. M. Rees, J. E. Graham, and G. C. Collett. Midvale, Utah, 1963. 35 p. Ref. 420 Utl
- 94242 VARMA, M. G. R. Transmission of relapsing fever spirochaetes by ticks. In Authur, D. R., ed. Aspects of disease transmission by ticks, p.61-82. Ref. 1962. 434 Ar7A Transmitted to man by Ornithodoros spp.; discussion p.175-177.
- 94243 VAUGIEN, P. Demodicidosis in the dog. (Fr) Patre 111:31. Feb.1964. 45.8 P272 Demodex folliculorum.
- 94244 VEBLEN, P. The press and its responsibilities. Calif. Mosquito Control Assoc. Proc. & Papers, 31st Annu. Conf.:16-18. Dec.11,1963. 428 C763 In relation to mosquito control.
- 94245 VIOLOVICH, N. A. Repellent properties of diethylamide of metatoluic acid in regard to horseflies. (Rus) Med. Parazitol. i Parazitarnye Bolezni 32(5):539-542. Ref. Sept./Oct. 1963. 448.8 M469 English summary. Human pests.
- 94246 VOLKOVA, A. A., GREBENYUK, R. V., and TIMOFEEV, A. F. Study of the role of ixodid ticks in the epizootiology of animal brucellosis. (Rus) Akad. Nauk Kirgizskoi SSR. Izv. Ser. Biol. Nauk 4(5):5-13. 1962. 442.9 Ak123
- 94247 VUILLAUME. Control of bovine Hypoderma. (Fr) Assoc. Franc. des Ingen. Chim. et Tech. des Indus. du Cuir. B. Doc. et Inform. 26(6): 151-156. June 1964. 303.8 B87 With insecticides.
- 94248 WALDRON, W. G. The problem of delusory parasitosis (entomophobia) in arthropod control work. Calif. Mosquito Control Assoc. Proc. & Papers, 31st Annu. Conf.:75-76. Dec.11,1963. 428 C763
- 94249 WALLING, H. C. Relations between mosquito control organizations and governmental agencies. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:310-311. 1963. 420 N46 Policies.
- 94250 WANG, S. P. Japanese encephalitis in Taiwan: a review of recent studies. World Health Organ. B. 30(2):279-284, map. Ref. 1964. 449.9 W892B Includes Culex tritaeniorhynchus and C. fuscocephalus as vectors.
- 94251 WEIDHAAS, D. E., and MCDUFFIE, W. C. Highlights of recent research on chemosterilants for the control of insects of medical and veterinary importance. Ent. Soc. Amer. B. 9 (4):268-272. Ref. Dec.1963. 423.9 En8
- 94252 WELCH, E. V. Brief co-operative report on dogfly research program USDA, State Board of Health, Bay County Pest Control and Gulf Mosquito Control District. Fla. Anti-Mosquito Assoc. Rpt. Annu. Mtg. 34:40-42. 1963. 420 F663 Stomoxys calcitrans, including breeding places.
- 94253 WEST, A. S. Past achievements, current activities and contributions, and a view to the future on research on and control of mosquitoes in Canada. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:86-107. 1963. 420 N46 Includes biology, biological and chemical control, insecticide resistance, and western equine encephalitis transmission.
- 94254 WHITSEL, R. H., and others. Studies on the biology and control of chironomid midges in the San Francisco Bay region. Calif. Mosquito Control Assoc. Proc. & Papers, 31st Annu. Conf.:83-94. Ref. Dec.11,1963. 428 C763 C. A. Vickery, C. J. Rogers, and C. D. Grant, joint authors.
- 94255 WILLIAMS, L. L. Insecticide hazards and health benefits from mosquito control. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:206-210. 1963. 420 N46
- 94256 WILSON, F. Color slides make public speaking easy. Fla. Anti-Mosquito Assoc. Rpt. Annu. Mtg. 34:56-57. 1963. 420 F663 Mosquito control.
- 94257 WILTON, G. S. What you can do if fleas pose problem in your mink herd. U. S. Fur Rancher 43(3):22. Apr.1964. 412.629 Am3M Control of Ceratophyllus vison with DDT.
- 94258 WOMELDORF, D. J., and MORTENSON, E. W. Hippelates gnats in central California. Calif. Vector Views 10(9):57-60, 62. Sept.1963. 449.8 C12 Survey including nuisance value to man and possible disease vector.
- 94259 WULKER, W. Prospects for biological control of pest Chironomidae in the Sudan. World Health Organ. WHO/Vector Control 42,23 p. Ref. June 27,1963. 423.92 W89 Parasites, including nematodes.
- 94260 ZAETS, I. N. Eradication of Hypoderma bovis in the Kherson area. (Rus) Veterinariya 3:6. Mar.1964. 41.8 V6426
- 94261 ZULUETA, J. DE, and GARRETT-JONES, C. An investigation of the persistence of malaria transmission in Mexico. World Health Organ. WHO/Vector Control 49,32 p., map. Aug.16, 1963. 423.92 W89 Includes Anopheles albimanus and A. pseudo-nunctipennis as chief vectors.

#### Pests of Field and Truck Crops

- 94262 AMABILIS REJON, M., and CRISLER, J. N. Cultural methods of control and pests of cotton in the region of Matamoros, Tamps. (Sp) Fito-filo 16(38):21-23. Apr./June 1963. 421 F55 Insect pests and Tetranychus sp.
- 94263 BENADA, J., KVICALA, B. A., and SCHMIDT, H. B. Red stripe of sorghum and streak mosaic of corn, a new virus disease for Czechoslovakia. (Ge) Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. II, Natwiss. 117(7):683-691. Ref. Apr.29,1964. 448.3 C33 English summary. Transmitted by aphids, Rhopalosiphon maidis and Myzus persicae.
- 94264 BLASZYK, P. Observations during an outbreak of the ground beetle (Amara convexuscula Mrsch.) in East Friesland. (Ge) Gesunde Pflanzen 15(12):225-229. Dec.1963. 464.8 G33 English summary. Attacking barley, strawberries, and even invading homes near fields.
- 94265 BOGNAR, S. Control of Ceutorhynchus quadridens Panzer. (Hu) Kertesz es Szoleszet 13 (9):18. May 1964. 80 K474 DDT and BHC application to cabbage.
- 94266 BOHM, O. Aphid warning service in seed potato culture. (Ge) Pflanzenarzt 16(12):141-144. Dec.1,1963. 464.9 P482
- 94267 BOMBOSCH, S. Investigations on habits and reproduction of Atomaria linearis Steph. (Coleopt., Cryptophagidae) in agricultural field cultivation. (Ge) Z. f. Angew. Ent. 52(4):313-342. Ref. Oct.1963. 421 Z36 English summary. Includes host plant relations and development.
- 94268 BOOTS, M. R. An investigation of insect resistance factors in the cabbage plant. Diss. Abs. 24(12,pt.1):5015. June 1964. 241.8 M58
- 94269 CAMPRAG, D. Another contribution to the knowledge of the mode of life and the noxiousness of Tanymecus dilaticollis Gyll. with a particular regard to host plants. (Se) Zastita Bilja 76:615-629. Ref. 1963. 464.8 Z1 English summary. Chiefly sugar beets and corn.

- 94270 CARTER, C. W. Relative efficiency of aerial vs ground application of granular systemic insecticides on sugar beets. *Holly Agr. News* 12 (2):14-16. Summer 1964. 66.8 H72  
Control of *Myzus persicae*.
- 94271 CASTILLA CHACON, R., and BALL, L. R. Summary of the methods used to control the pink bollworm of cotton and their results in the years 1960-1961-1962 in the Laguna District, Mexico. (Sp) *Fitofilo* 16(38):9-11. Apr./June 1963. 421 F55  
By limiting planting dates and insecticidal control of *Pectinophora gossypiella*.
- 94272 CHRISTMANN, and TEISSIER. Study of the efficacy of aphicide products in dusting sugar beet aphids. (Fr) *Phytiatrie-Phytopharm.* 12 (2):105-113. 1963. 464.8 P564  
*Myzus persicae* and *Aphis fabae*.
- 94273 CLOSE, R., SMITH, H. C., and LOWE, A. D. Cereal virus warning system. *Commonwealth Phytopath. News* 10(1):7-9. Jan. 1964. 464.8 C73  
*Rhopalosiphum padi* as vector of barley yellow dwarf virus in New Zealand.
- 94274 COUTURE, G. R. Historical account of potato insect control in the Province of Quebec. (Fr) *Ent. Soc. Quebec. Ann.* 8:13-23. Ref. 1963. 420 En822  
English summary.
- 94275 CSEHI, E. Results of large scale control of *Tychius flavus* Beck., pest of lucerne. (Hu) *Magyar Mezogazdasag* 19(19):14-15. May 6, 1964. 19 M27  
With various insecticides.
- 94276 DAIBER, C. C. Further notes on potato aphids and leaf roll spread in South Africa. *Ent. Soc. South. Africa. J.* 26(2):306-323. Ref. Jan. 31, 1964. 420 En86  
Transmission by *Macrosiphum euphorbiae* and *Myzus persicae*, and effects of insecticides on spread of the disease.
- 94277 DAVIES, J. C. Insecticides on cotton in Uganda; comparison of Sevin, BHC plus Cereclor and DDT. *Empire Cotton Growing Rev.* 40(4):296-302. Ref. Oct. 1963. 72.8 Em7
- 94278 ESCOBER, J. T., AGATI, J. A., and BERGONIA, H. T. A new virus disease of cotton in the Philippines. *FAO Plant Protect. B.* 11(4):76-81. Aug. 1963. 421 P692  
*Bemisia tabaci* as vector.
- 94279 FABER, W. The corn earworm (*Pyrausta nubilalis* Hb.), a problem of increasing importance for corn culture in Austria. (Ge) *Pflanzenarzt* 17(1):12-15. Jan. 1, 1964. 464.9 P482  
Cultural, and chemical control.
- 94280 FABER, W. The grain carabid is putting in an appearance again. (Ge) *Pflanzenarzt* 16(12):138. Dec. 1, 1963. 464.9 P482  
*Zabrus tenebrioides*.
- 94281 FORBES, A. R. An occurrence of the bulb and potato aphid *Rhopalosiphoninus latysiphon* (Davidson) (Homoptera: Aphididae), on potato in British Columbia. *Ent. Soc. Brit. Columbia. Proc.* 60:30-32. 1963. 420 B77
- 94282 GEORGHIOU, G. P., LAIRD, E. F., and VAN MAREN, A. F. Systemic insecticides reduce the spread of curly top virus of sugar beets. *Calif. Agr.* 18(7):12-14. July 1964. 100 C12Cag  
Transmitted by *Circulifer tenellus*.
- 94283 GOLDMAN, M. C. Can we grow food crops without deadly sprays? *Org. Gard. & Farming* 11(8):28-31. Aug. 1964. 57.8 Or32  
Includes biological control of insects.
- 94284 GOLEBIEWSKA, Z., and BOCZEK, J. The extent of damage caused by the gout fly (*Chlorops pumilionis* Bj.). p. 27-49. Ref. (OTS 60-21574) 464 P87  
Pest of wheat.  
Translation from Poznan. *Instytut Ochrony Roslin. Prace Naukowe* 1(1):107-134. 1959.
- 94285 GUENNELON, G., and AUDEMARD, M. H. Ecological data given by the emergence box method of capturing the lavender cecidomyid (*Thomasiina lavandulae* Barnes). A criticism of the method. Practical conclusions. (Fr) *Ann. des Epiphyt.* 14(1):35-48, map. 1963. 464.9 F84An  
English summary.
- 94286 GUSEV, V. F., and MOTRICH, T. A. Eradication of *Ixodes ricinus* on pastures with water emulsion of dithiophos. (Rus) *Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy* 28:257-262. 1963. 41.9 R923  
French summary.
- 94287 GUYER, G. E. The cereal leaf beetle [*Oulema melanopa*]—a new foreign pest. *Crop Quality Council. Ext. Conf. Rpt.* 1962:26-27. 464.9 N813
- 94288 HAHN, E. The leaf-roller *Cnephasia longana* Haw. as cereal and corn pest. (Ge) *Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)* 17(4/5):91-93. Ref. Apr./May 1963. 464.9 N11  
East Germany.
- 94289 HARDING, J. A., and WOLFENBARGER, D. A. Granular systemic insecticides applied to spinach, turnips, and cabbage for insect control. *Fla. Ent.* 47(2):97-102. June 1964. 420 F662  
*Diabrotica undecimpunctata howardi* on spinach; *Phyllotreta pusilla* on turnip; and *Trichoplusia ni* and *Brevicoryne brassicae* on cabbage.
- 94290 HJNER, J. A. Yellows and yellows control. (Du) *Loonbedrijf in Land- en Tuinbouw* 17(6):461, 463. June 1964. 283.8 L87  
In sugar beets, transmitted by aphids; their control by spraying.
- 94291 HOBBS, J. Waging war on the [sorghum] midge. *West Tex. Today* 45(5):7, 23. July 1964. 286.8 W522
- 94292 HOLDSWORTH, R. P. 1964 pesticide recommendations with emphasis on cabbage maggot. *Ohio Veg. & Potato Growers Assoc. Growers Handb. & Annu. Proc.* 49:110-111. 1964. 75.9 Oh3  
*Hylemya brassicae*.
- 94293 HSU, C. Y., and YEH, Y. L. Early transplanting in avoiding paddy borer [*Schoenobius incertulas*] damage of medium rice crop in Anhui. (Ch) *Acta Ent. Sinica* 12(3/4):385-393. July/Sept. 1963. 421 K96  
English summary.
- 94294 ISA, A. L. A. A. Collembola and other soil arthropods in relation to sugarcane culture. *Diss. Abs.* 24(12, pt. 1):4892-4893. June 1964. 241.8 M58  
In Louisiana.
- 94295 KLOSTERMEYER, E. C. The beet leafhopper [*Circulifer tenellus*] in Washington. *Wash. Agr. Expt. Sta. Sta. C.* 436, 5 p. July 1964. 100 W27S  
Life history, migration, and breeding grounds; pest of vegetables.
- 94296 KOVAL', A. F. Resistance of various hardy types of corn to frit fly. (Rus) *Agrobiologiya* 1:147-149. Jan./Feb. 1964. 20 Ag822
- 94297 KURCHATOV, V. I., and others. Two-year experiment on using aircraft for chemical control of ixodid ticks on pastures of the Krasnodar Territory. (Rus) *Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy* 28:263-268. 1963. 41.9 R923  
F. A. Petunin, N. P. Kozin, and F. M. Mishkin, joint authors.  
French summary.
- 94298 KUTHY, S. Control of Colorado potato beetle and sprinkling fertilization. (Hu) *Magyar Mezogazdasag* 19(25):12. June 17, 1964. 19 M27  
DDT-fertilizer spray for *Leptinotarsa decemlineata*.
- 94299 LACHANCE, R. O., DUNCAN, J., and COUTURE, G. R. Some remarks on the Aster yellows and its vectors. (Fr) *Quebec Soc. Protect. Plants. Rpt.* 43:19-22. 1961, pub. 1963. 464.9 Q3  
Chiefly *Macrostes fascifrons*.
- 94300 LA CROIX, E. A. S. Insecticide dusts on cotton in Coast Province, Kenya. *Empire Cotton Growing Rev.* 41(2):137-143. Apr. 1964. 72.8 Em7
- 94301 LAFRANCE, J., and MALTAIS, J. B. Chemical control of wireworms in muck soils of southwestern Quebec. (Fr) *Quebec Soc. Protect. Plants. Rpt.* 43:42-46. 1961, pub. 1963. 464.9 Q3  
English summary.  
Fumigants.



- 94302 LA MOLINA, ESTACION EXPERIMENTAL AGRICOLA. DEPT. DE ENTOMOLOGIA. The cotton sucking weevil *Eutinobothrus* (*Gasterocercodes*) *gossypii* (Pierce). (Sp) Vida Agr. [Lima] 41(482):17,19,21-22. Jan.1964. 9.8 V66
- 94303 LORDELLO, L. G. E. Observations on the cabbage "coruquere" [*Ascia monuste orseis*] and its control. (Por) Rural 44(515):41. Mar. 1964. 9.2 B733  
On cabbage and other cruciferae; biological and insecticide control.
- 94304 MANNINGER, G. A. Control of lucerne seed pests. (Hu) Magyar Mezőgazdaság 19(25):14. June 17,1964. 19 M27  
Includes equipment for control of *Phytonomus* [i.e. *Hypera*] *variabilis*.
- 94305 MANNINGER, G. A. Timely tasks in control of flower and seed pests of legumes. (Hu) Magyar Mezőgazdaság 19(26):21. June 24,1964. 19 M27
- 94306 MARTOURET, D., and MILAIRE, H. Experimentation with bacterial products based on *Bacillus thuringiensis* at the agricultural level. (Fr) Phytatrie-Phytopharm. 12(2):71-80. Ref. 1963. 464.8 P564  
Lepidoptera control in vegetable culture.
- 94307 MEIER, W. The importance of plant culture methods for the control of pea pests. (Ge) Grune 92(26):824-830. June 26,1964. 17 Sch9
- 94308 MOHANRAJ, G., and SAXENA, A. P. On the introduction into India of some tachinid parasites of sugarcane moth-borers. Commonwealth Inst. Biol. Control. Tech. B. 4:43-61. Ref. Jan.1964. 423.92 C733T  
*Lixophaga diatraeae*, *Paratheresia claripalpis* and *Metagonistylum minense*.
- 94309 MONTEAGUDO PAZ, A. Antibiosis and preference as mechanisms of resistance to corn borer [*Ostrinia nubilalis*]. (Sp) Spain. Inst. Nac. de Invest. Agron. Conf. 1964:143-154. 15 Sp18C  
Observations in the United States.
- 94310 MUSIL, M. Multiplication of yellows-type plant viruses in *Euscelis plebejus* (Fallen) leafhoppers. Acta Virologica 8(3):230-238. Ref. May 1964. 448.3 Ac85  
Clover viruses.
- 94311 MUSIL, M. Persistence of infectivity of yellows-type plant viruses in extracts from ciruliferous *Euscelis plebejus* (Fallen) leafhoppers. Acta Virologica 8(3):239-242. May 1964. 448.3 Ac85  
Clover.
- 94312 NAGY, E. Prevention of *Zabrus tenebriodes* damages. (Hu) Magyar Mezőgazdaság 19(26):19. June 24,1964. 19 M27  
Grain pest control.
- 94313 NARKIEWICZ-JODKO, J. Preliminary investigations over the influence of seeding time and environment on the propagation of virus diseases in beet. p.112-125. Ref. (OTS 60-21574) 464 P87  
*Piesma quadratum* as carrier of virus.  
Translation from Poznan. Instytut Ochrony Roslin. Prace Naukowe 1(3):75-91. 1959.
- 94314 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van enkele insekten bij bieten [Control of some insects of beets]. Netherlands. Plantenziektenk. Dienst. Ber. 1590,4 p. Mar.20,1964. 464.9 N38
- 94315 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van enkele schadelijke insekten in erwten [Control of some pests of peas]. Netherlands. Plantenziektenk. Dienst. Ber. 1583,7 p. Mar.2,1964. 464.9 N38
- 94316 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van de wortelvlug [Control of the carrot fly]. Netherlands. Plantenziektenk. Dienst. Ber. 1582,2 p. Mar.3,1964. 464.9 N38  
*Psila rosae*.
- 94317 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De tarwestengelgalmug [The saddle gall midge]. Netherlands. Plantenziektenk. Dienst. Vlgtschr. 80,4 p. Dec.1963. 464.9 W12V  
Includes chemical control of *Haplodiplosis equestris* on wheat.
- 94318 NIEMOLLER, A. A glance back at the economically most important plant protection measures during germination of sugar beets in Rhinish Hesse in 1963. (Ge) Gesunde Pflanzen 15(12):229-231. Dec.1963. 464.8 G33  
English summary.  
Chiefly chemical control of *Atomaria linearis*, *Thrips angusticeps* f. *brachyptera*, and *Pegomya hyoscyami*.
- 94319 NORDBY, A. Spraying methods for the control of *Tetranychus urticae* Koch on cucumbers. (No) Gartneryrket 54(23):722-724. June 5,1964. 80 G1938
- 94320 OPYRCHALOWA, J. Some problems of sugar beet protection against pests in Lower Silesia. (Pol) Polskie Pismo Ent. Ser. B, 1/2:21-61, map. Ref. 1963. 421 P762  
English summary.  
Chiefly *Aphis fabae* and *Piesma quadratum*, virus disease vectors.
- 94321 OPYRCHALOWA, J., and POLCIK, B. Winter spraying of *Evonymus europaeus* L. as a means to check the development of *Aphis fabae* Scop. population. (Pol) Polskie Pismo Ent. Ser. B, 1/2:97-100. 1963. 421 P762
- 94322 OWENS, H. B. A study of the effect of conservation farming on populations of beneficial and destructive insects. Diss. Abs. 24(12,pt.1):5628. June 1964. 241.8 M58
- 94323 PASSLOW, T. The insect pests of lucerne. Power Farming Austral. & New Zeal. & Better Farming Digest 73(6):43. June 1964. 58.8 P87  
Control with DDT and DDD.
- 94324 PATHAK, M. D. Varietal resistance as a method of rice stem borer control. Internatl. Rice Comm. News Let. 13(1):15-21. Ref. Mar.1964. 59.9 In83N  
*Chilo suppressalis* and *Tryporyza innotata*.
- 94325 PATI-NAGY, E. Control of *Otiorynchus* [i. e. *Brachyrhinus*] *ligustici*. (Hu) Magyar Mezőgazdaság 19(19):15. May 6,1964. 19 M27  
BHC, Wofatox and special equipment in this lucerne pest control.
- 94326 PEIU, M., and SAPUNARU, T. Contributions to controlling the larvae of cabbage moth (*Mamestra brassicae* L.) on peas. (Rum) Prob. Agr. [Bucharest] 15(12):49-54. Dec.1963. 21 R862  
English summary.  
With aldrin and DDT.
- 94327 POHOSKA, I. Control of onion maggot [*Hylemya antiqua*] on the onions grown from seedlings. (Pol) B. Warzywniczy 6:345-354. Ref. 1961/62. 80 B54  
English summary.  
Insecticides.
- 94328 POPOV, P. Pre-sowing treatment of wheat seed with hexachlorane as a means of control of larvae of *Amphimallon caucasicus* Gyll., and its effect on the development of the plants. (Bu) Sofia. Tsent. Nauchnoizsled. Inst. za Zashchita na Rasteniyata. Izv. 4:139-158. Ref. 1963. 464.9 So22  
English summary.
- 94329 POPOVA, V. *Gonospileia* L. = *Euclidia glyptica* L. (Lepidoptera) a pest of alfalfa in Bulgaria. (Bu) Sofia. Tsent. Nauchnoizsled. Inst. za Zashchita na Rasteniyata. Izv. 4:103-120. 1963. 464.9 So22  
German summary.  
Includes chemical control.
- 94330 PROESELER, G. The injection technique, a method for transmitting phytopathogenic viruses by insects. (Ge) Deut. Akad. der Wiss. zu Berlin. Monber. 5(11/12):743-750. Ref. 1963. 509 D48M  
Chiefly *Cicadidae* and aphids.
- 94331 RAGIMOV, Z. A., and SULEIMANOV, S. B. Corn moth [*Prausta nubilalis*] as pest of cotton. (Rus) Khlopkovodstvo 5:31. May 1964. 72.8 K522  
Includes control by tillage and rotation of crops.
- 94332 RITCHER, P. O., and MORRISON, H. E. Oregon's symphytan problem, Oreg. Essential Oil Growers League. Proc., 15th Annu. Mtg.:24-27. 1964. 308.9 Or3  
Pest of *Mentha*; includes chemical control.



- 94333 ROLSTON, L. H., and ROUSE, P. Some factors influencing larval infestations of the rice water weevil [*Lissorhoptrus oryzophilus*]. *Kans. Ent. Soc. J.* 37(1):29-35. Jan. 1964. 420 K13  
Chiefly host plant relations in Arkansas.
- 94334 RUPPEL, R. F. Research on the cereal leaf beetle [*Oulema melanopa*]-a progress report. *Crop Quality Council. Ext. Conf. Rpt.* 1963:5. 464.9 N813
- 94335 SARAIVA, A. C. The corn borer of graminaceous crops—*Sesamia botanophaga* Tams & Bowden—in the Cape Verde Islands. (Por) Portugal, Missao de Estudos Agron do Ultramar. *Estudos Agron.* 4(2):45-60. Ref. Apr./June 1963. 56.9 P93  
English summary, table of contents. Corn.
- 94336 SARKANY, GY. Protection of flax against *Thrips linarius* U. (Hu) Magyar Mezőgazdaság 19(20):12. May 13, 1964. 19 M27  
With Wofatox and DDT.
- 94337 SCHMUTTERER, H., and EHRHARDT, P. On transmission of leaf curl virus from infections to noninfectious leaf bugs (*Piesma quadrata* Fieb.) by injection of haemolymph. (Ge) *Z. f. Angew. Ent.* 52(4):425-428. Oct. 1963. 421 Z36  
English summary.  
Includes transmission to beet.
- 94338 SCHREIER, O. Weevils in rape roots. (Ge) *Pflanzenarzt* 16(12):138-139. Dec. 1, 1963. 464.9 P482
- 94339 SIMON, J. E., and others. Pests and pesticides in the 1963-64 agricultural season. (Sp) *Vida Agr. [Lima]* 41(484):123, 125, 127, 129-131, 133, 135-145. (Cont.) Mar. 1964. 9.8 V66  
J. E. Gonzales, F. Olave, A. Martin R., joint authors.  
Chiefly insects.
- 94340 STANLEY, J. M., LAWSON, F. R., and GENTRY, C. R. Area control of tobacco insects with blacklight radiation. *Amer. Soc. Agr. Engin. Trans. ASAE* 7(2):125-127. 1964. 290.9 Am32T  
Trapping of *Protoparce sexta* and *P. quinque-maculata*.
- 94341 STANLEY, W. W., THOMAS, C. A., and OVERTON, J. R. Results of cotton insect control work in an area where boll weevils [*Anthonomus grandis*] are not present all season. *Tenn. Farm & Home Sci. Prog. Rpt.* 50:23-24, map. Apr./June 1964. 100 T25F  
Costs and returns in relation to control needs.
- 94342 STEINER, P., WENZEL, F., and BAUMERT, D. Zur Beeinflussung der Arthropodenfauna nordwestdeutscher Kartoffelfelder durch die Anwendung synthetischer Kontaktinsektizide [Influencing the arthropod fauna of potato fields in northwest Germany by the use of synthetic, contact insecticides]. *Berlin. Biol. Bundesanst. f. Land- u. Forstwirts. Mitt.* 109, 39 p. Ref. Aug. 1963. 410.9 G31M  
Effect of lindane, DDT, and parathion.
- 94343 SZALAY-MARZSO, L. Studies of *Tetraneura ulmi* L. in Hungary, parasitic on corn roots. (Ge) *Rov. Kozlem. (n.s.)* 15:271-286. Ref. 1962. 420 So12
- 94344 SZULC, P. Investigations on effects of cultivation on losses in winter rape yields caused by pests. p. 50-84. Ref. (OTS 60-21574) 464 P87  
*Meligethes aeneus*.  
Translation from Poznan. Instytut Ochrony Roslin. *Prace Naukowe* 1(1):231-273. 1959.
- 94345 THOMAS, G. W., and others. 1963 cotton insect control recommendations. *Mo. Agr. Col. Ext. C.* 789, 8 p. Apr. 1963. 275.29 M69C  
J. C. French, A. J. Keaster, and K. Harrendorf, joint authors.  
Use of insecticides.
- 94346 UGOLINI, A. A rare case of allotrophy in larva of *Cossus cossus* L. (Lepidoptera-Cossidae). (It) *Bologna. U. Ist. di Ent. B.* 26:15-19. 1962/63. 420 B63  
English summary.  
Attacking sugar beet tubers in Bologna.
- 94347 VEZIN, C. The control of insects which attack plant roots and the use of fertilizer-insecticides to combat them. (Fr) *Phytoma* 16(155): 11-14, map. Feb. 1964. 464.8 P563  
Field crops.
- 94348 VIRANYI, S. Protection of alfalfa seed from animal and plant damaging agents. (Hu) Magyar Mezőgazdaság 19(21):8. May 20, 1964. 19 M27  
Chiefly insect pest control.
- 94349 WALKER, P. T. The relation between height of maize and attack by maize stem borer, *Busseola fusca* in Tanganyika. *Gt. Brit. Colon. Off. Trop. Pesticides Res. Unit. TPRU/Porton/Rpt.* 257, 3 p. Sept. 1963. 423.92 C798C
- 94350 WEGNER, P. K. Our experiences with Disyston for control of insects attacking snap beans, Ohio Veg. & Potato Growers Assoc. *Growers Handb. & Annu. Proc.* 49:112. 1964. 75.9 Oh3
- 94351 WEGOREK, W., and WILUSZ, Z. The influence of mass application of insecticides on the zocoenosis of potato fields. p. 1-26. Ref. (OTS 60-21574) 464 P87  
Translation from Poznan. Instytut Ochrony Roslin. *Prace Naukowe* 1(1):7-44. 1959
- 94352 WILKINSON, A. T. Wireworms of cultivated land in British Columbia. *Ent. Soc. Brit. Columbia. Proc.* 60:3-17. Ref. 1963. 420 B77  
Surveys conducted on land used for field crops and ornamental plants.
- 94353 WOLFENBARGER, D. A., and GETZIN, L. W. Insecticides and surfactant-insecticide combinations for control of the mite, *Tetranychus marianae* McG., on tomatoes and eggplant. *Fla. Ent.* 47(2):123-128. June 1964. 420 F662  
Systemic insecticide formulations.

#### Pests of Fruit and Nut Crops

- 94354 ARRIETA MATEOS, D. L., and JIMENEZ JIMENEZ, E. Gravity of the problem of the Mediterranean fruit fly (*Ceratitis capitata* Wied.) in Central America. (Sp) *Fitofilo* 16 (40):5-17. Oct./Dec. 1963. 421 F55  
Control with baits and traps and quarantine at national borders.
- 94355 ASHRAF, M. Walnut weevil [*Alcidus porrectirostris*] in Swat and Kaghan valleys. *Commonwealth Inst. Biol. Control. Tech. B.* 4:65. Jan. 1964. 423.92 C733T  
On *Juglans regia*.
- 94356 AUDEMARD, H. Chemical control of *Zeuzera* (*Zeuzera pyrina* L); complementary trials of 1962. (Fr) *Phytiatrie-Phytopharm.* 12(3):141-146. Sept. 1963. 464.8 P564  
Fruit pest.
- 94357 AUSTIN, M. D. Insecticides, fungicides and herbicides; a commentary on certain aspects of their impact on the British fruitgrowing economy. *Agr. & Vet. Chem.* 5(3):57, 59-61. May/June 1964. 382 Ag32  
Chiefly insect control.
- 94358 BOHM, H. More severe outbreak of a rare leaf pest [*Lithocolletis blancardella*]. (Ge) *Pflanzenarzt* 16(12):141. Dec. 1, 1963. 464.9 P482  
Apple pest controlled with parathion.
- 94359 BOHM, H. Two pests of hazelnut culture. (Ge) *Pflanzenarzt* 16(12):138. Dec. 1, 1963. 464.9 P482  
Includes insecticide control of *Balaninus nucum* and *Phytoptus avellanae*.
- 94360 CAIRASCHI, E. A., AGUILAR, J. D., and CANGARDEL, H. Study of the chemical control of the apple leaf miner: *Stigmella* (= *Nepticula*) *malella* Stt. (Lep. Stigmellidae). (Fr) *Phytiatrie-Phytopharm.* 12(2):93-104. 1963. 464.8 P564
- 94361 CALIFORNIA. UNIVERSITY. AGRICULTURAL EXTENSION SERV. 1963 pest control guide for California citrus crops, by G. E. Carman, W. H. Ewart, L. R. Jeppson, L. A. Riehl, E. L. Atkins, J. C. Ortega, and H. S. Elmer. Riverside, 1963. 61 p. 423.9 C123
- 94362 CHAFFARD, M., and DEMOZAY, D. Plum eri-nose on peaches. (Fr) *Phytiatrie-Phytopharm.* 12(3):169-175. Ref. Sept. 1963. 464.8 P564  
*Eriophyes phloeocoptes*.
- 94363 DOSSE, G. Studies on the *Tetranychus cinnabarinus* Boisduval-complex in citrus plantations. in Lebanon, (Acarina, Tetranychidae). *Z. f. Angew. Ent.* 53(4):455-461. Apr. 1964. 421 Z36  
Includes chemical control.



- 94364 DOWNING, R. S., and JACK, I. D. The specificity of binapacryl, a dinitro miticide, against the European red [Panonychus ulmi] and McDaniel spider mites [Tetranychus mcdanieli]. Ent. Soc. Brit. Columbia. Proc. 60:19-21. 1963. 420 B77  
In apple orchards.
- 94365 EXAMPLES of fluctuations in pest populations: results and interpretations; a meeting organized by the Station Centrale de Zoologie Agricole in March 4 and 6, 1963 at the Centre National de Recherches Agronomiques, Versailles (Seine-et-Oise). (Fr) Ann. des Epiphyt. 14(3): 275-290. 1963. 464.9 F84An  
Summaries of papers.  
Chiefly pests of fruit and field crops.
- 94366 FERRO, S. Biology of Diaspis pentagona and its control in view of the more frequent maladies of peaches in Campania. (It) Not. sulle Mal. delle Piante 65:41-61. 1963. 464.8 N84  
Includes chemical control of insects.
- 94367 FONSECA, J. P. DA. A new pest of mango recently introduced into Brazil. (Por) Rural 44 (515):15. Mar.1964. 9.2 B733  
Aulacaspis tubercularis.
- 94368 GALINDO, O. Apple pests in the State of Chi-huahua. (Sp) Tierra [Mexico] 19(5):372-373. May 1964. 8 T445
- 94369 GRUNBERG, A. Citrus pests, 1963. Agr. Israel 9(4):46. Jan.1964. 22.5 Ag825
- 94370 GRYAZEV, V. A. Control of San Jose scale in fruit nurseries. (Rus) Sadovodstvo 3:32-33. Mar.1964. 80 Sa13  
Aspidiotus perniciosus with insecticides.
- 94371 HAHN, E., and HEINISCH, E. DDT residues in cherries after treatment with various preparations by fogging and with aircraft to control the cherry fruit fly [Rhagoletis cerasi]. (Ge) Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)17(3):45-48. Mar.1963. 464.9 N11  
English summary.
- 94372 HENNEQUIN, J., and SALADIN, M. Mode of action of some insecticides against the apple codling moth (Laspeyresia pomonella L.). (Fr) Phytatrie-Phytopharm. 12(2):81-91. 1963. 464.8 P564
- 94373 IMBERT, L., JOLY, E., and BESSON. Ten years of tests of insecticides against the oriental fruit fly (Grapholitha molesta Busck) on peaches. (Fr) Phytatrie-Phytopharm. 12(2): 115-128. 1963. 464.8 P564
- 94374 ISHII, G., EMORI, M., and HIDA, Y. On Psacotha hilaris Pascoe. (Ja) Sansi-Kenkyu 46:39-49. Apr.1963. 425.9 J273S  
A pest to Morus.
- 94375 ISHII, Z. Problems in pest control and labor saving in fruit tree agriculture. (Ja) Kajitsu Nippon 19(1):28-30. Jan.1964. 80 K122
- 94376 JANNONE, G. Si combatte oggi sufficientemente la mosca delle olive in Liguria? [Is present control of olive fruit fly [Dacus oleae] in Liguria sufficient?]. Genoa. Osserv. Mal. delle Piante. Mem. 2(4), 4 p. 1962. 464.9 G283  
Chemical control.
- 94377 JARFAS, J. Opatrum sabulosum L. damages and control on watermelon. (Hu) Rov. Kozlem. (n.s.)15:523-524. 1962. 420 So12
- 94378 JIMENEZ JIMENEZ, E., and MALTBY, H. Control biologico de la mosca prieta en Mexico [Biological control of the blackfly [Aleurocanthus woglumi] in Mexico]. Fitofilo 16(37):5-41, maps. Ref. Jan./Mar.1963. 421 F55  
With hymenopteran parasite, Amitus hesperidum, and other parasites and predators of this citrus pest.
- 94379 KARL, E., and HARTLEB, H. Observations on injuries to strawberries by ground beetles (Carabidae). (Ge) Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.)17(4/5):79-83. Apr./May 1963. 464.9 N11  
English summary.  
Harpalus pubescens chiefly.
- 94380 KHASAWINAH, A. M. A., and TALHOUK, A. S. The fig wax scale, Ceroplastes rusci (Linn.). Z. f. Angew. Ent. 53(2):113-131. Ref. Jan.1964. 421 Z36  
Life history and host plant relations.
- 94381 LAVY, J. M. A set back in the summer control of Zeuzera [pyrina]. (Fr) Phytoma 16(155):38. Feb.1964. 464.8 P563  
On apples and peaches.
- 94382 LEROUX, E. J., and MUKERJI, M. K. Notes on the distribution of immature stages of the apple maggot, Rhagoletis pomonella (Walsh) (Diptera: Trypetidae), on apple in Quebec. Ent. Soc. Quebec. Ann. 8:60-69. Ref. 1963. 420 En822
- 94383 MCMURTRY, J. A., and JOHNSON, H. G. Progress report on the introduction of a thrips parasite from the West Indies. Calif. Avocado Soc. Ybk. 47:48-51. 1963. 81 C128  
Dasyscaphus parvipennis control of Heliothrips haemorrhoidalis.
- 94384 MAILLOUX, M., and LEROUX, E. J. Notes on the distribution of cocoons, winter mortality and development of the apple pyralid [Carpocapsa pomonella] in the orchards of Quebec in 1962. (Fr) Ent. Soc. Quebec. Ann. 8:48-57. Ref. 1963. 420 En822
- 94385 MARSHALL, J. Background for integrated spraying in the orchards of British Columbia. Ent. Soc. Brit. Columbia. Proc. 60:26-29. 1963. 420 B77  
Apple insects.
- 94386 MARTINOVICH, V. Study of damages, distribution and swarming of Epicometis hirta Poda in Hungary. (Hu) Rov. Kozlem. (n.s.)15:347-364, map. Ref. 1962. 420 So12  
German summary.  
Pest of fruit, chiefly.
- 94387 MYBURGH, A. C. Orchard populations of the fruit fly, Ceratitis capitata (Wied.), in the Western Cape Province. Ent. Soc. South. Africa. J. 26(2):379-389. Ref. Jan.31, 1964. 420 En86
- 94388 NAGY, B. Hoplocampa spp., pests of young fruit. (Hu) Buvar 9(3):149-154. May/June 1964. 410 B98
- 94389 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Bestrijding van de bessebladwesp [Control of the currant sawfly]. Netherlands. Plantenziektenk. Dienst. Ber. 1594, 3 p. Mar.26, 1964. 464.9 N38
- 94390 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Bestrijding van de gevlekte lapsnuit-tor ("entkever") bij pitvruchten en bessen [Control of the spotted snout weevil on stone fruit and currants]. Netherlands. Plantenziektenk. Dienst. Ber. 1591, 4 p. Mar.20, 1964. 464.9 N38  
Brachyrhinus.
- 94391 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. Bestrijding van enkele insekten bij pit- en steenvruchten in de tweede helft van April [Control of some insects of pit and stone fruit in the second half of April]. Netherlands. Plantenziektenk. Dienst. Ber. 1595, 8 p. Apr.3, 1964. 464.9 N38
- 94392 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De bestrijding van de appelbloesem-kever [Control of the apple blossom weevil]. Netherlands. Plantenziektenk. Dienst. Ber. 1587, 4 p. Mar.13, 1964. 464.9 N38  
Anthrenus pomorum.
- 94393 NETHERLANDS. PLANTENZIEKTENKUNDIGE DIENST. De winterbespuiting in de fruitteelt [Winter spraying of fruit]. Netherlands. Plantenziektenk. Dienst. Ber. 1579, 4 p. Feb.6, 1964. 464.9 N38  
Insect control.
- 94394 PARADIS, R. O. Note on spotted cutworm, Amathes c-nigra (L.) (Lepidoptera: Noctuidae), attacking fallen apples in Quebec. (Fr) Ent. Soc. Quebec. Ann. 8:45-47. 1963. 420 En822
- 94395 PARENT, B. The problem of the strawberry tarsonemid, Steneotarsonemus (Tarsonemus) pallidus (Banks), in the southwest of Quebec. (Fr) Ent. Soc. Quebec. Ann. 8:97-101. Ref. 1963. 420 En822
- 94396 PETROSYAN, F. G., and MARUTYAN, S. N. Testing new preparations for the control of grape spider mite pest. (Rus) Vinodel. i Vinograd. SSSR 3:36-37. 1964. 95.8 V77  
Kelthane, tedion and ethyl sulfonate.
- 94397 POST, G. R. Concentrate spraying. Sunsweet Standard 47(12):7-8. May 1964. 286.83 Su7  
For fruit pest control.

- 94398 PROTA, R. Morpho-ethological notes on *Magdalis barbicornis* Latr. (Coleoptera Curculionidae). (It) Soc. Ent. Ital. Mem. 41:45-66. Ref. 1962. 420 It1M  
English summary.  
Includes damage to pear and chemical and biological control.
- 94399 QUIST, J. A., BULLA, A. D., and DOYLE, J. H. A program to reduce insect sprays on western Colorado fruit trees. Colo. Farm & Home Res. 14(6):6-7. May/June 1964. 100 C712Co  
Chiefly codling moth on apples.
- 94400 RAMONA, R. DE. *Pyrallis* or green worm of grapes [Sparganothis pilleriana]. (Sp) Cult. Mod. 47(5):172. May 1964. 15 C89
- 94401 RIOS MARTINEZ, E., and FERNANDO ALVAREZ, R. Summary of the preventive measures accomplished in Mexico against the Mediterranean fruit fly (*Ceratitidis capitata* Wied.). (Sp) Fitofilo 16(38):46-52. Apr./June 1963. 421 F55  
Use of baited traps and liberation of parasites.
- 94402 RUER, P. Control conditions of the oilpalm pest *Coelaenomenodera elaeidis* Mlk. (Fr) Oleagineux 19(6):387-390. June 1964. 77.8 OL2  
Chemical control on Ivory Coast.
- 94403 RUSS, K. The "plum lymantriid" [*Orgyia antiqua*] an occasional pest of apricots. (Ge) Pflanzenarzt 17(1):7-8. Jan.1,1964. 464.9 P482
- 94404 SCHAEFER, L. Grain weevil [*Sitophilus granarius*] in apples. (Fr) Phytoma 16(155):37. Feb.1964. 464.8 P563
- 94405 SCHVESTER, D. Origin of the symptoms and aspects of the spread of golden flavesence in the grapes. (Fr) Ann. des Epiphyt. 14(3):167-174. 1963. 464.9 F84An  
English summary.
- 94406 SCHVESTER, D., CARLE, P., and MOUTOUS, G. Transmission of golden flavesence in grapes by *Scaphoideus littoralis* Ball. (Homopt. Jassidae); 1961 experiments. (Fr) Ann. des Epiphyt. 14(3):175-198. Ref. 1963. 464.9 F84An  
English summary.
- 94407 SHAUMYAN, K. V. Resistance of varieties of black currant to bud mites and reversion. (Rus) Sadovodstvo 4:40-41. 1964. 80 Sa13
- 94408 SHAW, J. G., and SANCHEZ RIVIELLO, M. Efficacy of sterilization of fruit flies (*Anastrepha ludens* Loew) with tepa and liberated in mango field. (Sp) Fitofilo 16(38):12-16. Apr./June 1963. 421 F55
- 94409 SITUATION in regard to the citrus blackfly (*Aleurocanthus woglumi* Ash.) in Mexico. (Sp) Fitofilo 16(40):42-47. Oct./Dec.1963. 421 F55  
Liberation, recovery, and mortality of its parasites.
- 94410 SMIRNOFF, W. A. Damages caused to small fruits by wasps. (Fr) Quebec Soc. Protect. Plants. Rpt. 43:61-63. 1961, pub.1963. 464.9 Q3
- 94411 STENSETH, C. The raspberry beetle [*Byturus tomentosus*]. (No) Gartneryrket 54(23):724. June 5,1964. 80 G1938  
Control.
- 94412 STOYANOV, D. Investigation on the raspberry cane midge in Bulgaria (Thomasiniana theobaldi Barnes). I. Biology. (Bu) Sofia. Tsent. Nauchnoizsled. Inst. za Zashchitita na Rasteniya. Izv. 4:41-46. 1963. 464.9 So22  
English summary.
- 94413 TUNISIA. SERV. DE LA PRODUCTION VEGETALE ET DE LA DEFENSE DES CULTURES. Rapport d'activite et d'experimentation en defense des cultures en 1961 [Report of activity and of experimentation in plant protection in 1961], by J. Touzeau. Tunis, 1963. 79 p. 423.92 T83  
Chiefly insect pest control of olives, citrus, and kitchen gardens.
- 94414 YABE, R. Control and ecology of *Hepialus aemulus* and *Xylotrechus rufitius* which are found in vineyards near mountains. (Ja) Noko-to-Engei 18(7):24-25. July 1963. 22.5 N693  
Insecticides.

### Pests of Ornamentals, Greenhouses, and Nurseries

- 94415 BOHM, O. New techniques in pest control in greenhouses and on ornamental plants. (Ge) Pflanzenarzt 16(10):127. Oct.1,1963. 464.9 P482  
Insecticides packaged as aerosols in cans.
- 94416 GAMMON, C. Treatment of geranium cuttings by methyl bromide fumigation. Calif. Bur. Ent. & Plant Quar. Memo. E-98,1 p. Nov.8,1963. 423.9 C125  
For control of noctuid moths.
- 94417 KRETZSCHMAR, K. Studies on autumn mites (*Trombicula autumnalis* Shaw.) in allotment gardens. (Ge) Berlin. Humboldt-U. Wiss. Z. Math. Natwiss. Reihe 13(1):95-98. Ref. 1964. 509 B453  
English summary.  
Attacking many plants and controlled with pyrethrum.
- 94418 MORGAN, W. C. Controlling the Bermudagrass mite [*Aceria neocynodonis*]. Weeds & Turf 3(6):8-9. June 1964. 79.8 W413
- 94419 NEISWANDER, R. B. Insect and mite control for the greenhouse vegetable grower. Ohio Veg. & Potato Growers Assoc. Growers Handb. & Annu. Proc. 49:34-38. 1964. 75.9 Oh3
- 94420 PIGNON, C. Observations relative to the employment of pyrethrins in horticulture. (Fr) Pyrethrum Post 7(2):33-36. Oct.1963. 421 P99
- 94421 WILSON, F. L. How good are the formulations you buy? Weeds & Turf 3(1):8-11. Jan.1964. 79.8 W413  
Insecticides for turf.

### Pests of Stored Products and Processed Commodities

- 94422 AGNESI, V. Industrial production of nutritive paste: for their sanitary manufacturing. (It) Corso di Qualificazione Tec. in Ent. Merceologica. Atti 1963:20-23. 1964. 423.92 C81  
Chiefly chemical pest control.
- 94423 ALESSANDRINI, M. E. Insecticides and stored food products. (It) Corso di Qualificazione Tec. in Ent. Merceologica. Atti 1963:57-62. 1964. 423.92 C81
- 94424 BRAIBANTI, G. The problem of infestation as seen by a builder of grain products processing plants. (It) Corso di Qualificazione Tec. in Ent. Merceologica. Atti 1963:14-19. 1964. 423.92 C81
- 94425 CENSI, G. How to control pests of food processing plants and of stored foodstuffs with contact insecticides. (It) Corso di Qualificazione Tec. in Ent. Merceologica. Atti 1963:73-76. 1964. 423.92 C81
- 94426 COTTON, R. T. Pyrethrum—as an insecticide—it's low in toxicity to man and useful in grain bins, flour mills and bakeries. Nowest. Miller 271(1):19-20,22-23. Ref. July 6,1964. 298.8 N81
- 94427 COULON, J. Comparison of the efficacy of synergized pyrethrins and of gamma HCH on *Calendra granaria*. (Fr) Pyrethrum Post 7(2):10-17,36. Oct.1963. 421 P99  
In stored grain.
- 94428 FABER, W. The plant pathologist visits warehouses and mills. (Ge) Pflanzenarzt 17(1):9-11. Jan.1,1964. 464.9 P482  
Includes list of insects and mites found in Austria.
- 94429 FIORENTINI, S. Surroundings, raw materials and infestation of milling and grain product processing plants. (It) Corso di Qualificazione Tec. in Ent. Merceologica. Atti 1963:9-13. 1964. 423.92 C81
- 94430 FRITSCH, E. Pest problems as the practitioner must see them. (Ge) Mullerei 17(24):334-335. June 13,1964. 298.8 M91  
Grain pests.



- 94431 GALLO, F. Biological agents which damage paper materials in libraries and archives. In Thomson, G., ed. Recent advances in conservation, p.55-61. Ref. 1963. 317.9 T36  
Includes insect pests and various methods of control.
- 94432 GARCIA A., P. Inspection of grain and stored products in Central America to determine the possible existence of the khapra beetle. (Sp) Fitofilo 16(39):27-36, map. July/Sept. 1963. 421 F55  
Only *Trogoderma parabole* found, not *Trogoderma granarium*.
- 94433 GAXIOLA ZAMORA, S. Khapra beetle (*Trogoderma granarium* Everts). (Sp) Fitofilo 16 (40):18-23. Oct./Dec. 1963. 421 F55  
Includes worldwide distribution, grains and stored products attacked, and inspection, as a control measure.
- 94434 GRAY, H. E. Fumigation of commodities in transit. Pest Control 32(7):14-15, 70. July 1964. 449.8 Ex8
- 94435 HAYWARD, L. A. W. The international aspect of storage pest control. (It) Corso di Qualificazione Tec. in Ent. Merceologica. Atti 1963: 119-121. 1964. 423.92 C81
- 94436 HOPF, L. Pest control in the field of vision of the times. (Ge) Mullerei 17(24):333-334. June 13, 1964. 298.8 M91  
Grain fumigation.
- 94437 HUQUE, H. Control of stored grain insects by atomic radiation. Trade & Indus. 8(4):498-499, 501. Apr. 1964. 286.8 T674
- 94438 HURLOCK, E. T. The infestation of Canadian produce inspected in United Kingdom ports between 1953 and 1959. Canad. Ent. 95(12):1263-1284. Ref. Dec. 1963. 421 C16  
Grain, oilseeds, their products, and pulses.
- 94439 MARTELLI, G. M., and BINAGHI, G. Infestation by *Ptinus tectus* Boield. discovered in Italy on packages of Norwegian stockfish (Col. Ptinidae). (It) Soc. Ent. Ital. B. 92(5/6):81-83. July 30, 1962. 420 It1
- 94440 MARTELLI, M. General information on insects and mites of foodstuffs. (It) Corso di Qualificazione Tec. in Ent. Merceologica. Atti 1963:27-32. 1964. 423.92 C81  
Includes chemical control.
- 94441 MARTINS, E. B. Pests injurious to stored products. (Por) Gaz. Agr. de Angola 9(5): 1396-1398. May 1964. 24 G252  
Insecticide control.
- 94442 MONTE, G. D. The concept of loss in industrial entomology. (It) Corso di Qualificazione Tec. in Ent. Merceologica. Atti 1963:99-101. 1964. 423.92 C81  
Foodstuffs.
- 94443 MONTE, G. D. Insects and food pastes. (It) Corso di Qualificazione Tec. in Ent. Merceologica. Atti 1963:50-53. 1964. 423.92 C81
- 94444 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGY BR. Household insect pests and their control. N. S. Wales. Dept. Agr. Insect Pest L. 47, ed. 10, 32 p. 1964. 423.92 N47  
Chemical.
- 94445 PALMA, L. DE. How to control pests of food processing plants and of stored foodstuffs with fumigants. (It) Corso di Qualificazione Tec. in Ent. Merceologica. Atti 1963:63-72. 1964. 423.92 C81
- 94446 RUDD, A. G. Khapra beetle, *Trogoderma granarium*, Everts, intercepted at Vancouver, B.C. Ent. Soc. Brit. Columbia. Proc. 60:45. 1963. 420 B77
- 94447 SANDOR, F. Control of storage pests. (Hu) Magyar Mezogazdasag 19(26):20. June 24, 1964. 19 M27  
Chiefly with DDT.
- 94448 TANNERT, W. On the noxiousness of spider mites (Acari-Tetranychidae), with suggestions for prophylaxis. (Ge) Berlin. Humboldt-U. Wiss. Z. Math. Natwiss. Reihe 13(1):119-122. 1964. 509 B453  
English summary.  
Chiefly *Bryobia* spp. invading apartment houses from southern exposures; cultural means of control.
- 94449 WATKINS, J. A. A guide to successful boxcar fumigation. Pest Control 32(7):20, 22, 24. July 1964. 449.8 Ex8  
Methods and equipment.

# Pests of Trees and Wood Products

- 94450 ADELI, E. Information on the insect fauna of the nature reserve near Sababurg in Reinhardswalk. (Ge) Z. f. Angew. Ent. 53(4):345-410, map. Ref. Apr. 1964. 421 Z36  
English summary.  
Chiefly Coleoptera, including those from fallen trees.
- 94451 BATZER, H. O., and WATERS, W. E. Forest tent caterpillar [*Malacosoma distria*]. U. S. Forest Serv. Forest Pest L. 9, rev., 4 p. June 1964. A423.9 F764  
Life history, natural control, and control with DDT.
- 94452 BECKER, G. The influence of protein content of wood on the larval growth of the old house borer [*Hylotrupes bajulus*]. (Ge) Z. f. Angew. Ent. 52(4):368-390. Ref. Oct. 1963. 421 Z36  
English summary.
- 94453 BOBINSKI, J. Control of longhorn beetle [*Saperda carcharias*] by tamponing and filling holes in trees. (Pol) Las Polski 38(2):9. Jan. 16/31, 1964. 99.8 L33  
Pest of poplar; control with tampons soaked in insecticides.
- 94454 BRAMMANIS, L. The pine bug [*Aradus cinnamomeus*], a new pest in Norrland. (Sw) Norrlands Skogsvardsforbund. Tidskr. 1:43-51. Ref. 1964. 99.9 N77  
German summary.
- 94455 BRIOLINI, G. Paraleucoptera (*Cemistoma*) sinuella Reutti leaf-miner of Canadian poplar; preliminary note. (It) Bologna. U. Ist. di Ent. B. 26:21-28. 1962/63. 420 B63  
English summary.  
In forests of Bologna.
- 94456 BURRIER, T. Air striking the hemlock looper [*Lambdina fiscellaria lugubrosa*]. Weeds & Turf 3(4):12-14. Apr. 1964. 79.8 W413  
Use of DDT and Sevin in Washington.
- 94457 COPPEL, H. C., and SMYTHE, R. V. Occurrence of spiders on eastern white pine trees infested with the introduced pine sawfly, *Diprion similis* (Htg.). Forestry Res. Notes 102, 7 p. Nov. 1963. 99.8 F76292  
Wisconsin.
- 94458 CORNELIUS, R. O. Forest management and pesticides. Natl. Agr. Chem. Assoc. News & Pesticide Rev. 22(4):3-5. Apr. 1964. 421 Ag8  
Chiefly insecticides.
- 94459 DOBRIVOJEVIC, K. Some observations on the mass occurrence of gypsy moth in the district of Valjevo from 1947-1961. (Se) Zastita Bilja 76:677-692, map. Ref. 1963. 464.8 Z1  
English summary.  
Outbreaks of *Porthetria dispar* in forests and orchards.
- 94460 DOUROJEANNI RICORDI, M. The bud borer (*Hypsipyla grandella*) in cedar and mahogany trees. (Sp) Agronomia [Lima] 30(1):35-43. 1963. 9.8 Ag83
- 94461 EIDMANN, H. On diapause of some forest insects. (Ge) Z. f. Angew. Ent. 52(4):362-367. Oct. 1963. 421 Z36  
*Hylobius abietis*, *Coleophora laricella*, and *Epilampsis boops*.
- 94462 FAVARD, P. Substantial damage by a native membracid [*Centrotus cornutus*] in Hyeres area. (Fr) Phytoma 146:65-66. Mar. 1963. 464.8 P563  
Done to Phoenix canariensis.
- 94463 GUNN, W. C. Builder "sandwiches" vapor barrier; gives termites twenty-acre feast. Pest Control 32(7):50, 52, 54, 56. July 1964. 449.8 Ex8
- 94464 HERREBOUT, W. M., KUYTEN, P. J., and RUITER, L. DE. Observations on colour patterns and behaviour of caterpillars feeding on Scots pine with a discussion of their possible functional significance. Arch. Neerland. de Zool. 15(3):315-357. Ref. Mar. 1963. 410 Ar27  
Includes mimicry.

- 94465 HODSON, A. C., and LOFGREN, J. A. Recognition and control of scale insects on trees and shrubs. Minn. U. Agr. Ext. Folder 207, rev., 8 p.-folder. Apr. 1964. 275.29 M66Ex Use of insecticides.
- 96466 AN INJURIOUS insect of the Eucalyptus in Sardinia. (It) Cellulosa e Carta 15(4):17-20. Apr. 1964. 302.9 En8 Apathe monachus.
- 96467 JANNONE, G., and BINAGHI, G. Prove di lotta control' acaro delle conifere [Trials on control of the mite of conifers] [Paratetranychus unguis]. Genoa. Osserv. Ma. delle Piante, Mem. 16(2), 6 p. 1962. 464.9 G283 With Ovomitex K, a formulation based on fen-son and Kelthane.
- 94469 KABIR, A. K. M. F. The Columbian timber beetle [Corthylus columbianus] and its associated micro-organisms in soft maple. Diss. Abs. 24(12, pt. 1):4894-4895. June 1964. 241.8 M58
- 94469 KISS, L. Proper use of plant protection materials. (Hu) Erdgazdasag es Faipar 18(6):15. June 1964. 99.8 Er2 HCH in forest pest control.
- 94470 KLIEFOTH, R. A., VITE, J. P., and PITMAN, G. B. A laboratory technique for testing bark beetle attractants. Boyce Thompson Inst. Contrib. 22(6):283-290. Apr./June 1964. 451 B69 Ips confusus and I. ponderosae as test insects.
- 94471 KOEHLER, C. S. Insect control on mature trees. Arborist's News 29(6):41-43. June 1964. 99.8 Ar14 Chiefly chemical.
- 94472 KOLONITS, J. Control of Evetria. (Hu) Erdo 13(5):221-224. May 1964. 99.8 Er22 DDT, HCH and parathion in Evetria buoliana and E. turionana control on pine.
- 94473 LEKIC, M. A contribution to the study of ecology and possibilities of control of Oherea oculata L. (Se) Zastita Bilja 76:593-607. 1963. 464.8 Z1 English summary. Pest of wicker willow.
- 94474 PISKORZ, M. Bacteria and viruses in control of insect pests of the forests. (Pol) Las Polski 38(3):11-12. Feb. 1/15, 1964. 99.8 L33
- 94475 POPOVA, I. Relative resistance of chestnut (Castanea sativa Mill.) to chestnut weevil—Curculio (Balaninus) elephas Gyll. (Bu) Sofia. Tsent. Nauchnoizsled. Inst. za Zashchita na Rastenyata. Izv. 4:159-168. 1963. 464.9 So22 English summary.
- 94476 REICHART, G., SARINGER, GY., and SZALAY-MARZSO, L. Data on the knowledge of cicades living on basket willow stands in Hungary. (Hu) Rov. Kozlem. (n.s.) 15:465-501, map. Ref. 1962. 420 So12 German summary.
- 94477 RICHTER, D. Comparison of inspection methods for the nun moth (Lymantria monacha L.) in pine stands. (Ge) Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 17(3):55-62. Ref. Mar. 1963. 464.9 N11 English summary. Population samplings of eggs, pupae, or imago for forecasting purposes.
- 94478 ROSS, D. A., and ARRAND, J. Preliminary insecticide tests against the Douglas-fir needle midges, Contarinia spp., Larkin, B. C., 1962. Ent. Soc. Brit. Columbia, Proc. 60:32-33. 1963. 420 B77
- 94479 SCHEDL, W. Biology of the oak bark borer, Xyleborus monographus Fab. (Scolytidae, Coleoptera). (Ge) Z. f. Angew. Ent. 53(4):411-428. Ref. Apr. 1964. 421 Z36 English summary.
- 94480 SCHIMITSCHEK, E. The influence of the warm slopes and poor, degraded soil on the population density of primary needle-eating pests in the natural range of distribution of the host plant. Preliminary report. (Ge) Z. f. Angew. Ent. 53(1):69-81. Dec. 1963. 421 Z36 English summary. Outbreaks of Coleophora laricella, and Epiblema tedella on larch and spruce and Semasia diniana on larch.
- 94481 SCHIMITSCHEK, E. Lists from 1934-1936 and 1940-1953, of reared parasites and their hosts. (Ge) Z. f. Angew. Ent. 53(3):320-341. Ref. Feb. 1964. 421 Z36 English summary. Forest insects from Austria and Czechoslovakia.
- 94482 SCHWENKE, W. Successful experiments on biological control of the forest pests, Diprion pini L. (Hymen., Tenthr.) and Panolis flammea Schiff. (Lepid., Noct.) by means of Chalcididae (Hymen.). (Ge) Z. f. Angew. Ent. 53(2):179-186. Jan. 1964. 421 Z36 English summary. Dahlbominus fuliginosus used against Diprion ulmi; and Dirhicnus alboannulatus against Panolis flammea in Bavaria.
- 94483 SLOAN, N. F., and COPPEL, H. C. Record of the larch shoot moth [Argyresthia laricella] and some of its parasites in Wisconsin. Forestry Res. Notes 108, 3 p. Dec. 1963. 99.8 F76292
- 94484 SMIRNOFF, W. A. Preparation and application of viral material, in biological control of the jack pine sawfly. Forestry Chron. 40(2):187-194. June 1964. 99.8 F7623 Polyhedrosis against Neodiprion swainei.
- 94485 SZONTAGH, P. Preventive and control measures against Malacosoma neustria L. (Hu) Erdesz Kutatasok 59(3):97-109. Ref. 1963. 99.9 Er24 German summary. Chiefly DDT control on oak.
- 94486 TEOCCHI, P. Addition to the list of species parasitized by the larvae of Aegosoma scabricorne Scop. and of Niphona picticornis Muls. (Coleopt. Cerambycidae). (Fr) Entomologiste 19(5/6):89-91. Dec. 1963. 421 En814 Forest pests.
- 94487 TROIL, B. L. VON. Spanish foresters gun down caterpillars. World Wood 5(2):32. Apr. 1964. 99.8 W89 Control of Thaumetopoea pityocampa in Pinus sylvestris stand.
- 94488 U. S. FOREST SERV. Forest insect conditions in the United States, 1963. Washington, 1964. 39 p. A423.9 F763
- 94489 U. S. FOREST SERV. Pesticide study program announced. Natl. Agr. Chem. Assoc. News & Pesticide Rev. 22(4):5. Apr. 1964. 421 Ag8 Insecticidal and biological control, at headquarters in Berkeley, California.
- 94490 U. S. FOREST SERV. PACIFIC NORTHWEST REGION. A survey of western pine beetle damage on the Fremont National Forest using color photographs, by R. E. Dolph, and J. F. Wear. Portland, Oreg., 1963. 15 p., map. A423 F7682 Dendroctonus brevicomis.
- 94491 WOODS, T. A. D. The eastern larch beetle, Dendroctonus simplex LeC. in British Columbia. Proc. 60:44, 1963. 420 B77 On Larix laricina.
- 94492 ZLATANOV, S. Phylloxera spinulosa Targ-Tozz.—morphology, biology, and means of control. (Bu) Tolbukhin. Inst. po Pshenitsata i Slunchogleda. Izv. 5:37-46. 1963. 59.9 T572 English summary. Pest of Quercus cerris.

#### Apiculture and Apis Mellifera

- 94493 ADAMOVIC, Z. R. Ekologija nekih vrsta fam. (Asilidae Diptera) i njihov odnos prema domaćim pceli (Apis mellifica L.). Ecology of some asilid-species (Asilidae, Diptera) and their relation to honeybee (Apis mellifica L.). Beograd, 1963. 102 p. (Belgrade. Prirodnjacki Muzej. Posebna Izdanja. No. 30) 428 Ad1 English summary.
- 94494 AMARAL, E. The work of Apis mellifera L. in restricted space. (Por) Rev. de Agr. [Piracicaba] 38(4):197-202. Dec. 1963. 9.2 R324 English summary. Nectar and pollen collection.



- 94495 ARSENOV, L. Studies on the spread of the American foulbrood in the area of the district Veterinarniya Institut. V. Tirmovo. (Bu) Akad. Selsk. Nauk. Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:203-211, map. 1963. 41.9 So2  
English summary.
- 94496 ARWIDSSON, E. Apiculture in Norrbotten, a production for specialists only. (Sw) Norrbottens Lantmannabl. 5:96-97. July/Aug. 1963. 11 N792
- 94497 AUTRUM, H., and HAMDORF, K. Oxygen consumption of the honey bee eye depending upon temperature in darkness and light. (Ge) Z. f. Vergleichende Physiol. 48(3):266-269. 1964. 444.8 Z3
- 94498 BAILEY, L. Infectious diseases of the honeybee. London, Land Books, 1963. 175 p. 424 B151
- 94499 BAILEY, L. The "Isle of Wight disease;" the origin and significance of the myth. Ilford, Essex, 1963. 9 p. 424 B15
- 94500 BALDENSBERGER, N. France's southern bee laboratory. Amer. Bee J. 104(7):256-257. July 1964. 424.8 Am3  
Ministere de l'Agriculture; Nice.
- 94501 BECK, C. R. Beeswax preparation. Amer. Bee J. 104(7):254. July 1964. 424.8 Am3
- 94502 BECK, C. R. Economics applied to beekeeping. Amer. Bee J. 104(7):250-251. July 1964. 424.8 Am3
- 94503 BENECKE, F. S. Beehive design and maintenance. Sydney, New South Wales, Dept. Agr., Div. Anim. Indus., 1963. 6 p. 424 B432
- 94504 BERAN, F. Recognition of the toxicity to bees of 1-naphthyl-N-methylcarbamate (Sevin). (Ge) Pflanzenschutzberichte 29(11/12):169-177. Ref. June 1963. 464.9 P48  
English summary.  
Aphis mellifera.
- 94505 BOTTCHER, F. K. Bienenzucht als Erwerb, ein Handbuch für den wirtschaftlich arbeitenden Imker [Apiculture as a livelihood; a handbook for the economically operating beekeeper]. München, Ehrenwirth, 1963. 231 p. 424 B652B
- 94506 BYCHKOV, K. YA. An electron microscopic study of Bacillus alvei and of the alvei phage. (Rus) Mikrobiologiya 33(1):88-90. Jan./Feb. 1964. 448.3 M582  
English summary.  
Pathogenic to honey bee.
- 94507 CAILLAS, A. Dance of the bees. (Fr) Gaz. Apic. 65(683):50-53, map. Mar. 1964. 424.8 G25  
Flight of drones to virgin queens.
- 94508 CAILLAS, A. Do bees have a sense of taste? (Fr) Gaz. Apic. 64(682):26-28. Feb. 1964. 424.8 G25
- 94509 CAILLAS, A. Do the bees have their own language? (Fr) Gaz. Apic. 65(684):74-76. Apr. 1964. 424.8 G25
- 94510 CAILLAS, A. The Guinean bee. (Fr) Gaz. Apic. 65(686):122-123. June 1964. 424.8 G25  
Races.
- 94511 CHAUVIN, R. Simultaneous recording experiments of the main phenomena in the life of the hive. (Fr) Ann. de l'Abeille 6(3):167-183. 1963. 424.9 F842  
English summary.  
Includes equipment.
- 94512 DAALEN, N. VAN. He who has the better race, throw the first stone on Carnica. (Du) Bijenteelt 66(3):39. Mar. 1964. 424.9 V58
- 94513 DEANS, A. S. C. Beekeeping techniques. Edinburgh, Oliver & Boyd, 1963. 160 p. 424 D34B  
Breeding.
- 94514 DELVERT-SALLERON, F. A radio-isotope study of the food exchange between queens, males and workers of Apis mellifica L. (Fr) Ann. de l'Abeille 6(3):201-227. Ref. 1963. 424.9 F842  
English summary.
- 94515 EUVERTE, G., and MARTOURET, D. Contribution on the use of B. thuringiensis Berliner for the preservation of beeswax from the action of Galleria mellonella L. (Fr) Ann. de l'Abeille 6(4):266-276. Ref. 1963. 424.9 F842  
English summary.
- 94516 FODOSOV, N. Beekeeping—the Russian way. Indian Livestock 1(3):6-7. July/Sept. 1963. 49 In23
- 94517 FRESNAYE, J. Orientation errors of bees (drift) in the modern apiary. (Fr) Ann. de l'Abeille 6(3):185-200. 1963. 424.9 F842  
English summary.
- 94518 FRISCH, K. VON. Bee clock and flower clock. (Ge) Z. f. Tierpsychol. 20(4):441-445. Ref. Oct. 1963. 410 Z35  
English summary.  
Honey bee.
- 94519 FRITZSCH, W. Prophylactic bases in state control of bee diseases and outline of the new edition of the regulation for bee protection. (Ge) Monh. f. Vetmed. 19(1):27-34. Jan. 1, 1964. 41.8 M742
- 94520 FYG, W. A simple method for the elective dyeing of microorganisms in smears and tissue slides. (Ge) Z. f. Bienenforsch. 6(7):179-183. July 1963. 424.8 Z3  
English summary.  
Apis mellifera diseases.
- 94521 GIORDANI, G. Laboratory research on Acarapis woodi Rennie, the etiological agent of acarine disease of bees (Apis mellifica). 2. (Fr) B. Apic. 6(2):193-203. Second Semes. 1963. 424.8 B872  
English summary.  
Text also in Spanish, p. 186-192.  
Includes external Acarapis spp.
- 94522 GONTARSKI, H., and HOFFMANN, I. Uptake and elaboration of sugar-containing food by the honeybee. (Ge) Z. f. Bienenforsch. 6(7):184-198. Ref. July 1963. 424.8 Z3  
English summary.  
Honey enzymes.
- 94523 GROUT, R. A., ed. The hive and the honey bee. Rev. ed. Hamilton, Ill., Dadant, 1963. 556 p. 424 G912
- 94524 HAMORI, J. Electron microscope studies on neuromuscular junctions of end-plate type in insects. Acta Biol. 14(3):231-245. Ref. 1963. 475 Ac85  
Apis mellifica, Cetonina aurata and Geotrupes vernalis as test insects.
- 94525 HAUSWIRTH, D. Need for a rational apiculture to reinstate the drones. (Fr) Gaz. Apic. 65(684):86-87. Apr. 1964. 424.8 G25  
Their role in the hive.
- 94526 HOLTERMAN, G. Added value for terramycin. Amer. Bee J. 104(7):255. July 1964. 424.8 Am3  
In food to prevent disease.
- 94527 HSIA, P. Y. Analysis of free amino acids in royal jelly. (Ch) Acta Ent. Sinica 12(3/4):519-521. July/Sept. 1953. 421 K96
- 94528 INOUE, T. The mystery of royal jelly and how to collect it. (Ja) Noko-to-Engei 18(5):90-91. May 1963. 22.5 N693
- 94529 JOHANSSON, D., and STENMARK, A. Toxicity to bees. (Sw) Kem. Vaxtskyddsmedel 1963:25-26. 385 K313  
Of economic poisons.
- 94530 KENNERLY, A. B. Why do they die? Gleanings Bee Cult. 92(7):410-412. July 1964. 424.8 G47  
Losses from insecticide poisoning and disease.
- 94531 KHALIFMAN, I. Results of varied rearing conditions of honey bee larvae transmitted to progeny. (Rus) Vest. Sel'skokhoz. Nauki [Moscow] 2:109-116. Ref. Feb. 1964. 20 V633  
English summary.  
Workers.
- 94532 KLIMENKOVA, E. T. Spravochnik pchelovoda [Handbook for apiculturist]. Minsk, Gosudarstvennoe Izdatel'stvo Sel'skokhozyaistvennoi Literatury BSSR, 1963. 360 p. 424 K682
- 94533 KOBEL, F. The demands of bee breeding based on latest results of research. (Ge) Schweiz. Bienen-Ztg. (n.s.) 87(6):279-292. June 1964. 424.8 Sch9
- 94534 KOBEL, F. The present status of our bee breeding. (Ge) Schweiz. Bienen-Ztg. (n.s.) 87(7):350-358. July 1964. 424.8 Sch9

- 94535 KOMORA, J. Vcelarska rocenka [Yearbook of apiculture]. Bratislava, Slovenske Vydavatel'stvo Podohospodarskej Literatuty, 1963. 316 p. (Edicia Pol'ovnictva, Rybarstva a Vcelarstva, No. 9) 424 K83
- 94536 KULIKOV, N. S., and LEPESHENKOV, A. E. Antibiotics for control of European foulbrood. (Rus) Pchelovodstvo 4:20-21. Apr.1964. 424.8 P295
- 94537 KUMBKARNI, C. G. Cytological studies in Hymenoptera. II. Cytology of parthenogenesis in the honey-bee, *Apis dorsata*. Indian J. Expt. Biol. 2(2):65-68. Apr.1964. 442.8 In2  
Includes spermatogenesis and meiosis.
- 94538 LAKSHMINARAYANA, K. V. The Indian hive bee *Apis indica* Fabr. (Hymenoptera) and *Sapinus emarginatus* Vahl with a note on *Acarapis woodi* (Rennie) (Acarina). Bombay Nat. Hist. Soc. J. 60(3):749-750. Dec.1963. 513 B63
- 94539 LAVIE, P., and FRESNAYE, J. Experiments with a high placed pollen trap. (Fr) Ann. de l'Abeille 6(4):277-301. Ref. 1963. 424.9 F842  
English summary.  
Statistical studies of collection by bees.
- 94540 LEON GARRE, A. The perception of time in animals. (Sp) Cult. Mod. 47(4):129-130. Apr. 1964. 15 C89  
*Apis mellifera*.
- 94541 LIEPELT, W. The protective effect of sting-venom against the tyrant fly catcher and the garden red start. (Ge) Zool. Jahrb. Abt. f. Allg. Zool. u. Physiol. der Tiere 70(2):167-176. Mar.30,1963. 410 Z751Z  
Venom from *Apis mellifera* and *Vespa germanica*.
- 94542 LOUIS, J. Study of the discoidal-point translocation in the wing of bees. (Fr) Ann. de l'Abeille 6(4):303-320. Ref. 1963. 424.9 F842  
English summary.
- 94543 LOUIS, J. Variations in the pollen associations observed in honeys gathered from the same area by bees belonging to different sub-species. (Fr) Ann. de l'Abeille 6(3):235-244. 1963. 424.9 F842  
English summary.  
Proboscis length.
- 94544 LOUVEAUX, J., and ALBISETTI, J. Preliminary observations on pollen gathering by bees in the "Grandes Landes" of the Landes forest. (Fr) Ann. de l'Abeille 6(3):229-234. 1963. 424.9 F842  
English summary.  
In nutrition.
- 94545 LUDWIG, A., and MAIER, K. Neuzeitliche Weiselzucht [Modern queen rearing]. Ed. 4. Berlin, Pfenningstorff, 1963? 51 p. 424 L96L
- 94546 MCKINLEY, W. Establishing outyards. Gleanings Bee Cult. 92(7):393-399. July 1964. 424.8 G47  
Location of apiaries.
- 94547 MARCHI, R. The imminent spring and apiculture. (It) Allevatore 20(11):4. Mar.15,1964. 49 AL55  
Colony management.
- 94548 MARTOURET, D., and EUVERTE, G. The effect of *Bacillus thuringiensis* Berliner preparations on the honey bee under conditions of forced feeding. J. Insect Path. 6(2):198-203. Ref. June 1964. 421 J826  
Commercial preparations of spore-crystals.
- 94549 MIN'KOV, S. G., and PLOTNIKOV, I. S. Spravochnik pchelovoda [Handbook for apiculturist]. Kazakhshoe Gosudarstvennoe Izdatel'stvo Sel'skokhozyaistvennoi Literatury, 1963. 269 p. 424 M663S
- 94550 MORSE, R. A. Removing the orange honey crop. Gleanings Bee Cult. 92(7):404-407. July 1964. 424.8 G47  
Florida; includes equipment.
- 94551 NAZAROV, S. S. Herbicides and bees. (Rus) Pchelovodstvo 5:39-40. May 1964. 424.8 P295
- 94552 NAZAROV, S. S. Prevention of poisoning of honey bees. (Rus) Pchelovodstvo 3:38-39. Mar.1964. 424.8 P295  
By economic poisons.
- 94553 NIEMCZUK, R. Evaluation of the therapeutic value of Fumidil B when used in combination with winter time feeding of honey bees infected with *Nosema apis*. (Pol) Wiad. Parazytol. 10 (1):51-58. Ref. 1964. 436.8 W63  
English summary.
- 94554 NURI, Q. Morphological peculiarities of the native bee. (Al) B. i Shkencave Bujqesore 2 (4):126-150. Ref. 1963. 21.5 B87  
English summary.  
Variety of *Apis mellifera carnica*.
- 94555 OERTEL, E. Nosema disease in the Baton Rouge area. Gleanings Bee Cult. 92(7):427-430, 437. July 1964. 424.8 G47
- 94556 PARTIOT, L. Apiculture in Australia. (Fr) Gaz. Apic. 65(686):125-128. June 1964. 424.8 G25
- 94557 PARTIOT, L. Apiculture in the Chinese People's Republic. (Fr) Gaz. Apic. 64(682):31-34. Feb.1964. 424.8 G25
- 94558 PARTIOT, L. Placebo and apiculture. (Fr) Gaz. Apic. 65(684):81-84. Apr.1964. 424.8 G25  
Chiefly on frames.
- 94559 PROKOF'EVA, I. V. Bee eater [*Merops apister L.*] (Rus) Pchelovodstvo 5:41. May 1964. 424.8 P295
- 94560 REXOVA, L., and MARKOVIC, O. Chemical characteristics of some lower molecular components of bee venom. (Cz) Chem. Zvesti 17 (12):884-890. Ref. 1963. 385 C4232  
German summary.
- 94561 ROMEYN, P. J. Experiences with Carniolans. (Du) Bijenteelt 66(3):43-44. Mar.1964. 424.9 V58
- 94562 ROUSSEAU, M. Action of erythromycin in the treatment of European foulbrood. (Fr) B. Apic. 6(2):204-216. Second Semes.1963. 424.8 B872  
English summary.
- 94563 ROUSSY, L. A apiary in the Alpine undergrowth. (Fr) Gaz. Apic. 64(682):29-30. Feb. 1964. 424.8 G25  
Switzerland.
- 94564 ROUSSY, L. Filth, new dangers of infection for our bees. (Fr) Gaz. Apic. 65(684):80. Apr.1964. 424.8 G25  
Danger from garbage dumps.
- 94565 ROUSSY, L. Observations on eyes and of worker bees; structure, anatomy, pigmentation. (Fr) Gaz. Apic. 65(683):54-57,71. Ref. Mar. 1964. 424.8 G25
- 94566 ROUSSY, L. On a case of spontaneous modification in the habits of the worker bee. (Fr) Gaz. Apic. 65(686):124. June 1964. 424.8 G25
- 94567 SAVOV, D., and ARSENOV, L. The effect of some chemical substances and physical agents on the American foulbrood. (Bu) Akad. Selsk. Nauk, Bulg. Vet. Inst. Zarazni Parazitarn. Bolesti. Izv. 8:195-202. 1963. 41.9 So2  
41.9 So2  
English summary.  
Heat, hot water and sodium hydroxide effect on *Bacillus* larvae.
- 94568 SCHONI, E. Primer for queen breeding. (Ge) Schweiz. Bienen-Ztg. (n.s.)87(7):361-363. July 1964. 424.8 Sch9
- 94569 SIMPSON, J., and RIEDEL, I. B. M. Discharge and manipulation of labial gland secretion by workers of *Apis mellifera* (L.) (Hymenoptera: Apidae). Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 39(4/6):76-82. July 7,1964. 420 L84Pa
- 94570 SIMPSON, J. The mechanism of honey-bee queen piping. Z. f. Vergleichende Physiol. 48 (3):277-282. Ref. 1964. 444.8 Z3  
Sonification.
- 94571 SMITH, F. G. Beekeeping; a beginner's guide to profitable honey and beeswax production. London, Oxford U. Press, 1963. 129 p. (Oxford Tropical Handbooks) 424 Sm5B
- 94572 SNELGROVE, L. E. Swarming, its control and prevention. Ed. 11. Bleadon, Weston-Super-Mare, Snelgrove, 1963. 110 p. 424 Sn2
- 94573 SPATARU, C. Bee hibernation in the climatic conditions of Banat. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:289-295. Ref. 1963. 106.4 T48  
English summary.



- 94574 SPIELMANN, O. The spring harvest. (Ge) Schweiz. Bienen-Ztg. (n.s.)87(7):346-349. July 1964. 424.8 Sch9  
Honey estimates.
- 94575 STEWART, L. R. Preference for colors. Amer. Bee J. 104(7):255. July 1964. 424.8 Am3  
Beehive frames.
- 94576 SURIN, N. G. Control of acarine disease. (Rus) Pchelovodstvo 1:39-40. Jan.1964. 424.8 P295
- 94577 TABARLY, O., and MONTEIRA, E. Comparative effects of some antibiotics on microbial strains and on bees. (Fr) B. Apic. 6(2):217-230. Ref. Second Semes.1963. 424.8 B872  
English summary.  
On *Bacillus alvei*, *B. eurydice* and *B. cereus*.
- 94578 THURM, U. The receptor potential of single mechanoreceptor cells of the honey bee. (Ge) Z. f. Vergleichende Physiol. 48(2):131-156. Ref. 1964. 444.8 Z3  
English summary.
- 94579 TOUMANOFF, C. Description of a crystal-bearing *Bacillus cereus* from the digestive tract of the common bee; practical implications. (Fr) Ann. de l'Abeille 6(4):257-266. Ref. 1963. 424.9 F842  
English summary.  
Pathogenic to *Achroae grisella*.
- 94580 UNION ZUM STUDIUM DER SOCIALEN INSEKTEN, GRAZ, 1963. Papers read at meeting. 1. Deut. Bienenwirt. 15(2):30-33. Feb. 1964. 424.8 D489  
Includes abstracts of papers on *Apis mellifera*.
- 94581 VELTHUIS, H. H. W. Swarming and scientific research. (Du) Bijenteelt 66(5):69. May 1964. 424.9 V58
- 94582 VEREIN DEUTSCHSCHWEIZERISCHER BIENENFREUNDE. Annual report of the activity of the sections during the year 1963, by G. Fischer. (Ge) Schweiz. Bienen-Ztg. (n.s.)87(7):336-346. July 1964. 424.8 Sch9
- 94583 VÖVK, A. M. Device for listening to bees in beehives. (Rus) Veterinariya 3:103-104. Mar. 1964. 41.8 V6426
- 94584 VRIES, O. DE. Swarming devils. (Du) Bijenteelt 66(5):70-71. May 1964. 424.9 V58  
*Apis mellifera*.
- 94585 WIPFLI, E. Foulbrood insurance in the year 1963. (Ge) Schweiz. Bienen-Ztg. (n.s.)87(6):292-296, map. June 1964. 424.8 Sch9
- Sericulture and the Silkworm**
- 94586 AIZAWA, K., and SATO, F. Effect of Doom upon the silkworm, *Bombyx mori*. (Ja) Sansi-Kenkyu 48:27-29. Oct.1963. 425.9 J273S  
English summary.  
*Bacillus popilliae* preparation.
- 94587 AKAI, H. Electron microscopical observation on the fibroin formation in the silk gland of the silkworm, *Bombyx mori* L. (Ja) Japan. Sericult. Expt. Sta. B. 18(4):271-282. Ref. May 1963. 425.9 J273B  
English summary.
- 94588 ARAI, N., and ITO, T. Food values of mulberry leaves for the silkworm, *Bombyx mori* L., determined by means of artificial diets. II. Comparison between soft leaves and hard leaves. (Ja) Japan. Sericult. Expt. Sta. B. 18(4):231-250. May 1963. 425.9 J273B  
English summary.
- 94589 BASTIANI, D. DE. Comparative tests of feeding and rearing silkworms (*Bombyx mori* L.). 1. (It) Agr. delle Venezie 18(4):264-276. Ref. Apr.1964. 16 Ag826
- 94590 BYORI KENKYU-SHITSU CHODA GOKAI. On the regional differences in the rate of appearance of polyhedroses in silkworms treated by low temperature. (Ja) Sansi-Kenkyu 45:51-59. Jan.1963. 425.9 J273S
- 94591 CHANG, C. K., LIU, F., and FENG, H. Studies on metabolism of eri-silkworm [*Philosamia cynthia ricini*] during metamorphosis. I. (Ch) Acta Ent. Sinica 12(3/4):412-422. Ref. July/Sept.1963. 421 K96  
English summary.
- 94592 ENTE NAZIONALE SERICO. Campagna baccologica 1963; dati statistici definitivi [Sericultural campaign 1963; final statistical data]. Ente Naz. Serico. B. di Inform. Seriche 52, 16 p. Dec.25,1963. 425.9 En8B
- 94593 FUJIMOTO, I. Sclerosis of *Bombyx mori* moth. 2. (Ja) Sansi-Kenkyu 46:30-38. Apr.1963. 425.9 J273S  
Fungus disease.
- 94594 FUKUDA, T., KAMEYAMA, T., and MATSUDA, M. A correlation between the mulberry leaves consumed by the silkworm larva in different ages of the larval growth and the production of the cocoon fibre spun by the silkworm larva and of the eggs laid by the silkworm moth. (Ja) Japan. Sericult. Expt. Sta. B. 18(3):157-164. Ref. Jan.1963. 425.9 J273B  
Text also in English, p.165-171.
- 94595 FURUTA, Y., and SATO, C. A solution of silkworm polyhedrosis by means of chlorinated lime. (Ja) Sansi-Kenkyu 48:35-39. Oct.1963. 425.9 J273S
- 94596 FURUTA, Y. Virus infection in the feces evacuated by silkworms suffering from cytoplasmic polyhedrosis. (Ja) Sansi-Kenkyu 48:30-34. Oct.1963. 425.9 J273S
- 94597 HU-PEI SHENG, HUANG-KANG CHUAN SHU, NUNG YEH CHU. Research on the fixed increase of cocoons. (Ch) Chung Kuo Nung Pao 4:1-6. Apr.1963. 22.5 C473  
*Bombyx mori*.
- 94598 HUKUHARA, T. Induction of epidermal tumor in *Bombyx mori* (Linnaeus) with Tipula iridescent virus. J. Insect Path. 6(2):246-248. June 1964. 421 J826
- 94599 ITO, T., and ARAI, N. Food values of mulberry leaves for the silkworm, *Bombyx mori* L., determined by means of artificial diets. I. Relationship between kinds of mulberry leaves and larval growth. (Ja) Japan. Sericult. Expt. Sta. B. 18(4):209-229. Ref. May 1963. 425.9 J273B  
English summary.
- 94600 ITO, T., and others. Food values of mulberry leaves for the silkworm, *Bombyx mori* L., determined by means of artificial diets. III. Drying conditions of mulberry leaves in the preparation of leaf powder and storing conditions of dried mulberry leaves. (Ja) Japan. Sericult. Expt. Sta. B. 18(4):251-269. May 1963. 425.9 J273B  
Y. Horie, M. Tanaka, and K. Watanabe, joint authors.  
English summary.
- 94601 KAWASE, S. The amino-acid composition of viruses and their polyhedron proteins of the polyhedroses of the silkworm, *Bombyx mori* (Linnaeus). J. Insect Path. 6(2):156-163. Ref. June 1964. 421 J826
- 94602 KOIZUMI, J., HASHIDZUME, T., and KOHARI, H. The light sensitive region of *Bombyx mori* pupae. 2. (Ja) Sansi-Kenkyu 45:9-11. Jan. 1963. 425.9 J273S
- 94603 KOIZUMI, J., HASHIDZUME, T., and KOHARI, H. The movement of mature silkworms. (Ja) Sansi-Kenkyu 45:12-19. Jan.1963. 425.9 J273S
- 94604 KOIZUMI, J., SHIOMI, A., and KOHARI, H. Transference of pigment in the compound eye of *Bombyx mori* varieties which vary as to light receptivity. (Ja) Sansi-Kenkyu 45:6-8. Jan. 1963. 425.9 J273S
- 94605 LINZEN, B., and WYATT, G. R. The nucleic acid content of tissues of cecropia silkworm [*Hyalophora cecropia*] pupae. Biochim. et Biophys. Acta 87(2):188-198. Ref. June 22, 1964. 381 B522
- 94606 LUI, S. C., and others. The relationship between the increase and decrease of sugars and the organic and amino acids in the silkworms and *Morus* leaves. (Ch) Acta Ent. Sinica 12(3/4):432-446. Ref. July/Sept.1963. 421 K96  
T. C. Fang, T. J. Huang, C. H. Huang, and C. W. Chu, joint authors.  
Russian summary.
- 94607 NAKAMURA, T., and SHO, S. Studies on silkworm tyrosinase. J. Biochem. 55(5):510-515. Ref. May 1964. 385 J822

- 94608 NANGEN, K., CHUSUIRYU, M., and TOKUNAGA, H. The use of the Yamakawa mulberry in the early winter period of silkworms. (Ja) Sansi-Kenkyu 48:5-10. Oct. 1963. 425.9 J273S
- 94609 ONODERA, K., and KOMANO, T. Glycine-specific transfer ribonucleic acid in the posterior silk gland of *Bombyx mori*. Biochim. et Biophys. Acta 87(2):338-340. Ref. June 22, 1964. 381 B522
- 94610 RITTERBUSH, P. C. An eighteenth-century experiment on the promotion of larval development by electrostatic charges. Lepidopterists' Soc. J. 17(4):229-230. Feb. 21, 1964. 421 L554  
Tests on *Bombyx mori* by French naturalist, d'Ormoy in 1789.
- 94611 SAITO, M., YAMAZAKI, M., and AKAIKE, E. Note on sterols in *Bombyx mori* L. (Ja) Sansi-Kenkyu 46:24-29. Apr. 1963. 425.9 J273S  
English summary.
- 94612 SHIKU-HO DAI-NI KENKYU-SHITSU. Block electric equipment for raising silkworms. (Ja) Sansi-Kenkyu 45:24-30. Jan. 1963. 425.9 J273S
- 94613 STEINBRECHT, R. A. The attractiveness of sex attractants of female silkworms (*Bombyx mori*) depending upon age and copulation. (Ge) Z. f. vergleichende Physiol. 48(3):341-356. Ref. 1964. 444.8 Z3  
English summary.
- 94614 SUDO, M. Silkworm rearing experiments using artificial feed as a means of dealing with cold and frost damage. (Ja) Sansi-Kenkyu 45:20-23. Jan. 1963. 425.9 J273S
- 94615 SUZUKI, N. The amino acid formation of fibroins in *Samia cecropia* and *Antheraea polyphemus* silkworms. (Ja) Sansi-Kenkyu 48:40-43. Oct. 1963. 425.9 J273S
- 94616 SUZUKI, N. On the amino acids isolated from the silk glands of silkworms. (Ja) Sansi-Kenkyu 48:53-62. Oct. 1963. 425.9 J273S
- 94617 TAKASU, T., and TAKAHASHI, S. A method for investigation for disease causes in the dust from the raising room added to the food. (Ja) Sansi-Kenkyu 48:16-21. Oct. 1963. 425.9 J273S  
Silworms.
- 94618 TAKASU, T., and TAKAHASHI, S. On the location of silkworm disease causal agents in the raising shed on farms. (Ja) Sansi-Kenkyu 48:22-26. Oct. 1963. 425.9 J273S
- 94619 TAZIMA, Y. The genetics of the silkworm. London, Logos Press, 1964. 253 p. Ref. 425 T21
- 94620 UEDA, G. Research on the influence of temperature on the quality of cocoons. 2. The relationship of survival rate and weight of cocoon to cocoon stratification weight. (Ja) Sansi-Kenkyu 48:11-15. Oct. 1963. 425.9 J273S
- 94621 WATANABE, S., TAKENO, I., and NIKURA, K. On an uneven supply of mulberry for adult silkworms. (Ja) Sansi-Kenkyu 46:19-23. Apr. 1963. 425.9 J273S
- 94622 YASUMURA, S., IBA, M., and YAKURA, K. The toxic residue of Baycid [0,0-dimethyl-0-4 (methylmercapto) 3-methyl-phenyl thiophosphate] on the mulberry leaves. (Ja) Sansi-Kenkyu 45:31-39. Ref. Jan. 1963. 425.9 J273S  
English summary.
- 94627 BLAKE, D. H. Some insect collections in South America. Ent. Soc. Wash. Proc. 66(1): 55-59. Mar. 1964. 420 W27
- 94628 BODENSTEIN, D. Humoral conditions and cellular interactions in the development of the insect eye. Biol. Colloquium. [Proc.], 23rd Annu. Colloquium:1-12. Ref. 1962, pub. 1963. 442.9 B524
- 94629 BULLOCK, H. R. A study of hemolymph proteins of insects in relation to melanization and natural defense against microorganisms. Diss. Abs. 24(12, pt. 1):5499. June 1964. 241.9 M58
- 94630 BUTLER, C. G. Pheromones in sexual processes in insects. Roy. Ent. Soc. London. Symp. 2:66-77. Ref. 1964. 420 R81  
Habits.  
Includes discussion.
- 94631 CHANG, S. M. Discussion on the insect geographic region of Kiangsi, Hunan & Hupei. (Ch) Acta Ent. Sinica 12(3/4):376-381, map. July/Sept. 1963. 421 K96
- 94632 CLOUDSLEY-THOMPSON, J. L., and IDRIS, B. E. M. The insect fauna of the desert near Khartoum: seasonal fluctuation and the effect of grazing. Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 39(4/6):41-46. July 7, 1964. 420 L84Pa
- 94633 COMMON, I. F. B. Insects and artificial light. Austral. Nat. Hist. 14(9):301-304. Mar. 15, 1964. 475 Au7  
Includes eye sensitivity and light traps.
- 94634 DEMLEITNER, J. Old Bavarian insect names; an attempted interpretation. (Ge) Z. f. Angew. Ent. 53(2):140-152, map. Jan. 1964. 421 Z36
- 94635 FORTSCHRITTE der Zoologie, Band 16, 3. Lieferung [Advances in zoology, volume 16, part 3], edited by H. Bauer. Stuttgart, Verlag, 1963. p.333-523. 410 F77  
Includes insects and livestock.
- 94636 FOX, J. W. Reports on the Margaret M. Cary and Carnegie Museum Expedition to Baja California, Mexico, 1961. 3. A portable ultra-violet insect trap. Pittsburgh. Carnegie Mus. Ann. 18:205-212. Ref. 1963. 500 P68A
- 94637 FROST, S. W. Insects taken in light traps at the Archbold Biological Station, Highlands County, Florida. Fla. Ent. 47(2):129-161. June 1964. 420 F662  
Survey.
- 94638 FROST, S. W. Killing agents and containers for use with insect light traps. Ent. News [Philadelphia] 75(6):163-166. June 1964. 421 En88
- 94639 HARTISCH, J. On the use of perlon gauze in entomological studies. (Ge) Angew. Parasitol. 4(2):110-116. July 1963. 436.8 An4  
English summary.  
For cages for insects.
- 94640 HARVEY, J. K., and ROSS, D. A. Adult insect collection, Forest Entomology Laboratory, Vernon, B.C. Ent. Soc. Brit. Columbia. Proc. 60:47. 1963. 420 B77  
Canada Department of Forestry.
- 94641 HIGHNAM, K. C. Endocrine relationships in insect reproduction. Roy. Ent. Soc. London. Symp. 2:26-42. Ref. 1964. 420 R81  
Centers on corpora allata.  
Includes discussion.
- 94642 HINTON, H. E. Sperm transfer in insects and the evolution of haemocoelic insemination. Roy. Ent. Soc. London. Symp. 2:95-107. Ref. 1964. 420 R81  
Includes discussion.
- 94643 HOUGHTON, G. Simulation of fluttering lift in a bird, locust [*Schistocerca gregaria*], moth [*Plusia gamma*], fly [*Tabanus bovinus*], and bee [*Apis mellifica*]. Nature [London] 202(4938): 1183-1185. Ref. June 20, 1964. 472 N21
- 94644 HOWSE, P. E. The nature of the insect colony. New Sci. 21(373):90-97. Jan. 9, 1964. 472 N42
- 94645 JOHANSSON, A. S. Feeding and nutrition in reproductive processes in insects. Roy. Ent. Soc. London. Symp. 2:43-55. Ref. 1964. 420 R81  
Includes discussion.
- 94646 KALMUS, H. Animals as mathematicians. Nature [London] 202(4938):1156-1160. Ref. June 20, 1964. 472 N21  
Includes insects.

## TAXONOMIC, GEOGRAPHIC, AND BIOLOGICAL

## General

- 94623 ALEXANDER, R. D. The evolution of mating behaviour in arthropods. Roy. Ent. Soc. London. Symp. 2:78-94. Ref. 1964. 420 R81  
Chiefly insects.  
Includes discussion.
- 94624 ARMAI, I. Mutual effect of our cultivated plants and insect pests. (Hu) Elovilag 8(6):34-37. Nov./Dec. 1963. 410 EL6  
Nutrition and nutritional habits of insects.
- 94625 BALTENSWEILER, W. Regulation of insect populations. (Ge) Grune 92(26):806-816. June 26, 1964. 17 Sch9  
Population dynamics.
- 94626 BIOLOGY COLLOQUIUM. Insect physiology; proceedings of the twenty-third annual biology colloquium, edited by V. J. Brookes. Corvallis, Oreg. State U. Press, 1963. 110 p. Ref. 442.9 B524



- 94647 KARLSON, P. Hormones and gene action. NATO Advn. Study Inst. Tech. Endocrine Res. Proc. 1963:187-194. Ref. 449.9 N81  
Experimental work in insects.
- 94648 KING, R. C. Studies on early stages of insect oogenesis. Roy. Ent. Soc. London. Symp. 2:13-25. Ref. 1964. 420 R81  
Includes discussion.
- 94649 MARTIGNONI, M. E. Insect tissue culture: a tool for the physiologist. Biol. Colloquium. [Proc.], 23rd Annu. Colloquium:89-110. Ref. 1962, pub. 1963. 442.9 B524  
Review of literature.
- 94650 MAUCH, E. Investigations of the benthos of the German Moselle with particular reference to water quality. (Ge) Berlin. Zool. Mus. Mitt. 39(1):3-172, map. Ref. 1963. 410.9 B45  
Insects included in surveys.
- 94651 MEYER, J. Gall genesis and meristems. (Fr) Soc. Bot. de France. Mem. 1962:113-117. Ref. 451 F84M  
Gall insects and eriophyid mites.
- 94652 MIKHAIL'CHENKO, I. A. The effect of reduced atmospheric pressure on cardiac muscles of insects. (Rus) Akad. Nauk SSSR. Inst. Tsitologii. Sborn. Rabot 4:97-105. 1963. 442.9 Ak11  
English summary.
- 94653 MORGAN, R. F. Environmental biology, vol. 1. Oxford, Pergamon Press, 1963. 238 p. (The Commonwealth and International Library of Science, Technology, Engineering and Liberal Studies, Rural and Environmental Studies Division, v. 3) 442 M824  
Includes insects and plants.
- 94654 MULLER, H. J. Autecology of terrestrial invertebrates; the light factor. (Ge) Fortschr. der Zool. 16(3):500-523. Ref. 1963. 410 F77  
Includes insects.  
Review of the literature 1959-1962.
- 94655 NIELSEN, E. Illumination at twilight. Oikos 14(1):9-21. 1963. 410 O14  
Measurement of light for study of animals, chiefly insects, with crepuscular activity.
- 94656 NORRIS, M. J. Environmental control of sexual maturation in insects. Roy. Ent. Soc. London. Symp. 2:56-65. Ref. 1964. 420 R81  
Includes discussion.
- 94657 OYE, P. VAN, and COLLART, A. Second list of publications by Dr. Maurice Goetghebuer. (Fl) Biol. Jaarb. 31:31-45. 1963. 410 B52  
Chiefly on entomology.
- 94658 PIOTROWSKI, F. Parasitism and other forms of relationship between different species. (Pol) Wiad. Parazytol. 10(1):15-19. 1964. 436.8 W63  
English summary.  
Includes insects as parasites and symbiosis among insects.
- 94659 REHN, J. A. G. Growth through exchanges. Frontiers 28(2):42-44. Dec. 1963. 410 F92  
Insect collections.
- 94660 ROEDER, K. D. Ethology and neurophysiology. Z. f. Tierpsychol. 20(4):434-440. Ref. Oct. 1963. 410 Z35  
Includes insects.
- 94661 ROYAL ENTOMOLOGICAL SOCIETY OF LONDON. Insect reproduction, ed. by K. C. Highnam. Roy. Ent. Soc. London. Symp. 2:120 p. Ref. 1964. 420 R81
- 94662 SALT, R. W. Delayed inoculative freezing of insects. Canad. Ent. 95(11):1190-1202. Nov. 1963. 421 C16
- 94663 SANDERS, W. On the analysis of the relationship between insects and environment. (Ge) Z. f. Angew. Ent. 53(2):132-139. Ref. Jan. 1964. 421 Z36
- 94664 SCHLEIDT, W. Behavior; effects of external factors on behavior. (Ge) Fortschr. der Zool. 16(3):469-499. Ref. 1963. 410 F77  
Includes insects and livestock.  
Review of the literature.
- 94665 SEABURG, K. G., and MOYLE, J. B. Feeding habits, digestive rates, and growth of some Minnesota warmwater fishes. Amer. Fisheries Soc. Trans. 93(3):269-285. Ref. July 1964. 414.9 Am3  
Includes insects as feed.
- 94666 SZALKAY, J. Rearing of insects. I. "Dry" insectaries. (Hu) Buvar 9(2):118-120. Mar./Apr. 1964. 410 B98
- 94667 THODAY, J. M. Genetics and the integration of reproductive systems. Roy. Ent. Soc. London. Symp. 2:108-119. Ref. 1964. 420 R81  
Includes discussion.
- 94668 THORUP, J. Growth and life-cycle of invertebrates from Danish springs. Hydrobiologia 22 (1/2):55-84. Sept. 30, 1963. 410 H992  
Includes insects and ecology.
- 94669 ULRICH, M. G., and VAUGHN, C. M. Some intestinal and external parasites of the deer mouse, *Peromyscus maniculatus*. S. Dak. Acad. Sci. Proc. 42:140-143. 1963. 500 So82  
Includes insects.
- 94670 VAGO, C., and AMARGIER, A. Histological staining method for differentiation of polyhedral inclusion bodies of insect viruses. (Fr) Ann. des Epiphyt. 14(3):269-274. Ref. 1963. 464.9 F84An  
English summary.
- 94671 WHITE, M. J. D. Cytogenetic mechanisms in insect reproduction. Roy. Ent. Soc. London. Symp. 2:1-12. Ref. 1964. 420 R81  
Includes discussion.
- 94672 WOUDA, J. O. Fauna in and around Norway. 1. (Du) Natura [Heemstede] 60(9):141-148. Oct. 1963. 410 N2192  
Includes insects.
- 94673 YABLOKOV-KHNZORYAN, S. M. The genus types of Latreille. (Ge) Rov. Kozlem. (n.s.) 15:419-426. 1962. 420 So12  
In reference to his work: Considerations Generales sur l'Ordre Naturel des Animaux Composant les Classes des Crustacés, des Arachnides et des Insectes.
- Arachnida, Myriapoda, etc.
- 94674 ALLRED, D. M. Mites on grasshopper mice at the Nevada atomic test site. Great Basin Nat. 22(4):101-104. Dec. 31, 1962. 410 G79
- 94675 ANDRE, M. *Thrombella natalensis* n. sp. (Thrombidiidae: Thrombellinae). Acarologia 6(1):93-97. Jan. 1964. 434.8 Acl  
Text in French.  
Republic of South Africa.
- 94676 AOKI, J. The relationship between the bioecosis of Oribatei and plant cover and soils in Nikko. IV. (Ja) Jap. J. Ecol. 13(4):139-151. Ref. Aug. 1963. 410 J272  
German summary.
- 94677 BALOGH, J., and MAHUNKA, S. Data on the Tarsonemini fauna of Hungary. III. (Acar, Trombidiformes). (Ge) Rov. Kozlem. (n.s.) 15: 509-516. 1962. 420 So12
- 94678 BALOGH, J., and CSISZAR, J. The zoological results of Gy. Topal's collectings in South Argentina. 5. Oribatei (Acarina). Budapest. Magyar Nemzeti Muz. Evkon. 55:463-485. 1963. 410.9 B85E  
Includes new spp. in *Neophthiracarus* n. g., *Stomacarus*, *Phthiracarus*, *Acronothrus*, *Orbi-culobates*, *Allodamaeus*, *Licnodamaeus*, *Rhopalozetes*, *Cultroribatula*, *Eutegaeus*, *Carabodes*, *Topalia* n. g., *Cristeremaeus* n. g., *Opia*, *Austrogneta* n. g., *Tetracondyla*, *Glanderemaeus* n. g., *Scutovertex*, *Geminozetes* n. g., *Sphaerozetes*, *Phauloppia* and *Dometorina*.
- 94679 BALOGH, J. The zoological results of Gy. Topal's collectings in South Argentina. 6. Mesostigmata (Acarina). Budapest. Magyar Nemzeti Muz. Evkon. 55:487-496. 1963. 410.9 B85E  
Includes new spp. in *Hydrogamasus*, *Gamasellus*, *Antennoseius*, *Gamasolaelaps*, *Sternoseius* n. g., and *Asternolaelaps*.
- 94680 BELOZEROV, V. N. Day length as a factor determining the delay of egg-laying of females of *Dermacentor marginatus* (Sulz.). (Rus) Med. Parazit. i Parazitarnye Bolezni 32(5):521-526. Ref. Sept./Oct. 1963. 448.8 M469  
English summary.
- 94681 BESCH, W. On the systematics and ecology of the Andean rheophilous water mite *Hygrobatella* (s.str.) *puberula* Viets (Hydrachnellae). (Ge) Arch. f. Hydrobiol. 59(4):515-521. Oct. 1963. 410 Ar28  
English summary.

- 94682 BESSELIING, A. J. The Hydrachnidae of P. Groult. (Fr) Ent. Ber. 24(4):79-80. Apr.1, 1964. 420 N38B  
Author has discovered Groult's Histoire naturelle de la France, 1887, seemingly unknown to acarologists.
- 94683 BRINTON, E. P., and KOHLS, G. M. New distributional and host data for the tick *Dermacentor hunteri* Bishopp. Great Basin Nat. 23 (3/4):166. Dec.16,1963. 410 G79  
Taken in Nevada on man and on wildlife.
- 94684 BRISTOWE, W. S. Notes on rare spiders and courtship as a clue to relationships. So. London Ent. & Nat. Hist. Soc. Proc. & Trans. 1962: 184-190. Oct.1963. 420 So8
- 94685 BROOK, B. J. Additional notes on the biology of Tiddy Widdy Beach (T.W.B.). So. Austral. Nat. 38(2):20-23. Dec.1963. 410 So82  
Includes arachnids.
- 94686 BROOKS, J. E. The presence of the roof rat, *Rattus rattus*, in sewers in California. Calif. Vector Views 10(11):71-72. Nov.1963. 449.8 C12  
*Ornithonyssus bacoti* and *Nosopsyllus fasciatus* as ectoparasites.
- 94687 BURRELL, R. W., and MCCORMICK, W. J. Typhlodromus and Amblyseius (Acarina: Phytoseiidae) as predators on orchard mites. Ent. Soc. Amer. Ann. 57(4):483-487. July 1964. 420 En82  
On apples in Washington.
- 94688 CAUSEY, N. B. Additional records of Louisiana millipeds. La. Acad. Sci. Proc. 26:76-79. Dec.1963. 500 L932
- 94689 CAUSEY, N. B. *Arvechambus*, a new genus from Florida and Georgia (Diplopoda: Iulida: Paraiulidae). La. Acad. Sci. Proc. 26:66-75, map. Dec.1963. 500 L932
- 94690 CHEN, H. T., HSU, P. K., and LIU, T. C. The relationship between the temperature and the development of the eggs of *Trombicula akamushi* var. *deliensis*. (Ch) Acta Zool. Sinica 15(2/4):185-187. June/Dec.1963. 410 Ac87  
English summary.
- 94691 CHEN, H. T., and HSU, P. K. Trombiculid mites infesting bats from Kwangtung Province. (Ch) Acta Zool. Sinica 15(2/4):597-606. June/Dec.1963. 410 Ac87  
English summary.  
Includes n. spp. in *Trombicula*.
- 94692 CHICKERING, A. M. Three new species of *Mangora* (Araneae, Argiopidae) from Central America. *Breviora* 191, 11 p. Ref. Dec.5,1963. 410 B75
- 94693 CHRYSANTHUS, P. Spiders as parasites. (Du) Levende Nat. 66(11):248-252. Nov.1963. 410 L57  
As parasites in webs of other spiders.
- 94694 CLARK, G. M. The acarine genus *Syringophilus* in North American birds. *Acarologia* 6(1):77-92. Jan.1964. 434.8 Ac1  
Includes n.spp.
- 94695 CLIFFORD, C. M., KOHLS, G. M., and SONENSHINE, D. E. The systematics of the subfamily *Ornithodorinae* (Acarina: Argasidae). I. The genera and subgenera. Ent. Soc. Amer. Ann. 57(4):429-437. Ref. July 1964. 420 En82  
Includes *Ornithodoros* (*Ornamentum*) n. sgen. and *Ornithodoros* (*Subparatus*) n. sgen.
- 94696 COINEAU, Y. Contribution to the study of *Caeliculae*. (Fr) *Acarologia* 6(1):47-72. Ref. Jan.1964. 434.8 Ac1  
*Allocaeculus catalanus*, postlarval development and the chaetotaxy of the legs.
- 94697 COSTA, M. The mesostigmatic mites associated with *Copris hispanus* (L.) (Coleoptera, Scarabaeidae) in Israel. Linn. Soc. London. J. Zool. 45(303):25-45. Ref. Oct.1963. 410.9 L64  
Includes n. spp. in *Parasitus*, *Proctolaelaps*, and *Alliphis*.
- 94698 DAVIS, R. Autecological studies of *Rhynacus breittlowi* Davis, (Acarina: Eriophyidae). Fla. Ent. 47(2):113-121. Ref. June 1964. 420 F662  
Chiefly effects of temperature, and host plant relations with *Magnolia grandiflora*.
- 94699 DE LEON, D. Four new *Sejus*, a new *Zerconopsis*, and a new *Hyattella* from the United States (Acarina: Blattisociidae). Fla. Ent. 47 (2):103-108. June 1964. 420 F662
- 94700 DELFINADO, M. D., and BAKER, E. W. Mites of the family *Spinturnicidae* from the Philippines (Acarina). Pacific Insects 5(4):905-920. Ref. Dec.30,1963. 421 P11  
Includes *Oncoscelus* n. g., and n. spp. in *Spinturnix*, *Meristaspis*, and *Ancystropus*.
- 94701 DEMANGE, J. M. Myriapoda collected in New Caledonia by M. Y. Plessis and description of a teratological case. (Fr) Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)35(1):85-89. Ref. 1963. 410.9 P213  
Includes a new species in *Campylostigmus* and abnormalities of *Nesogeophilus leptochilus*.
- 94702 DENIS, J. Some interesting spiders from Vendée. (Fr) Rev. Franc. d'Ent. 29(1):78-85. Ref. 1962. 421 R323  
Includes n. sp. in *Heliophanus*.
- 94703 DENNYS, A. A. *Phidippus* and the wasp. Ent. Soc. Brit. Columbia. Proc. 60:34. 1963. 420 B77  
Physiological activity after being paralyzed by wasp sting.
- 94704 DOHLE, W. The embryonal development of *Glomeris marginata* (Villers) compared with the development of other *Diplopoda*. (Ge) Zool. Jahrb. Abt. f. Anat. u. Ontog. der Tiere 81(2): 241-310. Ref. Mar.5,1964. 410 Z751
- 94705 DOMROW, R. Three new nasal mites from Australian birds (Acarina, Laelapidae). *Acarologia* 6(1):26-34. Jan.1964. 434.8 Ac1  
New spp. in *Ptilonyssus*.
- 94706 DUFFEY, E., and MERRETT, P. *Carorita limnaea* (Crosby & Bishop), a linyphiid spider new to Britain, from Wybunbury Moss, Cheshire. Ann. & Mag. Nat. Hist. (ser.13)6(69):573-576. Sept.1963. 410 An77  
*Carorita* n. g.
- 94707 DUSBABEK, F. Contribution to the knowledge of mites (Acarina) pests of bats of Bulgaria. (Fr) *Acarologia* 6(1):5-25. Ref. Jan.1964. 434.8 Ac1  
Includes n. sp. in *Trombicula* (*Neotrombicula*).
- 94708 DUSBABEK, F. Mites parasitic on bats in Czechoslovakia. III. Fam. *Myobiidae* (Acarina, *Trombidiformes*). (Ge) *Ceskoslov. Společnost Ent. Casopis* 60(3):231-251. Ref. 1963. 420 C33  
Includes n. spp. in *Neomyobia* and *Pteracarus*.
- 94709 DYKOVA, I. Influence of microclimatic factors on the daily activity of the developing stages of common tick [*Ixodes ricinus*]. (Ge) *Angew. Parasitol.* 4(2):104-108. July 1963. 436.8 An4  
English summary.
- 94710 DZIUBA, S. Morphological characteristics of immature stages of *Proclimachus tuberosus* Leitner (*Proclimachidae*, *Uropodina*, *Acarina*). *Acarologia* 6(1):41-46. Jan.1964. 434.8 Ac1
- 94711 EHARA, S. Notes on spider mites in the collection of the Zoological Survey of India, Calcutta (Acarina: Tetranychidae). Indian Mus. Rec. 59(1/2):143-148. Mar./June 1961. 410.9 In2R  
*Petrobia latens*, *Eutetranychus banksi* and *Paratetranychus*.
- 94712 EVANS, G. O. Some observations on the chaetotaxy of the pedipalps in the Mesostigmata (Acari). Ann. & Mag. Nat. Hist. (ser.13)6(69): 513-527. Sept.1963. 410 An77
- 94713 FARKAS, H. K. A new genus and three new eriophyid mites from Africa and Java (Acarina). Budapest. Magyar Nemzeti Muz. Evkon. 55:509-511. 1963. 410.9 B85E  
*Trimeracarus* n. g., *Trimeracarus heptapleurii*, *Aceria cissicolae* and *A. ipomoeae*.
- 94714 FIORI, G. Traditional customs of Sardinia attached to *Latrodectus tredecimguttatus* (Rossi), to other large spiders and the female of the *Mutilla*. (It) Soc. Ent. Ital. B. 92(7/8):109-114. Ref. Oct.25,1962. 420 It1



- 94715 FIZE, A. Contribution to the study of the microfauna of the littoral sands of the Gulf of Aigues-Mortes. (Fr) Vie et Milieu 14(4):669-774, map. Ref. 1963. 442.8 V67  
Includes ecology of Tardigrada and fungi.
- 94716 FRANK, W. Development of Macdonaldius oschei Chabaud et Frank 1961 (Filarioidea, Onchocercidae) in the leather tick Ornithodoros talaje Guerin-Meneville (Ixodoidea, Argasidae). (Ge) Z. f. Parasitenk. 24(3):319-350. Ref. May 15, 1964. 442.8 Z33F
- 94717 FULLER, H., and DAMASCHUN, G. Investigation with X-rays of the molecular structure of Chilopoda collagen. (Ge) Zool. Jahrb. Abt. f. Allg. Zool. u. Physiol. der Tiere 70(3):407-410. 1963. 410 Z751Z  
Lithobius forficatus.
- 94718 GARCIA, R. Studies on the ecology of Ornithodoros coriaceus Koch (Acarina: Argasidae). Diss. Abs. 24(12, pt. 1):5621-5622. June 1964. 241.8 M58
- 94719 GARNER, M. R. Notes on the ecology of the milliped, Pleuroloma butleri (McNeill) in migration. Ind. Acad. Sci. Proc. 72:348-350. 1962, pub. 1963. 500 In2
- 94720 GOLEBIEWSKA, Z. Tyrophagus putrescentiae Schrank. Ochrota Roslin 7(7):1-3. July 1963. 464.8 Oc32  
Text in Polish.
- 94721 GRANDJEAN, F. New observations on the Oribatei; 3d series. (Fr) Acarologia 6(1):170-198. Ref. Jan. 1964. 434.8 Ac1  
Includes chaetotaxy and n. sp. in Erogalumna n. g.
- 94722 GRIFFITHS, D. A. A revision of the genus Acarus L., 1758 (Acaridae, Acarina). Brit. Mus. (Nat. Hist.) B. Zool. 2(6):413-464. Ref. 1964. 410.9 B772B  
Includes n. sp.
- 94723 GRIGARICK, A. A., MIHELICIC, F., and SCHUSTER, R. O. New Tardigrada from western North America. I. Pseudechiniscus. Biol. Soc. Wash. Proc. 77:5-8. June 26, 1964. 500 W272  
New spp.
- 94724 HALM, H. VAN. The large wolf spider. (Du) Natura [Heemstede] 60(11):167-174. Dec. 1963. 410 N2192  
Lycosidae and Pisauridae.
- 94725 HAUPT, W. The influence of animal parasites on determining auxins in leaves. (Ge) Naturwissenschaften 51(8):200. Apr. 15, 1964. 474 N213  
Effects of Tetranychidae on soybeans.
- 94726 HEURTAULT-ROSSI, J. Description of Chthonius (E.) vachoni, new species of pseudoscorpion (Heterosphyronidae, Chthoniidae) discovered in France, in the Department of Gironde. (Fr) Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 35(4):419-428. 1963. 410.9 P213
- 94727 HIGGINS, H. G., and WOOLLEY, T. A. A new species of Passalozetes from Utah with notes on the genus (Acarina: Oribatei). Great Basin Nat. 22(4):93-100. Ref. Dec. 31, 1962. 410 G79  
Passalozetes linearis n. sp.
- 94728 HOFFMAN, R. L. The status of Fontaria pulchella Bollman, with the proposal of a new genus and tribe in the diplopod family Xystodesmidae. Biol. Soc. Wash. Proc. 77:25-34. June 26, 1964. 500 W272  
Includes Nannarini n. tribe and Oenomaea n. g.
- 94729 HOFFMANN, R. L. A new diplopod of the genus Spinotarsus from Tanganyika (Spirostreptidae: Odontopygidae). Opusc. Zool. 69, 4 p. Nov. 1, 1963. 410 Op7
- 94730 HSIN, K. L., and CHEN, C. P. Morphological study on Aleuroglyphus ovatus Troupeau (Acarina: Acaridae). (Ch) Acta Ent. Sinica 12(3/4):300-309. Ref. July/Sept. 1963. 421 K96  
English summary.
- 94731 HULSEBOS, J. On Pardosa lugubris (Walck.) (Araneae, Lycosidae). (Ge) Ent. Ber. 24(5):100. May 1, 1964. 420 N38B  
Color variation in the Netherlands.
- 94732 HUNTER, P. E., and HUNTER, C. A. A new Anoetus mite from pitcher plants (Acarina: Anoetidae). Ent. Soc. Wash. Proc. 66(1):39-46. Mar. 1964. 420 W27  
In Sarracenia minor and S. flava.
- 94733 IHAROS, GY. The zoological results of Gy. Topal's collectings in South Argentina. 3. Tardigrada. Budapest. Magyar Nemzeti Muz. Evkon. 55:293-299. 1963. 410.9 B85E  
Includes new spp. in Macrobiotus.
- 94734 JAMES, C. T. Ticks on ground goanna-Varanus gouldii. So. Austral. Nat. 38(2):38. Dec. 1963. 410 So82
- 94735 JEEKEL, C. A. W. On some Chilopoda from West Germany. (Ge) Ent. Ber. 24(6):116-117. June 1, 1964. 420 N38B
- 94736 JUBERTHIE, C. Monstrosities observed in the Opiliones. (Fr) Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 35(2):167-171. Ref. 1963. 410.9 P213
- 94737 JUBERTHIE-JUPEAU, L. Scutigera remyi n. sp., new Symphyla collected in Lower Austria. (Fr) Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 35(2):172-175. 1963. 410.9 P213
- 94738 KAESTNER, A., and WETZEL, A. Lehrbuch der speziellen Zoologie. Teil I. Wirbellose. 5. Lieferung einschliesslich Gesamtregister [Textbook of special zoology. Volume I. Invertebrates. Part 5, including complete index]. Stuttgart, Fischer, 1963. p. 981-1423. Ref. 411 K15  
Myriapoda: Chilopoda, Diplopoda, Pauropoda, and Symphyla.
- 94739 KANUNGO, K. Disappearance of blood from the gut of engorged Echinolaelaps echidninus (Acarina: Laelaptidae). Ent. Soc. Amer. Ann. 57(4):427-428. July 1964. 420 En82  
Effects of humidity on digestion and on mortality.
- 94740 KAPADIA, Z. S., MASTER, R. W. P., and RAO, S. S. Immunological studies in telson extracts of Indian and Egyptian scorpion venoms. Indian J. Expt. Biol. 2(2):75-77. Apr. 1964. 442.8 In2  
Buthus quinquestriatus, B. tamulus and Palamnaeus gravimanus.
- 94741 KAZIMI, S. K., and GHANI, M. A. A preliminary annotated list of predators of mites in West Pakistan. Commonwealth Inst. Biol. Control. Tech. B. 4:67-75. Ref. Jan. 1964. 423.92 C733T
- 94742 KELLMANN, K. A new Neomyobia species (Acarina: Myobiidae) from a South African bat. Ent. Soc. South. Africa. J. 26(2):302-305. Jan. 31, 1964. 420 En86
- 94743 KLEINHOUT, J. Observations on the spider (Atypus affinis Eichw.). (Du) Levende Nat. 66(7):165-167. July 1963. 410 L57
- 94744 KOBACHIDZE, D. N. Toxochernes panzeri caucasicus Kobachidze, new subspecies from Caucasus. (Rus) Akad. Nauk Gruzinskoi SSR. Soobshcheniya 30(5):645-649. May 1963. 511 Ak146  
Pseudoscorpion.
- 94745 KOLOSARY, G. Life on the Tisza. XXI. Opiliones in the inundation area of Tisza. (Ge) Acta Biol. Nova Ser. 9(1/4):191-193. 1963. 442.8 Ac86
- 94746 LAPTEV, V. I. Biology of tick, Haemaphysalis neumanni Donitz, 1905 (parthenogenesis). (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:129-136. 1963. 41.9 R923  
French summary.
- 94747 LAWRENCE, R. F. Four new South African Solifugae (Arachnida). Ent. Soc. South. Africa. J. 26(2):355-365, map. Jan. 31, 1964. 420 En86  
Includes n. spp. in Solpugema, Solpuga, and Solpuguna.
- 94748 LAWRENCE, R. F. New Solifugae (Arachnida) from the Kruger National Park, South Africa. Ann. & Mag. Nat. Hist. (ser. 13) 6(69):529-535. Ref. Sept. 1963. 410 An77  
Includes n. spp. in Solpugopa and Solpugiba.

- 94749 LEDOUX, J. C. On some spiders collected near Avignon and Montpellier. (Fr) Entomologiste 19(5/6):100-101. Dec.1963. 421 En814
- 94750 LEGENDRE, R. Studies on the Arachaea (Araneida). V. The digestive tube. (Fr) Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)35(4):381-393. Ref. 1963. 410.9 P213
- 94751 LEGRAND, J. J. The sexual differentiation in gonochoric Oniscoidea. (Fr) Soc. de Biol. Compt. Rend. 158(2):340-343. Ref. 1964. 442.9 P21  
Porcellio dilatatus and Helleria brevicornis.
- 94752 LINDQUIST, E. E. A taxonomic review of the genus Hoploseius Berlese (Acarina: Blattisociidae). Canad. Ent. 95(11):1175-1185. Nov.1963. 421 C16  
Includes a new species.
- 94753 LIU, C. Z., and YUAN, Y. M. Two new species of the genus Hirstionyssus Fonseca, 1948 off Myospalax psilurus from Shensi Province, China (Acarina, Liponyssidae). (Ch) Acta Zool. Sinica 15(2/4):433-438. Ref. June/Dec.1963. 410 Ac87  
English summary.
- 94754 LOOMIS, R. B. A new species of chigger (Acarina, Trombiculidae) from lizards of Western North America. Great Basin Nat. 24(1):13-17. Mar.31,1964. 410 G79  
Trombicula lacerticola n. sp. from the Western States and Mexico.
- 94755 MCDANIEL, B., and LAWRENCE, R. F. A redescription of the genus Olabidocarpus Lawrence with a description of a new species from Texas (Acarina: Listerophoridae). Acarologia 6(1):163-169. Ref. Jan.1964. 434.8 Ac1
- 94756 MADGE, D. S. The water-relations of Belba geniculosa Oudemans and other species of oribatid mites. Acarologia 6(1):199-223. Ref. Jan. 1964. 434.8 Ac1
- 94757 MAHUNKA, S. The zoological results of Gy. Topal's collectings in South Argentina. 7. Anoetidae (Acarina). Budapest. Magyar Nemzeti Muz. Evkon. 55:497-500. 1963. 410.9 B85E  
Includes new spp. Anoetus (?) topali and A. akodoni.
- 94758 MAHUNKA, S. The zoological result of Gy. Topal's collectings in South Argentina. 8. Scutacaridae (Acarina). Budapest. Magyar Nemzeti Muz. Evkon. 55:501-507. 1963. 410.9 B85E  
Includes new spp. in Imparipes (Imparipes), Scutacarus (Scutacarus), and Scutacarus (Variatipes).
- 94759 MANSON, D. C. M. Two new species of Petrobia (Acarina: Tetranychidae). Acarologia 6(1):73-76. Jan.1964. 434.8 Ac1  
Tunisia.
- 94760 MARUTYAN, E. M. Ixodid fauna in Chechen-Ingush ASSR. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:91-97. 1963. 41.9 R923  
French summary.
- 94761 MERWE, G. G. VAN DER, and RYKE, P. A. J. The subgenus Typhlodromalus Muma of the genus Amblyseius Berlese in South Africa (Acarina: Phytoseiidae). Ent. Soc. South Africa. J. 26(2):263-289. Jan.31,1964. 420 En86  
Includes n. spp.
- 94762 MIHELICIC, F. Some new Zercon species from central Europe (family Zerconidae Berlese, Acarina). (Ge) Acarologia 6(1):35-40. Ref. Jan.1964. 434.8 Ac1  
Includes a n. sp.
- 94763 MOHR, C. O., BECK, D. E., and BRINTON, D. P. Observations on host-parasite relationships and seasonal history of ticks in San Mateo County, California. Great Basin Nat. 24(1):1-6. Ref. Mar.31,1964. 410 G79  
Wildlife.
- 94764 MURAKAMI, Y. Postembryonic development of the common Myriapoda of Japan. XIV. A new species of subgenus Archlithobius (Chilopoda: Lithobiidae). (Ja) Zool. Soc. Japan. Zool. Mag. 72(7):194-198. Ref. July 1963. 410.9 T57  
English summary.  
Lithobius (Archlithobius) takashimai.
- 94765 MURAKAMI, Y. Postembryonic development of the common Myriapoda of Japan. XV. A new species of subgenus Archlithobius (Chilopoda: Lithobiidae) and its hemianamorphic stadia. (Ja) Zool. Soc. Japan. Zool. Mag. 72(7):199-203. July 1963. 410.9 T57  
English summary.  
Lithobius (Archlithobius) canaliculatus.
- 94766 NEWELL, I. M., and VERCAMMEN-GRANDJEAN, P. H. Pteridopus n. g. (Acari, Johnstoniidae) and a probable auditory organ in a mite. Acarologia 6(1):98-110. Jan.1964. 434.8 Ac1  
Includes n. spp.
- 94767 OOMMEN, P. K., and KURUP, P. A. Protein and amino acid contents and physiological properties of the South Indian scorpion, Heterometrus scaber. Indian J. Expt. Biol. 2(2):78-80. Ref. Apr.1964. 442.8 In2  
Venom.
- 94768 RAO, V. P., and RAO, V. S. Two new records of predacious mites from India. Commonwealth Inst. Biol. Control. Tech. B. 4:38-39. Jan.1964. 423.92 C733T  
Typhlodromus (Amblyseius) aeralis and T. rickeri.
- 94769 ROCKETT, C. L., and WOODRING, J. P. Some environmental factors affecting the oribatid fauna inhabiting a ravine. La. Acad. Sci. Proc. 26:80-83. Dec.1963. 500 L932
- 94770 ROEWER, C. F. On some new Arachnida (Opiliones and Araneae) of the Oriental and Australian Regions. (Ge) Senckenb. Biol. 44(3):223-320. Ref. May 1963. 410.9 Se5  
New spp. Opiliones in Fijicolana n.g., Padangcola n.g., Zepedanulus, Orthossus; in Araneae in Ablemma n.g. and Sperophora.
- 94771 ROSHDY, M. A. The structure and distribution of the rickettsia-like microorganism Wolbachia persica Suitor and Weiss in the immature stages of the tick Argas persicus (Oken). J. Insect Path. 6(2):170-185. Ref. June 1964. 421 J826
- 94772 RYKE, P. A. J. Acarina associated with Protea flowers in the Cape Province. Ent. Soc. South. Africa. J. 26(2):337-354. Ref. Jan.31, 1964. 420 En86  
Includes n. spp. in Lasioseius, Ameroseius, Macrocheles and Cyrtolaelaps.
- 94773 SAMSINAK, K. Melisia Lombardini, 1944—a genus of the subfamily Glyciphaginae (Acari) living on insects. (Ge) Českoslov. Společnost Ent. Casopis 60(3):252-262. 1963. 420 C33  
Includes new species.
- 94774 SAN MARTIN, P. R. A new species of Bothriurus (Scorpiones, Bothriuridae) from Uruguay. (Sp) Paris. Mus. Natl. d'Hist. Nat. B. (ser.2) 35(4):400-418, map. Ref. 1963. 410.9 P213  
French summary.
- 94775 SARTBAEV, S. K. On the fauna of Gamasides of the Chu and Talas Valleys. (Rus) Akad. Nauk Kirgizskoi SSR. Izv. Ser. Biol. Nauk 4(5):101-105. Ref. 1962. 442.9 Ak123
- 94776 SCHEFFEL, H. The physiology of molting in Chilopoda. (Ge) Zool. Jahrb. Abt. f. Allg. Zool. u. Physiol. der Tiere 70(2):284-290. Ref. Mar.30,1963. 410 Z751Z  
Lithobius forficatus studied.
- 94777 SCOTT, H. G., and FINE, R. M. Pyemotes ventricosus (straw itch mite) ontogeny. Fla. Ent. 47(2):93-95. June 1964. 420 F662
- 94778 SELLNICK, M. New mites from Brazil. II. Dinychus plaumanni Sellnick, nov. spec. (Acari, Uropodina). (Ge) Dusenja 8(3):89-100. May 15, 1963. 410 D94
- 94779 SHUKLA, G. S. Studies on Scolopendra morsitans Linn. II. Digestive and excretory systems. Ent. Ber. 24(3):55-60. Mar.1,1964. 420 N38B
- 94780 SLONOV, M. N. Vertical (storey-wise) distribution of age stages belonging to some species of Ixodidae in the herbaceous soil-covering of the south Maritime forests at various time-periods of the season. (Rus) Med. Parazitol. i Parazitarnye Bolezni 32(5):526-533. Ref. Sept./Oct.1963. 448.8 M469  
English summary.  
Ixodes persulcatus. I. Pomeranzevi and Haemaphysalis japonica douglasi.



- 94781 SMILEY, R. L. Two new erythraeids predaceous upon cotton bollworm [*Heliothis zea*] eggs (Acarina: Erythraeidae). Ent. Soc. Wash. Proc. 66(2):110. June 1964. 420 W27  
Balaustium dowelli and Erythraeus whitcombi n. spp. from Arkansas.
- 94782 SPOEK, G. L. The Opiliones (Arachnida) of the Netherlands. Leiden. Rmus. van Nat. Hist. Zool. Verhandel. 63, 70 p. Ref. June 26, 1963. 410.9 L59Z
- 94783 STAREGA, W. Kosarze (Opiliones) okolic Warszawy [Harvestmen (Opiliones) from the environs of Warsaw]. Fragmenta Faunistica 10(25):12 p. Ref. June 10, 1963. 410.9 W26F  
German summary.
- 94784 STRENNKE, K., and MENKE, H. G. Development and relationships of the oribatid genus Gehypochthonius (Arach., Acari). (Ge) Senckenb. Biol. 44(3):231-255. Ref. May 1963. 410.9 Se5  
Includes n. sp. and new family Gehypochthoniidae.
- 94785 TAUFFLIEB, R. Laelaps from South Africa: description of a new species. (Fr) Z. f. Parasitenk. 24(3):305-308. May 15, 1964. 442.8 Z33F  
Laelaps fritzumpti n. sp.
- 94786 TESCHNER, D. The biology, distribution, and ecology of the ground water mite Lobohalacarus weberi quadriporus (Walter 1947), Limnohalacaridae Acari. (Ge) Arch. f. Hydrobiol. 59(1):71-102. Ref. Jan. 1963. 410 Ar28  
English summary.  
Life history.
- 94787 VACHON, M. Chthonius (C.) balazuci, new species of cave-dwelling pseudoscorpion from the French Department of Ardeche (Heterosphyronida, Chthoniidae). (Fr) Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)35(4):394-399. 1963. 410.9 P213
- 94788 VERCAMMEN-GRANDJEAN, P. H. Aschoengastia annulata Lawrence 1949 is a true Schoutedenichia (Trombiculidae). (Fr) Acarologia 6(1):111-113. Jan. 1964. 434.8 Ac1
- 94789 VERCAMMEN-GRANDJEAN, P. H. A new Riedlinia of Malaya (Trombiculidae-Acarina). (Fr) Acarologia 6(1):114-117. Jan. 1964. 434.8 Ac1
- 94790 VERCAMMEN-GRANDJEAN, P. H., and YANG, Y. M. A Schoutedenichia pest of lemur (Trombiculidae-Acarina). (Fr) Acarologia 6(1):123-126. Jan. 1964. 434.8 Ac1  
New sp.
- 94791 VERCAMMEN-GRANDJEAN, P. H. Trombicula discors Brennan & Jones 1959 is a true Myotrombicula Womersley & Heaslip (Trombiculidae-Acarina). (Fr) Acarologia 6(1):127-128. Jan. 1964. 434.8 Ac1
- 94792 VERCAMMEN-GRANDJEAN, P. H. Two Schoutedenichia pests of birds (Trombiculidae-Acarina). (Fr) Acarologia 6(1):118-122. Jan. 1964. 434.8 Ac1  
Includes n. sp.
- 94793 VIETS, K. O. Hygrobatidae (Acari, Hydrachnellae) from South Africa. (Ge) Arch. f. Hydrobiol. 59(4):467-485. Ref. Oct. 1963. 410 Ar28  
English summary.  
Includes n. spp. in Hygrobatidae and Atractides.
- 94794 VIETS, K. O. New localities and taxonomy of African Hydrachnellae (Acari). (Ge) Acarologia 6(1):129-162. Ref. Jan. 1964. 434.8 Ac1
- 94795 WALLWORK, J. A. The Oribatei (Acari) of Macquarie Island. Pacific Insects 5(4):721-769. Ref. Dec. 30, 1963. 421 P11  
Includes Holonothridae n. fam., and n. spp. in Holonothrus n. g., Macquariella n. g., Halozetes, Cryptobothria n. g., Neomycobates n. g., and Sandenia.
- 94796 WALTON, G. A. The Ornithodoros moubata superspecies problem in relation to human relapsing fever epidemiology. In Arthur, D. R., ed. Aspects of disease transmission by ticks, p. 83-156, map. Ref. 1962. 434 Ar7A  
Includes Ornithodoros compactus, O. apertus, and O. porcinus n. spp.  
Includes discussion p. 175-177.
- 94797 WANG, D. C. Descriptions of male, larva, protonymph and deutonymph of Laelaps myonysognathus Grochovskaya et Nguen-Xuan-Hoe, 1961 with remarks on its classification. (Ch) Acta Zool. Sinica 15(2/4):273-278. Ref. June/Dec. 1963. 410 Ac87  
English summary.
- 94798 WEISER, J., and SLAMA, K. Effects of the toxin of Pyemotes (Acarina: Pyemotidae) on the insect prey, with special reference to respiration. (Abs.) Ent. Soc. Amer. Annu. 57(4):479-482. Ref. July 1964. 420 En82  
Effects on Galleria mellonella respiration, including host relations.
- 94799 WETZEL, T. Tarsonemus muhleii nov. spec.—a new mite on graminaceous plants (Acari, Tarsonemidae). (Ge) Z. f. Angew. Ent. 53(4):462-464. Apr. 1964. 421 Z36
- 94800 WHEELER, G. C., and WHEELER, J. North Dakota arachnid records. Kans. Ent. Soc. J. 37(1):6-8. Jan. 1964. 420 K13
- 94801 WHITCOMB, W. H., EXLINE, H., and HITE, M. Comparison of spider populations of ground stratum in Arkansas pasture and adjacent cultivated field. Ark. Acad. Sci. Proc. 17:34-39. Ref. 1963. 500 Ar42
- 94802 WIEBES, J. T. New data on the Dutch wolf spiders (Araneae, Lycosidae). (Du) Ent. Ber. 24(5):97-99. Ref. May 1, 1964. 420 N38B  
English summary.
- 94803 WIEHLE, H. Spinnentiere oder Arachnoidea (Araneae). XII. Tetragnathidae-Streckspinnen und Dickkiefen [Spiders or Arachnoidea (Araneae). XII. Tetragnathidae—orb weavers and thick maxillae]. Jena, Fischer, 1963. 76 p. Ref. (Dahl, F. Die Tierwelt Deutschlands und der angrenzenden Meeressteile nach ihren Merkmalen und nach ihrer Lebensweise, pt. 49). 411 D132  
Includes Arundognatha n. g.
- 94804 WILLIS, J. C. N. Harvestman, Odiellus spinosus. Suffolk Nat. Soc. Trans. 12(5):386. Jan. 1, 1964. 410.9 Su2
- 94805 WOODRING, J. P. New species of Histiotoma (Anoetidae) and Histogaster (Acaridae) with observations on their biology (Acari). La. Acad. Sci. Proc. 26:49-57. Dec. 1963. 500 L932

### Coleoptera

- 94806 ALBERTONI, A. Data of etho-ecology on Phyllodecta laticollis Suffr. damaging poplar in the Po Plain. (It) Bologna. U. Ist. di Ent. B. 26:1-14. Ref. 1962/63. 420 B63  
English summary.
- 94807 ANDERSON, D. M. A review of the specific names in North American Miarus (Coleoptera: Curculionidae). Coleopterists' B. 18(1):21-24. Ref. Mar. 1964. 421 C674
- 94808 ARDOIN, P. Trial on revision of the African Amarygmini. 7. (Fr) Inst. Franc. d'Afrique Noire. B. Ser. A, Sci. Nat. 26(2):442-506, map. Apr. 1964. 515 D14  
Includes new spp. in Gonocnemis.
- 94809 ARNOLDI, L. V. Some new Otiorynchus species from the collection of the Magyar Természettudományi Múzeum of Budapest (Coleoptera, Curculionidae). (Ge) Budapest. Magyar Nemzeti Muz. Evkon. 55:411-415. 1963. 410.9 B85E  
O. turcicus and O. kaszabi, n. spp.
- 94810 ARTIGAS, J. Descripción de la larva de un psefenido chileno (Coleoptera-Psephenidae) [Description of the larva of a Chilean Psephenidae (Coleoptera)]. Gayana 8, 11 p. 1963. 410 G25  
English summary.  
Tycheapsephenus felix.
- 94811 ATYEO, W. T., WEEKMAN, G. T., and LAWSON, D. E. The identification of Diabrotica species by chorion sculpturing. Kans. Ent. Soc. J. 37(1):9-11. Jan. 1964. 420 K13
- 94812 BALFOUR-BROWNE, J., and SATO, M. On the Japanese species of the genus Hydrochus Leach (Coleoptera, Hydrochidae). Nipponius 1(19), 6 p. Oct. 10, 1962. 421 N62  
Includes Hydrochus chubu n. sp.

- 94813 BARR, T. C. Non-troglobitic Carabidae (Coleoptera) from caves in the United States. *Coleopterists' B.* 18(1):1-4. Mar.1964. 421 C674
- 94814 BARR, T. C., and STEEVES, H. R. *Texamauropus*, a new genus of pselaphids from caves in central Texas (Coleoptera: Pselaphidae). *Coleopterists' B.* 17(4):117-120. Dec.1963. 421 C674  
Includes a new species.
- 94815 BARRETT, H. G., and CRANBROOK, EARL OF. Noctule bats (*Nyctalus noctula*) feeding on cockchafers. *Suffolk Nat. Soc. Trans.* 12(5):347-349. Jan.1,1964. 410.9 Su2  
Scarabaeidae.
- 94816 BEAL, R. S. A new superficially cryptic species of *Trogoderma* from the Southwestern United States (Coleoptera: Dermestidae). *Ent. Soc. Wash. Proc.* 66(2):79-84. June 1964. 420 W27
- 94817 BELL, R. T., and BELL, J. R. *Platypatrobus lacustris* Darlington in Vermont (Coleoptera: Carabidae). *Ent. Soc. Wash. Proc.* 66(2):100. June 1964. 420 W27
- 94818 BENNETT, F. D., and SIMMONDS, F. J. Distribution and host records of Coccinellidae in the Caribbean area. *Commonwealth Inst. Biol. Control. Tech. B.* 4:81-94. Jan.1964. 423.92 C733T  
Food and host plants and prey.
- 94819 BENOIT, P. Note on the distinguishing characters and distribution of *Chalcophora angulicollis* (LeC.) (Coleoptera: Buprestidae). (Fr) *Ent. Soc. Quebec. Ann.* 8:108-111. 1963. 420 En822
- 94820 BERTRAND, H. Contribution to the study of first stages of aquatic Coleoptera in the Ethiopian Region. 6. (Fr) *Inst. Franc. d'Afrique Noire. B. Ser. A, Sci. Nat.* 26(2):513-579. Apr. 1964. 515 D14  
Larvae and nymphs, of Helodidae.
- 94821 BIELAWSKI, R. Coccinellidae (Coleoptera) aus Vorderasien [Coccinellidae (Coleoptera) from the Near East]. *Fragmenta Faunistica* 10(26): 8 p. Ref. June 15,1963. 410.9 W26F
- 94822 BOKERMANN, W. C. A. Two new Neotropical Chlamisus (Coleoptera, Chrysomelidae, Chlamisinae). *Munich. Mus. G. Frey. Ent. Arb.* 14(2): 462-465. 1963. 420 M923
- 94823 BOURGIN, P. A new subspecies of *Archicarabus nemoralis*. (Fr) *Entomologiste* 19(5/6):87-89. Dec.1963. 421 En814  
*Archicarabus nemoralis colasi* n. spp.
- 94824 BREUNING, S. Key to the Lamiinae tribes together with revision of the Pteropliini of the Asiatic region (Col. Cerambycidae). III. (Ge) *Munich. Mus. G. Frey. Ent. Arb.* 14(2):466-537. 1963. 420 M923  
Includes n. sp. in *Egesina*.
- 94825 BREUNING, S. New Lamiinae in the G. Frey Museum. (Ge) *Munich. Mus. G. Frey. Ent. Arb.* 14(2):446-455. 1963. 420 M923  
Includes n. spp. in *Paralattisternum* n. g., *Prosoplus*, *Sybra*, *Stenellipsis*, *Mimozygocera* n. g., *Tuberothelais* n. g., *Australothelais* n. g., *Mimotemnosterinus*, *Miaena*, *Striomiaena* n. g., *Setosophroniella*, *Eryssamena*, and *Subexocentrus* n. g.
- 94826 BREUNING, S. New or interesting Lamiidae of the Magyar Termeszettudományi Múzeum (Coleoptera, Cerambycidae). (Ge) *Budapest. Magyar Nemzeti Muz. Evkon.* 55:347-348. 1963. 410.9 B85E  
New spp. in *Exocentrus* (*Pseudocentrus*).
- 94827 BRUNEAU, P. Taxonomic remarks concerning the carbid fauna from Chad. (Fr) *Rev. Franc. d'Ent.* 29(2):102-107. 1962. 421 R323
- 94828 BUCCIARELLI, I. The Anthicidae of the Museo Entomologico of the Pontificio Istituto Missioni Estere di Monza; fifth contribution to the knowledge of the Coleoptera Anthicidae. (It) *Soc. Ent. Ital. B.* 92(7/8):114-122. Ref. Oct.25, 1962. 420 It1  
Includes n. sp. in *Cyclodinus*.
- 94829 BUCCIARELLI, I. A new race of *Duvalius* from the Alpine foothills of Venetia; first contribution to the knowledge of the Carabidae Trechini. (It) *Soc. Ent. Ital. B.* 92(3/4):58-62. Ref. Apr.28,1962. 420 It1  
*Duvalius spaethi rosai* n. ssp.
- 94830 BURKE, H. R. Studies on the genus *Anthonomus* in North and Central America (Coleoptera: Curculionidae). II. The subgenus *Anthonomorphus* Dietz. *Coleopterists' B.* 18(1):7-17, map. Ref. Mar.1964. 421 C674  
Includes n. sp.
- 94831 CANZONERI, S. On the last introflexing sternite of the female in some Blaps of Italian fauna; eighth contribution to the study of the Tenebrionidae. (It) *Soc. Ent. Ital. B.* 92(9/10): 144-147. Dec.20,1962. 420 It1  
*Blaps gibba* and *B. lethifera*.
- 94832 CHARPENTIER, R. *Heterocerus tibesticola*, spec. nov. (Coleoptera Heteroceridae) from Chad and Yemen. *Inst. Franc. d'Afrique Noire. B. Ser. A, Sci. Nat.* 26(2):580-584. Apr.1964. 515 D14
- 94833 CH'EN, S. H. Results of the entomological expedition to Tibet in 1960-61, Coleoptera Chrysomelidae. (Ch) *Acta Ent. Sinica* 12(3/4):447-457. July/Sept.1963. 421 K96  
English summary.  
Includes n. spp. in *Basilepta*, *Trichotheca*, *Phratora*, *Morphosphaera*, and *Longitarsus*.
- 94834 CHUJO, M. Chrysomelid-beetles from Formosa, preserved in the Hungarian Natural History Museum, Budapest. *Budapest. Magyar Nemzeti Muz. Evkon.* 55:379-402. 1963. 410.9 B85E  
Includes new spp. in *Hoplasoma*, *Phyllobrotica*, *Aphthona*, and *Psylliodes*.
- 94835 CHUJO, M. Description of a new chrysomelid-beetle from Japan; 4th contribution to the fauna of Chrysomelidae (Coleoptera) in Japan. *Nipponius* 1(18), 3 p. Sept.13,1962. 421 N62  
*Lilioceris balyi* n. sp.
- 94836 COBOS, A. Coleopterous Elateridae and Throscidae collected by J. Mateu in the Ennedi region and in Chad. (Sp) *Inst. Franc. d'Afrique Noire. B. Ser. A, Sci. Nat.* 26(2):585-613. Ref. Apr.1964. 515 D14  
Includes n. spp. in *Drasterius*, *Cardiophorus*, *Paracardiophorus*, and *Aulonothroscus*.
- 94837 COBOS, A. Twelfth note on Neotropical Buprestidae; with description of a new genus of Coroebini Bedel (Coleoptera, Buprestidae). (Sp) *Rev. Franc. d'Ent.* 29(1):27-31. 1962. 421 R323  
Includes n. sp. in *Negreia* n. g.
- 94838 COIFFAIT, H. The Leptotyphlitae (Col. Staphylinidae) from California. (Fr) *Rev. Franc. d'Ent.* 29(2):154-166. 1962. 421 R323  
Includes n. spp. in *Heterotyphlus* n. g., *Protyphlus* n. g., *Cainotyphlus* n. g., *Homeotyphlus* n. g., *Telotyphlus* n. g., and *Xenotyphlus* n. g.
- 94839 COLAS, G. A new form of *Autocarabus auratus* L. (Fr) *Entomologiste* 19(5/6):98-99, map. Dec.1963. 421 En814  
*Carabus (Autocarabus) auratus aufreri* n. ssp. from France.
- 94840 COLAS, G. Population study of *Lucanus cervus* Linne. (Fr) *Rev. Franc. d'Ent.* 29(2):118-123. Ref. 1962. 421 R323  
From France.
- 94841 CONNELL, W. A. *Carpophilus fumatus* Boh., a beetle new to North America (Coleoptera: Nitidulidae). *Ent. Soc. Wash. Proc.* 66(2):101. June 1964. 420 W27  
Florida.
- 94842 COUTURIER, A. Research on Mermithidae, nematode parasites of the common cockchafer (*Melolontha melolontha* L., Coleopt. Scarab.). (Fr) *Ann. des Epiphyt.* 14(3):203-267. Ref. 1963. 464.9 F84An  
English summary.  
*Pseudomermis hagmeieri* and *Tunicamermis melolontha*.
- 94843 CYMOREK, S. On the biology and genital structure of *Choragus sheppardi* Kirby (Col., Anthribidae). (Ge) *Ent. Bl.* 59(3):151-161. Dec.31, 1963. 421 En833
- 94844 DAJOZ, R. The French species of the genus *Ampedus*; morphology, biology and systematics (Coleoptera Elateridae). (Fr) *Rev. Franc. d'Ent.* 29(1):5-26. Ref. 1962. 421 R323  
English summary.



- 94845 DAMOISEAU, R. Contribution a la connaissance des Brentidae (Coleoptera-Phytophagoidea). 13. Notes systematiques, synonymies et description d'especes nouvelles [Contribution to the knowledge of the Brentidae (Coleoptera-Phytophagoidea). 13. Systematic notes, synonymy and description of new species]. Inst. Roy. des Sci. Nat. de Belg. B. 39(26), 20 p. Ref. Oct. 1963. 504 B835B  
Includes n. spp. in Orfilaia and Episphales.
- 94846 DELEURANCE, S., and DELEURANCE, E. P. Absence of seasonal reproductive cycle in troglobiont coleopterous insects (Bathysciinae and Trechini). (Fr) Acad. des Sci. Compt. Rend. 258(24):5995-5997. June 15, 1964. 505 P21
- 94847 DELUCA, M., WIRTZ, G. W., and MCELROY, W. D. Role of sulfhydryl groups in firefly luciferase. Biochemistry 7(3):935-939. Ref. July 1964. 381 B523
- 94848 DEMELT, C. V. Contribution to the knowledge of the Cerambycidae fauna of Asia Minor and 13th contribution to the biology of Palearctic Cerambycidae, as well as a description of new species of Oberea. (Ge) Ent. Bl. 59(3): 132-151, map. Dec. 31, 1963. 421 En833
- 94849 DIECKMANN, L. Ceuthorrhynchus interjectus Schultze and related species. (Ge) Ent. Bl. 59(3):161-167. Dec. 31, 1963. 421 En833
- 94850 DMOCH, J. Investigations on the cabbage seed-stalk curculio (Ceutorhynchus quadridens Panz.). p. 85-111. Ref. (OTS 60-21574) 464 P87  
As pest of rape; chiefly biology and ecology. Translation from Poznan. Instytut Ochrony Roslin. Prace Naukowe 1(3):37-72. 1959.
- 94851 DOANE, J. F. Studies on oviposition and fecundity of Ctenicera destructor (Brown) (Coleoptera: Elateridae). Canad. Ent. 95(11):1145-1153. Nov. 1963. 421 C16
- 94852 DODE, L. On climate and possibilities of the development of the Japanese beetle [Popillia japonica] in Albania. (Al) B. i Shkencave Bujqesore 3(1):72-78, map. 1964. 21.5 B87  
English summary.
- 94853 ENDRODI, S. New Cyclocephala species (Coleoptera, Melolonthidae, Dynastinae). (Ge) Budapest. Magyar Nemzeti Muz. Evkon. 55:323-333. 1963. 410.9 B85E  
Chiefly from South America.
- 94854 ENDRODY-YOUNGA, S. The Cybocephalus species from the Mascarene Islands and Seychelles (Coleoptera: Cybocephalidae). (Ge) Acta Zool. [Budapest] 10(1/2):61-84. 1964. 410 Ac85  
Includes new spp.
- 94855 ENTWISTLE, P. F. Inbreeding and arrhenotoky in the ambrosia beetle Xyleborus compactus (Eichh.) (Coleoptera: Scolytidae). Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 39(4/6): 83-88. Ref. July 7, 1964. 420 L84Pa  
Includes rearing and sex ratio on coffee in Nigeria.
- 94856 ERMISCH, K. The Mordellidae from the Isle of Cyprus (Coleoptera, Heteromera, Mordellidae). (Ge) Notulae Ent. 43(2):49-67. 1963. 421 N84  
Includes n. spp. in Mordella, Stenalia, Mordellistena, and Anaspis.
- 94857 EVERETT, T. R., and NEWSOM, L. D. External characters for separating the sexes of the rice water weevil, Lissorhoptrus oryzophilus (Coleoptera: Curculionidae). Ent. Soc. Amer. Ann. 57(4):514-515. July 1964. 420 En82
- 94858 EVERS, A. M. J. Malachius vulneratus Ab., faun. nov. sp. (Col., Malachiidae). Ent. Ber. 24(6):119-120. June 1, 1964. 420 N38B  
German summary.  
Text in Dutch.
- 94859 FAVINGER, J. J., and MOUSSA, M. A. The occurrence of the cereal leaf beetle, Oulema melanopa (L.), in Indiana, 1962. Ind. Acad. Sci. Proc. 72:167-168, map. 1962, pub. 1963. 500 In2
- 94860 FRANCKE-GROSMANN, H. The transmission of fungi flora by the bark beetle Ips acuminatus Gyll.; a contribution to the knowledge of the symbiosis of Ipsidae. (Ge) Z. f. Angew. Ent. 52(4):355-361. Ref. Oct. 1963. 421 Z36  
English summary.  
Ceratocystis clavata and Trichoporum tingens macrosporium.
- 94861 FREY, G. New dung beetles and Melolonthidae with key (Col.). (Ge) Munich. Mus. G. Frey. Ent. Arb. 14(2):550-559. 1963. 420 M923  
Includes n. spp. in Epirinus, Leucopholis, Brahmia, Trichinopus, Macroductylus, Trochilus and Phanaeus.
- 94862 FREY, G. New Onthophagus (Col. Scarab.) from Australia (Queensland collection of H. Demarz) and from Africa. (Ge) Munich. Mus. G. Frey. Ent. Arb. 14(2):538-549. 1963. 420 M923  
Includes also n. sp. in Delopleurus.
- 94863 FRIDEN, A. A comparison between the beetle fauna of oligotrophic and mesotrophic Sphagnum biotopes in Vastergotland, Sweden. (Ge) Opusc. Ent. 28(3):242-248, map. 1963. 421 Op7
- 94864 FRIDEN, A. Observations on beetles from the central Appenninines together with some thoughts on floristics. (Ge) Soc. Ent. Ital. B. 92(5/6):77-80. July 30, 1962. 420 It1
- 94865 FURSCH, H. Exochomus laeviusculus Weise (= Exochomus keiseri Fursch) (Col. Cocc.). Munich. Mus. G. Frey. Ent. Arb. 14(2):445. 1963. 420 M923  
Text in German.
- 94866 FURSCH, H. Moglichkeiten zur Festlegung niederer systematischer Kategorien gezeigt an der Epilachna-sahlbergi-Gruppe (Col. Cocc.) [Possibilities of determining lower systematic categories indicated by the Epilachna sahlbergi group (Col. Cocc.)]. Zool. Staatssamml. Ver-offentl. 154(2):165-287, maps. Ref. Oct. 1, 1963. 410.9 Z75  
Includes n. spp.
- 94867 GRANT, J. Holopleura marginata Lec. reared from Douglas fir (Coleoptera: Cerambycidae). Ent. Soc. Brit. Columbia. Proc. 60:18. 1963. 420 B77
- 94868 GRESSITT, J. L., and KIMOTO, S. Supplement to "The Chrysomelidae (Coleopt.) of China and Korea." Pacific Insects 5(4):921-932. Dec. 30, 1963. 421 P11  
Includes n. spp. in Paraenidea and Callispa.
- 94869 GUEORGUIEV, V. B. Contribution to the study of the hydrocantharid Coleoptera (Halipidae and Dytiscidae) from Afghanistan. (Fr) Opusc. Ent. 28(3):215-222. 1963. 421 Op7  
Includes n. sp. in Platambus.
- 94870 GUEORGUIEV, V. B. Notes on cave beetles from Bulgaria. III. Bureschiana drenskii, n. gen., n. sp.—new cave Bathysciinae of the Brachyscapes group (Catopidae, Coleoptera). (Fr) Prague. Narod. Mus. Ent. Odd. Sborn. 35: 391-395. 1963. 420 P88
- 94871 HANSEN, V. Changes in our beetle fauna 1962 (Coleoptera). (Da) Ent. Meddel. 32(2):173-176. 1963. 421 En82  
English summary.
- 94872 HARRINGTON, J. S. The geographical distribution of the black maize beetle, Heteronychus sanctae-helenae Blanchard (Coleoptera: Scarabaeidae). Ent. Soc. South. Africa. J. 26(2):438-440, map. Jan. 31, 1964. 420 En86
- 94873 HENROT, H. A new Choleva from Morocco (Col. Catopidae). (Fr) Rev. Franc. d'Ent. 29(1):44-47. 1962. 421 R323
- 94874 HENROT, H. On some Catopidae from Greece. (Fr) Rev. Franc. d'Ent. 29(1):48-51. 1962. 421 R323
- 94875 HERMAN, L. H. Nomenclatural consideration of Nicrophorus (Coleoptera: Silphidae). Coleopterists' B. 18(1):5-6. Ref. Mar. 1964. 421 C674
- 94876 HISAMATSU, S. A new species of Cryptophagus (Col.: Cryptophagidae). Niponius 1(20), 3 p. Dec. 14, 1962. 421 N62  
Cryptophagus enormis n. sp.

- 94877 HLISNIKOVSKY, J. The genera of Pterolomini tribe (Coleoptera, Silphidae). (Ge) Rov. Kozlem. (n.s.)15:453-464. Ref. 1962. 420 So12  
Includes new spp. in Klapperichianellia n. g.
- 94878 HLISNIKOVSKY, J. The genus Necrophiloides (Champ.) Hlissn. (Coleoptera, Silphidae, Pterolomini). (Ge) Budapest. Magyar Nemzeti Muz. Evkon. 55:313-315. 1963. 410.9 B85E  
Includes n. spp. from India.
- 94879 HLISNIKOVSKY, J. New Liodidae (Coleoptera) from New Guinea. (Ge) Budapest. Magyar Nemzeti Muz. Evkon. 55:301-311. 1963. 410.9 B85E  
New species in Dermatohomoeus n. g. and Bironellia n. g.
- 94880 HOPPING, G. R. The North American species in groups II and III of Ips De Geer (Coleoptera: Scolytidae). Canad. Ent. 95(11):1202-1210, map. Nov. 1963. 421 C16  
Ips emarginatus, I. knausi, and I. plastographus.
- 94881 IEANISYANI, T. H., BIRG, A. V., and LAWROVA, N. K. A contribution to taxonomy and ecology of weevils (Coleoptera, Curculionidae) of White Russia. (Be) Minsk. Belaruskaya Akad. Navuk. Vests. Ser. Biyal. Navuk 4:113-122. Ref. 1963. 442.8 M66  
Russian summary.
- 94882 IWAIO, S., and others. Studies on a natural population of the large 28-spotted lady beetle. I. Preliminary analysis of the overwintered adult population by means of the marking-and-recapture method. Jap. J. Ecol. 13(3):109-116. June 1963. 410 J272  
K. Mizuta, H. Nakamura, T. Oda, and Y. Sato, joint authors.
- 94883 JANSSENS, E. Hydraenidae du vilayet de Trebizonde (nord-est Anatolie) [Hydraenidae of the Vilayet of Trebizond (North-east Anatolia)]. Inst. Roy. des Sci. Nat. de Belg. B. 39(7), 30 p. Sept. 1963. 504 B835B  
Includes n. spp. in Hydraena and Ochthebius.
- 94884 JEANNEL, R. On some Trechus from the Caucasus. (Fr) Rev. Franc. d'Ent. 29(2):100-101. 1962. 421 R323  
Includes n. sp.
- 94885 JEANNEL, R. On the Trechini from the high mountains of Central Asia. (Fr) Rev. Franc. d'Ent. 29(2):87-99, map. 1962. 421 R323  
Includes n. spp. in Trechus and Duvalius.
- 94886 JEANNEL, R. The Trechini of the Far East. (Fr) Rev. Franc. d'Ent. 29(3):171-207. 1962. 421 R323  
Includes Parepaphius n. g., Leptepaphiama n. g., Pseudotrechiamia (Hemitrechiamia) n. sgen., Epaphius (Epaphiolus) n. sgen., and n. spp. in Epaphius and Epaphiama n. g.
- 94887 JEDLICKA, A. Neue Carabiden aus Pakistan aus der Sammlung des Bayerischen Staates in Munchen. (Col.) [New Carabidae from Pakistan in the collection of the Bavarian State in Munich]. Opusc. Zool. 68, 9 p. Feb. 1, 1963. 410 Op7  
Includes n. spp. in Dyschirius, Tachys, Amara, Tetragnoderus, Lebia, Dromius, Cymindis, Agatus, Phloeozetteus, Macrochilus, and Mastax.
- 94888 JENSEN, O. New finds of rare beetles (Coleoptera) in Jutland. (Da) Ent. Meddel. 32(2):190-191. 1963. 421 En82
- 94889 KAPUR, A. P. A new species of the genus Jauravia Mots. from India (Coleoptera: Coccinellidae). Indian Mus. Rec. 59(1/2):71-73. Mar./June 1961. 410.9 In2R
- 94890 KAPUSCINSKI, S. European forms of Tetrops praeusta (L.) and their food plants; studies on the family of capricorn beetle—Cerambycidae (Coleoptera). III. (Ge) Ent. Bl. 59(3):179-182. Dec. 31, 1963. 421 En833
- 94891 KASZAB, Z. A new tenebrionid genus from New Guinea. (Ge) Ent. Ber. 24(6):104-106. June 1, 1964. 420 N38B  
Louwerensia papuana n. g., n. sp.
- 94892 KASZAB, Z. Studies on Meloidae (Coleoptera). (Ge) Budapest. Magyar Nemzeti Muz. Evkon. 55:335-346. 1963. 410.9 B85E  
Includes n. spp. in Epicauta, Acrolytta, and Cylindrothorax.
- 94893 KISSINGER, D. G. North American Apion: the Apion spretissimum group (Coleoptera: Curculionidae). Coleopterists' B. 17(4):121-127, map. Dec. 1963. 421 C674
- 94894 KULZER, H. The Helopinae of the Antarctic Region (Col. Tenebr.); 26th contribution to the knowledge of the Tenebrionidae. (Ge) Munich. Mus. G. Frey. Ent. Arb. 14(2):600-629. Ref. 1963. 420 M923  
Includes n. spp. in Parahelops.
- 94895 KULZER, H. List of type material of the Tenebrionidae collection of the G. Frey Museum. (Ge) Munich. Mus. G. Frey. Ent. Arb. 14(2):375-434. 1963. 420 M923
- 94896 KURNAKOV, V. N. Contribution to the fauna of Carabidae from the Caucasus. IV. New Caucasian Carabidae. (Fr) Rev. Franc. d'Ent. 29(1):32-43. 1962. 421 R323  
Includes n. spp. in Carabus, Pterostichus, and Pterostichus (Scaritomorphus) n. sgen.
- 94897 KUSHWAHA, K. S. The beetle fauna (Insecta: Coleoptera) of soil in four small areas in Allahabad (U.P., India). Indian Mus. Rec. 59(1/2):171-182, map. Ref. Mar./June 1961. 410.9 In2R
- 94898 LAMMERS, G. W. Biological notes on the leaf beetle Acalymma gouldi (Coleoptera; Chrysomelidae). Ent. News [Philadelphia] 75(7):187-189. July 1964. 421 En88
- 94899 LAND, J. VAN DER. Nebria brevicollis (Fabr.) and allied species in Western Europe (Coleoptera, Carabidae). Ent. Ber. 24(3):45-50. Ref. Mar. 1, 1964. 420 N38B
- 94900 LARA E., F., and SHENEFELT, R. D. Three new Costa Rican Cerambycidae (Coleoptera) collected on cacao. Ent. Soc. Amer. Ann. 57(4):437-443. July 1964. 420 En82  
Includes n. spp. in Anisopodus and Nyssodrys.
- 94901 LEGOSZ-OWSIANNA, D. Przegląd krajowych gatunków z rodzaju Paederus Fabricius (Coleoptera, Staphylinidae). Review of the Polish species of genus Paederus Fabricius (Coleoptera, Staphylinidae). Fragmenta Faunistica 10(22), 43 p., map. Ref. May 20, 1963. 410.9 W26F  
Includes morphology and ecology.
- 94902 LEVASSEUR, L. Contribution to the knowledge of Coleoptera Staphylinidae from North Africa. 3. Seven new Philonthus from Katanga and Guinea. (Fr) Rev. Franc. d'Ent. 29(1):52-61. 1962. 421 R323
- 94903 LEWIS, J. G. E. Protective devices in two species of African Coleoptera. Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 39(4/6):50-52. July 7, 1964. 420 L84Pa  
Sternocera castanea and Hydrous senegalensis.
- 94904 LOHSE, G. A. New Staphylinidae from central Europe and the Alpine region; on the central European species of the genus Arpedium Er. (Ge) Ent. Bl. 59(3):168-178. Dec. 31, 1963. 421 En833  
Includes n. spp. in Eucnecus, Deliphrosoma, Oxytelus, and Quedius.
- 94905 LOPATIN, I. The Chrysomelidae (Coleoptera) of Afghanistan based on the information of the study trip of J. Klapperich in 1952/53. (Ge) Budapest. Magyar Nemzeti Muz. Evkon. 55:349-378. 1963. 410.9 B85E  
Includes new species in Luperus (Calomicrus), Monolepta, Aphthona, Longitarsus, Haltica and Chaetocnema.
- 94906 LUNA DE CARVALHO, E. Coleopteran Paussinae from the collection of the G. Frey Museum, Tutzing (Col. Carab. Pauss.); seventh contribution to the monographic study of the Paussinae. (Fr) Munich. Mus. G. Frey. Ent. Arb. 14(2):562-574. 1963. 420 M923
- 94907 MCDERMOTT, F. A. Green lampyrids (Coleoptera: Lampyridae). Coleopterists' B. 17(4):128. Dec. 1963. 421 C674
- 94908 MCDERMOTT, F. A. Two new species of lampyrids (Col. Lampyr). Munich. Mus. G. Frey. Ent. Arb. 14(2):560-561. 1963. 420 M923  
Includes n. spp. in Luciola and Photinus.
- 94909 MACNAMARA, J. P. Two new names for North American species of Selonodon (Coleoptera: Cebrionidae). Coleopterists' B. 18(1):18-20. Mar. 1964. 421 C674



- 94910 MAGISTRETTI, M. Coleopterological research on the Ionian littoral of Apulia, Lucania, and Calabria, campaign of 1956-1957-1958. IX. Coleoptera—Oedemeridae, Pyrochroidae, Meloidae, Lagriidae, Alleculidae. (It) Soc. Ent. Ital. B. 92(5/6):83-92, map. Ref. July 30, 1962. 420 It1
- 94911 MANDL, K. On new Cicindelidae collected in the Tropics (Col.). (Ge) Munich. Mus. G. Frey. Ent. Arb. 14(2):575-592. 1963. 420 M923  
Includes n. spp. in Megacephala and Brasilicella.
- 94912 MANDL, K. Zoological results of a scientific expedition in Kenya in East Africa (Col.). The species collected of the tribes of Cicindelini and Calosomini. (Ge) Munich. Mus. G. Frey. Ent. Arb. 14(2):593-599, map. 1963. 420 M923
- 94913 MARSHALL, A. T., and THORNTON, I. W. B. Micromalthus (Coleoptera: Micromalthidae) in Hong Kong. Pacific Insects 5(4):715-720. Ref. Dec.30, 1963. 421 P11  
Larvae described.
- 94914 MASSEY, C. L. The nematode parasites and associates of the fir engraver beetle, Scolytus ventralis LeConte, in New Mexico. J. Insect Path. 6(2):133-155. Ref. June 1964. 421 J826
- 94915 MATEU, J. The genus Metadromius Bedel from tropical Africa (Col. Lebiidae). (Fr) Rev. Franc. d'Ent. 29(3):208-218, map. 1962. 421 R323  
Includes n. spp.
- 94916 MATEU, J. Notes on the biology of Taurotagus brevipennis Gahan. (Coleoptera Cerambycinae). (Fr) Ann. des Sci. Nat. Zool. et Biol. Anim. (ser.12)5(3):429-499. July/Sept.1963. 410 An7  
On Acacia scorpioides.
- 94917 MATTHEWS, E. G. Description of the larva and pupa of Canthochilum histeroides (Harold) with notes on its biology (Coleoptera: Scarabaeidae). Coleopterists' B. 17(4):110-116. Ref. Dec.1963. 421 C674
- 94918 MEDVEDEV, S. I. Plastinchatousye (Scarabaeidae), podsem. Cetoniinae, Valginae [Scarabaeidae], subfamilies Cetoniinae, Valginae]. Fauna SSSR. Nasekomye Zhestkokrylye 10(5):374 p., map. 1964. 427 F274  
Includes n. spp. in Rhomborrhina, Trigonophorus, Potosia (Oreopotosia) n. sgen., Potosia and Potosia (Pseudonetocia) n. sgen.
- 94919 MEINWALD, Y. C., and EISNER, T. Defense mechanisms of arthropods. XIV. Caprylic acid: an accessory component of the secretion of Eleodes longicollis. Ent. Soc. Amer. Ann. 57(4):513-514. July 1964. 420 En82
- 94920 MOORE, B. P. New or little known Australian Carabidae in the Frey Museum (Col.). Munich. Mus. G. Frey. Ent. Arb. 14(2):435-444. 1963. 420 M923  
Includes n. spp. in Notonomus, Sarticus, Agonochila, and Nototarus.
- 94921 MORRIS, M. G. Two rare scarabaeid beetles rediscovered in the Suffolk breckland. Suffolk Nat. Soc. Trans. 12(4):245-247. Ref. 1963. 410.9 Su2  
Odontaeus armiger and Diastictus vulneratus..
- 94922 MROCKOWSKI, M. Dermestes szekessyi Kal.—a species new to the Scandinavian fauna (Col. Dermestidae). Opusc. Ent. 28(3):208-210. 1963. 421 Op7
- 94923 NAKAMURA, H. Population balance in the host-parasite interacting system demonstrated by adding host or parasite individuals. (Ja) Jap. J. Ecol. 13(5):167-172. Ref. Oct.1963 410 J272  
English summary.  
Callosobruchus chinensis and Neocatolaccus mamezophagus.
- 94924 NATON, E. On the development of the black-brown flour beetle, Tribolium destructor Uyttenb. IV. The effects of "carnitine" free diets on the duration of development and on the intestinal tract. (Ge) Zool. Beitr. (n.s.)8(1):95-123. 1963. 410 Z753
- 94925 NATON, E. On the development of the black-brown flour beetle Tribolium destructor Uyttenb. V. The effects of "carnitine" free diets on the internal secretory glands and on the epidermis. (Ge) Zool. Beitr. (n.s.)8(2):173-186. Ref. 1963. 410 Z753
- 94926 NIELSEN, B. O. Some beetles collected on common stinkhorn (Phallus impudicus Pers.). (Da) Flora og Fauna 69(4):143. Dec.1963. 410 F662
- 94927 NIEMANN, G. Biotype restraints found in Coleoptera. I. Long established pine stands on hilly sites and those influenced by groundwater. (Ge) Z. f. Angew. Ent. 53(1):82-110. Ref. Dec.1963. 421 Z36  
English summary.
- 94928 NISHIGAKI, J. The effect of low population density on the mating chance and the fecundity of the azuki bean weevil, Callosobruchus chinensis L. (Ja) Jap. J. Ecol. 13(5):178-184. Oct.1963. 410 J272  
English summary.
- 94929 NONVEILLER, Q. Amphimallon solstitialis matutinalis, ssp. nov. (Scarabaeidae, Coleoptera). Prague. Narod. Mus. Ent. Odd. Sborn. 35:171-176. Ref. 1963. 420 P88  
Text in German.
- 94930 NUNBERG, M. Information concerning the Scolytidae—and Platypodidae—fauna of Costa Rica. (Ge) Wis. Acad. Sci. Arts & Let. Trans. 52:97-110. 1963. 500 W75  
Includes n. spp. in Sampsonius, Cenocephalus, and Costaroplatus n. g.
- 94931 NUNBERG, M. Observations on the genus Triozastus Schedl (Coleoptera, Platypodidae). (Ge) Ann. & Mag. Nat. Hist. (ser.13)6(69):565-572. Ref. Sept.1963. 410 An77  
English summary.
- 94932 OBENBERGER, J. Two new Sphenoptera (s. str.) species of the Palearctic fauna region (Coleoptera, Buprestidae). (Ge) Budapest. Magyar Nemzeti Muz. Evkon. 55:321-322. 1963. 410.9 B85E  
S. kaszabi and S. csikii.
- 94933 OMER-COOPER, J. Dytiscidae (Coleoptera) of Nyasaland and Southern Rhodesia. VII. Hydrophorinae, Hydrophorini. Ent. Soc. South. Africa. J. 26(2):366-378. Ref. Jan.31, 1964. 420 En86  
Includes n. sp. in Peschetius.
- 94934 PACHECO, F. Notas sobre heteroceridos (Coleoptera-Heteroceridae) [Notes on heterocerids (Coleoptera-Heteroceridae)]. Acta Zool. Mex. 6(4), 12 p. Aug.31, 1963. 410 Ac84  
Includes n. spp. in Heterocerus.
- 94935 PACHECO, F. Systematics, phylogeny, and distribution of the variegated beetles (Coleoptera: Heteroceridae) of the New World. Diss. Abs. 24(12, pt.1):5628-5629. June 1964. 241.8 M58
- 94936 PEEZ, A. VON. Sulla raccolta di coleotteri nelle tane dei mammiferi e nei nidi degli uccelli [On collecting of Coleoptera in caves of mammals and nests of birds]. Soc. Ent. Ital. Inform. del Giovane Ent. 3(12):9-12. 1962. 420 It1 Suppl.
- 94937 PEREIRA, F. S., and MARTINEZ, A. Notas sobre el genero Ipselissus Olsoufieff (Coleoptera-Scarabaeidae) [Notes on the genus Ipselissus Olsoufieff (Coleoptera-Scarabaeidae)]. Acta Zool. Mex. 6(6), 8 p. Aug.31, 1963. 410 Ac84  
English summary.  
Includes a new species.
- 94938 PETROVITZ, R. New and mistaken Aphodiinae from all continents (Col. Scarab.). (Ge) Munich. Mus. G. Frey. Ent. Arb. 14(2):630-647. 1963. 420 M923  
Includes n. spp. in Aphodius, Aphodius (Trigonoscelus) n. sgen., Aphodius (Allobodilus) n. sgen., Dialytes, Trichiopsammobius n. g. Diastictus, Australammoeus, and Demarziella.
- 94939 PETROVITZ, R. New for central Europe; Aphodius citellorum Sem. and Medv. (Ge) Ent. Bl. 59(3):186-187. Dec.31, 1963. 421 En833
- 94940 PETROVITZ, R. Two new species of Liparochrus from Australia (Col., Scarab., Hybosor.). (Ge) Munich. Mus. G. Frey. Ent. Arb. 14(2):691-692. 1963. 420 M923
- 94941 PLJPERS, A. J. Snout beetles. (Du) Nathist. Genootsch. Limburg. Nathist. Maandbl. 52(1):9-10. Jan.30, 1963. 409.6 N2123N  
Curculionidae.

- 94942 PILGRIM, R. L. C. *Anisodactylus binotatus* Fabr., a carabid beetle new to New Zealand, and a review of the exotic carabid fauna. *Pacific Insects* 5(4):837-847, map. Ref. Dec.30, 1963. 421 P11
- 94943 PRIDHAM, T. G. Infection of *Popillia japonica* Newman larvae with vegetative cells of *Bacillus popilliae* Dutky and *Bacillus lentimorbus* Dutky. *J. Insect Path.* 6(2):204-213. June 1964. 421 J826  
G. St. Julian, G. L. Adams, H. H. Hall, and R. W. Jackson, joint authors.
- 94944 PUTHZ, V. Contribution to the faunistics of Mordellidae. (Ge) *Ent. Bl.* 59(3):188-189. Dec.31, 1963. 421 En833
- 94945 RAO, V. P., and MANJUNATH, T. M. A new record of the carabid beetle *Pheropsophus sorsinus* (Desj.) var. *desbordesii* (Maindr.) as a predator of the rhinoceros beetle, *Oryctes rhinoceros* (Linn.) in India. *Commonwealth Inst. Biol. Control. Tech. B.* 4:40-42. Jan.1964. 423.92 C733T
- 94946 RAYCHAUDHURI, A. Aging—its effects on the life cycle of *Tribolium confusum* Duval—a physiological investigation. *Diss. Abs.* 24(12, pt.1):5630. June 1964. 241.8 M58
- 94947 RIVALIER, E. Problem posed by an anatomical detail of *Odontochila* (Coleopt. Cicindelidae). (Fr) *Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)* 35(2):158-160. 1963. 410.9 P213
- 94948 ROACHE, L. C. A revision of the genus *Oxygonus* Leconte with a description of one new species (Coleoptera: Elateridae) (Tribe: Agriotini). *Coleopterists' B.* 17(4):101-108, map. Dec.1963. 421 C674
- 94949 ROBERT, A. A first locality of *Platypatrobus lacustris* Darlington in Quebec (Coleoptera: Carabidae). (Fr) *Ent. Soc. Quebec. Ann.* 8: 58-59. 1963. 420 En822
- 94950 ROBERT, A. Gyrinid fauna of lakes and pools used by beavers in the region south of Mont Tremblant Park. (Fr) *Ent. Soc. Quebec. Ann.* 8:29-43, map. 1963. 420 En822  
Gyrinus.
- 94951 RUTER, G. Description of a new Trichiinae from Fernando Po (Col. Scarabaeidae). (Fr) *Inst. Franc. d'Afrique Noire. B. Ser. A. Sci. Nat.* 26(2):614-616. Apr.1964. 515 D14  
New sp. in *Myodermidus* n. g.
- 94952 SCHEDL, K. E. Bark beetles of the soil fauna in Surinam; 119th contribution to the morphology and systematics of the Scolytoidea. (Ge) *Stud. Fauna Suriname Other Guyanas* 6(32):52-64. 1963. 411.2 G272  
Includes n. spp. in *Neodryocoetes* and *Xyleborus*.
- 94953 SCHEDL, K. E. Some Scolytidae and Platypodiidae of the Cameroon. (Fr) *Inst. Franc. d'Afrique Noire. B. Ser. A. Sci. Nat.* 26(2):617-623. Apr.1964. 515 D14  
Includes n. spp. in *Mimips* and *Xyleborus*.
- 94954 SCHERER, G. Contribution to the knowledge of the African Alticinae (Coleoptera, Chrysomelidae, Alticinae). (Ge) *Munich. Mus. G. Frey. Ent. Arb.* 14(2):648-684. 1963. 420 M923  
Includes *Stuckenbergiana* n. g. and n. spp. in *Phyllotreta*, *Gabonia*, *Aphthona*, *Montiaphthona*, *Orthocrepis*, *Mesocrepis* n. g., *Podagrica*, and *Nisotra*.
- 94955 SCHULER, L. Some carabid Coleoptera new or interesting for the fauna of France. (Fr) *Entomologiste* 19(5/6):84-87. Dec.1963. 421 En814  
Includes n. sp. in *Phyla*.
- 94956 SCHULZE, L. The Tenebrionidae of Southern Africa. XXXIV. Descriptive notes and key to the larvae of *Zophodes fitzsimonsi* Koch, *Bantodemus zulu* Koch and *Quadrideres femineus* (Lesne) (Coleoptera: Platynotina s.str.) *Ent. Soc. South. Africa. J.* 26(2):441-451. Jan.31, 1964. 420 En86
- 94957 SELANDER, R. B. A generic homonym in the Meloidae (Coleoptera). *Ent. Soc. Wash. Proc.* 66(1):11. Mar.1964. 420 W27  
New name, *Ertliana* proposed for *Ertlia* Borchmann, 1942, preoccupied in *Cerambycidae*.
- 94958 SELMAN, B. J. A revision of the genus *Dere-trichia* Weise (Coleoptera: Eumolpidae). *Brit. Mus. (Nat. Hist.) B. Ent.* 14(4):153-196, map. Ref. 1963. 420 B773  
Includes many new species.
- 94959 SHAW, S. Records of African Cassidinae (Col., Chrysomelidae) from the Museum G. Frey. *Munich. Mus. G. Frey. Ent. Arb.* 14(2):456-461. 1963. 420 M923
- 94960 SELL, R. A method of preserving the colors of the Cassidinae (Coleoptera: Chrysomelidae). *Ent. Soc. Wash. Proc.* 66(1):60-61. Mar.1964. 420 W27  
Preservative used on *Deloyala guttata* and *Metriona bicolor*.
- 94961 SMETANA, A. Contribution to the knowledge of the Staphylinidae fauna of Mongolia (Col.). (Ge) *Prague. Narod. Mus. Ent. Odd. Sborn.* 35:291-302. Ref. 1963. 420 P88
- 94962 SMETANA, A. The Palearctic species, presently known, in the subgenus *Onychophilonthus* Ner. and Wagner of the genus *Philonthus* Curt. (Coleoptera). (Ge) *Prague. Narod. Mus. Ent. Odd. Sborn.* 35:401-413. 1963. 420 P88  
Includes n. spp.
- 94963 SMETANA, A. Ueber zwei Nordamerikanische Philonthus-Arten aus der Fauvels Sammlung (Col., Staphylinidae); 57. Beitrag zur Kenntnis der Staphyliniden [On two species of North American Philonthus in Fauvel's collection (Col., Staphylinidae); 57th contribution to the knowledge of the Staphylinidae]. *Inst. Roy. des Sci. Nat. de Belg. B.* 39(22), 6 p. Oct.1963. 504 B835B  
Includes n. sp.
- 94964 SMETANA, A. Zwei neue Neobisnius-Arten von Nordamerika (Coleoptera, Staphylinidae); 56. Beitrag zur Kenntnis der Staphyliniden, [Two new Neobisnius species from North America (Coleoptera, Staphylinidae); 56th contribution to the knowledge of Staphylinidae]. *Inst. Roy. des Sci. Nat. de Belg. B.* 39(15), 6 p. Oct. 1963. 504 B835B
- 94965 SOKOLOFF, A. Linkage studies in *Tribolium castaneum* Herbst. X. Light ocular diaphragm, a gene linked with black. *Canad. J. Genet. & Cytol.* 6(2):147-151. Ref. June 1964. 443.8 C16
- 94966 SPANGLER, P. J. A description of the larva of *Macrovatellus mexicanus* Sharp (Coleoptera: Dytiscidae). *Coleopterists' B.* 17(4):97-100. Dec.1963. 421 C674
- 94967 SPENCER, G. J. Further records of delayed emergence of *Buprestis aurulenta* L. (Coleoptera: Buprestidae). *Ent. Soc. Brit. Columbia. Proc.* 60:45-47. 1963. 420 B77
- 94968 SPILMAN, T. J. Beetle talk. *Coleopterists' B.* 17(4):128. Dec.1963. 421 C674  
A plea for consideration of larvae in taxonomy.
- 94969 STOVER, W. Contribution to the biology of *Tragosoma depsarium* L. (Ge) *Ent. Bl.* 59(3): 184-186. Dec.31, 1963. 421 En833
- 94970 STRANEO, S. L. New Pterostichini (Coleopt. Carabid.). V. (It) *Munich. Mus. G. Frey. Ent. Arb.* 14(2):685-690. 1963. 420 M923  
Includes n. spp. in *Trigonotoma*, *Abecetus*, and *Pterostichus*.
- 94971 STURANI, M. Biological observations and research on the genus *Carabus* Linnaeus (sensu lato) (Coleoptera Carabidae). (It) *Soc. Ent. Ital. Mem.* 41:85-202, map. Ref. 1962. 420 It1M  
English summary.
- 94972 SZYMCAKOWSKI, W. Catopidae (Coleoptera) collected in Brazil by J. Mraz. (Fr) *Prague. Narod. Mus. Ent. Odd. Sborn.* 35:667-680. 1963. 420 P88  
Includes n. spp. in *Eucatops*, *Adelopsis*, and *Dissochaetus*.
- 94973 SZYMCAKOWSKI, W. Remarques sur quelques Catopinae du Japon [Remarks on some Catopinae from Japan]. *Nipponius* 1(17), 7 p. July 7, 1962. 421 N62  
*Prionochaeta* and *Catops*.



- 94974 TANNER, V. M. A check-list of the species of Eleodes and descriptions of new species (Coleoptera-Tenebrionidae). Great Basin Nat. 21(3): 55-78. Ref. Oct.2,1961. 410 G79
- 94975 TANNER, V. M. A new species of *Craniotus* (Coleoptera: Tenebrionidae). Great Basin Nat. 23(3/4):167-170. Dec.16,1963. 410 G79  
*Craniotus blaisdelli* n. sp.
- 94976 TANNER, V. M., and PACKHAM, W. A. *Pelecyphorus semilaevis* (Horn) (Coleoptera: Tenebrionidae). Great Basin Nat. 22(4):110-113. Dec.31,1962. 410 G79  
Text in English.  
Nevada.
- 94977 TANNERT, W. Studies on the cabinet beetle (*Anthrenus verbasci* (L.))—Dermestidae: possibilities for development of immature stages and orientation behavior of the imagines, their ontogeny, and superposition due to special happenings. (Ge) Berlin. Humboldt-U. Wiss. Z. Math. Natwiss. Reihe 13(1):99-108. 1964. 509 B453  
English summary.  
Destroyer of keratin.
- 94978 TASSI, F. On some Italian Buprestidae, especially from the south central region; second contribution to the knowledge of Italian buprestid-Coleoptera. (It) Soc. Ent. Ital. B. 92(3/4): 53-57. Apr.28,1962. 420 R1  
English summary.
- 94979 THEROND, J. Contribution to the knowledge of the fauna of Afghanistan. 54. Coleoptera-Histeridae. (Fr) Rev. Franc. d'Ent. 29(1):62-65, map. 1962. 421 R323
- 94980 TIBERGHIEN, G. Note on some carabid Coleoptera from Algeria. (Fr) Entomologiste 19 (5/6):102-106. Dec.1963. 421 En814
- 94981 TIBERGHIEN, G. On some interesting Coleoptera in the Southwest. (Fr) Entomologiste 19 (5/6):106-107. Dec.1963. 421 En814  
France.
- 94982 TOMBES, A. S. Seasonal changes in the reproductive organs of the alfalfa weevil, *Hypera postica* (Coleoptera: Curculionidae), in South Carolina. Ent. Soc. Amer. Annu. 57(4):422-426. July 1964. 420 En82
- 94983 TRESSENS, F. Research on native Coleoptera. (Fr) Entomologiste 19(5/6):91-94. Dec.1963. 421 En814
- 94984 TSAI, P. H., and HUANG, F. S. A preliminary study of *Serica orientalis* Motschulsky (Coleoptera: Melolonthidae). (Ch) Acta Ent. Sinica 12(3/4):490-505. July/Sept.1963. 421 K96  
English summary.  
Biology of forest pest.
- 94985 VILLIERS, A., CHUJO, M., and BRUENING, S. VON. Ergebnisse der von Prof. Dr. K. Iwata und Dr. K. Yoshikawa auf Thailand durchgeführten entomologischen Expedition [Results of the entomological expedition to Thailand carried out by Prof. Dr. K. Iwata and Dr. K. Yoshikawa. Family Cerambycidae]. Nipponius 1(16), 5 p. May 5, 1962. 421 N62  
Contents: Subfamily Cerambycinae, by A. Villiers and M. Chujo; Subfamily Lamiinae, by S. von Bruening and M. Chujo.  
Includes *Mesosa anacyloides* n. sp. and *Serixia thailandensis* n. sp.
- 94986 WALRECHT, J. J. R. *Carabus coriaceus* in Zeeland. (Du) Levende Nat. 66(10):239. Oct. 1963. 410 L57
- 94987 WARNER, R. E. *Apion longirostre* Olivier, widely distributed in North America (Coleoptera: Curculionidae). Coleopterists' B. 18(1): 17. Mar.1964. 421 C674
- 94988 WARNER, R. E. *Araecorynus cumingi* Jekel (Coleoptera: Anthribidae), a potential pest of stored products. Coleopterists' B. 17(4):109. Dec.1963. 421 C674  
Intercepted in Arizona and California in beans and *Samanea saman* from Hawaii.
- 94989 WEGOREK, W. Studies on the direct and indirect influence of the photoperiod on the development and physiology of the Colorado potato beetle (*Leptinotarsa decemlineata* Say). p.158-176. Ref. (OTS 60-21574) 464 P87  
Translation from Poznan. Instytut Ochrony Roslin. Prace Naukowe 1(2):5-27. 1959.
- 94990 WEINREICH, E. Revision of South American Lucanidae (Insecta Col.). III. The genera *Pholidotus*, *Aegognathus*, *Macrocrates*, *Auxicerus* and additions to *Metadocus*, *Scortizus*, *Beneshius*, and *Sclerostomus*. (Ge) Senckenb. Biol. 44(3):183-212. May 1963. 410.9 Se5  
Includes n. spp. in *Aegognathus*, *Scortizus*, and *Beneshius*.
- 94991 WENDLER, G. On the locomotion of *Cantharis fusca* larvae. (Ge) Z. f. Vergleichende Physiol. 48(3):283-294. Ref. 1964. 444.8 Z3  
Studied by means of motion pictures.
- 94992 ZIMMERMAN, E. C. Marquesas Island Vitiis (Coleoptera: Curculionidae, Brachyderinae). Pacific Insects 5(4):899-903, map. Dec.30,1963. 421 P11  
Includes a n. sp.
- 94993 ZIMMERMAN, E. C. On the supposed North American Trachodinae (Coleoptera: Curculionidae). Coleopterists' B. 18(1):25-32. Ref. Mar. 1964. 421 C674  
They are all flightless Hylobiinae; includes *Philostratus* n. g.

## Diptera

- 94994 ALBERTONI, A. Research on parasitic specificity of some dipterous Larvaevoridae, parasites of Coleoptera Chrysomelidae. (It) Bologna, U. Ist. di Ent. B. 26:273-288. Ref. 1962/63. 420 B63  
English summary.  
*Steiniella callida*, *Macquartia tenebricosa* and *Ptilopsina nigrisquamata* used experimentally.
- 94995 ALEXANDER, C. P. Classification and synonymy of the crane-flies described by Enrico Brunetti (Diptera: families Ptychopteridae, Trichoceridae and Tipulidae). Indian Mus. Rec. 59 (1/2):19-34. Ref. Mar./June 1961. 410.9 In2R
- 94996 ALEXANDER, C. P. New or little-known species of Asiatic Tipulidae (Diptera). I. Amer. Ent. Soc. Trans. 90(2):205-234. 1964. 420 P53  
Includes n. spp. in *Cylindrotoma*, *Phalacrocer*, *Protohelius*, *Helius*, *Dasymallomyia*, *Rhabdomastix*, *Cheilotrichia*, and *Erioptera*.
- 94997 ALEXANDER, C. P. Some Tipulidae from Tibet and Upper Burma in the British Museum (Natural History) (Diptera). Brit. Mus. (Nat. Hist.) B. Ent. 14(7):317-340. 1963. 420 B773  
Includes n. spp. in *Ctenacrosclis*, *Tipula*, *Nephrotoma*, *Limonia*, *Antocha*, *Phyllolabis*, and *Limnophila*.
- 94998 ALEXANDER, C. P. Undescribed species of Nearctic Tipulidae (Diptera). III. Great Basin Nat. 23(3/4):159-165. Dec.16,1963. 410 G79  
New species in *Tipula*.
- 94999 ALEXANDER, C. P. Undescribed species of Nearctic Tipulidae (Diptera). IV. Great Basin Nat. 24(1):19-25. Mar.31,1964. 410 G79  
New species in *Tipula*, *Thaumastoptera*, *Dicranota*, *Gonomyia*, *Lipsothrix*, and *Ormosia*.
- 95000 ARNAUD, P. H., and WIRTH, W. W. A name list of world Culicoides, 1956-1962 (Diptera, Ceratopogonidae). Ent. Soc. Wash. Proc. 66(1): 19-32. Ref. Mar.1964. 420 W27
- 95001 BAIER, M. On the biology and life stages of *Haplodiplosis equestris* Wagner (Diptera, Cecidomyiidae). (Ge) Z. f. Angew. Ent. 53(3): 217-273, map. Ref. Feb.1964. 421 Z36  
Includes its parasites *Chrysocharis seiuncta* and *Platygaster taras*.
- 95002 BANKOWSKA, R. Syrphidae. Polski Zwiazek Ent. Klucze do Oznaczenia Owadów Polski 28 (Diptera, 34), 236 p. 1963. 422.59 P76  
Text in Polish.
- 95003 BARTHELMES, D. Biology of fish in the large carp fish ponds of Lusatia with special reference to the stocks of nutritive animals and their use by the carps. (Ge) Z. f. Fisch. 11(5/6):321-451. Ref. July 1963. 414.8 Z3  
English summary.  
Chiefly Chironomidae and other insects.
- 95004 BAY, E. C., and LEGNER, E. F. Quality control in the production of *Hippelates collusor* (Tsn.) for use in the search and rearing of their natural enemies. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:403-410. 1963. 420 N46  
Includes suitability of pupae for parasitization by *Spalangia drosophilae*.

- 95005 BERGER, H. The effect of neurohormones on metamorphosis in *Calliphora erythrocephala* Meig. (Ge) Zool. Jahrb. Abt. f. Allg. Zool. u. Physiol. der Tiere 70(2):245-265. Ref. Mar.30, 1963. 410 Z751Z
- 95006 BILINSKI, Z. Preliminary studies of Heleidae of Lublin and Rzeszow Provinces. (Pol) Polskie Pismo Ent. Ser. B, 1/2:95-96. 1963. 421 P762
- 95007 BROSSEAU, G. E. Non-randomness in the recovery of detachments from the reversed metacentric compound X chromosome in *Drosophila melanogaster*. Canad. J. Genet. & Cytol. 6(2):201-206. Ref. June 1964. 443.8 C16
- 95008 CALLEC, J. J. Contribution to the study of the central nervous system of insects; the optic lobe and cerebroid optic duct of the imago of *Tipula oleracea* (Insecta-Diptera). (Fr) Ann. des Sci. Nat. Zool. Et Biol. Anim. (ser.12)5(3): 415-427. Ref. July/Sept.1963. 410 An7
- 95009 CHILLCOTT, J. G. A new genus of Rhagionidae (Diptera) with notes and descriptions of *Bolbomyia* Loew. Canad. Ent. 95(11):1185-1190. Nov.1963. 421 C16  
Includes n. spp. in *Litoleptis* n. g. and *Bolbomyia*.
- 95010 COLLIN, J. E. *Empis staegeri* a new species of Empididae (Dipt.) from Denmark. Ent. Meddel. 32(2):171-172. 1963. 421 En82
- 95011 COPPEL, H. C., and JONES, P. A. A note on *Hemyda aurata* R. D. (Diptera: Tachinidae), a parasite of *Podisus maculiventris* (Say) (Hemiptera: Pentatomidae). Ent. News [Philadelphia] 75(7):191-194. July 1964. 421 En88  
Chiefly description of immature stages.
- 95012 CZECHUGA, B. Quantitative proportions of glycogen in certain species of the Tendipedidae (Diptera) larvae. Hydrobiologia 22(1/2):92-110. Ref. Sept.30,1963. 410 H992
- 95013 DEAY, H. O., and TAYLOR, J. G. Response of the house fly, *Musca domestica* L., to electric lamps. Ind. Acad. Sci. Proc. 72:161-166. 1962, pub.1963. 500 In2
- 95014 DOANE, W. W. Endocrine control of reproduction. Biol. Colloquium. [Proc.], 23rd Annu. Colloquium:65-88. Ref. 1962, pub.1963. 442.9 B524  
Chiefly *Drosophila melanogaster* and *D. virilis*.
- 95015 DOBZHANSKY, T. How do the genetic loads affect the fitness of their carriers in *Drosophila* populations? Amer. Nat. 98(900):151-166. Ref. May/June 1964. 470 Am36  
Includes Addendum.
- 95016 DODGE, H. R. Sarcophagid flies from the Revillagigedo Islands (Diptera: Sarcophagidae). Ent. Soc. Wash. Proc. 66(1):47-54. Mar.1964. 420 W27  
Includes n. spp. in *Socorromyia* n. g. and *Peckia*.
- 95017 DOESBURG, P. H. VAN. Contributions to the knowledge of melanism in Syrphidae. (Du) Ent. Ber. 24(6):117-118. June 1,1964. 420 N38B  
English summary.  
*Scaeva pyrastris* unicolor lacked ovaries.
- 95018 DRABER-MONKO, A. Materials to the knowledge of Larvaevoridae (Diptera); *Hyalomyia jeanneli* (Mesnil, 1953) comb. nov. Acad. Polon. des Sci. B. Ser. des Sci. Biol. 12(3):125-127. 1964. 512 W262
- 95019 DRABER-MONKO, A. A new species of the genus *Alophora* R.-D. (Diptera, Larvaevoridae) from Laos. Acad. Polon. des Sci. B. Ser. des Sci. Biol. 12(3):119-123. Ref. 1964. 512 W262
- 95020 DRESCHER, W. The sex limited genetic load in natural populations of *Drosophila melanogaster*. Amer. Nat. 98(900):167-171. May/June 1964. 470 Am36
- 95021 DUSEK, J., and ROZKOSNY, R. *Adoxomyia lindneri* sp. n.—a new Stratiomyidae species from southern Slovakia. (Ge) Ceskoslov. Spolecnost Ent. Casopis 60(3):197-201. 1963. 420 C33
- 95022 DUSEK, J., and ROZKOSNY, R. Revision of central European species of the family Stratiomyidae (Diptera) with special consideration of the fauna of CSSR. (Ge) Ceskoslov. Spolecnost Ent. Casopis 60(3):202-221. 1963. 420 C33
- 95023 EHRMAN, L. "Cytoplasmic" sterility in *Drosophila paulistorum* which is ultimately dependent on nuclear genes. Science 145(3628):159. July 10,1964. 470 Sci2
- 95024 FITTKAU, E. J. *Manoa*, a new genus of Chironomidae (Diptera) from the central Amazon region. Chironomidae studies. IX. (Ge) Arch. f. Hydrobiol. 59(3):373-390. Ref. Aug.1963. 410 Ar28  
English summary.  
*Manoa obscura* n. g., n. sp. found in Brazil.
- 95025 FOOTE, R. H. *Acinia picturata* (Snow), a resurrected synonym (Diptera: Tephritidae). Ent. Soc. Wash. Proc. 66(2):84. June 1964. 420 W27
- 95026 FOOTE, R. H. A new synonym in the genus *Eurosta* (Diptera: Tephritidae). Ent. Soc. Wash. Proc. 66(1):61. Mar.1964. 420 W27
- 95027 GEIGY, R., and KAUFFMANN, M. On the effect of substances found in *Glossina* tissues on culture trypanosomes of the brucei-subgroup. Acta Trop. 21(2):169-173. 1964. 475 Ac8
- 95028 GOOT, V. S. VAN DER. Some captures of *Mallola* in the Netherlands (Diptera, Syrphidae). (Du) Ent. Ber. 24(3):60. Mar.1,1964. 420 N38B
- 95029 GROVER, P. Studies on new gall midges (Cecidomyiidae: Itonididae: Diptera) from India. IX. "Udumbaria—a new genus of fig midge from India." Marcellia 31(1):35-44. May 1963. 421 M33  
*Udumbaria nainiensis* n. g., n. sp. from *Ficus carica*.
- 95030 HACKMAN, W. On the dipterous fauna of rodent burrows in Northern Lapland. Notulae Ent. 43(4):121-131. 1963. 421 N84
- 95031 HALL, R. E., and HARROD, J. J. A method of rearing *Simulium ornatum* var. *nitidifrons* (Diptera, Simuliidae) in the laboratory. Hydrobiologia 22(1/2):197-201. Sept.30,1963. 410 H992  
Includes equipment.
- 95032 HAMDORF, K., and KASCHEF, A. H. Oxygen consumption of the faceted eye of *Calliphora erythrocephala* depending upon temperature and ionic medium. (Ge) Z. f. Vergleichende Physiol. 48(3):251-265. Ref. 1964. 444.8 Z3
- 95033 HAMILTON, D. W. Interesting Diptera collected in Indiana walnut [*Juglans regia*] groves. Ind. Acad. Sci. Proc. 72:154-157. Ref. 1962, pub.1963. 500 In2
- 95034 HANNAH-ALAVA, A. Interaction of non-allelic loci in expression of the extra-sexcomb phenotype in *Drosophila melanogaster*. Z. f. Vererb. 95(1):1-10. Ref. 1964. 442.8 Z34
- 95035 HEDLIN, A. F., and JOHNSON, N. E. Life history and habits of a midge, *Contarinia washingtonensis* Johnson (Diptera: Cecidomyiidae), in Douglas-fir cones. Canad. Ent. 95(11):1168-1175. Nov.1963. 421 C16
- 95036 HSIEH, Y. C. On two new species of Trypetidae from Yunnan. (Ch) Acta Zool. Sinica 15(2/4): 457-460. June/Dec.1963. 410 Ac87  
English summary.  
New spp. in *Podophysa*.
- 95037 HSIUNG, K. W., and others. Studies on the bionomics of *Phlebotomus alexandri* in Kansu Province. (Ch) Acta Ent. Sinica 12(3/4):458-462. July/Sept.1963. 421 K96  
C. Wang, Y. T. Hu, and P. T. Liu, joint authors.  
English summary.
- 95038 IL'YASHENKO, L. YA. Hibernation of *Musca domestica* vicina in the Hissar Valley (Tadzhik SSR). (Rus) Med. Parazitol. i Parazitarnye Bolezni 32(5):565-567. Sept./Oct.1963. 448.8 M469  
English summary.
- 95039 IYENGAR, V. K. S., DAVIES, D. M., and KLEEREKOPER, H. Some relationships between Chironomidae and their substrate in nine freshwater lakes of southern Ontario, Canada. Arch. f. Hydrobiol. 59(3):289-310. Ref. Aug. 1963. 410 Ar28  
Chiefly effects of carbon and nitrogen content on larval growth.



- 95040 JAMES, H. G. Larval habitats, development, and parasites of some Tabanidae (Diptera) in southern Ontario. *Canad. Ent.* 95(11):1223-1232. Ref. Nov.1963. 421 C16
- 95041 JOHNSON, F. M. A recessive esterase deficiency in *Drosophila melanogaster*. *J. Hered.* 55(2):76-78. Mar./Apr.1964. 442.8 Am3
- 95042 JONKERS, A. H., and others. Laboratory studies with wild rodents and viruses native to Trinidad. I. Amer. J. Trop. Med. & Hyg. 13(4): 613-619. July 1964. 448.8 Am326  
L. Spence, C. A. Coakwell, and J. J. Thornton, joint authors.  
Includes observation of *Phlebotomus*.
- 95043 KANEKO, A., and TOKUMITSU, T. Seasonal fluctuations of *Drosophila* populations in two adjacent localities of Hokkaido. (Ja) *Zool. Soc. Japan. Zool. Mag.* 72(4):123-127. Ref. Apr. 1963. 410.9 T57  
English summary.
- 95044 KELSON, W. E. Occurrence of *Drosophila azteca* in a spittlebug [*Aphrophora canadensis*] mass (Diptera: Drosophilidae). *Pan-Pacific Ent.* 40(2):116. Apr.1964. 421 P193
- 95045 KIDWELL, J. F., and NASH, D. J. An examination of homogametic heterosis in three species of laboratory animals. *Canad. J. Genet. & Cytol.* 6(2):207-214. June 1964. 443.8 C16  
*Drosophila melanogaster*, mice, and rats.
- 95046 KING, J. L. The dumpy locus in induced mosaics of *Drosophila melanogaster*. *Diss. Abs.* 24(12,pt.1):5622-5623. June 1964. 241.8 M58
- 95047 KNIGHT, A. W. Description of the tanyderid larva *Protanyderus margarita* Alexander from Colorado. *Brooklyn Ent. Soc. B.* 58(4):99-102. Oct.1963. 420 B79
- 95048 KUNG, K. Y., KAO, G. Y., and CHAI, K. Y. Some biological and inherited characters of a mutant white-eyed strain of housefly [*Musca domestica vicina*] and its use in bioassay. (Ch) *Acta Ent. Sinica* 12(3/4):262-267. July/Sept. 1963. 421 K96  
English summary.
- 95049 LAKOVAARA, S. The effects of the rolled locus on the development of the compound eye and the wing of *Drosophila melanogaster*. *Suomalainen Tiedeakatemia. Ann. Ser. A, IV. Biol.* 73,58 p. Ref. 1963. 442.9 H36
- 95050 LENG, Y. C. An investigation of the morphology of the pigmented area of female *Phlebotomus squamirostris* Newstead, 1923. (Ch) *Acta Ent. Sinica* 12(3/4):382-384. July/Sept.1963. 421 K96
- 95051 LOGINOVSKII, G. E. Seasonal changes in the abundance of house flies in the city of Kurgan. (Rus) *Med. Parazitol. i Parazitarnye Bolezni* 32(5):563-565. Sept./Oct.1963. 448.8 M469  
English summary.
- 95052 LUCCHESI, J. C. Studies on the female-sterile mutant deep orange of *Drosophila melanogaster*. *Diss. Abs.* 24(12,pt.1):4930-4931. June 1964. 241.8 M58
- 95053 MACCREARY, D. Additional notes on Diptera (Tabanidae) from Delaware. *Brooklyn Ent. Soc. B.* 58(4):97-98. Oct.1963. 420 B79
- 95054 MANNHEIMS, B. Third list of the publications of Hermann Schmitz S. J. on Phoridae (Diptera). (Ge) *Nathist. Genootsch. Limburg. Nathist. Maandbl.* 52(2):21-24. Feb.28,1963. 409.6 N2123N  
No. 171-242, 1940-1959.
- 95055 MARTINEAU, R. A practical apparatus for individual rearing from eclosion of Diptera and Hymenoptera. (Fr) *Ent. Soc. Quebec. Ann.* 8: 44-45. 1963. 420 En822
- 95056 MELLINI, E. Studies on the Diptera Larvae-  
voridae. VIII. *Strobliomyia tibialis* R.D. on *Lithosia complana* L. (Lepidoptera Arctiidae) and generally on the survival of the host insect after the emergence of the parasite. (It) *Bologna. U. Ist. di Ent. B.* 26:103-129. Ref. 1962/63. 420 B63  
English summary.
- 95057 MELLINI, E. Studies on the Diptera Larvae-  
voridae. IX. *Steiniella callida* Meig. on *Melasoma populi* L. (Coleoptera Chrysomelidae). (It) *Bologna. U. Ist. di Ent. B.* 26:131-159. Ref. 1962/63. 420 B63  
English summary.  
*Melasoma populi* infests *Populus canadensis*, *Salix viminalis*, and *S. purpurea*.
- 95058 MELLINI, E. Studies on the Diptera Larvae-  
voridae. X. Influence of the postembryonic stages of the host (*Melasoma populi* L.) on the rhythm of development of the parasite (*Steiniella callida* Meig.). (It) *Bologna. U. Ist. di Ent. B.* 26:161-177. 1962/63. 420 B63  
English summary.
- 95059 MELLINI, E. Studies on the Diptera Larvae-  
voridae. XI. *Nemoraella pellicuda* (Meig.) on *Spilartia lubricipeda* L. (Lepidoptera Arctiidae). (It) *Bologna. U. Ist. di Ent. B.* 26:241-272. Ref. 1962/63. 420 B63  
English summary.
- 95060 MOUCHA, J., and CHVALA, M. Description of *Tabanus shannonellus* Kroeber, 1936, males (Diptera, Tabanidae). (Ge) *Prague. Narod. Mus. Ent. Odd. Sborn.* 35:397-399. 1963. 420 P88
- 95061 MOUCHA, J., and HRADSKY, M. Knowledge of the robber flies from the Caucasus and Central Asia, together with the description of three new species (Diptera, Asilidae). (Ge) *Prague. Narod. Mus. Ent. Odd. Sborn.* 35:373-380. Ref. 1963. 420 P88  
Includes n. spp. in *Neoitamus*, *Cerdistus*, and *Dioctria*.
- 95062 MOUCHA, J., and CHVALA, M. Tabanidae (Diptera) collected by Dr. K. Lindberg in Afghanistan. *Prague. Narod. Mus. Ent. Odd. Sborn.* 35:521-525. 1963. 420 P88
- 95063 NIELSEN, B. O. The biting midges of Lyngby Aamose (Culicoides: Ceratopogonidae). *Nat. Jutlandica* 10(3),46 p.,map. Ref. 1963. 410 N2193
- 95064 NIELSEN, B. O. On the occurrence of Diptera on the common stinkhorn (*Phallus impudicus* Pers.) and find of *Phaonia errans* Mg. and *Helomyza fuscicornis* Zett., new to the Danish fauna. (Da) *Flora og Fauna* 69(4):126-134. Ref. Dec.1963. 410 F662  
English summary.
- 95065 NOWAKOWSKI, J. T. Studien uber Minierfliegen (Diptera, Agromyzidae). 8. Eine neue Art von *Phytomyza* Fall. aus dem Pieninen-Gebirge [Studies on miner flies of the family Agromyzidae (Diptera). 8. A new species of *Phytomyza* from the Pieniny Mountains]. *Polska Akad. Nauk. Inst. Zool. Ann. Zool.* 21(6), 10 p. Ref. June 15,1963. 410.9 W26
- 95066 O'BRIAN, D. M. The effect of parental age on the duration of life of mated and non-mated progeny in *Drosophila melanogaster*. *Ind. Acad. Sci. Proc.* 72:344-347. Ref. 1962, pub. 1963. 500 In2
- 95067 PLAUT, W. On the replicative organization of DNA in the polytene chromosome of *Drosophila melanogaster*. *J. Molecular Biol.* 7(6):632-635. Ref. Dec.1963. 442.8 J8224  
Autoradiography.
- 95068 PRASAD, S. N., and GROVER, P. The nomenclature of the male genitalia of cecidomyids (Diptera-Nematocera). *Marcellia* 31(1):45-59. Ref. May 1963. 421 M33
- 95069 PURDOM, C. E. Genetic effects of radiations. *New York, Acad. Press*, 1963. 173 p. Ref. 443 P97  
Includes effects on *Drosophila* and plants.
- 95070 RAO, V. P., and MAHADEVA, A. M. A new record of a tachinid parasitizing spotted bollworms in India. *Commonwealth Inst. Biol. Control, Tech. B.* 4:62. Jan.1964. 423.92 C733T  
*Strobliomyia nana* on *Earias* sp.

- 95071 RAO, V. P., and RAO, V. S. Spoggosia (Stomatomyia) bezziana (Bar.), a tachinid parasite of the coconut caterpillar, *Nephantis serinopa* Meyr. Commonwealth Inst. Biol. Control. Tech. B. 4:95-112. Jan. 1964. 423.92 C733T
- 95072 REINHARD, H. J. North American Tachinidae (Diptera). Kans. Ent. Soc. J. 37(1):35-51. Jan. 1964. 420 K13  
Includes n. spp. in *Mochlosoma*, *Cochise-myia* n. g., *Minthodexiopsis*, *Tarassophorus* n. g., *Eubrachymera*, *Enrogalia* n. g., *Aplo-myiopsis*, *Cephaloplagia* n. g., *Proselenus* n. g., *Nearchus* n. g., *Heliodorus* n. g., *Gymnocarcelia*, and *Palilogia* n. g.
- 95073 REINHARD, H. J. Parasitic flies of the genera *Helioprosopa* and *Euhelioprosopa* (Diptera: Tachinidae). Pan-Pacific Ent. 40(2):117-124. Apr. 1964. 421 P193  
Includes n. spp. in *Helioprosopa* and *Euhelioprosopa* n. g.
- 95074 ROBACK, S. S. A new *Pelopia* from Mexico (Diptera: Tendipedidae). Ent. News [Philadelphia] 75(6):141-143. June 1964. 421 En88
- 95075 ROBACK, S. S. New record of *Coelotanypus cletic* Roback (Diptera: Tendipedidae). Ent. News [Philadelphia] 75(7):186. July 1964. 421 En88  
Cuba.
- 95076 ROSS, E. S. Nature photography. VIII. Beefly aloft. Pacific Discovery 17(2):16-17. Mar./Apr. 1964. 500 P112  
*Heterostylum robustum*.
- 95077 SABROSKY, C. W. Additions and corrections to the world list of type-species of Chloropidae (Diptera). Ent. News [Philadelphia] 75(7):177-185. July 1964. 421 En88
- 95078 SASAKAWA, M. Papuan Agromyzidae (Diptera). Pacific Insects 5(4):797-835. Dec. 30, 1963. 421 P11  
Includes n. spp. in *Agromyza*, *Japanagromyza*, *Melanagromyza*, *Ophiomyia*, *Shizukoa*, *Phytobia*, *Phytagromyza*, and *Pseudonapomyza*.
- 95079 SAUNDERS, D. S. Age-changes in the ovaries of the sheep ked, *Melophagus ovinus* (L.) (Diptera: Hippoboscidae). Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 39(4/6):68-72. Ref. July 7, 1964. 420 L84Pa
- 95080 SAVCHENKO, E. N. Komary-dolgonozhki (sem. Tipulidae), podsem. Tipulinae, rod Tipula L. [Crane flies (Tipulidae) subfamily Tipulinae, genus Tipula L.]. Fauna SSSR. Nasekomye Dvukrylye 2(4):502 p., map. 1964. 428 F27  
Includes n. spp. in *Tipula* (*Geotipula*) n. sgen. and *Tipula* (*Dendrotipula*) n. sgen.
- 95081 SEGUY, E. New *Cephenius* from central China (Ins. Dipt. Bombyliidae). (Fr) Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 35(1):78-81. 1963. 410.9 P213
- 95082 SEGUY, E. A new therevid Diptera from Africa. (Fr) Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 35(4):343-344. 1963. 410.9 P213  
New sp. in *Leptothereva* n. g. from Senegal.
- 95083 SEGUY, E. Note on the Diptera Bombyliidae of East Asia. (Fr) Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 35(2):151-157. 1963. 410.9 P213  
Includes new species in *Cephenius*.
- 95084 SEHGAL, V. K. A new stem mining *Melanagromyza* species from India (Diptera: Agromyzidae). Ann. & Mag. Nat. Hist. (ser. 13) 6(69): 541-543. Sept. 1963. 410 An77  
On *Leonotis nepetaefolia*.
- 95085 SHORT, L. L. Effects of nutritive additives on life span of fruitfly (*Drosophila melanogaster*). Diss. Abs. 24(12, pt. 1):5506. June 1964. 241.8 M58
- 95086 SIMCO, J. S., and LANCASTER, J. L. Effects of soil type, moisture level, and temperature on larval and pupal stages of the common cattle grub, *Hypoderma lineatum*. Kans. Ent. Soc. J. 37(1):11-20. Jan. 1964. 420 K13
- 95087 SOUTHERN, J. L. Chemically induced somatic and gonadal mosaicism in *Drosophila melanogaster*. Diss. Abs. 24(12, pt. 1):4934. June 1964. 241.8 M58
- 95088 SPERLICH, D. Analysis of chromosomal structure and fertility tests of a marginal population of *Drosophila subobscura*. (Ge) Z. f. Vererb-lehre, 95(1):73-81. Ref. 1964. 442.8 Z34  
English summary.
- 95089 STEVENSON, A. B. Laboratory emergence of adults from overwintering pupae of the apple maggot, *Rhagoletis pomonella* (Walsh) (Diptera: Tephritidae). Canad. Ent. 95(11):1154-1159. Nov. 1963. 421 C16  
Effects of temperature.
- 95090 STEYSKAL, G. C. The subgenus *Neocota* of the genus *Rhamphomyia* (Diptera: Empididae). Ent. Soc. Amer. Ann. 57(4):466-468. July 1964. 420 En82  
Includes n. spp.
- 95091 STEYSKAL, G. C. A tribe [Strobeliellini] of Cecidomyiidae (Diptera) new to North America. Ent. Soc. Wash. Proc. 66(1):54. Mar. 1964. 420 W27  
*Strobeliella intermedia* from Alaska.
- 95092 STEYSKAL, G. C. Two new species of Platystomatidae (Diptera) from Africa, with a key to the known species of *Neopidesma* Hendel. Acta Zool. [Budapest] 10(1/2):263-268. 1964. 410 Ac85  
*Neopidesma soosi* and *Peltacanthina abyssinica*.
- 95093 STONE, A. Guide to the insects of Connecticut. VI. The Diptera or true flies of Connecticut. Ninth fascicle, Simuliidae and Thaumaleidae. Conn. Geol. & Nat. Hist. Survey. B. 97, 126 p. Ref. 1964. 406 C76
- 95094 STONE, A. A new *Parasimulium* and further records for the type species (Diptera: Simuliidae). Brooklyn Ent. Soc. B. 58(4):127-129. Oct. 1963. 420 B79  
Western States.
- 95095 SUN, S. S. Study on the digestive system of *Neotamus angusticornis* Loew. (Ch) Acta Ent. Sinica 12(3/4):292-299. July/Sept. 1963. 421 K96  
English summary.
- 95096 SYED, R. A., QURESHI, M., and GHANI, M. A. Studies on the trypetids and their natural enemies in West Pakistan. II. Ecological distribution of *Dacus dorsalis* Hend. Commonwealth Inst. Biol. Control. Tech. B. 4:76-80. Jan. 1964. 423.92 C733T  
Includes its parasites, *Dirhinus giffardii*, *Spalangia grotiusi*, and *Opius persulcatus*.
- 95097 TINLEY, K. L. Some observations on certain tabanid flies in north-eastern Zululand (Diptera: Tabanidae). Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent. 39(4/6):73-75. July 7, 1964. 420 L84Pa  
Habits of *Tabanus taeniola*, *T. biguttatus* and *Ancala africana* on hippopotamus.
- 95098 TJEDER, B. Notes on *Cheilotrichia areolata* (Lundstr.) (Diptera, Limoniidae). Notulae Ent. 43(4):133-136, map. 1963. 421 N84  
Geographic distribution and taxonomy.
- 95099 TJEDER, B. Three subapterous crane-flies from Alaska (Dipt. Tipulidae). Opusc. Ent. 28 (3):229-241, map. Ref. 1963. 421 Op7  
*Limonia lindrothi* n. sp., *Pedicia hanna* antennata, and *Tipula carinifrons*.
- 95100 TSACAS, L. Description of new Palearctic species of the genus *Neomochtherus* Osten-Sacken (Diptera: Asilidae). (Fr) Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 35(4):345-356. Ref. 1963. 410.9 P213
- 95101 VAILLANT, F. An African psychodid larva with ventral suckers (Diptera: Psychodidae). Natal Mus. Ann. 15(25):333-343. Ref. Nov. 1963. 515 N19  
*Neomaruina stuckenbergi* n. g., n. sp.
- 95102 VAILLANT, F. Diptera Psychodidae collected by Dr. K. Lindberg in Afghanistan; 83d contribution to the study of the fauna of Afghanistan. (Fr) Opusc. Ent. 28(3):211-214. 1963. 421 Op7
- 95103 VAILLANT, F. Diptera Psychodidae collected by L. Botosaneanu and St. Negrea in Rumania. (Fr) Českoslov. Společnost Ent. Casopis 60(3): 222-230. 1963. 420 C33  
Includes n. spp. in *Philosepedon* and *Telmato-scopus*.
- 95104 WAKAHAMA, K. Seasonal fluctuations of population structures of *Drosophila*. (Ja) Zool. Soc. Japan. Zool. Mag. 72(4):118-122. Ref. Apr. 1963. 410.9 T57  
English summary.



- 95105 WANG, C. T., and CHANG, Y. S. A new sand-fly, *Phlebotomus tumenensis* sp. n., found in Szechuan Province, China. (Ch) *Acta Ent. Sinica* 12(3/4):511-514. July/Sept.1963. 421 K96 English summary.
- 95106 WANG, L. Y. An exoparasitic blow fly *Protophthora azurea* from nestlings of the tree-sparrows. (Ch) *Acta Zool. Sinica* 15(2/5):337-338. June/Dec.1963. 410 Ac87
- 95107 WATTIAUX, J. M. Measure of sexual isolation. (Fr) *Z. f. Vererb. u. Vererb. 95(1):10-16. 1964. 442.8 Z34*  
*Drosophila subobscura* and statistical methods.
- 95108 WEBER, M. Data on Empididae (Diptera) fauna of the Mecsek Mountains. (Ge) *Acta Biol. Nova Ser.* 9(1/4):299-302. 1963. 442.9 Ac86
- 95109 WELCH, H. E. Mermithid parasites of black-flies [Simuliidae]. *World Health Organ. WHO/Vector Control* 57,16 p. Ref. Nov.18, 1963. 423.92 W89
- 95110 WILLIAMS, R. W. Observations on habitats of *Culicoides* larvae in Trinidad, W. I. (Diptera: Ceratopogonidae). *Ent. Soc. Amer. Ann.* 57(4):462-466. July 1964. 420 En82
- 95111 WIRTH, W. W. The synonymy of *Culicoides* *histrion* Johannsen (Diptera: Ceratopogonidae). *Ent. Soc. Wash. Proc.* 66(2):119. June 1964. 420 W27
- 95112 WOMELDORF, D. J., MORTENSON, E. W., and HOLTEN, J. R. A modified Tinkham Hippelates eye gnat trap. *Calif. Vector Views* 10(9):61. Sept.1963. 449.8 C12
- 95113 XEROS, N. Phagocytosis of virus in *Tipula paludosa* Meigen. *J. Insect Path.* 6(2):225-236. June 1964. 421 J826  
Includes polyhedrosis.
- 95114 YU, I. H. A new species of *Leptoconops* from China, *L. (Holoconops) yunhsienensis* (Diptera, Ceratopogonidae). (Ch) *Acta Zool. Sinica* 15(2/4):450-452. June/Dec.1963. 410 Ac87  
English summary.
- 95115 ZHUZHUKOV, D. P. On the possibility of bacteria surviving house fly metamorphosis. (Rus) *Med. Parazit. i Parazitarnye Bolezni* 32(5):558-562. Ref. Sept./Oct.1963. 448.8 M469  
English summary.
- 95116 ZUMPT, F. A note on the life history of *Platycobboldia loxodontis* (Brauer) (Diptera: Gastrophilidae). *Ent. Soc. South. Africa. J.* 26(2):452-453. Jan.31.1964. 420 En86  
Parasite of elephants.
- 95117 ZUSKA, J. The puparia of the European species of the family *Larvaevoridae* (Diptera). I. (Subfamily *Salmaciinae*. 1. Prague. *Narod. Mus. Ent. Odd. Sborn.* 35:333-372. Ref. 1963. 420 P88
- 95118 ZWOLSKI, W. New stations of *Eusimulium codreanui* Serban 1958 (Simuliidae, Diptera) in western Bieszczady. (Pol) *Rocz. Nauk Roln.* 82-B-3:691-696. 1963. 20.5 R59  
English summary.
- Culicidae**
- 95119 BAKER, R. H., and KITZMILLER, J. B. Identification of certain anophelines by means of salivary gland X-chromosomes. *N. J. Mosquito Extermin. Assoc. Proc.*, 50th Annu. Mtg.:415-421. 1963. 420 N46
- 95120 BAST, T. F. Chemical nature of mosquito breeding waters. *N. J. Mosquito Extermin. Assoc. Proc.*, 50th Annu. Mtg.:335-339. 1963. 420 N46
- 95121 BIDLINGMAYER, W. L. Effect of moonlight on mosquito behavior and collections. *Fla. Anti-Mosquito Assoc. Rpt. Annu. Mtg.* 34:62-70. 1963. 420 F663
- 95122 BRELAND, O. P., GASSNER, G., and RIEMANN, J. G. Studies of meiosis in the male of the mosquito, *Culiseta inornata*. *Ent. Soc. Amer. Ann.* 57(4):472-479. Ref. July 1964. 420 En82
- 95123 BURBUTIS, P. P., and JOBBINS, D. M. Notes on certain characteristics of two populations of *Culex pipiens* Linn. in New Jersey. *N. J. Mosquito Extermin. Assoc. Proc.*, 50th Annu. Mtg.:289-297. Ref. 1963. 420 N46  
Anatomical and biological differences.
- 95124 CALIFORNIA MOSQUITO CONTROL ASSOCIATION. A field guide to common mosquitoes of California edited by E. C. Loomis. Ed.2, rev. Visalia? 1963. 26 p. 428 C126  
Identification.
- 95125 CORBET, P. S. Nocturnal flight activity of sylvan *Culicidae* and *Tabanidae* (Diptera) as indicated by light-traps: a further study. *Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent.* 39(4/6):53-67. Ref. July 7,1964. 420 L84Pa  
Includes effects of moonlight.
- 95126 DOW, R. P. Problems in developing an improved bait trap. *Fla. Anti-Mosquito Assoc. Rpt. Annu. Mtg.* 34:38-39. 1963. 420 F663  
Mosquito collecting.
- 95127 FRANZ, D. R. Production and distribution of mosquito larvae on some New Jersey salt marsh impoundments. *N. J. Mosquito Extermin. Assoc. Proc.*, 50th Annu. Mtg.:279-285. 1963. 420 N46  
Chiefly *Culex salinarius* collected.
- 95128 FRENCH, W. L., and KITZMILLER, J. B. Tests for multiple fertilization in *Anopheles quadrimaculatus*. *N. J. Mosquito Extermin. Assoc. Proc.*, 50th Annu. Mtg.:374-380. 1963. 420 N46  
Genetic markers used.
- 95129 GARAY, G. J. Microscope sterile chamber for mosquito egg studies. *N. J. Mosquito Extermin. Assoc. Proc.*, 50th Annu. Mtg.:371-374. 1963. 420 N46
- 95130 HAEGER, J. S. Progress in the colonization of *Culex nigripalpus*. *Fla. Anti-Mosquito Assoc. Rpt. Annu. Mtg.* 34:82-85. 1963. 420 F663
- 95131 HAUFFE, W. O. Quantitative measurements of activity of *Aedes aegypti* (L.) (Culicidae: Diptera) in response to changes in the hygrothermal environment. *Internatl. J. Biomet.* 7(3):245-264. Ref. Mar.1964. 340.8 In8
- 95132 HO, K. M. Report of a new mosquito, *Culex cheni* sp. nov. (Ch) *Acta Ent. Sinica* 12(3/4):368-371. July/Sept.1963. 421 K96  
English summary.
- 95133 ISHII, T. The effect of population density on the larval development of *Culex pipiens pallens*. (Ja) *Jap. J. Ecol.* 13(4):128-132. Ref. Aug. 1963. 410 J272  
English summary.
- 95134 ISMAIL, I. A. H. Comparative study of sense organs in the antennae of culicine and anopheline female mosquitoes. *Acta Trop.* 21(2):155-168. 1964. 475 Ac8
- 95135 JOHNSON, D. R., and FRITZ, R. F. Postage stamps portray a world united against malaria. *N. J. Mosquito Extermin. Assoc. Proc.*, 50th Annu. Mtg.:381-403. 1963. 420 N46  
Mosquito used in illustrations.
- 95136 LINAM, J. H., and NIELSEN, L. T. Notes on the identification of some Western *Culex* larvae. *N. J. Mosquito Extermin. Assoc. Proc.*, 50th Annu. Mtg.:411-415. 1963. 420 N46
- 95137 LIU, I. J. On the nocturnal activities of five species of mosquitoes. (Ch) *Acta Zool. Sinica* 15(2/4):195-202. Ref. June/Dec.1963. 410 Ac87  
English summary.
- 95138 LUKASIAK, J. Pupal fauna of some species of *Culicinae* found in the water reservoirs of Warsaw suburbs. (Pol) *Wiad. Parazytol.* 10(1):79-87. Ref. 1964. 436.8 W63  
English summary.
- 95139 MALLARS, J. Techniques for locating a mosquito source. *Calif. Mosquito Control Assoc. Proc. & Papers*, 31st Annu. Conf.:55-56. Dec.11.1963. 428 C763
- 95140 MEANS, R. G. Techniques for determining thoracic scale patterns on alcohol-preserved mosquitoes. *Brooklyn Ent. Soc. B.* 58(4):126. Oct.1963. 420 B79

- 95141 MEOLA, R. The influence of temperature and humidity on embryonic longevity in *Aedes aegypti*. Ent. Soc. Amer. Ann. 57(4):468-472. Ref. July 1964. 420 En82
- 95142 MICKS, D. W., and MCNEILL, J. C. Preliminary egg sampling studies of salt marsh mosquitoes. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:339-342. 1963. 420 N46  
Texas.
- 95143 NICOLI, R. M., and others. The biocoenosis of sweet waters of crystalline Corsica; introduction to the knowledge of the breeding places of mosquitoes in the Pieve de Salice (Cruzzini) at 100-1,500 meters. (Fr) Terre et la Vie 110 (2):140-163. Apr./June 1963. 410,9 P21  
J. Nicoli, J. A. Rioux, and M. Quilici, joint authors.  
Includes other aquatic insects and vegetation.
- 95144 NIELSEN, E. T., and NIELSEN, H. T. The swarming habits of some Danish mosquitoes. Ent. Meddel. 32(2):99-170, map. Ref. 1963. 421 En82
- 95145 NIELSEN, L. T., LINAM, J. H., and REES, D. M. New distribution records for mosquitoes in the Rocky Mountain States. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:424-428. Ref. 1963. 420 N46
- 95146 OWEN, W. B. Taste organs and their role in the feeding of mosquitoes. Calif. Mosquito Control Assoc. Proc. & Papers, 31st Annu. Conf.:79-80. Ref. Dec.11,1963. 428 C763  
*Aedes dorsalis* and *Culiseta inornata*.
- 95147 PETERSEN, J. J. A comparative growth rate study between the larvae of *Aedes dorsalis* Meigen and *Aedes nigromaculis* (Ludlow). Utah Mosquito Abatement Assoc. Proc., 16th Annu. Mtg.:24-25. 1963. 420 Ut1
- 95148 PROVOST, M. W. The biology of *Culex nigripalpus*. Fla. Anti-Mosquito Assoc. Rpt. Annu. Mtg. 34:25-30. 1963. 420 F663
- 95149 SERVICE, M. W. Two albinoid females of *Anopheles gambiae* Giles (Diptera: Culicidae) from northern Nigeria. Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 33(5/6):101-102. June 30, 1964. 420 L84Pb
- 95150 SIMKOVA, A. Tahyna virus in hedgehogs. Acta Virologica 8(3):285. May 1964. 448.3 Ac85  
Host of mosquitoes.
- 95151 TINKER, M. E. The urban nature of *Aedes aegypti*. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:363-371, map. 1963. 420 N46  
Surveys in Southeastern States.
- 95152 VANDEHEY, R. C. Genetic variability in *Aedes aegypti* (Diptera: Culicidae). III. Plasticity in laboratory populations. Ent. Soc. Amer. Ann. 57(4):488-496. Ref. July 1964. 420 En82  
Mutations.
- 95153 VOLOZINA, N. V. Correlation between the body weight, potential fecundity and the amount of blood ingested in mosquitoes of the genus *Aedes*. (Rus) Med. Parazitol. i Parazitarnye Bolezni 32(5):515-521. Ref. Sept./Oct. 1963. 448.8 M469  
English summary.
- 95154 WEISER, J., and VAVRA, J. On the distribution of *Coelomomyces* fungi in European insects. (Ge) Z. f. Tropmed. u. Parasitol. 15(1):38-42. Ref. Apr. 1964. 448.8 Z37  
English summary.  
Found in *Aedes vexans* and *Chironomus plumosus*.
- Hemiptera**
- 95155 ANANTHAKRISHNAN, P. V. The post-embryonic development of the male genitalia of *Clovira* sp. Banaras Hindu U. J. Sci. Res. 13(2):283-301. June 1963. 330.9 B43
- 95156 ASHLOCK, P. D. Two new tribes of Rhyparochrominae: a re-evaluation of the Lethaeini (Hemiptera-Heteroptera: Lygaeidae). Ent. Soc. Amer. Ann. 57(4):414-422. Ref. July 1964. 420 En82  
Includes Antilocorini and Targaremini new tribes.
- 95157 ASTON, A. *Livia juncorum*, Latreille (Hemiptera Chermidae) in Suffolk. Suffolk Nat. Soc. Trans. 12(5):386. Jan.1, 1964. 410.9 Su2
- 95158 BALDUF, W. V. Numbers of ovarioles in the Heteroptera (Insecta). Ent. Soc. Wash. Proc. 66(1):2-5. Ref. Mar. 1964. 420 W27
- 95159 BEHRENDT, K. On the egg diapause of *Aphis fabae* Scop. (Homoptera, Aphididae). (Ge) Zool. Jahrb. Abt. f. Allg. Zool. u. Physiol. der Tiere 70(3):309-398. Ref. 1963. 410 Z751Z
- 95160 BEIQUE, R., and ROBERT, A. The Lygaeidae from the Province of Quebec (Heteroptera). (Fr) Ent. Soc. Quebec. Ann. 8:70-96. Ref. 1963. 420 It1
- 95161 BEIRNE, B. P. The cicadas (Homoptera: Cicadidae) and treehoppers (Homoptera: Membracidae) of Canada. n.p., 1962? 54 p. Ref. 431 B39
- 95162 BISSELL, T. L. Locality records and a host plant for the stinkbug *Edessa florida* Barber (Hemiptera: Pentatomidae). Ent. Soc. Wash. Proc. 66(2):119-120. June 1964. 420 W27  
On *Convolvulus sepium* in Southeastern States.
- 95163 BOHM, O. *Aphis steinbergi* Schaposchnikow (1952) and *Aphis commensalis* Stroyan (1952). (Ge) Pflanzenschutzberichte 30(7/8):97-122. Nov. 1963. 464.9 P48  
Biology and synonymy of pest of *Rhamnus cathartica* in galls of *Trichopsylla walkeri*.
- 95164 BORATYNSKI, K. L., and WILLIAMS, D. J. A note on some British Coccoidea, with new additions to the British fauna. Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 33(5/6):103-110. Ref. June 30, 1964. 420 L84Pb
- 95165 BOWDEN, J. The relation of activity of two species of Belostomatidae to rainfall and moonlight in Ghana (Hemiptera: Heteroptera). Ent. Soc. South. Africa. J. 26(2):293-301. Jan. 31, 1964. 420 En86  
Flight activity of *Lethocerus niloticus* and *Sphaerodema severinii*.
- 95166 BRONNIMANN, H. Rearing anthocorids on an artificial medium. Commonwealth Inst. Biol. Control. Tech. B. 4:147-150. Jan. 1964. 423.92 C733T  
*Anthocoris nemorum* and *A. nemoralis* on a milk diet.
- 95167 BRONNIMANN, H. A simple method of obtaining accurate samples of very active insects on twigs and shoots. Commonwealth Inst. Biol. Control. Tech. B. 4:151-153. Jan. 1964. 423.92 C733T  
Equipment for collecting *Psylla pyricola* and its parasites.
- 95168 BROWN, S. W., and NUR, U. Heterochromatic chromosomes in the coccids. Science 145 (3628):130-136. Ref. July 10, 1964. 470 Sci2
- 95169 BUCKLE, W. Development and migration of the maple Chaetophoridae in relation to climatic factors and physiology of the host plant. (Ge) Zool. Jahrb. Abt. f. Allg. Zool. u. Physiol. der Tiere 70(2):177-244. Ref. Mar. 30, 1963. 410 Z751Z
- 95170 CAZIER, M. A. Host plants, population density, and parasites of two species of jumping plant lice. Pan-Pacific Ent. 40(2):67-74. Apr. 1964. 421 P193  
*Trioza collaris* and *Kuwayama medicaginis*.
- 95171 CURTIS, C. E., and MCCOY, C. E. Some host-plant preferences shown by *Lygus lineolaris* (Hemiptera: Miridae) in the laboratory. Ent. Soc. Amer. Ann. 57(4):511-513. July 1964. 420 En82
- 95172 DELONG, D. M., and FREYTAG, P. H. Studies of the Gyponinae. 1. The genus *Marganana* DeLong (Homoptera: Cicadellidae). Ohio J. Sci. 63(6):258-262. Nov. 1963. 410 Oh3  
Includes new species.
- 95173 DELONG, D. M., and FREYTAG, P. H. Studies of the Gyponinae. 2. A new genus—*Zonana* (Homoptera: Cicadellidae). Ohio J. Sci. 63(6):262-265. Nov. 1963. 410 Oh3  
Includes new species.
- 95174 DELONG, D. M., and FREYTAG, P. H. Studies of the Gyponinae, the genus *Dragonana* Ball and Reeves (Homoptera: Cicadellidae). Ent. Soc. Wash. Proc. 66(2):113-118. June 1964. 420 W27  
Includes n. spp.



- 95175 DELONG, D. M., and FREYTAG, P. H. Studies of the Gyponinae: a new genus—*Chloronana* (Homoptera: Cicadellidae). Ent. Soc. Amer. Ann. 57(4):503-511. July 1964. 420 En82  
Includes n. spp. from the Neotropical Region.
- 95176 DENNIS, C. J. Further notes about treehoppers at light traps (Homoptera, Membracidae). Ent. News [Philadelphia] 75(6):167. June 1964. 421 En88  
Collected in Wisconsin.
- 95177 DE WORMS, C. Some interesting aphids and their parasites. Suffolk Nat. Soc. Trans. 12(5):384-385. Jan. 1, 1964. 410.9 Su2
- 95178 DISPONS, P. A new Harpactorinae from Morocco: *Coranus lindbergi* (Heteroptera Reduviidae). (Fr) Notulae Ent. 43(4):158-159. 1963. 421 N84
- 95179 DLABOLA, J. Some new species of the family Cicadellidae from Central Asia, and zoogeographical comments on some particular Palearctic leafhoppers (Homoptera). (Ge) Prague. Narod. Mus. Ent. Odd. Sborn. 35:381-390. 1963. 420 P88  
Includes n. spp. in *Eupteryx*, *Kybos*, *Chlorita*, *Handianus*, *Oncopsis*, *Macropsis*, and *Platymetopius*.
- 95180 DLABOLA, J. Types and little known species from the collection of H. Haupt with descriptions of some leafhoppers from Siberia (Homoptera). (Ge) Prague. Narod. Mus. Ent. Odd. Sborn. 35:313-331. Ref. 1963. 420 P88  
Includes n. spp. in *Metropis* and *Tropidocephala*.
- 95181 DRAKE, C. J., and LATTIN, J. D. American species of the lacebug genus *Acalypta* (Hemiptera: Tingidae). U. S. Natl. Mus. Proc. 115 (3486):331-345, map. Ref. 1963. 500 Sm65P  
North America and Mexico.
- 95182 DRAKE, C. J., and HERRING, J. L. The genus *Nidicola* (Hemiptera: Anthocoridae). Biol. Soc. Wash. Proc. 77:53-63. June 26, 1964. 500 W272  
Includes n. spp.
- 95183 DRAKE, C. J. New lacebugs [Tingidae] from the Eastern Hemisphere. Great Basin Nat. 23 (3/4):149-158. Dec. 16, 1963. 410 G79  
New species in *Cysteocheila* and *Leptopharsa*.
- 95184 DRAKE, C. J., and LIVINGSTONE, D. Two new species of lacebugs from India (Hemiptera: Tingidae). Great Basin Nat. 24(1):27-30. Mar. 31, 1964. 410 G79  
New species in *Tingis* and *Monosteira*.
- 95185 FAUROT-BOUCHET, E., and MICHEL, G. Composition of insect waxes. I. Waxes of exotic Coccidae: *Gascardia madagascariensis*, *Coccus ceriferus* and *Tachardia lacca*. Amer. Oil. Chem. Soc. J. 41(6, tech. sect.):418-421. Ref. June 1964. 307.8 J82
- 95186 FEIR, D. Post-eclosion shedding of a membrane by *Oncopeltus fasciatus* (Dal.) (Hemiptera: Lygaeidae). Kans. Ent. Soc. J. 37(1):21-22. Jan. 1964. 420 K13
- 95187 FERNANDO, C. H., and LEONG, C. Y. Miscellaneous notes on the biology of Malay Coreixidae (Hemiptera: Heteroptera) and a study of the life histories of two species, *Micronecta quadristrigata* Bredd. and *Agraptocorixa hyalinipennis* (F.). Ann. & Mag. Nat. Hist. (ser. 13) 6(69):545-558. Ref. Sept. 1963. 410 An77
- 95188 FOSSEL, A. On the life of the European maple aphid *Periphyllus villosus* Htg. (Ge) Z. f. Bienenforsch. 6(7):199-207. July 1963. 424.8 Z3  
English summary.  
Production of honeydew on *Acer pseudoplatanus*.
- 95189 GHAURI, M. S. K. A new genus based on *Orosius maculatus* Pruthi and generic re-assignment of some of Pruthi's species of Cicadelloidea (Auchenorrhyncha: Homoptera). Ann. & Mag. Nat. Hist. (ser. 13) 6(69):559-563. Sept. 1963. 410 An77  
Includes *Pruthiosius* n. g.
- 95190 GUPTA, A. P. Musculature and mechanism of the nymphal scent-apparatus of *Riptortus linearis* H.S. (Heteroptera: Alydidae) with comments on the number, variation and homology of the abdominal scent glands in other Heteroptera. Ent. Soc. Wash. Proc. 66(1):12-18. Ref. Mar. 1964. 420 W27
- 95191 GYLLENSVARD, N. Some new or rare Swedish Hemiptera. II. (Sw) Opusc. Ent. 28(3):198-200. 1963. 421 Op7  
English summary.
- 95192 HAINE, E., KONIG, H. L., and SCHMEER, H. Aphid moulting under controlled electrical conditions. Internatl. J. Biomet. 7(3):265-275. Ref. Mar. 1964. 340.8 In8  
Experiments with *Myzus persicae*.
- 95193 HERRING, J. L. A new species of Halobates from the Bay of Bengal (Hemiptera: Gerridae). Ent. Soc. Wash. Proc. 66(2):85-86. June 1964. 420 W27
- 95194 HOBERLANDT, L. Additional notes on Aradiidae (Heteroptera) from Madagascar and adjacent islands. Prague. Narod. Mus. Ent. Odd. Sborn. 35:127-170. 1963. 420 P88  
Includes n. spp. in *Carventus*, *Andobocoris* n. g., *Tananarivea*, *Robertiessa* n. g., *Classeniana* n. g., *Ctenoneurus*, and *Mezira*.
- 95195 HOLMAN, J. *Pseudobrevicoryne erysimi* sp. n. (Homoptera, Aphidoidea). Ceskoslov. Společnost Ent. Casopis 60(3):177-182. 1963. 420 C33  
Text in English.
- 95196 HOTTES, F. C. A review and key of North American *Cinara* (Homoptera: Aphididae) occurring on *Picea*. Great Basin Nat. 21(3):35-50. Oct. 2, 1961. 410 G79
- 95197 HOTTES, F. C. Three new species of *Cinara*, together with a preliminary list of the species of this genus known from Alaska (Aphididae, Homoptera). Ent. Ber. 24(3):50-54. Mar. 1, 1964. 420 N38B
- 95198 HSIAO, T. Y. The Chinese bamboo coreids of the tribe Cloresmini Stal with the description of a new subspecies (Hem.-Heter.). (Ch) Acta Ent. Sinica 12(3/4):506-510. July/Sept. 1963. 421 K96  
English summary.  
Includes n. sp. in *Cloresmus*.
- 95199 HSIAO, T. Y. New Coreidae (Hemiptera, Heteroptera) from China. I. (Ch) Acta Zool. Sinica 15(2/4):611-623. June/Dec. 1963. 410 Ac87  
English summary.  
New spp. in *Notopteryx*, *Ochrochira*, *Petillocoris*, *Homoeocerus*, *Sinotagus*, *Sinodasynus* n. g., *Dasynus*, *Dasynopsis* n. g., and *Paradasynus*.
- 95200 HSIAO, T. Y., and MENG, H. L. The plant bugs collected from cotton fields in China (Hemiptera-Heteroptera, Miridae). (Ch) Acta Zool. Sinica 15(2/4):439-449. June/Dec. 1963. 410 Ac87  
English summary.  
Includes n. spp. in *Creontiades*, *Megacoelum*, *Tuponia*, *Plagiognathus*, and *Reuteriella* n. g.
- 95201 HSIAO, T. Y. Results of the zoologico-botanical expedition to Southwest China, 1955-1957 (Hemiptera, Coreidae). (Ch) Acta Ent. Sinica 12 (3/4):310-344. July/Sept. 1963. 421 K96  
English summary.  
Includes n. spp. in *Derepteryx*, *Prionolomia*, *Notopteryx*, n. g., *Ochrochira*, *Paramictis*, n. g., *Pseudomictis*, n. g., *Petillia*, *Notobitus*, *Notobitiella*, n. g., *Cloresmus*, *Cordysceles*, n. g., *Hygia*, *Homoeocerus*, *Anhomoeus*, n. g., *Cletomorpha*, *Hydarella*, *Acestra*, *Grypoccephalus*, n. g., *Aeschymtelus*, and *Serinetha*.
- 95202 JACOB, F. H. A new species of *Thuleaphis* H.R.L. (Homoptera: Aphidoidea) from Wales, Scotland and Iceland. Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 33(5/6):111-116. June 30, 1964. 420 L84Pb  
*Thuleaphis sedi* n. sp. on *Sedum rosea*.

- 95203 JOSIFOV, M. A new species of Rhyparochromus from the Island of Crete (Hem. Het. Lygaeidae). (Ge) Prague. Narod. Mus. Ent. Odd. Sborn. 35:123-126. 1963. 420 P88  
Rhyparochromus creticus n. sp.
- 95204 KAWECKI, Z. The appearance of Coccidae of the genus Lecanium Burm. on mistletoe [Viscum album] (Homoptera, Coccoidea, Lecanidae). Soc. Ent. Ital. Mem. 41:15-24. Ref. 1962. 420 It1M  
Lecanium persicae goidanichi n. spp.
- 95205 KERZHNER, I. M. Contribution to the knowledge of the subfamily Nabinae (Heteroptera: Nabidae). (Ge) Prague. Narod. Mus. Ent. Odd. Sborn. 35:5-61. Ref. 1963. 420 P88  
Text also in Russian, p.39-61.  
Includes n. spp. in Stenonabis and Nabis.
- 95206 KERZHNER, I. M. Some Nabinae (Heteroptera, Nabidae) from the collection of the Magyar Természettudományi Múzeum of Budapest. (Ge) Budapest. Magyar Nemzeti Muz. Evkon. 55:457-461. 1963. 410.9 B85E
- 95207 KIRITANI, K. Oviposition habit and effect of parental age upon the post-embryonic development in the Southern green stink bug, Nezara viridula. Jap. J. Ecol. 13(3):88-96. Ref. June. 1963. 410 J272
- 95208 KLIMASZEWSKI, S. J. Blattflohe (Homoptera, Psyllidae) aus der Mongolei [Jumping plantlice (Homoptera, Psyllidae) from Mongolia]. Polska Akad. Nauk. Inst. Zool. Ann. Zool. 21(8):19 p. July 20, 1963. 410.9 W26  
Includes n. spp. in Psylla and Paratrioza.
- 95209 KORMILEV, N. A. Neotropical Aradidae XIII (Heteroptera: Aradidae). N. Y. Ent. Soc. J. 72(2):112-119. June 1964. 420 N48J  
Includes n. spp. in Rhysocoris, Actatocoris n. g., Mezira, and Llamacoris n. g.
- 95210 KRAMER, J. P. A key for Portanus with new records and descriptions of new species (Homoptera: Cicadellidae: Xestocephalinae). Ent. Soc. Wash. Proc. 66(1):5-11. Mar. 1964. 420 W27
- 95211 KRAMER, J. P. A review of the Oriental leafhopper genus Sudra Distant (Homoptera: Cicadellidae: Hylicinae). Biol. Soc. Wash. Proc. 77:47-51. June 26, 1964. 500 W272  
Includes a n.sp.
- 95212 KUBACKA, M. Resistance of the bean aphid (Aphis fabae Scop.) to temperature changes. (Pol) Ochrona Roslin 7(7):4-7. July 1963. 464.8 Oc32
- 95213 LELLAKOVA-DUSKOVA, F. The morphology, metamorphosis, and life-cycle of the scale insect Quadraspidiotus gigas (Thiem et Gerneck) (Homoptera, Coccoidea, Diaspididae). Prague. Narod. Mus. Ent. Odd. Sborn. 35:611-648, map. Ref. 1963. 420 P88
- 95214 LEONARD, M. D. Additional records of New Jersey aphids. N. Y. Ent. Soc. J. 72(2):79-101. June 1964. 420 N48J  
Includes food and host plant list.
- 95215 LE QUESNE, W. J. Some taxonomic changes and additions in the British Cicadellidae (Hemiptera) including a new species and subspecies. Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 33(5/6):73-82. Ref. June 30, 1964. 420 L84Pb  
Includes n. sp. in Aphrodes.
- 95216 LINDBERG, H. The eremic element in the Heteroptera fauna from southern Morocco. (Ge) Notulae Ent. 43(4):139-148. Ref. 1963. 421 N84
- 95217 LINDBERG, H. Find of Chilacis typhae (Perr.) (Hem. Het.). (Sw) Notulae Ent. 43(4):151. 1963. 421 N84  
Finland.
- 95218 LINDBERG, H. Is there a desert race of Gerris cinereus (Puton)? (Ge) Notulae Ent. 43(4):149-151. 1963. 421 N84
- 95219 LINDBERG, H. Jassargus (Sayetus) andorranus n. sp. (Cicadina, Jassidae). Notulae Ent. 43(4):152-154. 1963. 421 N84  
Text in German.  
Andorra.
- 95220 LINDBERG, H. Notonecta reuteri Hung. Notulae Ent. 43(4):131-132. 1963. 421 N84  
Text in Swedish.
- 95221 LOEWUS, M. W., and BROWN, S. W. Base ratios in DNA in male and female Pseudococcus citri. Nature [London] 203(4940):104. Ref. July 4, 1964. 472 N21
- 95222 LOGINOVA, M. M. Jumping plantlice of the genus Psyllopsis (Homoptera, Psylloidea). (Rus) Prague. Narod. Mus. Ent. Odd. Sborn. 35:183-196. Ref. 1963. 420 P88  
English summary.  
Includes new species.
- 95223 MCDONALD, F. J. D. Nymphal systematics and life histories of some Queensland Scutellerinae Leach (Hemiptera: Pentatomidae). Queensland. U. Dept. Ent. Papers 1(17):275-295. Ref. Sept. 20, 1963. 420 Q3
- 95224 MAHDIHASSAN, S. Lakshadia communis the wild lac-insect. Z. f. Angew. Ent. 53(3):310-319. Feb. 1964. 421 Z36  
Biology and food and host plant.
- 95225 MAHDIHASSAN, S. The male and female first stage lac-larvae (Coccidae). Z. f. Angew. Ent. 52(4):402-411. Oct. 1963. 421 Z36  
Lakshadia mysorensis and L. communis.
- 95226 MALDONADO CAPRILES, J. Studies on Idiocerinae leafhoppers. II. The Indian and Philippine species of Idiocerus and the genus Idioscopus (Homoptera: Cicadellidae). Ent. Soc. Wash. Proc. 66(2):89-100. June 1964. 420 W27  
Includes Paraidioscopus n. g.
- 95227 MANCINI, C. Chorology of Italian Hemiptera. VII. Hemiptera Heteroptera of the Marches. (It) Soc. Ent. Ital. B. 92(9/10):137-144. Dec. 20, 1962. 420 It1
- 95228 MARICONI, F. A. M. Description of new species of Coryzoplatus (Hemiptera—Coreidae). (Por) Rev. de Agr. [Piracicaba] 38(4):225-228. Dec. 1963. 9.2 R324
- 95229 MASSEE, A. M. The Hemiptera—Heteroptera of Kent. II. So. London Ent. & Nat. Hist. Soc. Proc. & Trans. 1962:123-183. Ref. Oct. 1963. 420 So8
- 95230 MEHROTRA, K. N. Keto acids in the haemolymph of Dysdercus koenigii (Fabr.). Experientia 20(7):383-384. July 15, 1964. 475 Ex7
- 95231 MENKE, A. S. Lectotype designation for Ranatra quadridentata Stål (Hemiptera: Nepidae). Brooklyn Ent. Soc. B. 58(4):112-113. Oct. 1963. 420 B79
- 95232 OSSIANILSSON, F. Contribution to the knowledge of Swedish psyllids (Hemiptera Homoptera, Psylloidea). (Sw) Opusc. Ent. 28(3):201-204. 1963. 421 Op7  
English summary.
- 95233 OSSIANILSSON, F. On Zygimus nigriceps (Fallen) (Hem. Miridae). (Sw) Opusc. Ent. 28(3):205-207. 1963. 421 Op7  
English summary.  
Found on Juniperus spp. never on its alleged host plant Pinus sylvestris.
- 95234 PSCHORN-WALCHER, H. Comparison of some Dreyfusia (= Adelges) infestations in Eurasia and North America. Commonwealth Inst. Biol. Control. Tech. B. 4:1-23. Ref. Jan. 1964. 423.92 C733T  
Includes host plants, all of Abies spp.
- 95235 RAO, S. R. V. An account of the tetraploid spermatocytes in a cercopid bug, Poophilus sp. Dusenla 8(3):109-114. Ref. May 15, 1963. 410 D94
- 95236 REMANE, R. On knowledge of the genus Nabis Latr. (Hem. Het. Nabidae). (Ge) Soc. Ent. Ital. Mem. 41:5-14. 1962. 420 It1M  
Italian summary.  
Includes n. sp.
- 95237 ROUBAL, J. On two interesting Prague mirids: Macrolophus glaucescens Fieber and Phytocoris parvulus Reuter (Hemiptera: Heteroptera: Miridae). (Ge) Prague. Narod. Mus. Ent. Odd. Sborn. 35:303-312. Ref. 1963. 420 P88
- 95238 RUCKES, H. A new Panamanian stink bug (Heteroptera: Pentatomidae, Discocephalinae). Brooklyn Ent. Soc. B. 58(4):129-132. Oct. 1963. 420 B79  
Includes n. sp. in Selenochilus n. g.
- 95239 RUHOFF, F. A. The proposal of a new name (Hemiptera: Hydrometridae). Ent. Soc. Wash. Proc. 66(1):32. Mar. 1964. 420 W27  
Hydrometra sumatrana n. n. for Hydrometra insularis Hungerford and Evans, 1934.



- 95240 RUSSELL, L. M. A new species of *Aleurocybotus* (Homoptera: Aleyrodidae). Ent. Soc. Wash. Proc. 66(2):101-102. June 1964. 420 W27  
Pest of grasses in California, *A. occiduus* n. sp.
- 95241 SCHALLER, G. Biochemical separation of races in the grape phylloxera (*Viteus vitifolii* Shimer) by analysis of the saliva. (Ge) Zool. Jahrb. Abt. f. Allg. Zool. u. Physiol. der Tiere 70(2):278-283. Mar. 30, 1963. 410 Z751Z
- 95242 SCHALLER, G. Paper chromatographic analysis of the amino acids and amides of the saliva and honeydew of 10 aphid species with varying phytopathogenicity. (Ge) Zool. Jahrb. Abt. f. Allg. Zool. u. Physiol. der Tiere 70(3):399-406. Ref. 1963. 410 Z751Z
- 95243 SCHEURER, S. On the biology of some spruce-inhabiting Lachnidae species (Homoptera, Aphidina). (Ge) Z. f. Angew. Ent. 53(2):153-178, map. Ref. Jan. 1964. 421 Z36  
*Cinara* spp. and *Lachniella costata*.
- 95244 SCUDDER, G. G. E. Heteroptera stranded at high altitudes in the Pacific Northwest. Ent. Soc. Brit. Columbia. Proc. 60:41-44. Ref. 1963. 420 B77  
Dissemination by wind.
- 95245 SCUDDER, G. G. E. The world Rhyparochrominae (Hemiptera: Lygaeidae). III. New Rhyparochrominae from the Ethiopian Region. Canad. Ent. 95(12):1233-1253. Dec. 1963. 421 C16  
Includes n. spp. in *Fontathanus* n. g., *Remaudiereana*, *Alloccentrum*, *Metadieuches*, *Nocellochromus* n. g., *Polycrates*, *Rollathemus* n. g., *Serranegra*, *Neolethaeus*, *Dendezia* n. g., *Ethaltomarus* n. g., *Kanadyana* n. g., *Migdilybs*, and *Ibexocoris* n. g.
- 95246 SEIDENSTUCKER, G. *Emblethis* species of Asia Minor (Heteroptera, Lygaeidae). (Ge) Prague. Narod. Mus. Ent. Odd. Sborn. 35:649-665. 1963. 420 P88  
Includes new species.
- 95247 SEIDENSTUCKER, G. *Rhyparochromus* subgen. *Microtomideus* in Asia Minor (Heteroptera, Lygaeidae). (Ge) Prague. Narod. Mus. Ent. Odd. Sborn. 35:415-428. Ref. 1963. 420 P88  
Includes *Rhyparochromus* (*Aellopideus*) n. sgen. and *Rhyparochromus* (*Microtomideus*) *tenebrosus* n. sp.
- 95248 SLAMA, K., and HRUBESOVA, H. Agreement in the effect of larval and imaginal corpora allata on respiration metabolism and reproduction in *Pyrhocoris apterus* L. females. (Ge) Zool. Jahrb. Abt. f. Allg. Zool. u. Physiol. der Tiere 70(3):291-300. Ref. 1963. 410 Z751Z
- 95249 SLATER, J. A., and SCHAEFER, C. W. *Leptocoris trivittatus* (Say) and *Coriomeris humilis* Uhl. in New England (Hemiptera: Coreidae). Brooklyn Ent. Soc. B. 58(4):114-117. Oct. 1963. 420 B79
- 95250 SRIVASTAVA, P. N., and AUCLAIR, J. L. The nature of some enzymes in the digestive system of the pea aphid, *Acyrtosiphon pisum* (Harr.) (Homoptera: Aphididae). (Fr) Ent. Soc. Quebec. Ann. 8:24-28. Ref. 1963. 420 En822
- 95251 STARY, P. A study on the relationship of the Dactynotinae and their aphidiid parasites in Europe (Homoptera: Aphidoidea, Hymenoptera: Aphidiidae). Prague. Narod. Mus. Ent. Odd. Sborn. 35:593-610. Ref. 1963. 420 P88  
Includes new species in *Aphidius*.
- 95252 STROYAN, H. L. G. Notes on hitherto unrecorded or overlooked British aphid species. Roy. Ent. Soc. London. Trans. 116(3):29-72. Ref. July 1, 1964. 420 L84  
Includes *Paranoecia* n. g.
- 95253 STROYAN, H. L. G. Notes on some British species of *Pemphigus* Hartig (Homoptera: Aphidoidea) forming galls on poplar, with the description of a new species. Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy 33(5/6):92-100. Ref. June 30, 1964. 420 L84Pb
- 95254 STUSAK, J. M. *Metacanthus transvaalensis*, sp. n.—a new stilt-bug from South Africa (Heteroptera, Berytidae). Prague. Narod. Mus. Ent. Odd. Sborn. 35:537-541. Ref. 1963. 420 P88  
Transvaal.
- 95255 STYS, P. The morphology and relationship of the family Hyocephalidae (Heteroptera). Acta Zool. [Budapest] 10(1/2):229-262. Ref. 1964. 410 Ac85
- 95256 SZELEGIEWICZ, H. Aphididae (Homoptera) aus Vorderasien, samt Beschreibung einer neuen Untergattung und Art [Aphididae (Homoptera) from the Near East, with a description of a new subgenus and species]. Polska Akad. Nauk. Inst. Zool. Ann. Zool. 21(7):8 p. July 15, 1963. 410.9 W26  
Includes n. sp. in *Macrosiphoniella* (*Papillomyzus*) n. sgen.
- 95257 SZELEGIEWICZ, H. The identity of *Paczoskia turanica* (Nevsky, 1929) Homoptera, Aphididae). (Ge) Acad. Polon. des Sci. B. Ser. des Sci. Biol. 12(3):129-132. 1964. 512 W262
- 95258 SZELEGIEWICZ, H. On names of aphids found on potatoes. (Pol) Polskie Pismo Ent. Ser. B, 1/2:79-82. 1963. 421 P762
- 95259 TAMANINI, L. Description of a new *Carpocoris* from the Himalayas (Hemiptera, Heteroptera, Pentatomidae). (It) Soc. Ent. Ital. B. 92(5/6):74-77. July 30, 1962. 420 It1
- 95260 VILLIERS, A. The Reduviidae from Madagascar. XIX. Oncocephalinae; revision of the genus *Sastrapada*. (Fr) Rev. Franc. d'Ent. 29(2):108-117. 1962. 421 R323  
Includes n. spp.
- 95261 VILLIERS, A. The Reduviidae from Madagascar. XX. Physoderinae. (Fr) Rev. Franc. d'Ent. 29(3):219-234. 1962. 421 R323  
Includes n. spp. in *Epiroderoides* n. g., *Befotaka* n. g., *Neophysoderes*, *Paraphysoderes* n. g., *Maroantsetra* n. g., *Tribelocephaloides* n. g., *Henicocephaloides* n. g., i.e. *Enicocephaloides* n. g. in key, *Physoderoides*, *Rodepirea* n. g., and *Mimaelasmodema* n. g.
- 95262 VONDRACEK, K. Jumping plantlice (*Psyllodea*-Homoptera) of central Africa. I. (Congo). Prague. Narod. Mus. Ent. Odd. Sborn. 35:263-290. Ref. 1963. 420 P88  
Includes *Anomalopsyllinae* n. sfam., *Triozamia* n. g., and n. spp. in *Syndesmophlebia* n. g., *Diaphorina*, and *Macrocorsa* n. g.
- 95263 WAGNER, E. *Conostethus angustus* sp. n. (Hemiptera Heteroptera, Miridae). Polska Akad. Nauk. Inst. Zool. Ann. Zool. 21(1), 4 p. June 30, 1963. 410.9 W26  
Text in German.
- 95264 WAGNER, E. Einige neue Arten aus der Unterfamilie Phyllinae Dgl. et Sc. (Hemiptera Heteroptera, Miridae) [Some new species in the subfamily Phyllinae Dgl. et Sc. (Hemiptera Heteroptera, Miridae)]. Polska Akad. Nauk. Inst. Zool. Ann. Zool. 21(2), 13 p. June 30, 1963. 410.9 W26  
Includes n. spp. in *Harpocera*, *Malacotes*, and *Sthenarus*.
- 95265 WAGNER, E. The genus *Megalodactylus* Fieber, 1858 (Hem. Het. Miridae). (Ge) Prague. Narod. Mus. Ent. Odd. Sborn. 35:177-182. 1963. 420 P88  
Includes *Megalodactylus bicolor* n. sp. from Tunis on *Tamarix*.
- 95266 WAGNER, E. Investigations on the taxonomic value of the structure of genitalia in the Cydnidae (Hem. Het.). (Ge) Prague. Narod. Mus. Ent. Odd. Sborn. 35:73-115. Ref. 1963. 420 P88  
Includes *Exosehirus* n. g.
- 95267 WAGNER, E. A new *Ischnodemus* species from North Africa (Hem. Het. Lygaeidae). (Ge) Notulae Ent. 43(2):75-76. 1963. 421 N84  
*Ischnodemus dentatus* n. sp.
- 95268 WAGNER, E. On the systematics of some North African Miridae (Hem. Het.). (Ge) Soc. Ent. Ital. B. 92(3/4):45-52. Apr. 28, 1962. 420 It1  
Includes *Acetropis* (*Paracetropis*) n. sgen., n. spp. in *Phytocoris*, *Platycranus*, and *Tini-cephalus*.
- 95269 WAGNER, E., and SLATER, J. A. On the systematics of the Blissinae Stal in the Palearctic Region (Hem. Het. Lygaeidae). (Ge) Ent. Ber. 24(4):66-76. Apr. 1, 1964. 420 N38B  
Includes *Stenoblissus nubicus* n. g., n. sp.

- 95270 WAGNER, E. Zur Systematik der Untergattung *Stictophytocoris* Stichel, 1957 (Genus *Phytocoris* Fall., Hemiptera Heteroptera, Miridae) [On the systematics of the subgenus *Stictophytocoris* Stichel, 1957 (genus *Phytocoris* Fall., Hemiptera Heteroptera, Miridae)]. Polska Akad. Nauk. Inst. Zool. Ann. Zool. 21(3), 6 p. June 30, 1963. 410.9 W26
- 95271 WIEGERT, R. G. Population energetics of meadow spittlebugs (*Philaenus spumarius* L.) as affected by migration and habitat. Ecol. Monog. 34(3):217-241. Ref. Summer 1964. 410 Ec72
- 95272 WILDE, W. H. A. Hyperpredators of the pear psylla, *Psylla pyricola* Foerster (Homoptera: Chermidae). Ent. Soc. Brit. Columbia. Proc. 60:48-49. 1963. 420 B77
- 95273 WILLIAMS, D. J. Synoptic revisions of I. *Lindingaspis* and II. *Andaspis* with two new allied genera (Hemiptera: Coccoidea). Brit. Mus. (Nat. Hist.) B. Ent. 15(1):31 p., map. 1963. 420 B773  
Includes n. spp. in *Lindingaspis*, *Andaspis*, *Caia* n. g., and *Metandaspis* n. g.

### Hymenoptera

#### SEE ALSO Apiculture and *Apis mellifera*.

- 95274 AGARWAL, M. M. Studies of forms of *Aphelinidae* (Hymenoptera-Chalcidoidea) collected at Aligarh (India). I. Indian Acad. Sci. Proc. Sect. B, 59(5):263-286. Ref. May 1964. 513 In25B  
Includes new spp. in *Coccophagus*, *Prospaltella*, and *Encarsia*.
- 95275 ALL, M. H. New record of *Apanteles leptaura* C., parasitising *Terastia meticulosalis* Gn. in India. Cur. Sci. 33(10):317. May 20, 1964. 475 Sci23
- 95276 ANDER, K. On bumblebees and parasitic bumblebees. Notes on Hymenoptera. 3. (Sw) Opusc. Ent. 28(3):189-195. 1963. 421 Op7  
German summary.
- 95277 ANNECKE, D. P. Records and descriptions of African Encyrtidae. 2. (Hymenoptera: Chalcidoidea). Ent. Soc. South. Africa. J. 26(2):390-410. Jan. 31, 1964. 420 En86  
Includes n. spp. in *Coccidoxenus*, parasites of scale insects.
- 95278 AUBERT, J. F. The Ichneumonidae of the French Mediterranean littoral. 4. Alpes-Maritimes. (Fr) Rev. Franc. d'Ent. 29(2):124-153. 1962. 421 R323
- 95279 AUBERT, J. F. The Ichneumonidae of the French Mediterranean littoral. 5. Var Department. (Fr) Vie et Milieu 14(4):847-878. 1963. 442.8 V67  
Includes n. spp. in *Casinaria*, *Horogenes*, and *Hyposoter*.
- 95280 BALAZY, S. Some remarks on *Perniphora robusta* Rusch. (Hym., Pteromalidae). (Pol) Polskie Pismo Ent. Ser. B, 1/2:91-94. Ref. 1963. 421 P762  
English summary.  
Parasite of bark beetles.
- 95281 BARTLETT, B. R., and BALL, J. C. The developmental biologies of two encyrtid parasites of *Coccus hesperidum* and their intrinsic competition. Ent. Soc. Amer. Ann. 57(4):496-503. Ref. July 1964. 420 En82  
*Microterys flavus* and *Metaphycus luteolus*.
- 95282 BATRA, S. W. T. Behavior of the social bee, *Lasioglossom zephyrum*, within the nest (Hymenoptera: Halictidae). Insectes Sociaux 11(2):159-185. Ref. June 1964. 421 In79
- 95283 BEAUMONT, J. DE. Notes on the Palearctic *Spheg* of the subgenus *Chlorion* Latr. (Hymenoptera Sphecidae). (Fr) Bologna. U. Ist. di Ent. B. 26:29-41. Ref. 1962/63. 420 B63
- 95284 BEAUMONT, J. DE. Some Sphecidae (Hymenoptera) of Afghanistan. (Fr) Budapest. Magyar Nemzeti Muz. Evkon. 55:417-419. 1963. 410.9 B85E  
Includes *Crossocerus* (*Crossocerus*) *klapperichi* n. sp.
- 95285 BENNETT, F. D. Notes on the nesting site of *Centris derasa* (Hymenoptera: Apoidea). Pan-Pacific Ent. 40(2):125-128. Apr. 1964. 421 P193
- 95286 BENSON, R. B. Wear and damage of sawfly saws (Hymenoptera, Tenthredinidae). Notulae Ent. 43(4):137-138. 1963. 421 N84  
*Tenthredo* and *Rhogaster*.
- 95287 BLUTHGEN, P. *Katamenes arbustorum algrus* (W. A. Schulz 1905) (Hymenoptera, Eumeninae). Berlin. Zool. Mus. Mitt. 39(1):241-244. 1963. 410.9 B45  
Text in German.
- 95288 BOUCEK, Z. A taxonomic study in *Spalangia* Latr. (Hymenoptera, Chalcidoidea). Prague. Narod. Mus. Ent. Odd. Sborn. 35:429-512. Ref. 1963. 420 P88  
Includes n. spp.
- 95289 BOWDEN, J. Notes on the biology of two species of *Dasyproctus* Lep. and Br. in Uganda (Hymenoptera: Sphegidae). Ent. Soc. South. Africa. J. 26(2):425-437. Jan. 31, 1964. 420 En86  
*Dasyproctus bipunctatus* and *D. kibonotensis*, includes nests and a list of their prey.
- 95290 BROWN, W. L. Characters and synonymies among the genera of ants. III. Some members of the tribe *Ponerini* (Ponerinae, Formicidae). Breviora 190, 10 p. Sept. 30, 1963. 410 B75
- 95291 BURKS, B. D. The Provancher species of *Chalcidoidea* (Hymenoptera). Canad. Ent. 95 (12):1254-1263. Ref. Dec. 1963. 421 C16
- 95292 BURZYNSKI, J., and KOT, J. Investigations on the period of attractiveness of *Panolis flammea* (Schiff.) eggs for *Trichogramma cacoeciae* (March.). (Pol) Polskie Pismo Ent. Ser. B, 1/2:7-14. 1963. 421 P762  
English summary.  
Laboratory tests.
- 95293 BYTINSKI-SALZ, H. Geographical variation and sex-ratio in *Leucospis gigas* (Hymenoptera, Chalcidoidea). Prague. Narod. Mus. Ent. Odd. Sborn. 35:527-530, map. 1963. 420 P88
- 95294 CAZIER, M. A., and MORTENSON, M. A. Studies on the bionomics of sphecoid wasps. I. *Moniaecera asperata* (Hymenoptera: Sphecidae). Pan-Pacific Ent. 40(2):111-114. Apr. 1964. 421 P193  
Includes description of habits and nests.
- 95295 CELLI, G. Contribution to the study of the Hymenoptera parasitic on miner insects. II. Preliminary note on parasites of *Paraleucop-tera sinuella* Reutti. (It) Bologna. U. Ist. di Ent. B. 26:207-216. Ref. 1962/63. 420 B63
- 95296 CHAUVIN, R., and LECOMTE, J. On radioisotope exchanges between daughter colonies of *Formica polycetena*. (Fr) Insectes Sociaux 11 (2):97-104. June 1964. 421 In79  
English summary.
- 95297 DARCHEN, R. Biology of *Vespa orientalis*; the first stages of development. (Fr) Insectes Sociaux 11(2):141-157. June 1964. 421 In79  
English summary.  
Nest-building and behavior.
- 95298 DOERING, H., and MCCORMICK, J. M. An ant is born. New York, 1964. 96 p. (Sterling Nature Series) 426 D672  
Chiefly *Formica rufa*, including life history and habits with numerous photographs.
- 95299 EADY, R. D., and QUINLAN, J. Hymenoptera, Cynipoidea; key to families and subfamilies, and Cynipinae (including galls). In Royal Entomological Society of London. Handbooks for the identification of British insects, vol. VIII, part I(a), 81 p. Ref. London, 1963. 422.4 R81
- 95300 EICHLER, W. Experiments with Pharaoh's ants [*Monomorium pharaonis*]. (Ge) Z. f. Angew. Ent. 52(4):391-401. Oct. 1963. 421 Z36  
English summary.  
Habits and behavior.
- 95301 FISCHER, M. The genus *Austroopius* Szepligeti (Hymenoptera, Braconidae, Opiinae). (Ge) Berlin. Zool. Mus. Miss. 39(1):173-186. 1963. 410.9 B45  
Includes n. sp.



- 95302 FISCHER, M. New *Opius* species from Costa Rica (Hymenoptera: Braconidae). (Ge) Acta Zool. [Budapest] 10(1/2):85-100. 1964. 410 Ac85
- 95303 FISCHER, M. The Oriental and Australian species of the genus *Opius* Wesmael (Hymenoptera, Braconidae). (Ge) Prague. Narod. Mus. Ent. Odd. Sborn. 35:197-242. 1963. 420 P88  
Includes n. spp.
- 95304 FORCE, D. C., and MESSENGER, P. S. Duration of development, generation time, and longevity of three hymenopterous parasites of *Therioaphis maculata*, reared at various constant temperatures. Ent. Soc. Amer. Ann. 57 (4):405-413. Ref. July 1964. 420 En82  
*Praon palitans*, *Trioxys utilis*, and *Aphelinus semiflavus*; host-parasite relations.
- 95305 GRAF, I. Investigations on the physiology of digestion in *Formica polyctena* Foerst. (Hymenoptera, Formicidae). (Ge) Experientia 20 (6):330-331. June 15, 1964. 475 Ex7
- 95306 GRANDI, G. Contribution to the knowledge of the Hymenoptera Aculeata. XXXI. (It) Bologna. U. Ist. di Ent. B. 26:55-102. Ref. 1962/63. 420 B63  
English summary.  
Etho-ecology and morphology.
- 95307 GRANDI, G. Establishment of a new subgenus of *Blastophaga* Grav. (Hymenoptera-Chalcidoidea); 56th contribution to the knowledge of insects of figs. (It) Bologna. U. Ist. di Ent. B. 26:239-240. 1962/63. 420 B63  
*Blastophaga* (*Tristaniella*) n. sgen. from *Ficus crassiuscula*.
- 95308 GRANDI, G. The Hymenopterous insects of the superfamily Chalcidoidea developing within the receptacles of figs; their life-history, symbioses and morphological adaptations. Bologna. U. Ist. di Ent. B. 26:I-XIII. Ref. 1962/63. 420 B63  
Includes discussion of *Philotrypesis caricae* parasitic on *Blastophaga psenes*.
- 95309 GRANDI, G. A new species of *Ceratosolen* Mayr from West Africa (Hymenoptera Chalcidoidea); 55th contribution to the knowledge of insects of figs. (It) Bologna. U. Ist. di Ent. B. 26:231-238. 1962/63. 420 B63  
From *Ficus vallis-choudae*.
- 95310 GRANDI, G. Systematic catalog of the Agaonidae of the world described to date: 6th ed.; 57th contribution to the knowledge of insects of figs (Hymenoptera Chalcidoidea). (It) Bologna. U. Ist. di Ent. B. 26:319-373. 1962/63. 420 B63
- 95311 HAMMER, K. Mutillidae (Insecta: Hymenoptera) from the Indian Museum in Calcutta. (Ge) Indian Mus. Res. 58(1):1-51. Mar. 1960. 410.9 In2R  
Includes n. spp. in *Odontomutilla*, *Mutilla*, *Trogaspidia*, *Smicromyrme*, *Promecilla*, and *Stenomutilla*.
- 95312 HANGARTNER, W., and BERNSTEIN, S. On the odor tracks of *Lasius fuliginosus* between nest and food source. (Ge) Experientia 20(7):392-393. July 15, 1964. 475 Ex7  
English summary.
- 95313 HAZELTINE, W. E., and CHANDLER, L. A preliminary atlas for the identification of female bumble bees (Hymenoptera: Apidae). Kans. Ent. Soc. J. 37(1):77-87. Ref. Jan. 1964. 420 K13  
*Bombus* and *Psithyrus* spp.
- 95314 HELLEN, W. Ichneumonidae reared from *Nematini* (Hym., Tenth.). (Ge) Notulae Ent. 43 (2):74. 1963. 421 N84
- 95315 HELLEN, W. On the knowledge of the Bulgarian *Tenthredinoidea* fauna. (Ge) Notulae Ent. 43 (4):155-157. 1963. 421 N84  
Includes n. sp. in *Tenthredo*.
- 95316 HOED, G. DEN. Contributions to the study of Ichneumonidae (Hym.). V. (Du) Ent. Ber. 24 (4):61-62. Apr. 1, 1964. 420 N38B  
English summary.
- 95317 HOFFER, A. Descriptions of new species of the family Encyrtidae from Czechoslovakia (Hym., Chalcidoidea). I. Prague. Narod. Mus. Ent. Odd. Sborn. 35:549-592. Ref. 1963. 420 P88  
Includes *Eucoccidophagus* n. g., and n. spp. in *Echthroplexiella*, *Syrphophagus*, *Prionomitus*, *Metaprionomitus*, *Ooencyrtus* (*Ooencyrtellus*) n. sgen., *Ooencyrtus* (*Ooencyrtoides*) n. sgen., *Ooencyrtus* (*Tatranus*) n. sgen., and *Homalotylus*.
- 95318 HOLDOBLER, B. Investigations on the behavior of male ants during their imaginal life span. (Ge) Experientia 20(6):329-330. June 15, 1964. 475 Ex7  
Studies of *Camponotus ligniperda* and *C. herculeanus* with radioactive tagging.
- 95319 INVREA, F. Brief note on *Ronisio barbara* (L.) in North Africa (Hymenoptera, Mutillidae). (It) Soc. Ent. Ital. B. 92(5/6):93-94. July 30, 1962. 420 It1
- 95320 INVREA, F. Observations on some Apterogynidi and Mutillidi from Syria and Lebanon with descriptions of new species (Hymenoptera: Apterogynidae et Mutillidae). (It) Soc. Ent. Ital. B. 92(9/10):131-136. Dec. 20, 1962. 420 It1  
Includes n. spp. in *Smicromyrme*.
- 95321 INVREA, F. Raccolta e preparazione dei crididi [Collecting and preparation of the Chrysididae]. Soc. Ent. Ital. Inform. del Giovane Ent. 3(13):13-16. 1962. 420 It1 Suppl.
- 95322 KLINK, G. Wing size and flight activity in *Trichogramma* (Hym. Chalcid.). (Ge) Z. f. Angew. Ent. 53(4):449-454. Apr. 1964. 421 Z36  
English summary.  
*Trichogramma cacoeciae* and *T. semblidis*.
- 95323 KNEITZ, G. Seasonal carrying-behavior of *Formica polyctena* Foerst (Formicidae, gen. *Formica*). (Ge) Insectes Sociaux 11(2):105-129. Ref. June 1964. 421 In79  
English summary.
- 95324 KNERER, G., and ATWOOD, C. E. Metanotal anomalies in sweat bees [Dialictus] (Hymenoptera: Halictidae). Ent. Soc. Wash. Proc. 66(2):111-112. June 1964. 420 W27
- 95325 KROMBEIN, K. V. Miscellaneous prey records of solitary wasps. V. (Hymenoptera: Aculeata). Brooklyn Ent. Soc. B. 58(4):118-120. Oct. 1963. 420 B79
- 95326 KROMBEIN, K. V. Natural history of Plummers Island, Maryland. XVIII. The hibiscus wasp [*Ectemnius paucimaculatus*], an abundant rarity, and its associates (Hymenoptera: Sphecidae). Biol. Soc. Wash. Proc. 77:73-112. Ref. June 26, 1964. 500 W272  
Includes biology, insect parasites, predators and symbionts.
- 95327 LIN, N. Increased parasitic pressure as a major factor in the evolution of social behavior in halictine bees. Insectes Sociaux 11(2):187-192. Ref. June 1964. 421 In79  
*Pseudomethoca frigida* in nests of *Lasioglossum zephyrum*.
- 95328 LIN, N. Observations of suspected density dependent fighting between females of the cidada killer wasp *Sphecius speciosus*. Brooklyn Ent. Soc. B. 58(4):121-123. Oct. 1963. 420 B79
- 95329 LLOYD, D. C. The effect of rearing in an unnatural host on the oviposition response of *Lepitomastix dactylopii* How. (Hymenoptera, Encyrtidae). Commonwealth Inst. Biol. Control. Tech. B. 4:113-120. Ref. Jan. 1964. 423.92 C733T  
On *Planococcus citri* and *Phenacoccus solani*.
- 95330 LOKEN, A. The neotype of *Bombus alpinus* (Linnaeus, 1758). Opusc. Ent. 28(3):187-188. 1963. 421 Op7
- 95331 MACKAUER, M. Notes on the systematics, distribution and host records of *Ephedrus persicae*-complex (Hymenoptera: Aphididae). (Ge) Z. f. Angew. Ent. 52(4):343-354. Ref. Oct. 1963. 421 Z36  
English summary.

- 95332 MADEL, G. Contribution to the morphology and biology of *Meteorus fragilis* Wesm. (Hym. Brac)-endoparasite of *Phalera bucephala* L. (Lep., Notodontidae). (Ge) Z. f. Angew. Ent. 53(1):1-47. Ref. Dec. 1963. 421 Z36  
English summary.
- 95333 MEDLER, J. T. A note on *Auplopus* Spinola in trap-nests in Wisconsin (Hymenoptera: Pompilidae). Ent. News [Philadelphia] 75(7):189-191. July 1964. 421 En88
- 95334 MENKE, A. S. Miscellaneous notes on *Amomphila* (Hymenoptera, Sphecidae). Ent. News [Philadelphia] 75(6):149-155. Ref. June 1964. 421 En88  
Taxonomy.
- 95335 MICHENER, C. D., and ORDDWAY, E. Some anthidine bees from Mexico (Hymenoptera: Megachilidae). N. Y. Ent. Soc. J. 72(2):70-78. June 1964. 420 N48J  
Includes n. spp. in *Aztecantidium* n. g. and *Nanantidium*.
- 95336 MICKEL, C. E. A new genus and species of Mutillidae from California (Hymenoptera: Mutillidae). Pan-Pacific Ent. 40(2):108-110. Apr. 1964. 421 P193  
Includes n. sp. in *Smicromutilla* n. g.
- 95337 MIREK, J. Drugie w polsce stanowisko *Perithous albicinctus* (Gravenhorst) oraz uwagi o innych krajowych gatunkach rodzaju *Perithous* Holmgren (Hymenoptera, Ichneumonidae) [Second find of *Perithous albicinctus* (Gravenhorst) and remarks on other Polish species of the genus *Perithous* Holmgren (Hymenoptera, Ichneumonidae)]. Polska Akad. Nauk. Inst. Zool. Ann. Zool. 16(28):5 p. Ref. July 15, 1963. 410.9 W26F  
German summary.
- 95338 MOORE, K. M. The cypress pine sawfly subspecies *Zenarge turneri turneri* Rohwer and *Zenarge turneri rabus* Moore. N. S. Wales. Forestry Comn. Div. Forest Mangt. Res. Note 13, 10 p., map. Mar. 1963. 99.9 N474  
General biology and host relation to *Callitris* and *Cupressus* spp.
- 95339 MUESEBECK, C. F. W. Identity of the genus *Micoculus* Foerster (Hymenoptera: Braconidae). Ent. Soc. Wash. Proc. 66(2):88. June 1964. 420 W27  
A synonym of *Blacus*.
- 95340 NEUNZIG, H. H. Notes on the biology of the *Eurytoma rhois* complex (Hymenoptera: Eurytomidae). Ent. Soc. Wash. Proc. 66(2):87-88. June 1964. 420 W27  
Reared from *Rhus* seeds.
- 95341 PRIESNER, H. Pompilidae (Hymenoptera) in the collection of the Istituto Entomologia of the Università di Bologna. (Ge) Bologna, U. Ist. di Ent. B. 26:43-54. 1962/63. 420 B63  
Includes n. spp. in *Dicyrtomellus*, *Pompilus*, and *Anospilus*.
- 95342 PROTA, R. Morpho-ethological notes on *Trogus violaceus* (Mocs.) (Hymenoptera, Ichneumonidae) solitary endoparasite of the larvae of *Papilio hospiton* Gene (Lepidoptera, Papilionidae). (It) Bologna, U. Ist. di Ent. B. 26:289-318. Ref. 1962/63. 420 B63  
English summary.  
On *Ferula communis*.
- 95343 ROSENBROOK, W., and O'CONNOR, R. The venom of the mud-dauber wasp. II. *Sceliphron caementarium*: protein content. Canad. J. Biochem. 42(7):1005-1010. Ref. July 1964. 470 C16E
- 95344 SCHAEFFER, P. Origin and functioning of the meristems producing the spreading outgrowths of bedeguars. (Galls of *Rhodites rosae* L. on *Rosa canina* L.) (Fr) Soc. Bot. de France. Mem. 1962:111-112. 451 F84M
- 95345 SCHNETZLER, J. C. The winter growth of the galls of *Neuroterus quercus-baccarum* females (= *N. lenticularis* Ol.) and its stimulation by heteroauxin. (Fr) Marcellia 31(1):1-34. Ref. May 1963. 421 M33
- 95346 SCHWARZ, M. The species of *Nomada* (Hymenoptera Apoidea) in the collection of the Istituto di Entomologia of the Università di Bologna. (Ge) Bologna, U. Ist. di Ent. B. 26:217-229. 420 B63  
Includes n. spp.
- 95347 SCULLEN, H. A. A new subspecies of *Cerceris robertsonii* Fox from the Southeast (Hymenoptera, Sphecidae). Ent. News [Philadelphia] 75(6):144. June 1964. 421 En88
- 95348 SEDIVY, J. The European species of the genera *Laufeia* Tosq., *Polysphincta* Grav., and *Zatypota* Foerst. (Hym., Ichneumonidae). (Ge) Prague. Narod. Mus. Ent. Odd. Sborn. 35:243-261. Ref. 1963. 420 P88
- 95349 SIERPINSKI, Z. *Copidosoma geniculatum* (Dalm.) (Hymenoptera, Chalcidoidea)-parasite of *Exoteleia dodecella* L. (Lepidoptera, Gelechiidae). (Pol) Polskie Pismo Ent. Ser. B, 1/2: 73-78. Ref. 1963. 421 P762  
English summary.
- 95350 STEPKOWSKA-BARANSKA, J. *Oswate* (Vespidae) okolic Warszawy, z uwzględnieniem niektórych ciekawszych gatunków z innych okolic Polski [Vespidae of the environs of Warsaw and some interesting species from other areas of Poland]. Fragmenta Faunistica 10(27):19 p. Ref. June 25, 1963. 410.9 W26F  
German summary.  
Includes description of genitalia.
- 95351 SUAREZ, F. J. A new *Dasylabris* Rad. from the Spanish Sahara (Hymenoptera, Mutillidae). (It) Soc. Ent. Ital. B. 92(9/10):147-151. Dec. 20, 1962. 420 It1  
*Dasylabris garcia-merceti* n. sp. for *D. arenaria atriventris* Giner, 1945.
- 95352 SUN, H. C. The life of *Torymus*. (Ch) Nongye Jishu 11:34-35. Nov. 1963. 22.5 N929
- 95353 THORP, R. W., and CHEMSAK, J. A. Biological observations on *Melissodes* (Eumelissodes) *pallidesignata* (Hymenoptera: Anthophoridae). Pan-Pacific Ent. 40(2):75-83. Ref. Apr. 1964. 421 P193.
- 95354 TKALCU, B. A new bumble-bee species of the genus *Agrobombus* Vogt from the Alps. (Ge) Ceskoslov. Společnost Ent. Casopis 60(3):183-196. Ref. 1963. 420 C33  
From Italy; includes other species collected.
- 95355 TOWNES, H. Mislabelled figures in Seyrig's *Gelinae* of Madagascar (Hymenoptera: Ichneumonidae). Ent. Soc. Wash. Proc. 66(1):18. Mar. 1964. 420 W27  
Errors in A. Selig's *Les Ichneumonides de Madagascar* published in Mem. Acad. Malgache fasc. 19, 213 p. 1952.
- 95356 TOWNES, H. *Sachtlebenia*, a new glyptine ichneumonid (Hymenoptera). Beitr. z. Ent. 13(3/4):523-525. June 1963. 421 B392  
*Sachtlebenia sexmaculata* n. g., n. sp. from China.
- 95357 WALRECHT, B. J. J. R. Contribution to the knowledge of nest-building by Polybioides after introducing it in the nest found in the Rijkslandbouwhogeschool at Ghent. (Fl) Biol. Jaarb. 31: 244-258. 1963. 410 B52
- 95358 WALRECHT, B. J. J. R. Late activity of ants in 1963. (Du) Levende Nat. 66(11):262. Nov. 1963. 410 L57
- 95359 WASBAUER, M. S., and SIMONDS, W. E. A note on the prey and nest structure of *Stigmus inordinatus inordinatus* (Hymenoptera: Sphecidae). Pan-Pacific Ent. 40(2):114-116. Apr. 1964. 421 P193  
*Aphis* sp.
- 95360 WATKINS, J. F. Laboratory experiments on the trail following of army ants of the genus *Neivamyrmex* (Formicidae: Dorylinae). Kans. Ent. Soc. J. 37(1):22-28. Jan. 1964. 420 K13  
Includes *Ididomyrmex analis* and tests with ant extracts.
- 95361 WHEELER, G. C., and WHEELER, J. The ant larvae of the subfamily Cerapachyinae: supplement. Ent. Soc. Wash. Proc. 66(2):65-71. June 1964. 420 W27
- 95362 WHEELER, G. C., and WHEELER, J. The ant larvae of the subfamily Ponerinae: supplement. Ent. Soc. Amer. Ann. 57(4):443-462. Ref. July 1964. 420 En82
- 95363 WOLF, H. Monograph on *Priocnemis* genera (Hym. Pompilidae) of the western Palearctic Region. (Ge) Venice. Mus. Civico di Storia Nat. B. 13:21-181. Ref. 1960, pub. 1963. 410.9 So126  
Includes n. spp.



- 95364 WOLF, H. Pompilidae (Hym. Pompiloidea) from A. Giordani-Soika collection. (Ge) Venice Mus. Civico di Storia Nat. B. 13:7-19. 1960, pub.1963. 410.9 So126  
Includes n. spp. in *Priocnemis* and *Anospilus*.
- 95365 WOLF, H. *Priocnemis hankoi* Moczar 1944 and *Priocnemis trigeminus* Bluthgen 1944 (Hym., Pompilidae). (Ge) Rov. Kozlem. (n.s.)15:441-445. 1962. 420 So12  
In Europe.
- 95366 YOSHIMOTO, C. M. Corrections to Yoshimoto, 1963 "Synopsis of Polynesian Cynipoidea," Pacific Insects 5(2):438. Pacific Insects 5(4): 898. Dec.30,1963. 421 P11  
*Ditanyomeria* n. g.

### Lepidoptera

#### SEE ALSO Sericulture and the Silkworm.

- 95367 AE, S. A. Hybrids between *Papilio memnon* and *P. helenus* and between *P. memnon* and *P. protenor*. J. Res. Lepidoptera 3(1):55-62. Mar.1964. 421 J827  
Obtained by hand-pairing.
- 95368 ALLEN, A. A. Emergence of *Monopis rusticella* Hubn. in early January. Ent. Rec. & J. Variation 76(3):87. Mar.1964. 421 En89
- 95369 ANDREN, H. *Chazara briseis* L., a butterfly new to Sweden found in Skane. (Sw) Opusc. Ent. 28(3):223-224. 1963. 421 Op7
- 95370 ASTON, A. Two moths new to Suffolk. Suffolk Nat. Soc. Trans. 12(5):350-351. Jan.1,1964. 410.9 Su2  
*Peronea schalleriana* and *Argyresthia laevigatella*.
- 95371 BECK, S. D., CLOUTIER, E. J., and MCLEOD, D. G. R. Photoperiod and insect development. Biol. Colloquium. [Proc.], 23rd Annu. Colloquium:43-64. Ref. 1962, pub.1963. 442.9 B524  
Diapause and circadian rhythm in *Ostrinia nubilalis*.
- 95372 BELLINGER, P. F. Recent literature on Lepidoptera. F. Biology and immature stages. Lepidopterists' Soc. J. 17(4):246-253. Feb.21,1964. 421 L554  
Ulyett, G. C.—Yamafuji, K.
- 95373 BERIO, E. Diagnosis of some species of African Noctuidae. (It) Soc. Ent. Ital. B. 92(7/8): 122-126. Oct.25,1962. 420 It1  
Includes n. spp. in *Scotia* and *Timora*.
- 95374 BERNARDI, G. Note on the correct systematic position of *Lycaena pontica* Courvoisier (Lep. Lycaenidae). (Fr) Rev. Franc. d'Ent. 29(3): 238-240. 1962. 421 R323
- 95375 BERNARDI, G. Rhopalocercous Lepidoptera collected by J. Mateu in the Ennedi region and in Chad. (Fr) Inst. Franc. d'Afrique Noire. B. Ser. A, Sci. Nat. 26(2):648-658. Apr.1964. 515 D14
- 95376 BLANCHARD, A. Contribution to the life history of *Schoenobius maximellus* (Pyralididae). Lepidopterists' Soc. J. 17(4):234-236. Feb.21, 1964. 421 L554  
On *Zizaniopsis miliacea* in Texas.
- 95377 BOGAARD, G. M. *Cirrhia icteritia* Hufnagel, f. *nigricirris* nov. (Lep., Noctuidae). Ent. Ber. 24(6):115. June 1,1964. 420 N38B  
Text in Dutch.  
English summary.
- 95378 BOGAARD, G. M. A successful rearing of *Hydraecia petasitis* Doubleday (Lep., Noctuidae). (Du) Ent. Ber. 24(3):42-44. Mar.1,1964. 420 N38B  
English summary.
- 95379 BOOT, J. P. C. Notes on butterflies of Schouwen. (Du) Levende Nat. 66(5):117-119. May 1963. 410 L57
- 95380 BOURSIN, C. A new *Mythimna* O. from the region of the Persian Gulf; 139th contribution to the study of the Noctuidae-Trifinae. (Fr) Arkiv f. Zool. 16(2):165-167. 1963. 410.9 Sv22  
*Mythimna brandti* n. sp. from Karachi and the Bahrain Islands.
- 95381 BROWN, E. S. The African army worm *Spodoptera exempta* (Walker) (Lepidoptera, Noctuidae): a review of the literature. London, 1962. 69 p. Ref.,p.40-57. 430 C733
- 95382 BUCKETT, J. S. Collecting of *Annaphila spila* with notes on the "crimson-winged" group of the genus. J. Res. Lepidoptera 2(4):303-304. Dec.1963. 421 J827  
Includes *Annaphila superba* and *A. evansi*.
- 95383 BUCKETT, J. S. Identity of the moth, *Euxoa wilsoni* (Lepidoptera: Noctuidae). Pan-Pacific Ent. 40(2):104-107. Apr.1964. 421 P193
- 95384 BUCKETT, J. S. Rediscovery and redescription of the moth, *Euxoa marinensis* (Lepidoptera: Noctuidae). Pan-Pacific Ent. 40(2):101-104. Apr.1964. 421 P193  
California.
- 95385 CANTLIE, K. Butterflies: Hesperidae: *Polytremis minuta* Evans. Bombay Nat. Hist. Soc. J. 60(3):747. Dec.1963. 513 B63
- 95386 CARY, M. M. Reports on the Margaret M. Cary and Carnegie Museum Expedition to Baja California, Mexico, 1961. 2. The family Sphingidae (Lepidoptera). Pittsburgh. Carnegie Mus. Ann. 17:193-204. 1963. 500 P68A  
Includes n. sp. in *Sphinx*.
- 95387 CHANG, V. C. S. Quantitative analysis of certain wing and genitalia characters of *Pieris* in Western North America. J. Res. Lepidoptera 2(2):97-125, map. Ref. Sept.1963. 421 J827
- 95388 CHU, H. F. On morphological characters of the eggs of noctuids, with consideration of their applications in taxonomic work. (Ch) Acta Zool. Sinica 15(2/4):179-184. Ref. June/Dec.1963. 410 Ac87  
English summary.
- 95389 CLARK, G. C., and DICKSON, C. G. C. The life-history of *Libythea labdacca laius* Trimen (Lepidoptera: Libytheidae). Ent. Soc. South. Africa. J. 26(2):290-292. Jan.31,1964. 420 En86
- 95390 CLARK, G. N., and ENNS, W. R. Life history studies of the grape root borer [Vitacea polistiformis] (Lepidoptera: Aegeriidae) in Missouri. Kans. Ent. Soc. J. 37(1):56-63. Jan. 1964. 420 K13
- 95391 CLARKE, J. F. G. Neotropical Microlepidoptera. III. Restriction of *Gonionota melobaphes* Walsingham with descriptions of new species (Lepidoptera: Oecophoridae). U. S. Natl. Mus. Proc. 115(3480):61-83. 1964. 500 Sm65P
- 95392 CLENCH, H. K. *Callophrys* (Lycaenidae) from the Pacific Northwest. J. Res. Lepidoptera 2 (2):151-160, map. Sept.1963. 421 J827
- 95393 CLENCH, H. K. A synopsis of the West Indian Lycaenidae, with remarks on their zoogeography. J. Res. Lepidoptera 2(4):247-270, map. Ref. Dec.1963. 421 J827  
Includes *Nesiostrymon* n. g., *Heterosmaitia* n. g., and *Allosmaitia* n. g.
- 95394 COLLIER, A. E. Cranleigh butterflies, 1963. Ent. Rec. & J. Variation 76(3):72-74. Mar. 1964. 421 En89  
Populations.
- 95395 COMSTOCK, J. A. Notes on the early stages of *Drepanulatrix monicaria* (Guenee) (Geometridae). J. Res. Lepidoptera 2(3):201-203. Nov. 1963. 421 J827
- 95396 COMSTOCK, W. P., and HUNTINGTON, E. I. An annotated list of the Lycaenidae (Lepidoptera: Rhopalocera) of the Western Hemisphere. N. Y. Ent. Soc. J. 72(2):120-130. (Cont.) June 1964. 420 N48J
- 95397 CONDAMIN, M., and FOX, R. M. The complex of *Bicyclus dorothea* (Lepidoptera Satyridae). (Fr) Inst. Franc. d'Afrique Noire. B. Ser. A, Sci. Nat. 26(2):624-631, map. Ref. Apr.1964. 515 D14  
In Africa.  
Includes n. sp. in *Bicyclus*.
- 95398 CRAWFORD, C. S. Decapitation-initiated oviposition in crambid moths. J. Res. Lepidoptera 3(1):5-7. Mar.1964. 421 J827  
*Crambus bonifatellus* and *Euchromius californialis*.

- 95399 CROWE, C. R. More Oregon records of *Satyrus behrii*. *Lepidopterists' Soc. J.* 17(4):245. Feb.21,1964. 421 L554
- 95400 DEURS, W. VAN. New butterflies (Lepidoptera) 1962. (Da) *Ent. Meddel.* 32(2):177-178. 1963. 421 En82
- 95401 DE WORMS, B. A review of the prevalence of British Lepidoptera in 1962. *Suffolk Nat. Soc. Trans.* 12(4):248-250. 1963. 410.9 Su2
- 95402 DE WORMS, BARON, CHIPPERFIELD, H. E., and ASTON, A. *Suffolk Lepidoptera*, 1963. *Suffolk Nat. Soc. Trans.* 12(5):366-377. Jan.1, 1964. 410.9 Su2  
Collecting.
- 95403 DE WORMS, C. G. M. *Vanessa io* L. in early February. *Ent. Rec. & J. Variation* 76(3):74. Mar.1964. 421 En89  
Great Britain.
- 95404 DIAKONOFF, A. Types of Microlepidoptera described by Edward Meyrick in the collection of Cornell University. *Ent. Soc. Wash. Proc.* 66(1):33-37. Mar.1964. 420 W27
- 95405 DOUWES, P. *Nycteola (Sarrothripus) asiatica* Krul. (Lep. Noctuidae) found in Sweden. (Sw) *Opusc. Ent.* 28(3):227-228. 1963. 421 Op7  
English summary.
- 95406 DROOZ, A. T. Elm spanworm [*Ennomos subsignarius*] head-capsule measurements. *U. S. Forest Serv. Res. Note* SE-12,1 p. Sept.1963. A99.9 F7623Un
- 95407 DURAND, R. Variation in size of *Anthocharis cardamines* L. from the date of hatching. (Fr) *Lambillionea* 62(7/10):43-53. Oct.25,1962. 420 N15
- 95408 EHIK, GY. Lepidopterological observations in Buda. (Hu) *Rov. Kozlem.* (n.s.)15:287-301. 1962. 420 So12
- 95409 EISNER, C. *Lycaenopsis argiolus* L., f. *griseus* (f. nova) (Lep., Lycaenidae). *Ent. Ber.* 24(6):115. June 1,1964. 420 N38B  
Text in German.
- 95410 ELFFERICH, N. W. Larvae of blues [Lycaenidae] and ants. (Du) *Levende Nat.* 66(7):145-155. July 1963. 410 L57
- 95411 ELFFERICH, N. W. The white-marked tussock moth [*Orgyia antiqua*]. (Du) *Levende Nat.* 66(11):263. Nov.1963. 410 L57
- 95412 EMMEL, J. F., and EMMEL, T. C. Field observations on the rare argynnid, *Speyeria egleis tehachapina*. *Lepidopterists' Soc. J.* 17(4):243-244. Feb.21,1964. 421 L554  
California.
- 95413 EMMEL, T. C. New gynandromorph of *Colias philodice* from Colorado. *J. Res. Lepidoptera* 3(1):63-64. Mar.1964. 421 J827
- 95414 EYER, J. R. A pictorial key to the North American moths of the family Opostegidae. *Lepidopterists' Soc. J.* 17(4):237-242. Feb.21,1964. 421 L554
- 95415 FEARNEHOUGH, T. D. Lepidoptera in the Isle of Wight, 1963. *Ent. Rec. & J. Variation* 76(3):68-72. Mar.1964. 421 En89  
Collecting.
- 95416 FOX, R. M. Attinues and distribution of Antillean Ithomiidae. *J. Res. Lepidoptera* 2(3):173-184, map. Ref. Nov.1963. 421 J827
- 95417 FOX, R. M. The genus *Phalanta* (Lepidoptera Nymphalidae). *Inst. Franc. d'Afrique Noire.* B. Ser. A, Sci. Nat. 26(2):632-639. Ref. Apr. 1964. 515 D14  
Found in Africa and Asia.
- 95418 FOX, R. M. New African butterflies. *Pittsburgh. Carnegie Mus. Ann.* 19:213-224. Ref. 1963. 500 P68A  
Includes n. sp. in *Bicyclus*.
- 95419 FRANCLEMONT, J. G. Notes and two new genera (Lepidoptera: Noctuidae). *Ent. Soc. Wash. Proc.* 66(2):71-73. June 1964. 420 W27  
Includes *Iodopepla* n. g. and *Allagrapha* n. g.
- 95420 FREEMAN, H. A. The effects of pH on the distribution of the Megathymidae. *J. Res. Lepidoptera* 3(1):1-4. Mar.1964. 421 J827  
Hydrogen-ion concentration of the soil.
- 95421 FREEMAN, H. A. Type localities of the Megathymidae. *J. Res. Lepidoptera* 2(2):137-141. Sept.1963. 421 J827
- 95422 GARDINER, B. O. C. Genetic and environmental variation in *Pieris brassicae*. *J. Res. Lepidoptera* 2(2):127-136. Ref. Sept.1963. 421 J827
- 95423 GEORGE, W. S. Wessex wings. *Suffolk Nat. Soc. Trans.* 12(5):359-361. Jan.1,1964. 410.9 Su2  
Lepidoptera.
- 95424 GILLET, N. My rearings at Tilff. (Fr) *Lambillionea* 62(11/12):62-70. Dec.25,1962. 420 N15  
*Dendrolimus pini*, *Catocala fraxini*, and *Saturnia pyri*.
- 95425 GILLET, N. On some buried cocoons of *Eudia pavoni* L. (Fr) *Lambillionea* 62(7/10):42-43. Oct.25,1962. 420 N15
- 95426 GOHLA, K. B. *Parnassius apollo* in German literature and in reality (Lepidoptera: Papilionidae). *N. Y. Ent. Soc. J.* 72(2):102-111. June 1964. 420 N48J
- 95427 GOZMANY, L. A. The symmocid species of the [A.] Caradja collection (Lepidoptera). Budapest. *Magyar Nemzeti Muz. Evkon.* 55:447-456. Ref. 1963. 410.9 B85E  
Includes *Symmoca sezam* n. sp.
- 95428 GRANT, J. The eversible glands of *Papilio multicaudatus* Khy. *Ent. Soc. Brit. Columbia. Proc.* 60:52. 1963. 420 B77  
Larvae.
- 95429 HACKMAN, W. The Finnish species of *Sorhagenia* (Lepid., Momphidae). (Ge) *Notulae Ent.* 43(2):45-49, map. 1963. 421 N84
- 95430 HAGGETT, G. M. Larvae of the British Lepidoptera not figured by Buckler. VII. *So. London Ent. & Nat. Hist. Soc. Proc. & Trans.* 1962:191-198. Oct.1963. 420 So8  
*Leucania* and *Euplagia*.
- 95431 HANNEMANN, H. J. Kleinschmetterlinge oder Microlepidoptera. II. Die Wickler (s. l.) (Cochylidae und Carposinidae); die Zünslerartigen (Pyraloidea) [Small butterflies or Microlepidoptera. II. The leaf rollers (s. l.) (Cochylidae and Carposinidae); The pyralid like (Pyraloidea)]. Jena, Fischer, 1963. 401 p. Ref. (Dahl, F. Die Tierwelt Deutschlands und der angrenzenden Meeressteile nach ihren Merkmalen und nach ihrer Lebensweise, pt. 50). 411 D132  
Includes *Postsalebria* n. g. and *Pyrausta* (*Parasitochroa*) n. sgen.
- 95432 HARBISON, C. F. A second new species of megathymid from Baja California, Mexico (Lepidoptera: Megathymidae). *San Diego Soc. Nat. Hist. Trans.* 13(4):61-71. June 30,1963. 410.9 Sa54T  
*Agathymus dawsoni* n. sp.
- 95433 HARDY, G. A. Notes on the life histories of four moths and one butterfly from Vancouver Island (Lepidoptera: Phalaenidae, Lasiocampidae and Lycaenidae). *Ent. Soc. Brit. Columbia. Proc.* 60:35-40. 1963. 420 B77
- 95434 HEITZMAN, J. R. The complete life history of *Staphylus hayhursti*. *J. Res. Lepidoptera* 2(2):170-172. Sept.1963. 421 J827
- 95435 HERBULOT, C. Geometridae (Lepidoptera) from Marra Mountains. (Fr) *Lambillionea* 62(7/10):58-60. Oct.25,1962. 420 N15
- 95436 HERBULOT, C. The names of genera of Geometridae used by Hubner in his Systematisch-alphabetisches Verzeichniss. (Fr) *Lambillionea* 62(7/10):53-57. Oct.25,1962. 420 N15
- 95437 HERBULOT, C. New Geometridae from Aldabra. (Fr) *Rev. Franc. d'Ent.* 29(3):235-237. 1962. 421 R323  
Includes n. spp. in *Chloroclystis*, *Problepsis*, and *Colocleora*.
- 95438 HIRATA, S. On the phase variation of the cabbage armyworm, *Mamestra* (*Barathra*) *brassicae* (L.). VII. Effect of larval crowding on food consumption and body weight. (Ja) *Jap. J. Ecol.* 13(4):125-128. Ref. Aug.1963. 410 J272  
English summary.
- 95439 HO, C. L. On the anatomy of the reproductive system of the armyworm, *Pseudaletia separata* (Walker) (Lepidoptera: Noctuidae). (Ch) *Acta Ent. Sinica* 12(3/4):282-291. July/Sept.1963. 421 K96  
English summary.



- 95440 HODGES, R. W. A review of the North American moths of the family Walshidae (Lepidoptera: Gelechioidea). U. S. Natl. Mus. Proc. 115 (3485):289-329. Ref. 1964. 500 Sm65P  
Includes *Obithome* n. g. and n. spp. in *Nepotula* n. g., *Synplocia* n. g., *Neoplocia* n. g., *Aeaea*, *Stilbosis*, and *Sorhagenia*.
- 95441 HOUEY, P. Trapping with light in Torgny. (Fr) *Lambillionea* 62(7/10):57-58. Oct.25, 1962. 420 N15  
Lepidoptera.
- 95442 HOVANITZ, W., and CHANG, V. C. S. Comparison of the selective effect of two mustard oils and their glucosides to *Pieris* [rapae] larvae. *J. Res. Lepidoptera* 2(4):281-288. Dec.1963. 421 J827  
Isothiocyanates as attractants in relationship to food plant selection.
- 95443 HOVANITZ, W. The origin of a sympatric species in *Colias* through the aid of natural hybridization. *J. Res. Lepidoptera* 2(3):205-223, map. (Cont.) Nov.1963. 421 J827
- 95444 HOVANITZ, W. The origin of a sympatric species in *Colias* through the aid of natural hybridization. *J. Res. Lepidoptera* 3(1):37-44. (Cont.) Mar.1964. 421 J827
- 95445 HOVANITZ, W., and CHANG, V. C. S. Ovipositional preference tests with *Pieris*. *J. Res. Lepidoptera* 2(3):185-200. Nov.1963. 421 J827
- 95446 IGNOFFO, C. M. Bioassay technique and pathogenicity of a nuclear-polyhedrosis virus of the cabbage looper, *Trichoplusia ni* (Hubner). *J. Insect Path.* 6(2):237-245. June 1964. 421 J826
- 95447 IL'INSKAYA, N. B. The effect of hypertonic and hypotonic solutions of NaCl on muscle tissue of the caterpillar *Dendrolimus pini* during diapause and development. (Rus) *Akad. Nauk SSSR. Inst. Tsitologii. Sborn. Rabot.* 4:80-96. Ref. 1963. 442.9 Ak11  
English summary.
- 95448 IRVIN, A. D. Salad days. *Ent. Rec. & J. Variation* 76(3):83-86. Mar.1964. 421 En89  
Collecting Lepidoptera.
- 95449 JANMOULLE, E. New species for the Belgian fauna; *Ancylis inornatana* H.S. (Tortricidae). (Fr) *Lambillionea* 62(7/10):41. (Cont.) Oct.25, 1962. 420 N15
- 95450 JAKES, R. P. The persistence of a nuclear-polyhedrosis virus in soil. *J. Insect Path.* 6(2):251-254. June 1964. 421 J826  
Of *Trichoplusia ni*.
- 95451 JARVIS, F. V. L. The genetic relationship between *Aricia agestis* (Schiff.) and its ssp. *artaxerxes* (F.). *So. London Ent. & Nat. Hist. Soc. Proc. & Trans.* 1962:106-122. Oct.1963. 420 So8
- 95452 JENSEN, H. K. *Niditinea piercella* Benthinck, a moth new to Danish fauna. (Da) *Flora og Fauna* 70(1):26-27. Mar.1964. 410 F662
- 95453 JOBIN, L. J. Preliminary study of the biology of the potato stem borer *Hydroecia micacea* Esp. (Lepidoptera: Noctuidae). (Fr) *Ent. Soc. Quebec. Ann.* 8:111-120, map. 1963. 420 En822
- 95454 JUUL, K. *Lemonia dumi* L. (Lepidoptera, Lemoniidae); emergence of larvae. (Da) *Flora og Fauna* 70(1):15-16. Mar.1964. 410 F662
- 95455 KAPUR, A. P. On the genus *Cteipolia* Staudinger (Lepidoptera, Noctuidae), with description of a new species from Nepal. *Indian Mus. Rec.* 58(2):115-120. June 1960. 410.9 In2R
- 95456 KLEINHOUT, J. Defensive behavior of *Atolmis rubricollis*. (Du) *Levende Nat.* 66(8):192. Aug. 1963. 410 L57
- 95457 KLEINHOUT, J. On the avoiding of callus by caterpillars [*Bupalus piniarius*]. *Vie et Milieu* 14(4):888-889. 1963. 442.8 V67  
Feeding on needles of *Pinus sylvestris*.
- 95458 KLEINHOUT, J. Thera caterpillars and their attackers. (Du) *Levende Nat.* 66(10):238-239. Oct.1963. 410 L57  
Parasitized by *Microgaster calceata*, a braconid.
- 95459 KOSTROWICKI, A. S. Studien über die Familie Phalaenidae s. l. (Lepidoptera). I. Beschreibungen von zwei neuen Arten, samt Angaben über Morphologie und Verbreitung von einigen weiteren Arten der Familie Phalaenidae [Studies on the family Phalaenidae s. l. (Lepidoptera). I. Descriptions of two new species and new data on morphology and distribution of other species of Phalaenidae]. *Polska Akad. Nauk. Inst. Zool. Ann. Zool.* 21(4):8 p. Ref. May 20, 1963. 410.9 W26  
Includes n. spp. in *Cucullia* and *Tholera*.
- 95460 KUUSIK, A. The migration of butterflies. (Es) *Eesti Loodus* 1:17-22. Ref. Jan./Feb.1963. 409.6 Ee7
- 95461 LANDIN, J. A remarkable colour aberration of *Procris statice* L. found in Scania, Sweden. *Opusc. Ent.* 28(3):225-226. 1963. 421 Op7
- 95462 LANGSTON, R. L. Philotes of central coastal California (Lycaenidae). *Lepidopterists' Soc. J.* 17(4):201-223, map. Ref. Feb.21, 1964. 421 L554  
Includes food and host plants.
- 95463 LEFFEF, W. J. B. Lepidopterological notes. (Du) *Ent. Ber.* 24(4):63-65. Apr.1, 1964. 420 N38B  
English summary.  
*Panthea coenobita* Esp., *Deileptenia ribeata* Clerck, and *Microlepidoptera*.
- 95464 LEFFEF, W. J. B. Survey of captures of Macrolepidoptera during the 1962 season. (Du) *Ent. Ber.* 24(6):101-103. June 1, 1964. 420 N38B  
English summary.
- 95465 LESSE, H. DE. Chromosomal variation in *Agrodiaetus actis* H. S. and *A. altivagans* Forst (Lep. Lycaenidae). (Fr) *Rev. Franc. d'Ent.* 29 (1):66-77, map. 1962. 421 R323
- 95466 LI, C. L. Results of an entomological expedition to Tibet, in 1960-61 (Lepidoptera, Rhopalocera). (Ch) *Acta Zool. Sinica* 15(4/5):453-456. June/Dec.1963. 410 Ac87  
English summary.
- 95467 LI, P. C., WU, W. C., and HUANG, K. H. A preliminary study on the effect of photoperiod and temperature on the induction of diapause in the peach fruit borer (*Carposina niponensis* Walsingham). (Ch) *Acta Ent. Sinica* 12(3/4):423-431. July/Sept.1963. 421 K96  
English summary.
- 95468 LIN, C. S., and others. Studies on the regularity of the outbreak of the oriental armyworm, *Leucania separata* Walker. I. The early spring migration of the oriental armyworm moths and its relation to winds. (Ch) *Acta Ent. Sinica* 12 (3/4):243-261. Ref. July/Sept.1963. 421 K96  
C. J. Sun, R. L. Chen, and J. T. P. Chang, joint authors.  
English summary.
- 95469 LIOTTA, G., and MINEO, G. New biological data on citrus moth [Prays citri]. (It) *Inform. Fitopatol.* 13(17):389-392. Sept.15, 1963. 464.8 In3
- 95470 LIPSCOMB, C. G., and JACKSON, R. A. Some considerations on some present day conditions as they affect the continued existence of certain butterflies. *Ent. Rec. & J. Variation* 76 (3):63-68. Mar.1964. 421 En89  
Ecology.
- 95471 LIU, Y. S., and LU, P. L. The structure and development of the gustatory sensilla in the proboscis of the adult armyworm, *Leucania separata*. (Ch) *Acta Zool. Sinica* 15(2/4):357-362. June/Dec.1963. 410 Ac87  
English summary.
- 95472 LOZINA-LOZINSKII, L. K. The influence of extremely low temperatures on insects. (Rus) *Akad. Nauk SSSR. Inst. Tsitologii. Sborn. Rabot.* 4:34-53. Ref. 1963. 442.9 Ak11  
English summary.  
*Pyrausta nubilalis*.

- 95473 LU, Y. C. A general survey of the geographical distribution of *Dendrolimus Germar* in the eastern portion of China. (Ch) *Acta Ent. Sinica* 12 (3/4):345-353, map. July/Sept. 1963. 421 K96  
English summary.  
Includes host plants *Larix olgensis koreana* and *Pinus massoniana*.
- 95474 MAASSEN, A. W. P. The butterflies of Montfort. (Du) *Nathist. Genootsch. Limburg. Nathist. Maandbl.* 52(9):125-128. Sept. 26, 1963. 409.6 N2123N  
English summary.  
Macrolepidoptera.
- 95475 MAASSEN, A. W. P. *Catephia alchymista* Schiff. in 1963 (Lep., Noct.). *Ent. Ber.* 24(5): 86. May 1, 1964. 420 N38B  
Text in Dutch.
- 95476 MAASSEN, A. W. P. Macrolepidoptera in central Limburg Province in 1962. (Du) *Nathist. Genootsch. Limburg. Nathist. Maandbl.* 52(1): 11-12. Jan. 30, 1963. 409.6 N2123N  
English summary.  
Netherlands.
- 95477 MAASSEN, A. W. P. *Selenia lunaria* Schiff. (Lep., Geometridae). *Ent. Ber.* 24(5):86. May 1, 1964. 420 N38B  
Text in Dutch.
- 95478 MAASSEN, A. W. P. Some late captures in 1963 (Lep.). (Du) *Ent. Ber.* 24(4):76. Apr. 1, 1964. 420 N38B
- 95479 MCGUFFIN, W. C. The immature stages of the Canadian species of *Pero Herrich-Schaeffer* (Lepidoptera: Geometridae). *Canad. Ent.* 95 (11):1159-1167. Ref. Nov. 1963. 421 C16
- 95480 MCHENRY, P. B. Generic or subgeneric names closely related to *Argynnis*. *J. Res. Lepidoptera* 2(3):229-239. Nov. 1963. 421 J827
- 95481 MACKAY, M. R. Evolution and adaptation of larval characters in the Tortricidae. *Canad. Ent.* 95(12):1321-1344. Ref. Dec. 1963. 421 C16
- 95482 MATHER, B. *Euphyes dukesii*; a review of knowledge of its distribution in time and space and its habitat. *J. Res. Lepidoptera* 2(2):161-169, map. Ref. Sept. 1963. 421 J827
- 95483 MATHER, B. The southern limits of the range of *Pieris napi* and *P. virginensis*. *J. Res. Lepidoptera* 3(1):45-48. Ref. Mar. 1964. 421 J827
- 95484 MILLER, L. D. African *Hesperiidae*: notes and descriptions (Lepidoptera). *Inst. Franc. d'Afrique Noire. B. Ser. A, Sci. Nat.* 26(2):640-647. Apr. 1964. 515 D14  
Includes n. spp. in *Celaenorrhinus*, *Gorgyra*, and *Ceratrachia*.
- 95485 MILLER, W. E. The shortleaf pitch-blister moth, *Petrova houseri* Miller. *Ohio J. Sci.* 63 (6):297-301, map. Nov. 1963. 410 Oh3  
Life cycle and feeding habits on *Pinus echinata*.
- 95486 MORRIS, R. F. Synonymy and color variation in the fall webworm, *Hyphantria cunea* Drury (Lepidoptera: Arctiidae). *Canad. Ent.* 95(11): 1217-1223. Nov. 1963. 421 C16
- 95487 MOUCHA, J. Lepidoptera from the south Chinese province of Kwan-Tun, collected by Dr. I. Hrdy (1959-60) (Lepidoptera, Rhopalocera). (Ge) *Prague. Narod. Mus. Ent. Odd. Sborn.* 35: 63-71. 1963. 420 P88
- 95488 NEWCOMER, E. J. Life histories of *Papilio indra* and *P. oregonius*. *J. Res. Lepidoptera* 3 (1):49-54. Mar. 1964. 421 J827
- 95489 NEWCOMER, E. J. The synonymy, variability and biology of *Lycaena nivalis*. *J. Res. Lepidoptera* 2(4):271-280. Ref. Dec. 1963. 421 J827
- 95490 NORDSTROM, F. A night flying insect new to Sweden, *Atypha pulmonaris* Esp. (Sw) *Opusc. Ent.* 28(3):169. 1963. 421 Op7  
Lepidoptera.
- 95491 NORMAN, T. A naturalist in Borneo. *Bombay Nat. Hist. Soc. J.* 60(3):507-515. Dec. 1963. 515 B63  
Observations on butterflies and plants.
- 95492 PAGES, J., and ALMANZOR, J. Biological particulars of a microlepidopteron (Tineoidea) leaf miner of *Platanus*: *Lithocolletis platani* Stgr. (Fr) *Acad. des Sci. Compt. Rend.* 258(25):6219-6221. June 22, 1964. 505 P21
- 95493 PASCHKE, J. D. Disposable containers for rearing loopers [*Trichoplusia ni*]. *J. Insect Path.* 6(2):248-251. June 1964. 421 J826
- 95494 PAYNE, J. H. *Euphydryas aurinia* larvae in second winter. *Ent. Rec. & J. Variation* 76(3): 88. Mar. 1964. 421 En89
- 95495 PEASE, R. W. Chromosome numbers in geographic populations of the *Utetheisa ornatrix* (Arctiidae) complex and certain hybrids. *Lepidopterists' Soc. J.* 17(4):231-233. Feb. 21, 1964. 421 L554
- 95496 PETERSON, A. Egg types among moths of the Noctuidae (Lepidoptera). *Fla. Ent.* 47(2):71-91. June 1964. 420 F662
- 95497 PEZIE, H. *Araschnia levana* L. (Lep., Nymphalidae). *Ent. Ber.* 24(5):99. May 1, 1964. 420 N38B  
Text in Dutch.
- 95498 PIEPHO, H., HOLZ, I., and JUNG, U. Hormonal rejuvenation of the midgut. (Ge) *Naturwissenschaften* 51(10):250. May 15, 1964. 474 N213  
*Galleria mellonella* as affected by corpora allata.
- 95499 POL, P. H. VAN DE. An entomosociological study of Macrolepidoptera in the Betuwe (fluviatile district). (Du) *Ent. Ber.* 24(5):87-96. Ref. May 1, 1964. 420 N38B  
English summary.  
Surveys.
- 95500 POWELL, J. A. Mating behavior of *Incisalia iroides* (Boisduval) (Lepidoptera: Lycaenidae). *Pan-Pacific Ent.* 40(2):100. Apr. 1964. 421 P193  
California.
- 95501 POWELL, J. A. A review of *Griselda*, with descriptions of a related new genus and two species (Lepidoptera: Tortricidae). *Pan-Pacific Ent.* 40(2):85-97. Ref. Apr. 1964. 421 P193  
New spp. in *Chimoptesis* n. g. from the Nearctic Region.
- 95502 PREISS, K. Observations on the large brown house moth [*Dasypodia selenophora*]. *So. Austral. Nat.* 38(2):39. Dec. 1963. 410 So82  
Habits.
- 95503 PRZYBYLSKI, Z. Observations on the development of small ermine moth (*Hyponomeuta malinella* Zell.) in environs of Wroclaw in the years 1955-1956, and in environs of Rzeszow in the years 1960 and 1962. (Pol) *Polskie Pismo Ent. Ser. B*, 1/2:63-71. 1963. 421 P762  
English summary.  
Pest of apples.
- 95504 PSCHORN-WALCHER, H. On the parasites of some injurious Lepidoptera from northern Japan. *Commonwealth Inst. Biol. Control. Tech. B.* 4:24-37. Ref. Jan. 1964. 423.92 C733T  
Forest, orchard, and field crop insects.
- 95505 RAO, V. P. Record of three insect pathogens from the Far East. *Commonwealth Inst. Biol. Control. Tech. B.* 4:63-64. Jan. 1964. 423.92 C733T  
*Cordyceps* sp., fungi pathogenic on *Tryporysa* (*Schoenobius*) *incertulas*; *Beauveria bassiana* on *Chilo suppressalis*; and polyhydrosis virus infection on *Prodenia* larvae (Lepidoptera).
- 95506 RAWSON, G. W., and DAVIDSON, W. M. An annotated list of Lepidoptera observed or collected in 1959-1960 on the Dry Tortugas Islands. *Lepidopterists' Soc. J.* 17(4):225-227. Feb. 21, 1964. 421 L554  
Includes food and host plants.
- 95507 RINDGE, F. H. A revision of the genera *Anavinemina* and *Vinemina* (Lepidoptera, Geometridae). *Amer. Mus. Novitates* 2172, 40 p., map. Ref. Apr. 14, 1964. 500 N483N  
Includes n. spp. in *Anavinemina* n. g. and *Vinemina*.



- 95508 RINDGE, F. H. A revision of the genera Mel-anolophia, Pherotesia, and Melanotesia (Lepidoptera, Geometridae). Amer. Mus. Nat. Hist. B. 126(3):243-434, map. Ref. 1964. 500 N483B  
Includes Melanotesia n. g. and n. spp. in Mel-anolophia and Pherotesia.
- 95509 RIVNAY, E. A contribution to the biology and phenology of *Agrotis ypsilon* Rottin Israel. Z. f. Angew. Ent. 53(3):295-309, map. Feb. 1964. 421 Z36
- 95510 ROBINSON, A. G. The H. A. Gibbon collection of Lepidoptera. Canada. Dept. Agr. Res. Br. Ent. Newslet. 41(12):8. Dec. 2, 1963. 423.92 C16  
Donated to University of Manitoba Department of Entomology.
- 95511 ROSS, G. N. Evidence for lack of territoriality in two species of *Hamadryas* (Nymphalidae). J. Res. Lepidoptera 2(4):241-246. Ref. Dec. 1963. 421 J827  
*Hamadryas februa* gudula and *H. guatamalena* guatamalena.
- 95512 ROSS, G. N. Life history studies on Mexican butterflies. I. Notes on the early stages of four papilionids from Catemaco, Veracruz. J. Res. Lepidoptera 3(1):9-17. Ref. Mar. 1964. 421 J827
- 95513 ROUGEOT, P. C. On some lepidopterous At-tacidae from the Ivory Coast. (Fr) Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 35(4):357-360. 1963. 410.9 P213
- 95514 SALA, F. P. The *Annaphila astrologa* complex with descriptions of three new species. J. Res. Lepidoptera 2(4):289-301. Dec. 1963. 421 J827
- 95515 SARLET, L. Attempt at a synoptic table for determination of eggs of families of diurnal Lepidoptera, Rhopalocera and Hesperidae; Belgian fauna only. (Fr) Lambillionia 62 (11/12):70-71. Dec. 25, 1962. 420 N15
- 95516 SATTLER, K. On the justification of two Thun-berg names of Microlepidoptera. (Ge) Opusc. Ent. 28(3):170. 1963. 421 Op7  
*Tinea atrella* Thunberg 1794 is preoccupied by *T. atrella* Denis & Schiffermuller 1775 and must be called *Scrobipalpa atriplicella*; *Tinea marginella* is preoccupied and must be called *Dichomeris marginellus*.
- 95517 SHAPIRO, A. M. Melanic tendencies in phalae-nid and geometrid moths in Eastern Pennsyl-vania. J. Res. Lepidoptera 3(1):19-24. Mar. 1964. 421 J827
- 95518 SHARPLIN, J. Wing base structure in Lepi-doptera. II. Hind wing base. Canad. Ent. 95(11): 1121-1145. Nov. 1963. 421 C16
- 95519 SHEPARD, J. H. The genus *Lycaeides* in the Pacific Northwest. J. Res. Lepidoptera 3(1): 25-36, map. Ref. Mar. 1964. 421 J827  
Only two species, *L. argyrognomon* and *L. melissa*.
- 95520 SHULL, E. M. An aggregation of *Callimorpha equalis* (Arctiidae) in the Himalayas. Lepi-dopterists' Soc. J. 17(4):224. Feb. 21, 1964. 421 L554
- 95521 SHULL, E. M. The butterflies of South Gujarat. Bombay Nat. Hist. Soc. J. 60(3):585-599. Dec. 1963. 513 B63
- 95522 SHULL, E. M. Occurrence of the butterflies *Neptis hordonia* *hordonia* Stoll, and *Issoria sinha pallida* Evans in Mussoorie: new altitude records. Bombay Nat. Hist. Soc. J. 60(3):745-747. Dec. 1963. 513 B63
- 95523 SICHEL, G. The subspecific differentiation of *Pyrgus malvoides* (Elw., Edw.) in its area (Lepidoptera). (It) Soc. Ent. Ital. B. 92(3/4): 38-44, map. Apr. 28, 1962. 420 It1  
Southern Europe.
- 95524 SPITZER, K. The distribution of *Pararge hiera* F. in Moravia (Lep., Satyridae). (Cz) Ceskoslov. Spolecnost Ent. Casopis 60(3):263. 1963. 420 C33  
German summary.
- 95525 STAFFORD, A. E. Gynandromorphism in Brit-ish *Lycaenidae*. Ent. Rec. & J. Variation 76(3): 87-88. Mar. 1964. 421 En89
- 95526 STAIRS, G. R. Infection of *Malacosoma dis-stria* Hubner with nuclear-polyhedrosis viruses from other species of *Malacosoma* (Lepidop-tera, Lasiocampidae). J. Insect Path. 6(2):164-169. Ref. June 1964. 421 J826
- 95527 STORACE, L. The exerge *antinorii* Oberthur of *Papilio dardanus* Brown (Lepidoptera, Papi-lionidae). (It) Soc. Ent. Ital. B. 92(5/6):68-73. Ref. July 30, 1962. 420 It1
- 95528 STORACE, L. *Lysandra albicans* H.-S. (his-pana H.-S.) race *irienensis* nov. (Lepidoptera, Lycaenidae). (It) Soc. Ent. Ital. B. 92(7/8): 127. Oct. 25, 1962. 420 It1
- 95529 STORACE, L. Notes on Lepidoptera. III. (It) Soc. Ent. Ital. B. 92(3/4):35-38. Apr. 28, 1962. 420 It1
- 95530 STORACE, L. Some African Papilionidae of the group *nireus* (Lepidoptera, Diurna). (It) Soc. Ent. Ital. Mem. 41:67-84. Ref. 1962. 420 It1M  
*Papilio nireus* group.
- 95531 STORACE, L. An unpublished subrace of *Zerynthia hypsipyle* Schulz ( *Thais hyperm-nestra* Scop., *Thais polyxena* Schiff.) (Lepi-doptera, Papilionidae). (It) Soc. Ent. Ital. B. 92(5/6):94-95. July 30, 1962. 420 It1
- 95532 STORACE, L. *Zygaena hilaris* O. in central Liguria (Lepidoptera, Zygaenidae). (It) Soc. Ent. Ital. B. 92(7/8):102-108. Ref. Oct. 25, 1962. 420 It1
- 95533 STORACE, L. *Zygaena occitanica* (deVillers) in Liguria (Lepidoptera, Zygaenidae). (It) Soc. Ent. Ital. B. 92(9/10):151-154. Ref. Dec. 20, 1962. 420 It1
- 95534 STRANDBAEK, E. *Xanthia citrargo* in the Hor-sens district. (Da) Flora og Fauna 70(1):32. Mar. 1964. 410 F662
- 95535 SUGDEN, B. A., and ROSS, D. A. Annotated list of forest insects of British Columbia. XI. *Papilio* spp. (Papilionidae). Ent. Soc. Brit. Columbia. Proc. 60:17-18. 1963. 420 B77
- 95536 SYMES, H. *Apatele leporina* L. overwintering two years. Ent. Rec. & J. Variation 76(3):86. Mar. 1964. 421 En89
- 95537 SYMES, H. A very early butterfly. Ent. Rec. & J. Variation 76(3):87. Mar. 1964. 421 En89  
*Polygonia c-album*.
- 95538 SZALKAY, J. Macrolepidoptera fauna of Fot region. (Hu) Rov. Kozlem. (n.s.) 15:365-417, map. 1962. 420 So12  
German summary.
- 95539 TELFER, W. H. The physiology of oocyte dif-ferentiation in the cecropia moth [*Hyalophora cecropia*]. Biol. Colloquium. [Proc.], 23rd Annu. Colloquium:13-22. Ref. 1962, pub. 1963. 442.9 B524
- 95540 TERSKOV, I. A., and KOLOMIETS, N. G. At-traction of the moths of Siberian silkworm—*Dendrolimus sibiricus* Tschetv. (Lepidoptera, Lasiocampidae) by the ultra-violet light. 4 p. Transl. 13666  
Baits and traps.  
Translation from Entomologicheskoe Oboz-renie 41(2):306-309. 1962.
- 95541 THORNE, F. The distribution of an endemic butterfly *Lycaena hermes*. J. Res. Lepidoptera 2(2):143-150, map. Ref. Sept. 1963. 421 J827
- 95542 TITE, G. E. A synonymic list of the genus *Nacaduba* and allied genera (Lepidoptera: Ly-caenidae). Brit. Mus. (Nat. Hist.) B. Ent. 13 (4):67-116, map. Ref. 1963. 420 B773  
Includes n. spp. in *Nacaduba*, *Prostas*, *Pa-raduba*, *Ionolyce*, and *Erysichton*.
- 95543 TODD, E. L. A new species of *Iodopepla* Fran-clemont from Cuba (Lepidoptera, Noctuidae). Ent. Soc. Wash. Proc. 66(2):75-79. June 1964. 420 W27
- 95544 TODD, E. L. Nomenclatural and descriptive notes on *Orodesma apicina* H.-S. and its sub-species (Lepidoptera, Noctuidae). Biol. Soc. Wash. Proc. 77:65-71. Ref. June 26, 1964. 500 W272

- 95545 TODD, E. L. A note on the distribution and recognition of *Zanclognatha atrilineella* (Grote) (Lepidoptera: Noctuidae). Ent. Soc. Wash. Proc. 66(1):38. Mar. 1964. 420 W27
- 95546 TREMEWAN, W. G. The silvicola Burgeff group of the genus *Zygaena* Fabricius (Lep., Zygaenidae). Ent. Rec. & J. Variation 76(3):74-82. Ref. Mar. 1964. 421 En89
- 95547 TURNER, R. D. Notes on the occurrence of *Agraulis vanillae* (Nymphalidae) in the Midwest. Lepidopterists' Soc. J. 17(4):227-228. Feb. 21, 1964. 421 L554  
On *Passiflora incarnata*.
- 95548 VARGA, Z. Further observations on the Macrolepidoptera fauna of the northern Hungarian Karst region. (Hu) Rov. Kozlem. (n.s.) 15: 335-346. 1962. 420 So12  
German summary.
- 95549 VROEGINDEWELJ, P. Lepidopterological observations on the South Holland islands. (Du) Ent. Ber. 24(5):99. May 1, 1964. 420 N38B
- 95550 WALKER, D. W., and FIGUEROA, M. Biology of the sugarcane borer, *Diatraea saccharalis* (Lepidoptera: Crambidae) in Puerto Rico. III. Oviposition rate. Ent. Soc. Amer. Ann. 57(4): 515-516. July 1964. 420 En82
- 95551 WALRECHT, J. J. R. The white-marked tussock moth, *Orgyia antiqua* L. (Du) Levende Nat. 66(10):236-237. Oct. 1963. 410 L57  
Oviposition.
- 95552 WANG, P. Y. Notes on Chinese pyralid moths of the genus *Diaphania* Hubner. (Ch) Acta Ent. Sinica 12(3/4):358-367. July/Sept. 1963. 421 K96  
English summary.  
Includes n. sp.
- 95553 WOLMARANS, E. The Karroo caterpillar—a serious problem. Farming So. Africa 40(2):25, 27, 29. May 1964. 24 So842  
Chiefly life history of *Loxostege frustralis*.
- 95554 WU, C. N., and KUO, F. The endocrine role of the corpora allata on the egg maturation in the armyworm *Leucania separata* Walker (Lepidoptera). (Ch) Acta Ent. Sinica 12(3/4):402-411. July/Sept. 1963. 421 K96  
English summary.
- 95555 WYATT, G. R. Biochemistry of diapause, development, and injury in silkworm pupae. Biol. Colloquium. [Proc.], 23rd Annu. Colloquium:23-41. Ref. 1962, pub. 1963. 442.9 B524  
*Hyalophora cecropia*.
- 95556 YANO, K. Notes on South Pacific Pterophoridae (Lepidoptera). Pacific Insects 5(4):849-871. Ref. Dec. 30, 1963. 421 P11  
Includes n. spp. in *Platyptilia*, *Deuterocopus*, *Nippoptilia*, *Acptilia* and *Sphenarches*.
- 95557 ZWOLFER, H. Corrigendum: Observations on the parasites of *Hydroecia micacea* Esp. and *H. petasitis* Dbl. Commonwealth Inst. Biol. Control. Tech. B. 4:154. Jan. 1964. 423.92 C733T  
Original article appeared in this journal 2: 101-158. Dec. 1962.
- 95558 ZWOLFER, H. Notes on the parasites of *Swammerdamia lutarea* Hw. and *S. caesiella* Hb. (Lep. Hyponomeutidae) in central Europe. Commonwealth Inst. Biol. Control. Tech. B. 4: 121-146. Ref. Jan. 1964. 423.92 C733T
- 95559 ZYLBERBERG, L. Evolution of a line of atypical spermatozoa in the course of spermatogenesis in *Pieris brassicae* L. (Lepidoptera). (Fr) Ann. des Sci. Nat. Zool. et Biol. Anim. (ser. 12) 5(3):491-499. July/Sept. 1963. 410 An7  
English summary.
- Orthoptera**
- 95560 BAKER, G. L., VROMAN, H. E., and PADMORE, J. Hydrocarbons of the American cockroach [*Periplaneta americana*]. Biochem. & Biophys. Res. Commun. 13(5):360-365. Ref. Oct. 29, 1963. 442.8 B5236
- 95561 BUSNEL, M. Acoustic characteristics of ecologically related populations of *Ephippiger*. (Fr) Ann. des Epiphyt. 14(1):25-34. 1963. 464.9 F84An  
English summary.
- 95562 CH'EN, Y. L. A new subspecies of *Locusta migratoria*—Tibetan migratory locust (*Locusta migratoria tibetensis* subsp. n.). (Ch) Acta Ent. Sinica 12(3/4):463-475. Ref. July/Sept. 1963. 421 K96  
English summary.
- 95563 CHENG, T. M., TU, C., and LIANG, L. C. A new species of the genus *Sphingonotus* Fieb. from China (Orthoptera: Acrididae). (Ch) Acta Zool. Sinica 15(2/4):279-281. June/Dec. 1963. 410 Ac87  
English summary.  
*Sphingonotus tsinlingensis*.
- 95564 CHENG, T. M., and LIANG, L. C. A preliminary survey of grasshoppers of Shensi Province. (Ch) Acta Zool. Sinica 15(2/4):461-470, map. Ref. June/Dec. 1963. 410 Ac87  
English summary.
- 95565 DEMPSTER, J. P. The population dynamics of grasshoppers and locusts. Cambridge Philos. Soc. Biol. Rev. 38(4):490-529. Ref. Nov. 1963. 442.9 C14  
Includes biology, effects of weather, and diseases, parasites, and predators.
- 95566 DUMORTIER, B. A study of the interspecific value of the acoustic signal in the genus *Ephippiger* and its connection with the problems of species isolation. (Fr) Ann. des Epiphyt. 14(1):5-23, map. Ref. 1963. 464.9 F84An  
English summary.
- 95567 EWER, D. W. Notes on acridid anatomy. VI. On the pterothoracic musculature of *Bullacris Roberts* and *Pneumora Stal* (Orthoptera: Pneumoridae). Ent. Soc. South. Africa. J. 26(2):411-424. Ref. Jan. 31, 1964. 420 En86  
*Bullacris longicornis* and *Pneumora inanis*.
- 95568 GERSCH, M., and RICHTER, K. Release of nerve impulses by neurohormones in *Periplaneta americana*. (Ge) Zool. Jahrb. Abt. f. Allg. Zool. u. Physiol. der Tiere 70(3):301-308. 1963. 410 Z751Z
- 95569 GUNTHER, K. K. On a Tridactylidae collection from Colombia (Orthoptera). (Ge) Berlin. Zool. Mus. Mitt. 39(1):187-201. 1963. 410.9 B45  
Includes n. spp. in *Rhipipteryx*.
- 95570 HENRY, S. M., BLOCK, R. J., and COOK, T. W. Methionine sulfoxide and other combined amino acids in the German cockroach [*Blattella germanica*]. Advn. Chem. Ser. 44:85-95. Ref. 1964. 381 Ad93
- 95571 JACOBS, W. On the singing of the grasshopper *Chorthippus biguttulus* (L.) in various regions of central and Western Europe. (Ge) Z. f. Tierpsychol. 20(4):446-460. Ref. Oct. 1963. 410 Z35
- 95572 KEVAN, D. K. M. A preliminary revision of the genera *Mitricephala* Bolivar 1898, and *Verdulia* Bolivar, 1905 (Orthoptera: Acridoidea: Pyrgomorphidae). Pacific Insects 5(4): 771-795. Ref. Dec. 30, 1963. 421 P11  
Includes *Mitricephaloides* n. g., and a n. sp. in *Mitricephala*.
- 95573 LAVIGNE, R. J., and PFADT, R. E. The role of rangeland grasshoppers as scavengers. Kans. Ent. Soc. J. 37(1):1-4. Jan. 1964. 420 K13  
Feeding on dead or dying insects.
- 95574 LECORDIER, C. Capture of the praying mantis [*Mantis religiosa*] in the suburbs northwest of Paris. (Fr) Entomologiste 19(5/6):107. Dec. 1963. 421 En814
- 95575 NEVILLE, A. C. Daily growth layers for determining the age of grasshopper populations. Oikos 14(1):1-8. 1963. 410 O14  
Cuticle of *Decticus verrucivorus* (Orthoptera, Tettigonidae) studied.
- 95576 NOWOSIELSKI, J. W., PATTON, R. L., and NAEGELE, J. A. Daily rhythm of narcotic sensitivity in the house cricket, *Gryllus domesticus* L., and the two-spotted spider mite, *Tetranychus urticae* Koch. J. Cell. & Compar. Physiol. 63(3):393-398. Ref. June 1964. 448.8 J822  
Ethyl ether, chloroform, and carbon tetrachloride used.



- 95577 PUTNAM, L. G. The progress of nymphal development in pest grasshoppers (Acrididae) of Western Canada. *Canad. Ent.* 95(11):1210-1216. Nov.1963. 421 C16  
Camnula pellucida, Melanoplus bilituratus, and M. bivittatus.
- 95578 RÁNDELL, R. L., and KEVAN, D. K. M. Research on field and house crickets (Orthoptera: Gryllidae: Gryllinae) at Macdonald College. *Ent. Soc. Quebec. Ann.* 8:102-107. Ref. 1963. 420 En822  
History and use as research animals.
- 95579 REHN, J. A. A new species of the genus Jivarus (Orthoptera; Acrididae; Cyrtacanthacridinae) from Ecuador. *Acad. Nat. Sci. Phila. Notulae Nat.* 359,6 p. July 30,1963. 500 P53No
- 95580 REHN, J. A. G., and RÁNDELL, R. L. A preliminary analysis of the lines of the super-tribe Melanoplini (Orthoptera; Acrididae; Cyrtacanthacridinae). *Acad. Nat. Sci. Phila. Proc.* 115 (2):1-32. 1963. 500 P53
- 95581 REHN, J. A. G. A systematic and geographic analysis of the genus Bradynotes (Orthoptera: Acrididae: Cyrtacanthacridinae). *Amer. Ent. Soc. Trans.* 90(2):131-203, map. Ref. 1964. 420 P53
- 95582 ROFFEY, J. Note on gregarious behaviour exhibited by Phymateus aegrotus Gerstaecker (Orthoptera: Acrididae). *Roy. Ent. Soc. London. Proc. Ser. A, Gen. Ent.* 39(4/6):47-49. July 7, 1964. 420 L84Pa  
In Somali Republic.
- 95583 ROONWAL, M. L., and HBANOTAR, R. K. Studies in intraspecific variation. IX. Hind-femoral spines as a phase character in the desert locust [Schistocerca gregaria]. *Indian Mus. Rec.* 59(1/2):1-17. Mar./June 1961. 410,9 In2R
- 95584 SINGH, P., and CHOUDHURY, J. C. B. An endo- and ecto-parasite on Orthacris simulans Bolv. (fam: Acrididae) infesting Rauwolfia serpentina Benth. *Indian Forester* 90(4):215-216. Apr.1964. 99.8 In2  
A nematode from the Mermithidae family.
- 95585 STEINMANN, H. The Tetrigidae of Africa (Orthoptera). *Rov. Kozlem. (n.s.)* 15:303-326, map. Ref. 1962. 420 So12
- 95586 TAKAI, A., and others. Population dynamics of Mecostethus magister (Orthoptera: Acrididae). (Ja) *Jap. J. Ecol.* 13(5):196-204, map. Ref. Oct.1963. 410 J272  
Y. Ito, K. Miyashita, and K. Nakamura, joint authors.
- 95587 TINKHAM, E. R. Orthoptera studies in Nearctic desert sand dunes. IV. A new Trimerotropis from the dunes of eastern New Mexico. *Great Basin Nat.* 21(3):51-54. Oct.2,1961. 410 G79  
Trimerotropis citrina neomexicana n. ssp.
- 95588 TINKHAM, E. R. Studies in Nearctic desert sand dune Orthoptera. VII. A new dwarf race of Plagiostira gillettei from a Utah dune, with generic key. *Great Basin Nat.* 22(4):105-107. Dec.31,1962. 410 G79  
Plagiostira gillettei utahensis n. ssp.
- 95589 TINKHAM, E. R. Studies in Nearctic desert sand dune Orthoptera. VIII. A grasshopper new to the Utah list. *Great Basin Nat.* 22(4):108-109. Dec.31,1962. 410 G79  
Trimerotropis arenacea.
- 95590 TINKHAM, E. R. Studies in Nearctic desert sand dune Orthoptera. IX. A new Trimerotropis from southern Idaho dunes. *Great Basin Nat.* 24(1):31-35. Mar.31,1964. 410 G79  
Trimerotropis agrestis hewitii n. ssp.
- 95591 VROMAN, H. E., KAPLANIS, J. N., and ROBINS, W. E. Cholesterol turnover in the American cockroach, Periplaneta americana (L.). *J. Lipid Res.* 5(3):418-421. Ref. July 1964. 381 J8282
- 95592 WALKER, T. J. Experimental demonstration of a cat locating orthopteran prey by the prey's calling song. *Fla. Ent.* 47(2):163-165. June 1964. 420 F662  
Crickets and grasshoppers.
- 95593 WENDLER, G. Running and standing in the stick insect Carausius morosus: areas of sensory chaetae in the leg joints as links in the regulatory cycle. (Ge) *Z. f. Vergleichende Physiol.* 48(2):198-250. Ref. 1964. 444.8 Z3
- 95594 WILLEMSE, F. A new species of the genus Bettotania Will. (Orthoptera, Acridoidea, Acrididae, Catantopinae). *Nathist. Genootsch. Limburg. Nathist. Maandbl.* 52(12):171-173. Dec.30, 1963. 409.6 N2123N

### Smaller Orders

- 95595 AGNEW, J. D. New South African records of imperfectly known Baetidae (Ephem.). *Hydrobiologia* 22(1/2):41-46, map. Sept.30,1963. 410 H992
- 95596 ALIBERT, J. Evolution in time of fungi mounds constructed by termites. (Fr) *Acad. des Sci. Compt. Rend.* 258(21):5260-5263. May 25,1964. 505 P21  
For nutrition.
- 95597 ANDER, K. Lestes barbarus F. found in Sweden. (Odonata). (Sw) *Opusc. Ent.* 28(3):196-197. 1963. 421 Op7  
German summary.
- 95598 ARNOUD, B. On lace-winged insects and their larvae. (Du) *Nathist. Genootsch. Limburg. Nathist. Maandbl.* 52(4):50-52. Apr.25,1963. 409.6 N2123N  
Neuroptera.
- 95599 ASPOCK, H. Coniopteryx holzeli nov. spec., a new European neuropteran. (Ge) *Ent. Ber.* 24 (4):77-78. Apr.1,1964. 420 N38B
- 95600 BARETH, C. Morphological and histologic study of some tegumentary structures of dipluran Campodeidae. (Fr) *Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)* 35(4):370-380. Ref. 1963. 410.9 P213
- 95601 BENEDEK, P. The Odonata fauna of Leanyfalu region. (Hu) *Rov. Kozlem. (n.s.)* 15:427-440, map. Ref. 1962. 420 So12  
English summary.
- 95602 BITSCH, J. Cephalic morphology of the Machilidae (Insecta Thysanura). (Fr) *Ann. des Sci. Nat. Zool. et Biol. Anim. (ser.12)* 5(3):501-584. (Cont.) July/Sept.1963. 410 An7
- 95603 BLICKLE, R. L. Hydroptilidae (Trichoptera) of Maine. *Ent. News [Philadelphia]* 75(6):159-162. June 1964. 421 En88
- 95604 BRAECKMAN, G. Allometry as corroboration of the difference in growth of the head of two native larvae of Myrmeleonidae: Euroleon nostras Fourcr. and Myrmeleon formicarius L. (Du) *Nathist. Genootsch. Limburg. Nathist. Maandbl.* 52(5):67-72. May 30,1963. 409.6 N2123N  
French summary.
- 95605 BRAECKMAN, G. Distinguishing marks to differentiate the two Myrmeleonidae species: Euroleon nostras Fourcr. and Myrmeleon formicarius L. (Du) *Nathist. Genootsch. Limburg. Nathist. Maandbl.* 52(6):79-80. June 27,1963. 409.6 N2123N  
French summary.
- 95606 BUCHHOLZ, K. F. Odonaten aus Mazedonien [Odonata from Macedonia]. *Opusc. Zool.* 70, 16 p. Ref. Nov.1,1963. 410 Op7  
Bulgaria and Yugoslavia.
- 95607 CHANUSSOT, B. Etude biometrique de la croissance post-embryonnaire de Machilis burgundiae Bitsch 1960 (Ins. Thysanura) [Biometric study of the post-embryonic growth in Machilis burgundiae Bitsch 1960 (Ins. Thysanura)]. *Dijon. U. Lab. de Zool. Trav.* 50,47 p. Ref. 1963. 410.9 D56
- 95608 CHATTERJEE, P. N., and THAPA, R. S. A new species of the genus Grallatotermes from India (Isoptera: Termitidae: Nasutitermitinae). *Indian Forester* 90(4):210-214. Apr.1964. 99.8 In2
- 95609 CLAY, T. A new species of Haematomyzus Piaget (Phthiraptera, Insecta). *Zool. Soc. London. Proc.* 141(1):153-161. July 1963. 410.9 L84P  
On wart-hog.
- 95610 CONSIGLIO, C. Contribution to the knowledge of the Plecoptera from the Piedmont, Valley of Aosta and Liguria. (It) *Soc. Ent. Ital Mem.* 41: 25-44. Ref. 1962. 420 It1M  
English summary.

- 95611 CUMMINS, K. W. Factors limiting the micro-distribution of larvae of the caddisflies *Pycnopsyche lepida* (Hagen) and *Pycnopsyche guttifer* (Walker) in a Michigan stream (Trichoptera: Limnephilidae). *Ecol. Monog.* 34(3):271-295, map. Ref. Summer 1964. 410 Ec72
- 95612 DENNING, D. G. Trichoptera of Baja California. *Pan-Pacific Ent.* 40(2):128-134. Apr. 1964. 421 P193  
Includes n. spp. in *Atopsyche*, *Tinodes*, and *Helicopsyche*.
- 95613 DEVAL, GY. A new species of the Hungarian Odonata fauna (*Aeschna viridis* Eversm.). (Hu) *Rov. Kozlem.* (n.s.)15:503-508, map. 1962. 420 So12  
German summary.
- 95614 DONNELLY, T. W. *Enallagma westfalli*, a new damselfly from eastern Texas, with remarks on the genus *Teleallagma* Kennedy (Odonata: Coenagrionidae). *Ent. Soc. Wash. Proc.* 66(2):103-109. June 1964. 420 W27
- 95615 ELZINGA, R. J. The importance of the Berlese technique in studying ectoparasite populations upon rodent hosts. *Kans. Ent. Soc. J.* 37(1):52-56. Ref. Jan. 1964. 420 K13  
Fleas, mites, and ticks.
- 95616 EMERSON, K. C. A new species of Mallophaga from Malaya. *Kans. Ent. Soc. J.* 37(1):4-5. Jan. 1964. 420 K13  
*Felicola siamensis* from *Felis bengalensis* tingia.
- 95617 ERNST, E. On finds of *Pseudacanthotermes* in Tanganyika (Isoptera, Termitidae). (Ge) *Acta Trop.* 21(2):173-178. 1964. 475 Ac8
- 95618 FISCHER, F. C. J. A new name for *Rhabdoceras* (Calamoceratidae, Trichoptera). (Ge) *Ent. Ber.* 24(6):106. June 1, 1964. 420 N38B  
Georgium n. n. for *Rhabdoceras* preoccupied in Mollusca.
- 95619 FLINT, O. S. Two species of Limnephilidae new to North America (Trichoptera). *Ent. Soc. Wash. Proc.* 66(1):60. Mar. 1964. 420 W27  
*Grammotaulius signatipennis* and *Limnephilus stigma* from Alaska.
- 95620 FOTIUS-JABOULET, M. C. Anatomie des glandes cephaliques de la larve de *Rhyacophila septentrionis* (Trichoptera-Rhyacophilidae) (Anatomy of the cephalic glands of *Rhyacophila septentrionis* larva (Trichoptera-Rhyacophilidae)). *Dijon. U. Lab. de Zool. Trav.* 46, 30 p. Ref. 1963. 410.9 D56
- 95621 FOX, J. W., and FOX, R. M. A new species of *Triozocera* (Mengeidae: Strepsiptera) from Liberia, West Africa. *Ent. Soc. Amer. Ann.* 57(4):402-405. July 1964. 420 En82
- 95622 FRANSSEN, C. J. H., and MANTEL, W. P. Thysanoptera collected in the dune waterworks of Amsterdam. (Du) *Nathist. Genootsch. Limburg. Nathist. Maandbl.* 52(1):12-13. Jan. 30, 1963. 409.6 N2123N
- 95623 GAMA, M. M. DA. *Xenylla aelleni*, n. sp. originating in a grotto of Gabon. (Insecta, Collembola). (Fr) *Inst. Franc. d'Afrique Noire. B. Ser. A, Sci. Nat.* 26(2):438-441. Apr. 1964. 515 D14
- 95624 GARDNER, A. E. Report on the insects collected by E. W. Classey and A. E. Gardner expedition to Madeira in December 1957 (with special reference to the life-history of *Symptetrus nigrifemur* (Selys)). III. Odonata. So. *London Ent. & Nat. Hist. Soc. Proc. & Trans.* 1962:62-85. Ref. Oct. 1963. 420 So8
- 95625 GONZALEZ, R. H., and SMITH, L. M. Japygidae of South America. 5. New species of Japygidae from Chile. *Biol. Soc. Wash. Proc.* 77:35-45. Ref. June 26, 1964. 500 W272  
Includes n. spp. in *Teljapyx* and *Penjapyx*.
- 95626 GOTO, H. E., and LAWRENCE, P. N. On some new and disputed synonymy in British Collembola. *Roy. Ent. Soc. London. Proc. Ser. B, Taxonomy* 33(5/6):83-91. Ref. June 30, 1964. 420 L84Pb
- 95627 GRANDI, M. Contribution to the study of Italian Ephemeroptera. XXIV. The somatic abdominal muscles. (It) *Bologna. U. Ist. di Ent. B.* 26:179-206. 1962/63. 420 B63  
English summary.
- 95628 GUPTA, S. D. Morphology of the primitive termite *Anacanthotermes macrocephalus* (Desneux) (Isoptera: Hodotermitidae). 1-2. *Indian Mus. Rec.* 58(3/4):169-222. Ref. Sept./Dec. 1960. 410.9 In2R
- 95629 HEPBURN, H. R., and WOODRING, J. P. Checklist of the Collembola (Insecta) of Louisiana. *La. Acad. Sci. Proc.* 26:5-9. Dec. 1963. 500 L932
- 95630 HERTER, K. Reproductive biology of the sand or littoral earwig *Labidura riparia* Pall. (Ge) *Zool. Beitr.* (n.s.)8(2):297-329. Ref. 1963. 410 Z753
- 95631 HUANG, C. L. A review of the Chinese Stenopsychidae (Trichoptera). (Ch) *Acta Ent. Sinica* 12(3/4):476-489. July/Sept. 1963. 421 K96  
English summary.  
Includes n. spp. in *Stenopsyche*.
- 95632 HUBBARD, C. A. A flea named for Michael Grzimek. *Ent. News [Philadelphia]* 75(6):155-158. June 1964. 421 En88  
*Ctenophthalmus grzimeki* n. sp. from Tanganyika on mice.
- 95633 ILLIES, J. The Plecoptera of the Auckland and Campbell Islands. *Wellington. Dominion Mus. Rec.* 4(19):255-265. Nov. 29, 1963. 514 W462R  
Includes n. spp. in *Apteryoperla*.
- 95634 JEWETT, S. G. Three stoneflies (Plecoptera) from Cape Thompson, Alaska. *Brooklyn Ent. Soc. B.* 58(4):123-125. Oct. 1963. 420 B79  
Includes *Nemoura arctica*, *Capnia ogotoruka* n. sp., and *Arcynopteryx compacta*.
- 95635 JOHNSON, P. T. The hoplopleurid lice of the Indo-Malayan Subregion (Anoplura: Hoplopleuridae). *Ent. Soc. Amer. Misc. P.* 4(3):67-102. Ref. Jan. 1964. 420 En82M  
Includes n. spp. in *Hoplopleura*, *Ancistroplax*, *Neohaematopinus*, *Sathrax*, n. g., and a host-parasite list, wildlife.
- 95636 JORGENSEN, H. Myrmeleon formicarius on Laeso. (Da) *Flora og Fauna* 70(1):1. Mar. 1964. 410 F662
- 95637 KAPUR, A. P., and KRIPALANI, M. B. The mayflies (Ephemeroptera) from the north-western Himalaya. *Indian Mus. Rec.* 59(1/2):183-221a. Ref. Mar./June 1961. 410.9 In2R  
Includes n. spp. in *Ephemerella*, *Baetis*, and *Epeorus*.
- 95638 KASIEV, S. K. Mallophaga parasitizing pheasants in Kirghizia, their fauna and parasitizing season. (Rus) *Akad. Nauk Kirgizskoi SSR. Izv. Ser. Biol. Nauk* 4(5):75-85. 1962. 442.9 Ak123
- 95639 KIAUTA, B. Notes on some field observations on the behaviour of *Leucorrhinia pectoralis* Charp. (Odonata: Libellulidae). *Ent. Ber.* 24(5):82-86, map. May 1, 1964. 420 N38B  
Chiefly its reproductive behavior in the Netherlands.
- 95640 KLEIN, J. M. Faunistic and ecologic facts on the fleas of gerbils in a natural focus of plague in Iranian Kurdistan. (Fr) *Soc. de Path. Exot. B.* 56(6):1202-1230. Ref. Nov./Dec. 1963. 448.9 So13  
Surveys based on collections of nearly 20,000 fleas.
- 95641 KORBOOT, K. Biological studies of some caddis flies (Trichoptera) from south east Queensland. *Queensland. U. Dept. Ent. Papers* 1(16):239-274. Ref. Sept. 20, 1963. 420 Q3  
Breeding, collecting, and life histories.
- 95642 KUHN, H. J., and LUDWIG, H. W. *Pedicinus veri* n. sp., a louse from the ape *Procolobus verus* (Hoplopleuridae, Anoplura). (Ge) *Senckenb. Biol.* 44(3):213-222. May 1963. 410.9 Se5
- 95643 KUSHWAHA, K. S. External morphology of the termite, *Odontotermes obesus* (Rambur) (Isoptera: Termitidae). 3. Chaetotaxy of the soldier, worker and alate castes. *Indian Mus. Rec.* 58(2):71-114. June 1960. 410.9 In2R
- 95644 LEPNEWA, S. G. Larvae of Rhyacophilidae (Trichoptera) in running waters of the U.S.S.R. (Ge) *Arch. f. Hydrobiol.* 59(1):61-70. Ref. Jan. 1963. 410 Ar28



- 95645 MANDRU, C. Myrmeleonidae (Neuroptera) der Moldau [Myrmeleonidae (Neuroptera) of Moldavia]. Fragmenta Faunistica 10(24):11 p., map. Ref. June 1963. 410.9 W26F Rumania.
- 95646 MANTEL, W. P. Description of two hitherto unknown Thysanoptera males and Hoplothrips arnoudi, nova species (Thysanoptera). (Ge) Ent. Ber. 24(6):107-115. June 1, 1964. 420 N38B  
Anaphothrips gracillimus Priesner and Scolothrips uzeli Schille.
- 95647 MARLIER, G. The metamorphosis of two Limnophilidae (Trichoptera) from South America. (Fr) Arch. f. Hydrobiol. 59(2):243-252. Apr. 1963. 410 Ar28  
German summary.  
Magellomyia illiesi and Austrocosmoecus hirsutus.
- 95648 MASSOUD, Z. The Poduromorpha Collembola of Surinam. (Fr) Stud. Fauna Suriname Other Guyanas 6(32):43-51. 1963. 411.2 G272  
Includes Neotropiella vanderdrifti n. sp.
- 95649 MEINANDER, M. Notes on Finnish Neuroptera and Mecoptera. Notulae Ent. 43(4):160-164. 1963. 421 N84
- 95650 MULLER-LIEBENAU, I. Capnionura Ris, 1905, a Plecoptera genus new for the German fauna (Insecta, Plecoptera). (Ge) Arch. f. Hydrobiol. 59(2):253-256. Ref. Apr. 1963. 410 Ar28  
English summary.
- 95651 LI, K. C., and SHEN, D. Y. A new flea of the genus Nosopsyllus Jordan, 1933 (Siphonaptera). (Ch) Acta Ent. Sinica 12(3/4):354-357. July/Sept. 1963. 421 K96  
English summary.  
Nosopsyllus elongatus, n. sp.
- 95652 NIELSEN, B. O. Tarsopsylla octodecimdentata octodecimdentata (Kolenata) (Siphonaptera), new for the Danish fauna. (Da) Ent. Meddel. 32(2):188-190. 1963. 421 En82  
English summary.  
Taken on a squirrel.
- 95653 PALISSA, A. On the occurrence of apterygotans in dwellings. (Ge) Berlin. Humboldt-U. Wiss. Z. Natwiss. Reihe 13(1):109-112. 1964. 509 B453  
English summary.  
Habits and behavior and breeding places.
- 95654 PINHEY, E. Further records of African dragonflies (Odonata). Ent. Soc. South. Africa. J. 26(2):324-336. Ref. Jan. 31, 1964. 420 En86  
Includes n. spp. in Pseudagrion and Ischnura.
- 95655 PINHEY, E. A remarkable new primitive dragonfly [Archaeophlebia victoriae n. sp.] (Odonata) from the Victoria Falls. Nov. Taxa Ent. 32, 6 p. Nov. 1963. 421 N853
- 95656 PRICE, R. D. A new species of Kurodaia (Mallophaga: Menoponidae), with additional notes on the genus. Ent. News [Philadelphia] 75(6):145-148. June 1964. 421 En88  
From owl in Mexico.
- 95657 PRICE, R. D., and BEER, J. R. Species of Colpocephalum (Mallophaga: Menoponidae) parasitic upon the Galliformes. Ent. Soc. Amer. Ann. 57(4):391-402. July 1964. 420 En82  
Includes n. spp.
- 95658 RAPOPORT, E. H., and SANCHEZ, L. On the epineuston or the supraquatic fauna. Oikos 14(1):96-109. Ref. 1963. 410 O14  
Survey of Collembola in Bahia Blanca, Argentina.
- 95659 ROONWAL, M. L., and BOSE, G. An African genus, Psammotermes, in Indian termite fauna, with fuller description of P. rajasthanicus from Rajasthan, India. Indian Mus. Rec. 58(3/4):151-158, map. Sept./Dec. 1960. 410.9 In2R
- 95660 ROONWAL, M. L. Biology and ecology of Oriental termites. 5. Mound-structure, nest and moisture-content of fungus combs in Odontotermes obesus, with a discussion on the association of fungi with termites. Indian Mus. Rec. 58(3/4):131-150. Ref. Sept./Dec. 1960. 410.9 In2R
- 95661 ROONWAL, M. L., and CHHOTANI, O. B. A new Neotropical element (Anoplotermes) in the Indian termite fauna, with fuller description of A. shillongensis from Assam. Indian Mus. Rec. 58(3/4):159-168, map. Ref. Sept./Dec. 1960. 410.9 In2R
- 95662 ROSS, H. H., and RICKER, W. E. New species of winter stoneflies, genus Allocapnia (Plecoptera, Capniidae). Ill. State Acad. Sci. Trans. 57(2):88-93. June 15, 1964. 500 IL6
- 95663 ROSS, H. H. New species of winter stoneflies of the genus Allocapnia (Plecoptera, Capniidae). Ent. News [Philadelphia] 75(7):169-177. July 1964. 421 En88
- 95664 ROSS, H. H. Stream communities and terrestrial biomes. Arch. f. Hydrobiol. 59(2):235-242, map. Apr. 1963. 410 Ar28  
Correlation between Trichoptera distribution and forest ecology, chiefly in North America.
- 95665 SATTLER, W. On the body structure, ecology, and ethology of larva and pupa of Macronema Pict. (Hydropsychidae), a Trichopteran larva feeding on the "micro-drift" of the Amazon area. (Ge) Arch. f. Hydrobiol. 59(1):26-60. Ref. Jan. 1963. 410 Ar28  
English summary.
- 95666 SCHMID, F. Trichoptera of Afghanistan. (Fr) Budapest. Magyar Nemzeti Muz. Evkon. 55:435-445. 1963. 410.9 B85E  
Includes new spp. in Hydropsyche, Apatania and Dinarthrum.
- 95667 SMIT, F. G. A. M. Species-groups in Ctenophthalmus (Siphonaptera: Hystrichopsyllidae). Brit. Mus. (Nat. Hist.) B. Ent. 14(3):105-152. 1963. 420 B773
- 95668 SMIT, F. G. A. M. The zoological results of Gy. Topal's collecting in South Argentina. Budapest. Magyar Nemzeti Muz. Evkon. 55:421-433. 1963. 410.9 B85E  
Includes Ctenoparia topali, n. sp.
- 95669 SMITHERS, C. N. The Elipsocidae (Psocoptera) of Australia. Pacific Insects 5(4):885-898. Ref. Dec. 30, 1963. 421 P11  
Includes n. sp. in Spilopsocus n. g.
- 95670 SPENCER, G. J. Termites in the Queen Charlotte Islands. Ent. Soc. Brit. Columbia. Proc. 60:18. 1963. 420 B77  
Zootermopsis.
- 95671 STANNARD, L. J. New genera and species of Thysanoptera (Tubulifera: Phlaeothripidae) from Illinois and Alabama. Ill. State Acad. Sci. Trans. 56(3):134-138. 1963. 500 IL6  
New spp. in Diphyothrips n. g., Hoplandrothrips, and Acrothrips n. g.
- 95672 STEINMANN, H. Raphidiopterological studies. II. New Raphidia L. and Rhaphidilla Nav. species from Europe and Asia. Acta Zool. [Budapest] 10(1/2):199-227. Ref. 1964. 410 Ac85
- 95673 SZABO, I. History of Siphonaptera (Aphaniptera) research in Hungary. (Hu) Rov. Kozlem. (n.s.) 15:327-333. Ref. 1962. 420 So12  
German summary.
- 95674 THIBAUD, J. M. Description of a new species of Collembola from Lorraine, Xenylla lotharingiae n. sp. (Fr) Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 35(4):361-369. Ref. 1963. 410.9 P213
- 95675 TJEDER, B. Comments on Hemerobius algidus Erichson, with notes on the genus Drepanopteryx (Neur. Hemerobiidae). Opusc. Ent. 28(3):171-180. Ref. 1963. 421 Op7  
Taxonomy and geographical distribution.
- 95676 TJEDER, B. A new Dyshemerobius from Northern Rhodesia (Neur. Hemerobiidae). Opusc. Ent. 28(3):181-184. 1963. 421 Op7  
Dyshemerobius falciger n. sp.
- 95677 TUXEN, S. L. Specific and generic characteristics of Protura. (Ge) Ent. Meddel. 32(1):84-96; (2):97-98. 1963. 421 En82  
Includes key, Hesperentominae n. sfam., and the following new genera: Condeellum, Amerentulus, Maderentulus, Gracilentulus, Delamarentulus, and Berberentulus.

- 95678 ULMER, G. Trichoptera (caddisflies) from Egypt. (Ge) Arch. f. Hydrobiol. 59(2):257-271. Ref. Apr.1963. 410 Ar28  
English summary.  
Includes n. spp. in Ecnomus, Hydroptila, and Javanotrichia.
- 95679 WIGGINS, G. B. Larvae and pupae of two North American limnephilid caddisfly genera (Trichoptera: Limnephilidae). Brooklyn Ent. Soc. B. 58(4):103-112. Oct.1963. 420 B79  
Philarctus quaeris and Chyranda centralis.
- 95680 WŁODARCZYK, J. Gryzki (Psocoptera) z gniazd niektórych gatunków ptaków. (Psocoptera) of some bird nests. Fragmenta Faunistica 10(23):6 p. May 20,1963. 410.9 W26F  
English summary.
- 95681 YIN, W. Y. Two new species of Protura from China. (Ch) Acta Ent. Sinica 12(3/4):268-275. Ref. July/Sept.1963. 421 K96  
English summary.  
New spp. in Acerentulus and Eosentomon.
- 95682 ZEHRING, C. S., ALEXANDER, A., and MONTGOMERY, B. E. Studies of the eggs of Odonata. Ind. Acad. Sci. Proc. 72:150-154. 1962, pub. 1963. 500 In2
- 95683 ZŁOTORZYCKA, J. Studies on chewing lice of birds of prey. III. New species of Falcolipeurus. (Ge) Angew. Parasitol. 4(3):150-163. Sept. 1963. 436.8 An4  
English summary.  
Nine n. spp.



## AGRICULTURAL ENGINEERING

References on bee keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

## GENERAL AND MISCELLANEOUS

- 95684 CALDERINI, G. Accident prevention by using sisal rope instead of iron rope. (It) Trattoria 10(11/12):252-253. June 15/30, 1964. 58.8 T69
- 95685 KANSAS. STATE DEPT. OF HEALTH. DIV. OF VITAL STATISTICS. Kansas agricultural accidental death report, 1962. 21 p. 449.9 K13
- 95686 KARANUROV, K. Care of the harvest. (Rus) Kolkhoz.-Sovkhoz. Proizvodstvo Turkmenistana 11:37-38. Nov. 1963. 20 Se4982  
Fire prevention of cotton.
- 95687 RUSH, J. Fire losses on farms at all-time high of \$191 million in 1963. U. S. Fur Rancher 43(7):8,24. Aug. 1964. 412.629 Am3M
- 95688 VESTMYR, J. On farm roads. (Sw) Lantbr-tidskr. f. Dalarna 77(1):24-25. 1964. 11 L29  
Construction.
- 95689 ZACH, A. Protection against lightning. (Hu) Magyar Mezőgazdaság 19(26):7. June 24, 1964. 19 M27

## FARM MACHINES AND EQUIPMENT

- 95690 AGENA, M. U. Work in cattle stall. (Ge) Tech. u. Landwirt. 16(10/11):256-258. May 25, 1964. 58.8 T223  
With various equipment.
- 95691 AGRICULTURA DE LAS AMERICAS. Agricultural catalog, 1964; an information guide on various products for harvesting, gardening, livestock and poultry, machines and equipment for mechanized agriculture, [material on] livestock and poultry raising, [and] index of distributors. (Sp) Agr. de las Amer. 13(7):9-32-D. July 1964. 58.8 Ag832
- 95692 ANDESNER, E. The front loader. II-III. (Ge) Traktor u. die Landmasch 26(7):439-440, 442-444, 446; (8):529-531. May-June 1964. 58.8 T678Ag  
From Austria.
- 95693 BAUMGARTNER, J. Trial methods for farm machines. (Ge) Traktor u. die Landmasch. 26(8):507-509. June 1964. 58.8 T678Ag
- 95694 BEHRENDT, G. Pasture preparation, for once differently. (Ge) Tierzuchter 16(6):187-189. Mar. 20, 1964. 49 T445  
Includes equipment.
- 95695 BJERNINGER, S. Rust protection. (Sw) Mjolkpropaganda 40(11):282-283. 1963. 44.8 M692  
Of equipment.
- 95696 BLANKEN, G. Losses and mechanization. (Ge) Tech. u. Landwirt. 16(10/11):252-255. May 25, 1964. 58.8 T223
- 95697 BLUME, F. Loading and conveying loose grain. (Ge) Landtechnik 19(13):494, 496-499. July 1, 1964. 58.8 L235
- 95698 BOCHKAREV, M. A. Mechanization as basis of high yields. (Rus) Khlopkovodstvo 5:9-11. May 1964. 72.8 K522  
Cotton.
- 95699 BOLTINSKII, V. Means of increasing productivity of machine and tractor aggregates. (Rus) Mezhduнарод. Sel'skokhoz. Zhur. 2:88-93. 1964. 20 M57  
Chiefly speed.
- 95700 BROWN, B. L. How ingredients and feed are being moved from the farm to the feed manufacturer to the dealer back to the farm. Feed & Farm Supplier 38(5):46-48. May 1964. 47.8 H28

- 95701 BRUNSWICK. FORSCHUNGSANSTALT FUR LANDWIRTSCHAFT. INSTITUT FUR LAND-TECHNISCHE GRUNDLAGENFORSCHUNG. Vorträge auf der 21. Tagung der Landmaschinen-Konstrukteure, am 3. bis 5. April 1963 [Lectures given at the 21st meeting of the land equipment designer, April 3-5, 1963]. Grundlagen der Landtech. 19,68 p. Ref. 1964. 58.8 G92
- 95702 CAVASSA, J. Total Texas mechanization? Holly Agr. News 12(2):8-9. Summer 1964. 66.8 H72  
Sugar beets.
- 95703 CHERNIKOV, N. Plants require reliable care. (Rus) Kartoffel' i Ovoshch. 5:2-4. May 1964. 58.8 K147  
Cultivation and fertilizing equipment, and spraying and dusting apparatus for potatoes.
- 95704 CHITTENDEN, W. J. Farm-made silage grab. Dairyfarming Digest 11(1):2-4. Jan./Feb. 1964. 44.8 D1443
- 95705 CHROBOCZEK, E. Mechanization of harvesting and requirements when breeding new varieties of vegetables for fully mechanized culture and harvesting. (Pol) B. Warzywniczy 6:5-24. Ref. 1961/62. 80 B54  
English summary.
- 95706 CULPIN, C. Farm machinery. Ed. 7, rev. London, Lockwood, 1963. 728 p. 58 C89
- 95707 DENEUFBOURG, J. Problems posed by agricultural mechanization on the Ivory Coast. (Fr) Ivory Coast. Min. de l'Agr. B. de Liaison 22:10-15. Nov./Dec. 1963. 24 Iv72
- 95708 DESSEWFFY, I. Mechanical cultivation and harvesting of asparagus. (Hu) Kerteszeti és Szőlészeti 13(11):6-7. June 1964. 80 K474
- 95709 DOBREN'KIL, A. A., and MANAENKOV, A. N. Mechanization of catch crop cultures. (Rus) Sadovodstvo 4:14-15. 1964. 80 Sa13
- 95710 ENGEL, B. The equipment industry in the winter 1963/64. (Ge) Landmasch.-Markt 43(13):825-826. June 25, 1964. 58.8 L239
- 95711 FAHR, W. Economic importance and possibilities for reduced testing time of farm machines. (Ge) Traktor u. die Landmasch 26(8):511-519, 523. June 1964. 58.8 T578Ag
- 95712 FARM IMPLEMENT AND MACHINERY REVIEW. Farm implement buyers guide, 1964. London, 1964. 236 p. 225 F228
- 95713 FRANCE. CENTRE D'ETUDES ET D'EXPERIMENTATION DU MACHINISME AGRICOLE TROPICAL. Some economic considerations on agricultural mechanization in tropical countries. (Fr) Mach. Agr. Trop. 3:33-38. July/Sept. 1963. 58.8 M186  
English summary.
- 95714 FRANCE. CENTRE D'ETUDES ET D'EXPERIMENTATION DU MACHINISME AGRICOLE TROPICAL. Some simplified data on calculating the returns from using agricultural equipment in tropical countries. (Fr) Mach. Agr. Trop. 4:24-39. Oct./Dec. 1963. 58.8 M186  
English summary.
- 95715 FURUYA, M. The mechanization of poultry raising operations. (Ja) Keiyu 3:28-31. Mar. 1964. 47.8 K26
- 95716 GEMEREN, P. VAN. Demonstration of equipment at Bunnik, specially for fruit growers. (Du) Groenten en Fruit 19(48):2072-2073, 2075. June 3, 1964. 80 G89
- 95717 GEMEREN, P. VAN. Successful demonstration of equipment for fruit culture in Bunnik. (Du) Groenten en Fruit 19(50):2152-2153, 2155. June 17, 1964. 80 G89
- 95718 GIARDINI, A. Technical orientation of forage culture in relation to the modern systems of mechanization. (It) Riv. di Zootec. 36(12):721-735. Dec. 1963. 49 R52
- 95719 GILDEN, R. O. The world of materials handling and environmental control. Ext. Serv. Rev. 35(6):91-92. June 1964. 1 Ex892Ex
- 95720 HEWITT, A. C. T. Tidiness on the farm. Dairyfarming Digest 11(1):15-17. Jan./Feb. 1964. 44.8 D1443  
Primarily care of farm equipment.

- 95721 HOCHKONIG, W. The technique of fertilizing handling on grassland farms. (Ge) Forde-rungsdienst 11(10):328-334. Oct.1963. 19 F75  
Equipment for handling and application of manures and commercial fertilizers.
- 95722 HORVATH, L. Home repair of scales. (Hu) Mezogazdasagi Tech. 4(6):4-5. 1964. 58.8 M572
- 95723 IMPROVEMENT of technical maintenance of machines. (Rus) Tekh. v Sel'sk. Khoz. 5:1-3. May 1964. 58.8 M11
- 95724 JERMY, S. Study trip in the USSR. (Hu) Cu-koripar 17(6):185-189, map. June 1964. 65.8 C89  
German summary.  
To study mechanization and storage methods of sugar beets.
- 95725 KARAIVANOV, I., and others. Possibilities of introducing a system of machines in producing tobacco of the "Bashibali" brand. (Bu) Plov-div. Nauchnoizsled. Inst. po Tyutyuna. Izv. 4: 109-129. 1963. 69.9 P72  
A. Alkalai, A. Boikinov, and I. Khikov, joint authors.  
English summary.
- 95726 KLOTH, W. Problems in predicting durability of constructional parts. (Ge) Grundlagen der Landtech. 19:34-36. Ref. 1964. 58.8 G92  
Of equipment.
- 95727 KRAMARIK, J. Two old types of agricultural equipment and their northern limits in the Bo-hemian Forest district. (Cz) Agrikultura 2: 41-54. 1963. 19.5 Ag8  
German summary.
- 95728 KRUGER, H. Factory-like production experi-ments in sheep rearing. (Ge) Tierzucht 17(10): 472-477. Oct.1963. 49 T443  
Mechanization, chiefly.
- 95729 KRUSMANN, G. New machines. (Ge) Deut. Baumsch. 16(2):38-42. Feb.1,1964. 80 D486
- 95730 LABROUSSE, G. The second sessions of agri-cultural machinery in Bambey. (Fr) Mach. Agr. Trop. 4:5-23. Oct./Dec.1963. 58.8 M186  
English summary.  
Report on the demonstrations.
- 95731 LABROUSSE, G. The thirty-fourth Salon Inter-national de la Machine Agricole during Agricul-ture Week in Paris. (Fr) Mach. Agr. Trop. 3: 39-51. (Concl.) July/Sept.1963. 58.8 M186  
English summary.  
Especially possibilities of use in tropical countries of some of the equipment shown.
- 95732 LARSON, L. H. Safer equipment ahead. Doane's 27(20):22. July 8,1964. 281.8 D652
- 95733 LOSCH, R. The equipment marketing at the beginning of 1964. (Ge) Landmasch.-Markt 43(13):824-825. June 25,1964. 58.8 L239
- 95734 MANISOR, G. New equipment used in zootech-nique. (Rum) Rev. de Zooteh. si Med. Vet. 13 (10):37-41. Oct.1963. 49 P943
- 95735 MAUGHAN, G. L. Mechanization of spring work in sugar beet fields. (Da) Dyrker-Nyt 27:403-406. Mar.1964. 66.8 D99  
England.
- 95736 MAWBY, M. E. Spring mechanization in the fens. Brit. Sugar Beet Rev. 32(4):183-185. June 1964. 66.8 B77
- 95737 MENGELE, A. Agricultural equipment indus-try and agriculture: partners also for the fu-ture. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(22):812-813. May 28,1964. 18 N39
- 95738 MILTENBURG, H. J. M. VAN. Forms of co-operation in the use of farm implements. I. (Du) Landbouwmecanisatie 15(2):157-161. Feb.1964. 58.8 L2352  
English summary.
- 95739 MOREL, R., and MERCY, M. An example of mechanization of agriculture in Central Africa--the Cooperatives d'Utilization de Materiel Agri-cole at Grimari. (Fr) Mach. Agr. Trop. 5:17-42. Jan./Mar.1964. 58.8 M186  
English summary.
- 95740 MOTT, R. H., and BLACKSTONE, J. B. Guided cultivators, thinners and other row crop equip-ment. Holly Agr. News 12(2):21-23. Summer 1964. 66.8 H72  
Sugar beets.
- 95741 NAKAMURA, T. Labor saving poultry raising and mechanization. (Ja) Niwatori-no-Kenkyu 39(3):50-57. Mar.1964. 47.8 N64
- 95742 NOWACKI, H. Training professional staff for the need of mechanization and rural architec-ture in Poznan province. (Pol) Nowe Roln. 13 (3):44-45. Feb.1/15,1964. 20.5 N86
- 95743 OW, R. VON. Test experiment with plastic bearings. (Ge) Grundlagen der Landtech. 19: 24-26. 1964. 58.8 G92  
On equipment.
- 95744 PHELPS, A. How the British automate laying cage operations. Poultry Internatl. 2(2):36-38. Apr.1963. 47.8 P8698
- 95745 PICHUGIN, N. The economic effectiveness of complete mechanization. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:26-30. 1964. 20 M57
- 95746 PINTER, GY. Some problems in mechanization of collective farming and the development of socialistic ownership forms. (Hu) Szovjet Tapasztalatok a Magyar Mezogazdasagban 1: 72-87. 1962? 19 Sz5
- 95747 POSTUMA, H., and COOLMAN, F. Some im-pressions on the mechanization of agriculture in the United States of America. I. (Du) Land-bouwmecanisatie 15(2):128-134. Feb.1964. 58.8 L2352
- 95748 RASMUSSEN, A. Accidents on fur farms. (Da) Dansk Pelsdyravl 27(5):297. May 20,1964. 412.628 D23
- 95749 ROLLINS, H. A. Automation for our fruits. Mountaineer Grower 34(251):24-27. Apr.1964. 30 M86  
Mechanization of apple production.
- 95750 SCHLUTER, A. Farm equipment industry and agriculture. (Ge) Tech. u. Landwirt. 16(10/11):268-270. May 25,1964. 58.8 T223
- 95751 SMITH, H. P. Farm machinery and equipment. Ed. 5. New York, 1964. 519 p. (McGraw-Hill Publications in Agricultural Engineering) 58 Sm5
- 95752 STUART, E. Animal husbandry and accidents. (Sw) Lantbrukstjanstemannen 46(1):10-12. Jan.1964. 11 L295
- 95753 TAUSENDFREUND, R. Experiences in equip-ping a pasture combine. (Ge) Tierzucht 18(2): 91-96, map. Feb.1964. 49 T443
- 95754 TOTTH, J. How to reduce work accumulation in summer. (Hu) Magyar Mezogazdasag 19 (24):6-7. June 10,1964. 19 M27  
In relation to mechanization.
- 95755 U. S. DEPT. OF AGRICULTURE. FARM EQUIPMENT AND STRUCTURES RESEARCH ADVISORY COMMITTEE. Report and recom-mendations of the eighth meeting, Phoenix and Tucson, 1963. Washington, U. S. Agr. Res. Serv., 1963. 12 p. A58.9 R312
- 95756 WANG, J. H. Conscientiously carry into effect the rules for machine construction. (Ch) Non-gye Jixie Jishu 8:10-11. Aug.1963. 58.8 N922
- 95757 WILSON, A. Mechanization of the dairy in-dustry in Great Britain. (Sp) Tierra [Mexico] 18(12):935,984. Dec.1963. 8 T445
- 95758 WOZNIAK, W. An attempt to evaluate the work of some types of machinery on large farms. (Pol) Nowe Roln. 13(2):20-23. Jan.16/31, 1964. 20.5 N86
- 95759 WRIGHT, H. E. Safety in machinery operation. Ontario. Dept. Agr. P. 220, rev., 8 p. Oct.1963. 7 On8P
- 95760 YAMANAKA, I. Views on mechanization of poultry raising. (Ja) Niwatori-no-Kenkyu 38 (12):38-40. Dec.1963. 47.8 N64
- 95761 ZIMMERMAN, M. Multiple-use equipment: high-clearance units. (Sp) Agr. de las Amer. 13(4):66-67. Apr.1964. 58.8 Ag832
- 95762 ZUSMANOVICH, G. Increase of the effective-ness of utilization and repair of agricultural machines in countries members of the Council for Mutual Economic Assistance. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:9-13. 1964. 20 M57

#### Animal Husbandry Equipment

- 95763 ANNIBALDI, S. Notes on the sanitary treat-ment of a large milking plant. I. (It) Latte 38 (3):245-250. Ref. Mar.1964. 44.8 L35



- 95764 APERDANNIER. Mechanized feeding in the swine stall—an example from Sweden. (Ge) Tierzuchter 16(5):171. Mar.5,1964. 49 T445
- 95765 BENDERS, G. A. The feeding of silage with the manure spreader. (Du) Landbouwmecanisatie 15(2):151-153. Feb.1964. 58.8 L2352 English summary. Cattle.
- 95766 BOCKELMANN, I. VON. Equipment, man and milk sanitation. (Sw) Mjolkpropagandan 41(3):54-55. 1964. 44.8 M692
- 95767 CERSOVSKY, H., and NEUBERT, S. Pasture central with the pipeline milking plant for 120 cows—in economics of dairying point of view. (Ge) Tierzucht 17(11):502-506. Ref. Nov.1963. 49 T443
- 95768 CHAFFRAY, J. Possibilities and problems presented by the use of mechanization and by automation in the feeding of swine. (Fr) (Sum) Porc 34(10):43-45,47-49. Nov.1963. 46.8 P822
- 95769 CLOSE, P. Feeding hay. West. Horseman 29(5):97,178-179. May 1964. 42.8 W522 Feeders for horses.
- 95770 COLE-MORGAN, J. A. Wide range of dairy farm machinery. Agrifin 3(3):18-20. July/Oct. 1963. 284.28 Ag8 Milking equipment in Great Britain.
- 95771 DEDINI, U. Even in aviculture plastic materials find increasing application; cages of Moplen. (It) Avicoltura 33(2):117-125. Feb.1964. 47.8 R523
- 95772 EDGOOSE, H. P. Choking pulsators. Dairy-farming Digest 10(5):2-4. Nov./Dec.1963. 44.8 D1443
- 95773 FERRUCCI, F. Cages of Moplen for raising laying hens. (It) Riv. di Zootec. 37(5):321-325. May 1964. 49 R52
- 95774 FUJITA, S. The labor saving operation of the automatic feeder. (Ja) Niwatori-no-Kenkyu 38(12):56-59. Dec.1963. 47.8 N64
- 95775 GRIMM, K. Feed concentrate distribution on the milk stand. (Ge) Tierzuchter 16(11):423-425. June 5,1964. 49 T445 Equipment.
- 95776 GRIMM, K. Feed preparation, conveying, distribution and portioning. (Ge) DLZ—Deut. Landtech. Z. 15(7):476-480. (Concl.) July 1964. 58.8 T677 For livestock.
- 95777 GRIMM, K. Feed preparation—feed conveying—feed distribution—feed rationing. (Ge) Tierzuchter 16(1):13-15. Jan.5,1964. 49 T445 Equipment.
- 95778 HALVORSEN, E. Laying cage for hens. (No) Norsk Landbr. 8:24-25,29. Apr.17,1964. 11 N8122
- 95779 HASHINAGA, M. Toward the modernization of equipment; problems of the poultry raiser. (Ja) Japan Poultry J. 48(5):102-103. May 1963. 47.8 J27
- 95780 HESSELBACH, J. Milking equipments. (Ge) Landmasch.-Markt 43(14):888-889. July 9, 1964. 58.8 L239
- 95781 ISAGAWA, Y. The new poultry raising operations. 9. Improved facilities and the increase in the productivity of labor. (Ja) Niwatori-no-Kenkyu 38(12):168-173. Dec.1963. 47.8 N64 Equipment.
- 95782 KANAHARA, K. Raising poultry on a large scale and chick raising equipment. (Ja) Niwatori-no-Kenkyu 39(2):94-97. Feb.1964. 47.8 N64
- 95783 KELLER, The milking machine, a helper of the mountain pastures. (Ge) Auf der Alpe 15(8):61-64. (Cont.) Aug.1963. 18 Au3
- 95784 KETELAARS, E. H., and VISSER, A. L. W. Observations on length of feed troughs and feeding machines, waterers and roll away nests. (Du) Veeteelt en Zuivelber. 7(3):129-138. Mar.1964. 49 V51 Poultry.
- 95785 LELAND ELAM, F. The latest on preincubation fumigation. Turkey World 38(12):64-68, 70. Dec.1963. 47.38 T84
- 95786 MAXA, R. The use of modern milking equipment as prerequisite of milking efficiency. (Ge) Forderungsdienst 12(4):117-123. Apr. 1964. 19 F75 Austria.
- 95787 MEIN, G. A. Clean machines for quality milk. Dairyfarming Digest 11(1):11-13. Jan./Feb. 1964. 44.8 D1443
- 95788 MEIN, G. A. Tin-nickel alloy in milking machines. Dairyfarming Digest 10(5):21-22. Nov./Dec.1963. 44.8 D1443
- 95789 PETERSEN, P. W. Electric brooding of farm animals. Utah. Agr. Expt. Sta. Farm Electrification 28,4 p. Winter 1962/63. 335.9 Utl Electric heating.
- 95790 PONGRACZ, K. Chick and poultry watering equipments. (Hu) Baromfitenyesztes 8(6):18-19. June 1964. 47.8 B262
- 95791 RASMUSSEN, A. Safeguards for equipment on fur farms. (Da) Dansk Pelsdyravl 27(4):249-251. Apr.20,1964. 412.628 D23 Feeding equipment.
- 95792 SAINSBURY, D. W. B. Site with care. Pig Farming 12(3):47-49. Mar.1964. 46.8 P623 Watering equipment.
- 95793 SHIBATA, T. The "red pile" chick raising method. (Ja) Keiyu 12:170-179. Dec.1963. 47.8 K26 Use of infrared rays in brooders for heat and disinfection of litter.
- 95794 SHIMAGAWA, E. On the prevention of feed waste. (Ja) Niwatori-no-Kenkyu 39(5):162-166. May 1964. 47.8 N64 Feeders for poultry.
- 95795 SINGLEY, M. E. An experimental self-feeding livestock farm. Amer. Soc. Agr. Engin. Trans. ASAE 7(2):102-104,107. 1964. 290.9 Am32T Fiddlers Creek Farm Research Project.
- 95796 SIN'KOV, I. New features in the organization of machine milking of cows. (Rus) Tekh. v Sel'sk. Khoz. 5:27-29. May 1964. 58.8 M11
- 95797 SMITH, B. W. New watering system is step towards automation of ranch. U. S. Fur Rancher 43(6):6,26. July 1964. 412.629 Am3M Minks.
- 95798 YOKOYAMA, H. The use of infrared electric heating for raising chicks. (Ja) Niwatori-no-Kenkyu 39(3):140-145. Mar.1964. 47.8 N64

#### Cultivation and Tillage Equipment

- 95799 BAGANZ, K. Tests of cultivators of potatoes on heavy soils. (Rus) Mezhdunarod. Sel'skoko- khoz. Zhur. 2:68. 1964. 20 M57 East Germany.
- 95800 BERNACKI, H. The problem of plowing speed. p.80-101. (OTS 60-21569) 33.32 R59 Translation from Roczniki Nauk Rolniczych. Seria C 67(3):357-381. 1958.
- 95801 BERNACKI, H. The problem of stability of mounted implements. p.102-182. Ref. (OTS 60-21569) 33.32 R59 Tillage equipment on tractors. Translation from Roczniki Nauk Rolniczych. Seria C 67(4):419-509. 1960.
- 95802 BERNER, U. Types and nomenclature of plows. (Ge) Z. f. Agrargesch. u. Agrarsoziol. 11(1): 1-24. Ref. Apr.1963. 30.98 Z3
- 95803 BLAKE, G. R. Minimum tillage: soil cultivation, tillage and care with minimum expense and without decrease in yield. (Ge) Grundlagen der Landtech. 19:5-10. Ref. 1964. 58.8 G92 Equipment and methods in the U.S.
- 95804 DOLGIL, L. Cultivator-hoe. (Rus) Tekh. v Sel'sk. Khoz. 5:58-59. May 1964. 58.8 M11
- 95805 ELLIS, S. J. P., and ROBERTSON, A. O. Repair your mouldboard plough single-handedly. Farming So. Africa 40(2):18-19,21,23. May 1964. 24 So842
- 95806 FANG, C. Y. The use of the animal powered weeding machine. (Ch) Chung Kuo Nung Pao 9: 35-36. Sept.1963. 22.5 C473

- 95807 FEUERLEIN, W. Straw and the plough. World Ploughing Contest. Off. Handb. 11:29-30,32-33. 1963. 53.9 W892  
Equipment for mulching of straw.
- 95808 FEUERLEIN, W. Straw mulching following combining. (Ge) Landtechnik 19(13):506,508-510. July 1, 1964. 58.8 L235  
Equipment.
- 95809 HAASE, H. Equipment for soil cultivation. (Ge) Landmasch.-Markt 43(14):917-920. July 9, 1964. 58.8 L239
- 95810 HALLIGER, L. Situation of the rolling technique in the equipment construction and developmental trends. (Ge) Grundlagen der Landtech. 19:27-33. 1964. 58.8 G92
- 95811 KNOWLES, W. D. Beating the stones. Brit. Sugar Beet Rev. 32(4):195-196. June 1964. 66.8 B77  
Tillage equipment.
- 95812 LARSON, L. W. Try plowing with a level tractor. Doane's 27(5):17-18. Feb.8, 1964. 281.8 D652
- 95813 MECHANIZATION of interrow cultivation of cotton stands. (Rus) Khlopkovodstvo 5:45-49. May 1964. 72.8 K522
- 95814 ORZECOWSKI, J. Comparative criteria for evaluation of plow bodies working on slopes. (Pol) Warsaw. Inst. Melior. i Uzytkow Zielenych. Wiad. 3(4):125-136. Ref. 1963. 54.9 W262W
- 95815 PLOWING without supervision. (Ge) Tech. u. Landwirt. 16(10/11):250,252. May 25, 1964. 58.8 T223
- 95816 SDOBNIKOV, S. S. Use and regulation of disc plows. (Rus) Zemledelie 2:35-40. Feb. 1964. 20 Z44
- 95817 SOHNE, W. Work process with the rod wire harrow. (Ge) Grundlagen der Landtech. 19:65-66. 1964. 58.8 G92
- 95818 SVETLICHNYI, V., and LEBEDIK, A. Improvement of machines for the cultivation of sugar beets. (Rus) Tekh. v Sel'sk. Khoz. 5:10-15. May 1964. 58.8 M11  
Includes herbicides application and harvesting equipment.
- 95819 T'EN, T. H. Improvements in the cast iron plow. (Ch) Nongye Jixie Jishu 8:16. Aug. 1963. 58.8 N922
- 95820 TOMESCU, D., MITROI, K., and MIHAI, P. Increasing wear and tear of ploughshares. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:93-96. 1964. 20 M57
- 95821 WANG, C. I. The suspended style seven blade plow. (Ch) Nongye Jixie Jishu 8:14-15. Aug. 1963. 58.8 N922
- 95822 WEBB, D. J., and HARBORD, R. F. Aquatic weed control. 2. In British Guiana; a mechanical cleaner for transport canals. Span 7(1):40-41. 1964. 464.8 Sp2
- 95823 ZELTWANGER, E. D. Combined cushion and trip-beam plow. Amer. Soc. Agr. Engin. Trans. ASAE 7(2):128-129. 1964. 290.9 Am32T
- 95824 ZHIVCHIKOV, N. Timely control of cabbage weeds. (Rus) Kartoffel' i Ovoshchi 5:28-29. May 1964. 75.8 K147  
Cultivator-weeders.
- Fertilizing and Planting Equipment
- 95825 AKESSON, N. B., and YATES, W. E. Airplane application of bulk fertilizer. Amer. Soc. Agr. Engin. Trans. ASAE 7(2):137-141. 1964. 290.9 Am32T
- 95826 CHANG, M. The mechanized production of directly sown paddy rice. (Ch) Nongye Jixie Jishu 8:2-5. Aug. 1963. 58.8 N922
- 95827 CONNOLLY, C. Water-suspension planter. Ohio Veg. & Potato Growers Assoc. Growers Handb. & Annu. Proc. 49:104-105. 1964. 75.9 Oh3  
Seeds.
- 95828 ERMAKOV, YU. V. Selective seeders. (Rus) Selekt. i Semen. 2:19-24. Mar./Apr. 1964. 61.9 Se5
- 95829 KASBERG, N. E. Should one rent or buy fertilizer spreaders? (Sw) Lantmannen 75(6):150-151. Feb.8, 1964. 11 L234  
Cost.
- 95830 MOISEEV, N. F. Machines for spreading fertilizers and for the control of pests and diseases of grapes. (Rus) Vinodel. i Vinograd. SSSR 2:46-52. 1964. 95.8 V77
- 95831 MORDUKHOVICH, A. Operational adjustments of fertilizer distributors. (Rus) Tekh. v Sel'sk. Khoz. 5:47-51. May 1964. 58.8 M11
- 95832 MULLER, W. Novelties for sowing and planting. (Ge) Landmasch.-Markt 43(14):915-917. July 9, 1964. 58.8 L239
- 95833 NILSSON, A. S. Use the centrifugal spreader the right way. (Sw) Lantmannen 75(3):82-83. Jan.18, 1964. 11 L234  
Fertilizer application.
- 95834 POLONETSKII, S., and OREKHOV, N. Fertilizer and herbicide applicators. (Rus) Tekh. v Sel'sk. Khoz. 5:80-83. May 1964. 58.8 M11
- 95835 SEMENOV, A., TSUKANOV, YU., and PANCHESHENKO, A. Application of fertilizers in clusters. (Rus) Tekh. v Sel'sk. Khoz. 5:20-21. May 1964. 58.8 M11  
Superphosphates applied simultaneously with planting corn in clusters.
- 95836 SHCHERBINA, P., and VELICHKO, N. Machines for post-harvest planting. (Rus) Tekh. v Sel'sk. Khoz. 5:39-42. May 1964. 58.8 M11  
Corn.
- 95837 SHKIRKIN, G. G. Mechanization of the application of fertilizers. (Rus) Sadovodstvo 4:22-23. 1964. 80 Sa13  
Fruit.
- 95838 SKOL'ZAEV, V., and DOBACHEVSKII, P. Wide equipment for drill planting. (Rus) Tekh. v Sel'sk. Khoz. 5:18-20. May 1964. 58.8 M11  
Corn.
- 95839 SOLOGUB, D. Equipment for drill planting and interrow cultivation of corn. (Rus) Tekh. v Sel'sk. Khoz. 5:16-18. May 1964. 58.8 M11  
Designs.
- 95840 TRINCHENKO, I. Methods of planting vegetables in England. (Rus) Kartoffel' i Ovoshchi 5:46-47. May 1964. 75.8 K147  
Planting equipment.
- 95841 VANEYAN, S. Top dressing attachment to sprinkling and irrigation machines. (Rus) Tekh. v Sel'sk. Khoz. 5:32-35. May 1964. 58.8 M11  
Liquid fertilizer.
- Harvesting Equipment
- 95842 BARTLE, W. H. New machinery; mowers and scythes. Sports Turf Res. Inst. J. 11(39):29-44. 1963. 60.19 B772  
Turf maintenance.
- 95843 BURGSTALLER, E. The sickle as grain cutting tool in Upper Austria. (Ge) Z. f. Agrargesch. u. Agrarsoziol. 11(1):63-77, map. Ref. Apr. 1963. 30.98 Z3  
Historical.
- 95844 CAIN, D. Hay conditioners are quietly gaining acceptance. Doane's 27(14):20,22-23. May 8, 1964. 281.8 D652
- 95845 CHIANG, C. P., and CHANG, C. H. Experiments on accessories for the sorghum harvesting machine. (Ch) Nongye Jixie Jishu 8:4-6. Aug. 1963. 58.8 N922
- 95846 CONTIUS, H. Numerical considerations of the winch and threshing mechanism when threshing grass-seed carriers. (Ge) Deut. Agrartechn. 14(6):269-270. June 1964. 58.8 D482  
Combines.
- 95847 DOHNE, E. Transporting loose grain in combining. (Ge) Landtechnik 19(13):492-493. July 1, 1964. 58.8 L235
- 95848 DOUGLAS, A. G., BROOKS, O. L., and FARSH-TCHI, D. Variety, spacing and mechanical harvesting of cotton at the Southeast Georgia Branch Experiment Station, Midville, Georgia. Ga. Agr. Expt. Sta. B. (n.s.) 117, 25 p., map. June 1964. 100 G293B



- 95849 EICHHORN, H. Combine type tables. (Ge) Landtechnik 19(13):487-490. July 1, 1964. 58.8 L235
- 95850 EICHHORN, H. Use of combine in special cultures. (Ge) Landtechnik 19(13):476-479. July 1, 1964. 58.8 L235
- 95851 ESTLER, M. Corn harvesting with the combine. (Ge) Landtechnik 19(13):480,482,484. July 1, 1964. 58.8 L235
- 95852 FEHER, I. The role of two-phase harvesting and some technological solutions. (Hu) Magyar Mezogazdasag 19(25):7. June 17, 1964. 19 M27
- 95853 FEIFFER, P., and SCHOWTKA, A. Rapid determination of harvest losses—starting point for major loss reduction. (Ge) Deut. Agrartechn. 14(6):249-250. June 1964. 58.8 D482  
During mechanical harvesting of field crops.
- 95854 FEIFFER, R., BERGNER, W., and BOHM, A. Advance pulse control—possibility of complete loss reduction at the drum and oscillating devices. (Ge) Deut. Agrartechn. 14(6):257-261. June 1964. 58.8 D482  
Combines.
- 95855 GARCIA NIETO, M. Vibrator for olive harvesting. (Sp) Agricultura [Madrid] 33(385):287-289. May 1964. 15 Ag84
- 95856 GOTZ, W. Experiences in grain corn harvesting. (Ge) Tech. u. Landwirt. 16(10/11):259-262. May 25, 1964. 58.8 T223
- 95857 HALLERSTROM, B. Rengangstider for skorde-troskor [Cleaning time for combines]. Uppsala. Lantbrhogsk. Meddel. Ser. B, 3,12 p. 1964. 11 Up62M
- 95858 HALTRUP, K. B. Combines—combining. (Da) Tolvmandsbladet 36(6):276-279. June 1964. 11 T58
- 95859 HECHELMANN, H. G. The road to highly mechanized potato harvesting. (Ge) DLZ—Deut. Landtech. Z. 15(7):431-434. July 1964. 58.8 T677
- 95860 HEDDEN, S. L. Engineering problems in harvesting citrus fruits. Amer. Soc. Agr. Engin. Trans. ASAE 7(2):188-189. 1964. 290.9 Am32T
- 95861 HERRMANN, K. Developmental trends of mechanized grain harvesting with special reference to industrial method. (Ge) Deut. Agrartechn. 14(6):264-267. June 1964. 58.8 D482
- 95862 HILMERSEN, A. Undersokelser over hosting av gras til ensilering [Investigation of harvesting of grass for ensiling]. Vollebekk. Landbrtek. Inst. Orientering 16,44 p. Ref. 1963. 58.9 V88  
Equipment.
- 95863 ISSELSTEIN, R. Exchanges and markets for used combines. (Ge) Agros [Hannover] 3:33-35. Mar. 1964. 18 Ag83
- 95864 KAMMERLING, H. J. Tractors for combine work. (Ge) Landtechnik 19(13):473-475. July 1, 1964. 58.8 L235
- 95865 KARWOWSKI, T. Technological and constructional problems concerning mechanized harvesting of sugar beets. p.1-79. (OTS 60-21569) 33.32 R59  
Translation from Roczniki Nauk Rolniczych. Seria C 67(1):1-100. 1957.
- 95866 KIRK, I. W., HUDSPETH, E. B., and WANJURA, D. F. A broadcast and narrow-row cotton harvester. Tex. Agr. Expt. Sta. Prog. Rpt. 2311,4 p. May 7, 1964. 100 T31P  
U.S. Department of Agriculture, cooperating.
- 95867 KLARUP, J. Mechanical picking of black currants. (Da) Erhvervsfrugtavlere 31(7):248-249. July 1, 1964. 80 Er3
- 95868 KLAUSEN, K. G. Pick up balers. (Da) Landbonyt 18(1):15-18. Jan. 1964. 11 L2322
- 95869 KONING, K. DE. Combine harvesting and pick-up threshing of green peas for canning in England. (Du) Landbouwmecanisatie 15(2):165-170. Feb. 1964. 58.8 L2352  
English summary.
- 95870 KOVACS, M. Experiences in organization of harvesting. (Hu) Magyar Mezogazdasag 19(26):12-13. June 24, 1964. 19 M27  
Mechanization, chiefly.
- 95871 KURUCZ, GY. Collecting the combined straw. I. (Hu) Magyar Mezogazdasag 19(26):14-15. June 24, 1964. 19 M27  
Baling, chiefly.
- 95872 KURUCZ, GY. One-or two-phase harvesting of grain. (Hu) Magyar Mezogazdasag 19(24):4-6. June 10, 1964. 19 M27  
Mechanical.
- 95873 LUDEMANN, H. Machines and equipments for grain harvesting. (Ge) Landmasch.-Markt 43(14):880,882,884. July 9, 1964. 58.8 L239
- 95874 MAJKUTH, J. Harvester-threshers for green forage. (Hu) Magyar Mezogazdasag 19(23):8-9. June 3, 1964. 19 M27
- 95875 MAJKUTH, J. Organization of the mechanical harvesting work of grain. (Hu) Magyar Mezo-gazdasag 19(26):3-5. June 24, 1964. 19 M27
- 95876 MECHANIZED harvesting of pea. (Hu) Magyar Mezogazdasag 19(24):22. June 10, 1964. 19 M27
- 95877 PAI, C. Y. The new technique of corn harvesting in the Soviet Union. (Ch) Nongye Jixie Jishu 8:22-24. Aug. 1963. 58.8 N922  
Equipment.
- 95878 PETERSEN, H. J. Combines for grass seed harvesting. (Da) Dansk Landbr. 83(6):163-165. June 1964. 280.28 V91
- 95879 PETERSEN, J. H. Do you buy cutting width or threshing performance? (Da) Sammenslutningen 17(3):579-581. Mar. 1964. 11 Sa46  
Types of combines on the Danish market.
- 95880 SCHOENLEBER, L. G., and BOUSE, L. F. Mechanized harvesting of castor beans. Amer. Soc. Agr. Engin. Trans. ASAE 7(2):97-99,101, map. 1964. 290.9 Am32T
- 95881 STECKHAN, D. Machines and equipment for forage harvesting. (Ge) Landmasch.-Markt 43(14):884,886-888. July 9, 1964. 58.8 L239
- 95882 STECKHAN, D. Straw baling following combining. (Ge) Landtechnik 19(13):511-513. July 1, 1964. 58.8 L235  
Equipment.
- 95883 SZABO, M. Rational mowing of seed lucerne. (Hu) Magyar Mezogazdasag 19(21):7. May 20, 1964. 19 M27
- 95884 TISCHLER, M. Combine-like solutions. (Hu) Magyar Mezogazdasag 19(26):10-11. June 24, 1964. 19 M27
- 95885 VAMOSI, J. Harvesting of lucerne hay. (Hu) Magyar Mezogazdasag 19(20):8-9. May 13, 1964. 19 M27  
Includes equipment.
- 95886 VENER, I., and KOLTAY, J. Preparation for harvesting. I-II. (Hu) Magyar Mezogazdasag 19(22):9-10. May 27, 1964. 19 M27  
Grain harvesting equipment.
- 95887 VOGEL, G. One hundred thousand combines—an economic management observation. (Ge) Landtechnik 19(13):470-473. July 1, 1964. 58.8 L235
- 95888 WRIGHT, C. B. A mower tray for seed harvesting. Power Farming Austral. & New Zeal. & Better Farming Digest 73(6):19,21. June 1964. 58.8 P87

#### Land Clearing Equipment

- 95889 PIERANTONI, P. Some note on tractor shovel. (It) Trattorista 10(11/12):254-255. June 15/30, 1964. 58.8 T69  
Land clearing.
- 95890 RIESS, H. For soil improvement, stone removing machine? (Ge) Tech. u. Landwirt. 16(10/11):266. May 25, 1964. 58.8 T223

#### Processing Equipment Used on the Farm

- 95891 ANIANSSON, G., and NOREN, O. Drying with unheated air; a Swedish approach to low-cost harvesting. Span 7(1):42-44. 1964. 464.8 Sp2  
Hay and grain.
- 95892 BANERJEE, A. K. Maintenance of cream separators. Indian Dairymen 16(4):139,141-142. Apr. 1964. 44.8 In282
- 95893 BECKHOFF, J. Quality silage production by not simplifying silage preparation. (Ge) Tierzucht 16(11):422-423. June 5, 1964. 49 T445

- 95894 BOGUSLAWSKI, F., SOLTAN, M., and BARTOSIK, A. Mechanization of feed preparation in piggeries. (Pol) Przegl. Hodowlany 31(2/3): 3-6. Feb./Mar.1963. 49 P952  
Chiefly equipment.
- 95895 BOLONI, I. The required power input of hammer mills. Acta Tech. 45(3/4):327-344. Ref. 1964. 475 Ac84
- 95896 BULATOV, YA. P., and KRUGLIKOV, B. P. Device for grinding coarse feed. (Rus) Veterinariya 3:102. Mar.1964. 41.8 V6426
- 95897 FLEMING, I. K. Methods study cut feeding-stuffs handling costs. Pract. Power Farming 33(1):39,41. July 1964. 58.8 P872  
Equipment.
- 95898 FREIHERR, H. Drying of grain. (Ge) Landtechnik 19(13):500-504. July 1,1964. 58.8 L235
- 95899 GLASOW, W. Airing and drying of hay. (Ge) Landmasch.-Markt 43(13):898-899. July 9, 1964. 58.8 L239
- 95900 HARTLEY, J. H. Do you know what haying costs? Doane's 27(20):23-25. July 8,1964. 281.8 D652
- 95901 KOMPANISHCHENKO, L. Vat for cooling milk on farm. (Rus) Moloch. Promysh. 1:27-30. Jan.1964. 44.8 M734
- 95902 LIPATOV, N. N. Molokochistiteli [Milk processing equipment]. Moskva, Mashgiz, 1963. 167 p. Ref. 44 L66M  
Cream separators and centrifuges.
- 95903 MCFATE, K. L. Which mill for your processing system? Mo. Agr. Col. Ext. C. 796,8 p. Feb.1963. 275.29 M69C  
Feed mills on the farm.
- 95904 MENTLER, L. Modern silage making. (Hu) Buvar 8(4):204-207. July/Aug.1963. 410 B98
- 95905 MINSON, D. J. Conserved pasture; quantities and qualities. Massey Agr. Col. Dairyfarming Annu. 1963:127-134. 44.9 M382  
Hay and silage preparation.  
Includes discussion.
- 95906 SUSHKO, I. Preparation of feed with yeasts. (Rus) Tekh. v Sel'sk. Khoz. 5:30-31. May 1964. 58.8 M11
- 95907 VOORDE, J. A. VAN DER. Hay drying in the barn by means of warm air. (Fr) Rev. de l'Agr. 17(4):441-463. Apr.1964. 13 R322  
English summary.
- 95908 WARBOYS, I. B. Climatic factors in the development of local grass conservation techniques. Aberystwyth. U. Col. Wales. Dept. Geog. Memo. 6:30-43. Ref. 1963,pub.1964. 501 Ab3  
Drying in the field.
- 95909 WHITTLESTONE, W. G. The role of tin nickel alloy plating in dairy hygiene. Milk Bd. J. 15 (4):24-29,31. Apr.1964. 44.8 M5934  
Milk handling equipment on the farm.
- 95910 ZIHLMANN, F. Hay drying. (Ge) Traktor u. die Landmasch. 26(8):545-552. (Cont.) June 1964. 58.8 T678Ag  
Equipment.
- 95916 SHEVELUKHA, V., and CHERTKOV, E. Improvement in storage and stock-taking of spare parts. (Rus) Tekh. v Sel'sk. Khoz. 5:72-73. May 1964. 58.8 M11  
Equipment and tractors.
- 95917 TAIGANIDES, E. P. Anaerobic digestion of poultry manure. World's Poultry Sci. J. 19(4): 252-261. Ref. Oct./Dec.1963. 47.8 W89
- 95918 TAIGANIDES, E. P., and others. Properties and pumping characteristics of hog wastes. Amer. Soc. Agr. Engin. Trans. ASAE 7(2):123-124,127,129. 1964. 290.9 Am32T  
T. E. Hazen, E. R. Baumann, and H. P. Johnson, joint authors.  
Manure handling and disposal.
- 95919 WOESTE, H. D. The selection for rational stable manure removal. (Ge) Landmasch.-Markt 43(14):912-915. July 9,1964. 58.8 L239  
Equipment.

#### Spraying and Dusting Equipment

- 95920 BELYAEV, A. Machines for spraying field crops with herbicides. (Rus) Kartofel' i Ovo-shchi 5:22-23. May 1964. 75.8 K147
- 95921 CUILLE, J. Aerial spraying of Cercospora musae in banana culture. (Fr) Mach. Agr. Trop. 5:5-9. Jan./Mar.1964. 58.8 M186  
English summary.
- 95922 HAYAKAWA, C. A monorail type sprayer for orange orchards. (Ja) Kajitsu Nippon 19(1): 70-72. Jan.1964. 80 K122
- 95923 HOGAN, W. D. The development of an under-tree herbicide applicator for Florida citrus. South. Weed Conf. Proc., 17th Annu. Mtg.:215-216. 1964. 79.9 So8
- 95924 JESKE, A. Modern machines and equipment for plant protection and possibilities of their application on the large socialist farm. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(4):159-163. Apr.1964. 18 W763
- 95925 KAHL, E. Care and maintenance of plant protection equipment prevents accidents. (Ge) Pflanzenarzt 17(1):5-6. Jan.1,1964. 464.9 P482
- 95926 KAUPKE, C. R. Equipment and application techniques for soil incorporation of herbicides. Calif. Weed Conf. Proc., 16th Annu. Conf.:75-77. 1964. 79.9 C122
- 95927 LADONIN, V. F., and VOITOV, P. I. Gerbitsidy i mekhanizatsiya ikh vneseniya; posobie dlya agrokhimicheskogo vseobucha [Herbicides and the mechanization of their application; manual for agrochemical compulsory education]. Moskva, Rossel'khozizdat, 1964. 127 p. 79 L12
- 95928 NORDBY, A. Plantervernuststyr stell og bruk [Plant protection equipment; care and use]. Norway. Landbrdept. Opplysningstjenesten. Smaskr. 6,12 p. 1963. 464.4 N83  
Sprayers, chiefly.
- 95929 WATWOOD, R. P. A commercial operator's view of weed control equipment. Calif. Weed Conf. Proc., 16th Annu. Conf.:87-90. 1964. 79.9 C122  
Sprayers and soil incorporators.
- 95930 WOOTEN, O. B. Equipment for application of herbicides. South. Weed Conf. Proc., 17th Annu. Mtg.:38-42. 1964. 79.9 So8

#### Repair, Maintenance, and Construction Equipment

- 95911 CZERWINSKI, J. Organization of repairs of technical equipment on large farms and its costs. (Pol) Nowe Roln. 13(3):13-16. Feb.1/15,1964. 20.5 N86
- 95912 FEIGIN, I. New tools kit. (Rus) Tekh. v Sel'sk. Khoz. 5:69-71. May 1964. 58.8 M11
- 95913 FOLTINEK, H. Mechanization of manure removal in the cattle stall. (Ge) Forderungsdienst 12(4):123-129. Apr.1964. 19 F75  
Austria.
- 95914 LEME, H. DE A. Oiling of agricultural machinery-lubricants. (Por) Rural 44(513):2. Jan. 1964. 9.2 B733
- 95915 MANIECKI, F. Removal of manure in stall cattle barns. (Pol) Nowe Roln. 12(19):46-49. Oct.1/15,1963. 20.5 N86  
Includes equipment.

#### Vehicles

- 95931 AUSTRALIA. BUR. OF CENSUS AND STATISTICS. Statistical bulletin: tractors on rural holdings: Australia, March 1962. Canberra, 1963. 1 p. 271 Au72Str
- 95932 BAILLIE, W. E., and MILLER, R. W. R. Tractor safety. Power Farming Austral. & New Zeal. & Better Farming Digest 73(6):17,95. June 1964. 58.8 P87
- 95933 BLACK, R. Home-made forecarriage helps move trailers and implements. Power Farming Austral. & New Zeal. & Better Farming Digest 73(6):47. June 1964. 58.8 P87



- 95934 BRUNOLI, A. Is the day here for ideal seat? (It) Trattorista 10(11/12):248-251. June 15/30, 1964. 58.8 T69  
On tractors.
- 95935 CROITORU, I. I., and ONCIU, V. Wagon for mechanized transportation of cattle in the artificial insemination center. (Rum) Rev. de Zooteh. si Med. Vet. 14(2):82-85. Feb. 1964. 49 P943
- 95936 GONCZI, I., and KOZMA, A. Use of tractive power and its effectiveness in agricultural co-operatives in the comitat of Hajdu-Bihar. (Hu) Magyar Mezogazdasag 19(19):8-9. May 6, 1964. 19 M27  
Comparison of tractor and animal-drawn equipment.
- 95937 LARSON, L. H. Cost per hour tells you when to trade. Doane's 27(14):16-17. May 8, 1964. 281.8 D652  
Tractors and trucks.
- 95938 LARSON, L. H. What's the best traction buy? Doane's 27(11):36-37. Apr. 8, 1964. 281.8 D652
- 95939 LAZAREV, A., and NALETOV, K. Spare parts for repair of tractor motors. (Rus) Tekh. v Sel'sk. Khoz. 5:62-65. May 1964. 58.8 M11
- 95940 LONG, M. E. Important data: what you should know about batteries. (Sp) Agr. de las Amer. 13(6):40-42. June 1964. 58.8 Ag832  
For tractors.
- 95941 METZENTHIN, W. Evaluation of work technique of one-men operation in changing tractor mounted equipments. (Ge) Grundlagen der Landtech. 19:18-24. 1964. 58.8 G92  
Includes hitches.
- 95942 MUN'KO, N. P. Economic effectiveness of converting tractors to gas fuel. (Rus) Khlopkovodstvo 4:11-14. Apr. 1964. 72.8 K522  
Costs and returns.
- 95943 NAUCK, A. K. Tractor care means keeping its value. (Ge) Tech. u. Landwirt. 16(12):297-298. June 25, 1964. 58.8 T223
- 95944 PEDERSEN, H. Row space and width of tracks. (Da) Dyrker-Nyt 27:418-420. Mar. 1964. 66.8 D99  
Of tractor.
- 95945 RABITSCH, J. Modern transportation equipment and conveyors. (Ge) Landmasch.-Markt 43(14):908-911. July 9, 1964. 58.8 L239  
On the farm.
- 95946 SARTI, M., and EVANGELISTI, A. Maintenance of electrical equipment. (It) Trattorista 10(11/12):243-247. June 15/30, 1964. 58.8 T69  
On tractors.
- 95947 SCHUNKE, U., and DIETRICH, H. Infinitely variable transmission for tractor operation—yes or no? (Ge) Tech. u. Landwirt. 16(12):286,288-293. June 25, 1964. 58.8 T223
- 95948 SCHUNKE, U. Travelling speed and demands of men in one- and two men work with tractor mounted equipments. (Ge) Grundlagen der Landtech. 19:11-18. Ref. 1964. 58.8 G92
- 95949 SCHWEIZERISCHER TRAKTORVERBAND. Report of activities from July 1, 1962 to June 30, 1963. (Ge) Traktor u. die Landmasch. 26(7):460-467. (Cont.) May 1964. 58.8 T678Ag
- 95950 SIEG, R. Problems in safety against tractor overturning. (Ge) Traktor u. die Landmasch. 26(7):431-436; (8):525-257. May-June 1964. 58.8 T678Ag
- 95951 SOUTHWELL, P. H. An investigation of traction and traction aids. Amer. Soc. Agr. Engin. Trans. ASAE 7(2):190-193. 1964. 290.9 Am32T  
Tractor operation.
- 95952 STEPANOV, M. Automation of mobile processes in agriculture. (Rus) Mezhduarod. Sel'Kskokhoz. Zhur. 2:108-112. 1964. 20 M57  
Chiefly tractor operations.
- 95953 SWIFT, M. Novel steering system for four-wheel-drive tractor. Indian Farm Mech. 15(1):6-7. Jan. 1964. 58.8 In2
- 95954 VOIT, I. Timely problems in organizing agricultural transportation. (Hu) Magyar Mezogazdasag 19(21):9-10. May 20, 1964. 19 M27
- 95955 WACLAWSKI, R. Some problems of contraction of tractors and machinery in farmers' circles. (Pol) Nowe Roln. 13(3):1-2. Feb. 1/15, 1964. 20.5 N86

- 95956 WAGENBACH, H. What to watch for in tractor purchasing? (Ge) Tech. u. Landwirt. 16(10/11):262-263. May 25, 1964. 58.8 T223
- 95957 WAN, H. J. The Soviet six ton track tractor. (Ch) Nongye Jixie Jishu 8:20-23. Aug. 1963. 58.8 N922
- 95958 WEILER, F. Transportation problems of grassland farms in valley and mountain districts. (Ge) Forderungsdienst 12(4):113-117. Apr. 1964. 19 F75  
Austria.

## FARM STRUCTURES AND RURAL HOUSING

- 95959 BALTZER, K. Building with prefabricated parts. (Ge) Landmasch.-Markt 43(14):896-899. July 9, 1964. 58.8 L239
- 95960 BALTZER, K. The function of economic buildings. (Ge) Bauen auf dem Lande 15(5):100,102, 104-105. May 1964. 296.8 Ar1  
Includes plans.
- 95961 BERGHOF, H. Building methods and farm building. (Du) CMC Melk 19(24):442-443,447. Apr. 4, 1964. 44.8 C11
- 95962 CAMPE, K. VON. Industrialized building even on the land? (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(22):832,834-835. May 28, 1964. 18 N39  
Construction methods.
- 95963 CAMPE, K. VON. Multiple purpose halls in light quick building type. (Ge) Bauen auf dem Lande 15(5):114-115. May 1964. 296.8 Ar1
- 95964 DIFFIDENTI, E. Economy of rural buildings. (It) Agr. d'Ital. 10(5):49-62. May 1964. 16 Ag8232  
Location, layout, size, and costs; and costs and returns of a grape growing and wine manufacture firm.
- 95965 ESMAY, M. L., and SEGERLIND, L. J. Human mechanics of ascending and descending stairways. Amer. Soc. Agr. Engin. Trans. ASAE 7(2):184-187. 1964. 290.9 Am32T  
Safety problems.
- 95966 GT. BRIT. AGRICULTURAL RESEARCH COUNCIL. A bibliography of farm buildings research. part VII, Miscellaneous items, 1st supplement, 1958-1961. London, 1964. 36 p. 241.4 G795
- 95967 HEUERMANN, E. Brick shed hall. (Ge) Bauen auf dem Lande 15(5):115. May 1964. 296.8 Ar1
- 95968 SCHOCH, R. To poverty belongs cleverness. (Ge) Tierzuchter 16(12):462. June 20, 1964. 49 T445  
Trends in modern farm buildings.

## Animal Shelters and Animal Service Buildings

- 95969 BALTZER, K. Optimal stall forms for cattle. (Ge) Tierzuchter 16(3):76,78. Feb. 5, 1964. 49 T445
- 95970 BARTOSIK, A., and STAROSTA, M. Milking barns. I. (Pol) Nowe Roln. 13(3):36-39. Feb. 1/15, 1964. 20.5 N86
- 95971 BRAGG, D. D. Improved poultry house environment; why?, cost?, return?, how?. Va. Polytech. Inst. Agr. Ext. B. 269, rev. 43 p. May 1964. 275.29 V81B  
Includes costs and returns.
- 95972 BROWN, A. L. Shearing shed design. So. Austral. J. Agr. 67(8):252-263. Mar. 1964. 23 So84
- 95973 BUCKLER, P. A farm building centre on the Royal showground. Pig Breeders' Gaz. 117:40-42. Apr. 1964. 46.8 N21
- 95974 COMBERG, Optimal stall climate in swine stalls. (Ge) Tierzuchter 16(7):229-231. Apr. 5, 1964. 49 T445
- 95975 CONSO, P. Slat floors in the pigpen. (It) Riv. di Zootec. 37(4):196-205. Apr. 1964. 49 R52
- 95976 ERNST, W. Lowering of baby pig losses and increasing labor productivity through combined farrowing stalls. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 4(12):558-561. Dec. 1963. 18 W763

- 95977 FALSE bottoms--which kinds are best? Amer. Fur Breeder 37(4):10-11. Apr.1964. 410 Am33 Mink cages.
- 95978 FEREBEE, D. C. How to select turkey nests. Turkey World 39(7):12-13. July 1964. 47.38 T84
- 95979 FJORKENSTAD, P. Efficiency has not stopped at the barn door. (No) Buskap og Avdratt 15(3):110-115. 1963. 49 B96 Construction.
- 95980 GONZALEZ PAGLIERE, S. The diagonal dairy barn. (Sp) Indus. Lech. 46(534/535):14-17. Jan./Feb.1964. 44.8 In26
- 95981 GRIGNANI, U. Closed and open stalls in the Po Valley. (It) Riv. di Zootec. 37(4):224-239. (Cont.) Apr.1964. 49 R52 For dairy cattle.
- 95982 GROW, O. Shelter and yards for laying and breeding ducks. Mag. Ducks & Geese 15(1):15-16. First Q.1964. 47.8 M27
- 95983 HAARTSEN, P. I. The ventilation of livestock buildings. II. (Du) Landbouwmecanisatie 15(2):139-146. Feb.1964. 58.8 L2352 English summary.
- 95984 HEINIG, W., and MEHLER, A. Standardization of construction parts for dairy cattle tie-in stalls. (Ge) Tierzucht 17(10):469-472. Oct. 1963. 49 T443
- 95985 HERBERT, J. Insulation boom gains momentum. Broiler Business 15(7):30-32,34-36. July 1964. 47.8 B782 Broiler housing.
- 95986 HERBERT, J. What's behind the insulation boom in broiler housing? Broiler Business 14(12):12-14. Dec.1963. 47.8 B782
- 95987 HIMMEL, U. Studies of various forms of keeping, in young bull fattening. (Ge) Tierzucht 17(11):496-499. Nov.1963. 49 T443
- 95988 HOFMANN, F., and HOLKE, R. Swine production testing and control on fattening farms. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 4(12):552-557. Dec.1963. 18 W763 Housing and weight gains and losses.
- 95989 HOLITSCHKE, H. New ventilation technique for swine pre-fattening stall. (Ge) Tierzucht 17(10):467-469. Oct.1963. 49 T443
- 95990 HOSONOYA, M. Raising pullets on the level by means of electrically heated floors. (Ja) Japan Poultry J. 48(10):102-104. Oct.1963. 47.8 J27
- 95991 HUHNER stellen Ansprüche an das Stallklima [Fowls place demands on stall climate]. Huhnerbrief 10,27 p. Oct.24,1962. 47.8 H87
- 95992 JAMES, P. I. D. An assessment of turkey housing systems. Turkeys 11(10):19-20. Oct. 1963. 47.38 T847
- 95993 JENSEN, P. H. Measurement of climate in chick housing. (Da) Slagtefjerkrae 2(10):162-165. May 31,1963. 47.8 SL1
- 95994 KONISHI, S. Building chicken houses in warm areas. (Ja) Japan Poultry J. 48(4):104-108. Apr.1963. 47.8 J27
- 95995 KOVACS, F. Veterinary and sanitary evaluation of methods of animal housing. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:81-84. 1964. 20 M57 Cattle; includes loose housing in Hungary.
- 95996 KRIEGHOFF, M. Suggestion for installation lighter roofs in open stalls of cattle. (Ge) Tierzucht 18(5):248-251. May 1964. 49 T443
- 95997 LENSCHOW, J., KAISER, R., and HEINRICH, K. H. Ten years of comparative studies on dairy cattle rearing in open loafing stalls and in closed tie-in stalls. (Ge) Arch. f. Tierzucht 7(2):155-170. Ref. 1964. 49 Ar23 English summary.
- 95998 McNAMARA, C. W. A herringbone shed doubled-up. Dairyfarming Digest 11(1):25-26. Jan./Feb.1964. 44.8 D1443
- 95999 MATSUI, H. The ventilation and insulation of poultry houses. (Ja) Niwatori-no-Kenkyu 38(12):94-99. Dec.1963. 47.8 N64
- 96000 MATTHES, E., and LINDNER, M. To the cow stall belongs a calving stall. (Ge) Tierzucht 18(2):83-86. Feb.1964. 49 T443
- 96001 MIYAGI, N. Essentials in cattle barn design. 1. (Ja) Dairyman 14(1):20-21. Jan.1964. 44.8 D1454
- 96002 MIYAGI, N. Essentials of cattle barn design. 2. (Ja) Dairyman 14(2):12-13. Feb.1964. 44.8 D1454
- 96003 MIYAJIMA, M. Building of swine houses and their facilities. (Ja) Keiyu 3:202-204,207-212. Mar.1964. 47.8 K26
- 96004 MORITA, T. Plans for poultry houses. (Ja) Niwatori-no-Kenkyu 38(11):130-133. Nov.1963. 47.8 N64
- 96005 MOYER, D. D. Better housing for greater efficiency. Turkey World 39(3):32,51-52. Mar.1964. 47.38 T84 Turkey brooder houses.
- 96006 MUSILLAMI, S. Loose housing in France; some realizations in Nivernais. (It) Riv. di Zootec. 36(5):285-296. May 1963. 49 R52 Cattle.
- 96007 NAVE, W. R., OLVER, E. F., and SHOVE, G. C. Effects of floor temperature and ventilation on swine in confinement. Amer. Soc. Agr. Engin. Trans. ASAE 7(2):108-110,113. 1964. 290.9 Am32T
- 96008 OTO, K. New poultry house fixtures. (Ja) Niwatori-no-Kenkyu 39(3):102-108. Mar.1964. 47.8 N64
- 96009 PAYNE, C. G. Heating and insulating turkey houses. Turkeys 11(10):22-23. Oct.1963. 47.38 T847
- 96010 PAYNE, C. G. Turkey housing developments. Pigs & Poultry 11(3):4,8. Jan.1964. 47.8 Ir4
- 96011 PEDERSEN, S. A good and inexpensive poultry house. (Da) Slagtefjerkrae 2(19):330-331. Oct.15,1963. 47.8 SL1
- 96012 PETKOV, G. Studies on the ventilation of type-poultry stalls for 5000 layers. (Bu) Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zookhig. Izv. 3:65-71. Ref. 1963. 41.9 B874 German summary.
- 96013 PHELPS, A. Outdoor rearing in Britain: new look for an old method. Poultry Internatl. 3(1):18,20,22. Jan.1964. 47.8 P6898 Open-air confinement compared to controlled environment.
- 96014 PHELPS, A. Warm floors for comfort. Pig Farming 12(6):40-41. June 1964. 46.8 P623
- 96015 RECK, J. Free rearing of chinchilla. (Ge) Deut. Pelztierzucht. 38(7):134-135. July 1, 1964. 412.628 D48 Fence enclosures.
- 96016 ROIG MIRO, J. The efficiency of installations for goslings. (Sp) Avicult. Tec. 14(11):541-542,545-547. Nov.1963. 47.8 Av57
- 96017 SAINSBURY, D. W. B. Choice--healthier and cheaper. Pig Farming 12(6):36,38-39,43. June 1964. 46.8 P623 Outdoor farrowing, with illustrations of farrowing houses.
- 96018 SAINSBURY, D. W. B. Restrict to save. Pig Farming 12(2):43-45. Feb.1964. 46.8 P623 Farrowing crates.
- 96019 SAITO, T. Ventilation and poultry raising. (Ja) Japan Poultry J. 49(4):28-35. Apr.1964. 47.8 J27
- 96020 SASSE, D. B. Hardy loose fence for nutria. (Ge) Deut. Pelztierzucht. 38(6):107-108. June 1,1964. 412.628 D48
- 96021 SCHEELJE, R. Newly discovered in many farms--enclosed rearing of sheep. (Ge) Tierzuchter 16(11):419-420. June 5,1964. 49 T445 Fenced in pastures.
- 96022 SCHOLZ, K. Some problems in stall construction. (Ge) Tierzucht 18(2):68-69. Feb.1964. 49 T443
- 96023 SHARON, J. New 2-story hog center. Doane's 27(11):6-9. Apr.8,1964. 281.8 D652
- 96024 TAYLOR, H. New directions in layer housing and reasons for the choices. Feedstuffs 36(29):38-40. July 18,1964. 286.81 F322
- 96025 TOMCZIK, S. New type of shelter for loose housing of cows. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:102-103. 1964. 20 M57 Poland.



- 96026 UMETANI, M. Various aspects of windowless poultry houses. (Ja) Japan Poultry J. 49(4): 118-120, 125-127. Apr. 1964. 47.8 J27
- 96027 VARADY, B. Ventilation of poultry houses. (Hu) Baromfitenyesztes 8(6):10-11. June 1964. 47.8 B262
- 96028 VOLANTI, U. Let us take an observation on loose housing. (It) Gior. di Agr. 74(27):271. July 5, 1964. 16 It1G  
Cattle.
- 96029 VOORBURG, J. H. Housing of swine in Denmark. (Du) Veetelt en Zuivelber. 6(9):361-369. Sept. 1963. 49 V51
- 96030 WADA, S. Preparing for sudden cold waves. (Ja) Niwatori-no-Kenkyu 39(2):146-151. Feb. 1964. 47.8 N64  
Poultry housing construction.
- 96031 WAKEFIELD, P. The case for electric under-floor heating. Chicken 35:28-29, 31, 33. Nov./Dec. 1963. 47.8 B784
- 96032 WILSON, W. O. Controlled environment—next in housing. Canad. Poultry Rev. 87(11):53-54, 56. Nov. 1963. 47.8 C16
- 96033 WISE, J. Advice to beginners; house-training. Pig Farming 12(4):81. Apr. 1964. 46.8 P623
- 96034 YANO, H. The poultry houses used to raise broilers in America. (Ja) Japan Poultry J. 49(3):72-76, 79. Mar. 1964. 47.8 J27

#### Farmhouses and Farmsteads

- 96035 EITZEN, G. German housing research in the years 1953-1962. (Ge) Z. f. Agrargesch. u. Agrarsoziol. 11(2):213-233. Ref. Oct. 1963. 30.98 Z3
- 96036 MEYER, W. B. An educational project; remodeled ranch home. Tex. Agr. Prog. 10(3): 14-15. Summer 1964. 100 T31Te
- 96037 SKINNER, T. C., and HALL, R. H. Planning your home. Fla. U. Agr. Ext. B. 181, 76 p. June 1964. 275.29 F66  
Southern States.
- 96038 STUBBS, A. C. Guides for home planners. Tex. Agr. Prog. 10(3):12-13. Summer 1964. 100 T31Te
- 96039 TILING, H. VON. Living on the land. (Ge) Bauen auf dem Lande 15(5):106-110. May 1964. 296.8 Ar1  
Includes house layouts.

#### Greenhouses and Plant Service Buildings

- 96040 BOETZELAER, G. J. VAN. Transport in greenhouse culture. (Du) Groenten en Fruit 19(51):2252-2253. June 24, 1964. 80 G89
- 96041 CANHAM, A. E. An automatic shading system for glasshouses. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:261-269. 1962, pub. 1964. 90.09 C7616P  
Includes discussion.
- 96042 GEMEREN, P. VAN. Better greenhouse ventilation is required. (Du) Groenten en Fruit 19(51):2227-2229, 2231. June 24, 1964. 80 G89
- 96043 GEMEREN, P. VAN. There is still so much to mechanize. (Du) Groenten en Fruit 19(51): 2255, 2257, 2259, 2261, 2263. June 24, 1964. 80 G89  
In greenhouses.
- 96044 GROENEWEGEN, J. H. Greenhouse culture and greenhouse climate. XVI. (Du) Groenten en Fruit 19(51):2187. June 24, 1964. 80 G89  
Temperature.
- 96045 GROENEWEGEN, J. H. Greenhouse horticulture and greenhouse climate. XV. Ventilation. (Du) Groenten en Fruit 19(50):2149. June 17, 1964. 80 G89
- 96046 IZSAK, K. Roll-away greenhouse. (Hu) Mezo-gazdasagi Tech. 4(6):3-9. 1964. 58.8 M572
- 96047 LAWRENCE, W. J. C. Aspects of environmental control in glasshouses and growth rooms. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4: 277-282. 1962, pub. 1964. 90.09 C7616P  
Light and humidity control.

- 96048 LOS, G. J. The intensity and distribution of light in greenhouses. Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:216-219. 1962, pub. 1964. 90.09 C7616P
- 96049 MIRANDA, J. Installation of hydroponic cultures. (Fr) Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:308-312. 1962, pub. 1964. 90.09 C7616P  
In greenhouses and open air.
- 96050 NISEN, A. Calculation of natural light for horticultural structures. (Fr) Internatl. Hort. Cong. [Proc.], 16th Cong., v.4:283-289. 1962, pub. 1964. 90.09 C7616P
- 96051 SERDYUK, YA. YA. Underground thermal waters in service to agriculture. (Rus) Kolkhoz.-Sovkhoz. Proizvodstvo Tadzhikestana 4:40-44. Apr. 1964. 20 Se494
- 96052 SIVASHINSKII, I., and CHELISHCHEV, A. Effective organization of sheltered ground. (Rus) Kartofel' i Ovoshchi 5:18-19. May 1964. 75.8 K147  
Chiefly economic aspects of heating of greenhouses.
- 96053 TORFS, P. Plastic pipes for soil heating. (Fl) Tuinbouwberichten 28(2):71-72. Feb. 1964. 80 T817  
In greenhouses.
- 96054 ZOMER, G. W. Better heating of greenhouses. (Du) Groenten en Fruit 19(51):2195-2196. June 24, 1964. 80 G89

#### Materials and Methods

- 96055 ESMAY, M. L., and SEGERLIND, L. J. Analysis of frictional characteristics of stairway-tread covering materials. Amer. Soc. Agr. Engin. Trans. ASAE 7(2):180-183, 189. 1964. 290.9 Am32T
- 96056 FELTON, K. E., and BARTLETT, H. D. Punched-metal truss plates used in timber joints. Amer. Soc. Agr. Engin. Trans. ASAE 7(2):159-163. 1964. 290.9 Am32T  
In farm building construction.
- 96057 WOODHAMS, L. Plastics on the farm; new uses for the new materials. Pract. Power Farming 33(1):67, 69. July 1964. 58.8 P872  
Includes utilization in construction.

#### Storage Structures

- 96058 BAMBEY, C. R. A., and others. Conservation of the harvest in Senegal. (Fr) Mach. Agr. Trop. 5:10-16. Jan./Mar. 1964. 58.8 M186  
A. Bonlieu, R. Tourte, R. Nicou, and Toury, joint authors.  
English summary.  
Silo for storing local foodstuffs.
- 96059 MASTERS, J. R. Sugar beet storage on concrete bases. Brit. Sugar Beet Rev. 32(4):180-182. June 1964. 66.8 B77
- 96060 NEUBAUER, L. W., DOBIE, J. B., and CURLEY, R. G. Lateral pressure effects on hay wafer storage structures. Calif. Agr. 18(7):4-6. July 1964. 100 C12Cag
- 96061 WREDE, H., and BURCKHARDT, I. Portable silo—pros and cons in grassland operation. (Ge) Tierzuchter 16(13):492-494. July 5, 1964. 49 T445

#### Walls and Fences

- 96062 KING, R. D. Suspension fences can save you \$200 per mile. Doane's 27(20):16-17. July 8, 1964. 281.8 D652

#### FARM UTILITIES

##### Electricity and Electrification

- 96063 CURRY, A. B. "Free" electricity in the milking shed; observations in the Wellington District. Massey Agr. Col. Dairyfarming Annu. 1963:91-94. 44.9 M382  
Includes discussion.

- 96064 ELLIS, C. T. The Far East: ripe for cooperative rural electrification. *Rur. Electrification* 22(9): 12-14, 52, 54. June 1964. 335.8 N21
- 96065 KASTROLL, H. Energy supply serves management. (Ge) *Mitt. der Deut. Landwirt.-Gesell.* 79(22):823, 826, 828. May 28, 1964. 18 N39  
Electricity on the farm.
- 96066 ONTARIO. HYDRO-ELECTRIC POWER COMMISSION. Ontario hydro, 1963. Toronto, 1963. 29 p., map. 335.9 On8H  
Includes rural electric service.
- 96067 PETERSEN, P. W. Electricity, the dairyman's helper. *Utah. Agr. Expt. Sta. Farm Electrification* L. 29, 4 p. Summer 1963. 335.9 Ut1
- 96068 PHILLIPS, D. S. M., and PARKINSON, R. D. J. The effects of small voltages on milking plants; their detection and elimination. *Massey Agr. Col. Dairyfarming Annu.* 1963:79-90. 44.9 M382
- 96069 TEXAS FARM ELECTRIFICATION COMMITTEE. Annual progress report, 1963-1964, by W. E. McCune. College Station, Texas, 1964. 50 p., map. 335.9 T312  
Library has also report for 1962-1963.
- 96070 UNITED NATIONS. ECONOMIC COMMISSION FOR EUROPE. The state of rural electrification in Europe during the three-year period from 1 January, 1960 to 1 January, 1963. *United Nations. ST/ECE/EP 26*, 101 p. Ref. 1964. 335.9 Un34
- Heating, Lighting, and Radiation
- 96071 GROENEWEGER, J. H. Greenhouse horticulture and greenhouse climate. XVII. (Du) *Groenten en Fruit* 19(51):2269. June 24, 1964. 80 G89  
Chiefly equipment for soil heating.
- Power Plants, Motors and Engines on the Farm
- 96072 HINE, H. J. Farm power. *Young Farmers' Club Booklet* 33, 47 p. Ref. 1963. 10 Y82
- 96073 PEPPER, V. D., ZOERB, G. C., and MOE, D. L. Thermoelectric generator using engine exhaust as heat source. *Amer. Soc. Agr. Engin. Trans. ASAE* 7(2):170-173, 178. 1964. 290.9 Am32T
- 96074 PETERSEN, P. W. Proper fusing and overload protection of electric motors. *Utah. Agr. Expt. Sta. Farm Electrification* L. 30, 4 p. Autumn 1963. 335.9 Ut1
- Water Supply
- 96075 FORMISANO, M. Share of microorganisms in the phenomena of metal corrosion; preliminary note. (It) *Naples. U. Facol. di Sci. Agr. Ann.* (ser. 3) 29:281-289. Ref. 1963/64. 105.4 P83  
English summary.  
Iron pumps used in artesian wells.
- 96076 HEWITT, A. C. Farm water supply. *Dairyfarming Digest* 10(5):27-30. Nov./Dec. 1963. 44.8 D1443
- 96077 KOSTYUK, S., and LANDAR', V. Simplified automation of water supply. (Rus) *Tekh. v Sel'sk. Khoz.* 5:36-37. May 1964. 58.8 M11  
Pumps for farms.
- 96078 PATON, W. S. Dairy farm electric water heaters. *Milk Bd. J.* 15(5):13, 15-19, 21. May 1964. 44.8 M5934
- 96079 POMETOV, P., and ZAVODTSEV, A. Automatic water pumping system. (Rus) *Tekh. v Sel'sk. Khoz.* 5:37-38. May 1964. 58.8 M11
- 96080 WILSON, T. H. Heating of water for udder washing. *Dairyfarming Digest* 10(5):31-34. Nov./Dec. 1963. 44.8 D1443
- 96081 YUNG, F. D. Farmstead water demands and peak use rates. *Amer. Soc. Agr. Engin. Trans. ASAE* 7(2):179. 1964. 290.9 Am32T



**AGRICULTURAL PRODUCTS: PROCESSING,  
DISTRIBUTION, AND STATISTICS**

**GENERAL**

- 96082 AYLWARD, F. An assessment of the world's protein needs and supplies. In Ovington, J. D., ed. The better use of the world's fauna for food, p.1-15. Ref. 1963. 389.9 Ov4
- 96083 BIRT AND CO. Economic and financial survey of Australia, No. 16, 1962-1963. Sydney, 1963. 87 p. 280.8 Ec743  
Includes the situation for agricultural products.
- 96084 BOERMA, A. H. The World Food Program for economic and social development. (Du) CMC Melk 20:362-365. Feb.8,1964. 44.8 C11
- 96085 DESOJO AZNAR L. Possible remodelling of the input-output table. Armed Forces International Nutr. Conf. [Proc.], 5th Conf.:312-317. 1962,pub.1963. 173.3 In89A
- 96086 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of the FAO/UNICEF meeting with the food industries on protein rich foods for developing areas, Rome, 21-25 October 1963. Rome, 1964. 19 p. 389.9 F735Rp  
Includes processing and marketing.
- 96087 FRAZER, A. C. Food research in Britain today. Food Trade Rev. 34(7):39-41. July 1964. 389.8 F7334
- 96088 GARST, J. No need for hunger. New York, Random House, 1963. 182 p. 389 G19  
Food situation and outlook, sources, and policy.
- 96089 HAND, D. B. Food technology and the world food problem. Philippine J. Nutr. 17(1):38-43. Jan./Mar.1964. 389.8 N9524
- 96090 KHAN, P., and ROSEN, J. Systems for information retrieval in small laboratories. Food Technol. 18(6):56-59. Ref. June 1964. 389.8 F7398  
Food industry literature.
- 96091 NORWAY. STATENS ERNAERINGSRAD. Arsmelding for budsjettaet [Annual report for the fiscal year] 1963. Oslo, 1964. 42 p. 389.9 N83  
Chiefly food production and consumption in Norway.
- 96092 OLSON, M. The economics of the wartime shortage; a history of British food supplies in the Napoleonic War and in World Wars I and II. Durham, Duke U. Press, 1963. 152 p. 389 OL8
- 96093 OVERTON, J. D., ed. The better use of the world's fauna for food. London, 1963. 175 p. Ref. (Institute of Biology. Symposia No.11) 389.9 Ov4  
Game and fish.
- 96094 PARKER, F. W. Progress and prospects for food production. Amer. Soc. Agron. ASA Spec. P. 1:6-20. Ref. Apr.1963. 64.9 Am3
- 96095 PELAEZ, A., and FALDOR, A. Development of agriculture in the future. (Sp) Agricultura [Madrid] 33(385):295-297. May 1964. 15 Ag84  
Possibilities of increasing food supply.
- 96096 RIEL, R. R. The Food Department of Laval University. (Fr) Quebec Lait. 23(6):10-12. June 1964. 44.8 Q3
- 96097 ROLDAN LAFUENTE, S. The application of input-output tables to studies on production and distribution in case of mobilization. Armed Forces International Nutr. Conf. [Proc.], 5th Conf.:298-311. 1962,pub.1963. 173.3 In89A
- 96098 VIALI, G. Law No. 404 of May 23, 1964, for livestock, olives, and beets. (It) Gior. di Agr. 74(26):263. June 28,1964. 16 It1G  
Policy.
- 96099 VVEDENSKY, G. The Soviet food industry. Studies Soviet Union (n.s.)3(3):90-97. 1964. 280.8 St92

**ANALYSIS AND COMPOSITION**

- 96100 APT, F. S., and others. Microorganisms of food irradiated with gamma-rays. (Rus) Mikrobiologiya 33(1):167-171. Jan./Feb.1964. 448.3 M582  
N. N. Mazokhina, L. P. Naidenova, and V. I. Rogachev, joint authors.  
English summary.
- 96101 COLLINS, C. H. Microbiological methods. London, Butterworths, 1964. 330 p. Ref. (Laboratory Techniques Series) 448.2 C69  
Includes techniques of testing for microorganisms, with special attention to food contamination.
- 96102 EVALUATION of protein quality; report of an international conference. Washington Natl. Acad. Sci. Natl. Res. Council, 1963. 83 p. Ref. (National Research Council. Publication 1100) 389.9 Eu 1  
Conference called by the Committee on Protein Malnutrition, National Research Council.
- 96103 FRANKFURT-AM-MAIN. UNIVERSITÄTS-INSTITUT FÜR LEBENSMITTEL-CHEMIE. Short reports of the colloquies held at the summer semester 1963. (Ge) Deut. Lebensmtl.-Rundschau 60(6):183-188. June 1964. 389.8 D482
- 96104 HACKBARTH, H. J., and ALT, D. Modified nitrate determination in plants according to the Varner et al. method. (Ge) Landwirt. Forsch. 16(3):237-241. 1963. 18 L2333  
English summary.
- 96105 HEATH, F. J. Color and color measurement in the food industry. (It) Mostra Internaz. delle Conserve ed Imballaggi. Cong. 18:173-176. Sept.20/30,1963. 389.9 M854
- 96106 JANICEK, G. Methods of determination of residues of insecticides in feed and food. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:59-61. 1964. 20 M57
- 96107 JONSSON, E. Determination of calcium with the aid of flame photometry. 2. (Sw) Stockholm. Stat. Lantbrkem. Kontanst. Meddel. 26:35-38. 1964. 385 St6  
In crops and feed.
- 96108 KROLLER, E. Experiments for the detection of emulsifiers in foods. 4. (Ge) Fette, Seifen, Anstrichmtl. 66(6):456-460. June 1964. 384 C422  
English summary.
- 96109 LABELLE, R. L. Bulk density—a versatile measure of food texture and bulk. Food Technol. 18(6):89-94. June 1964. 389.8 F7398
- 96110 LAING, E. M. The composition of food; food standards. Brit. Baking Indus. Res. Assoc. B. 1:25-27. Feb.1964. 389.9 B774B
- 96111 LENIGER, H. A. Laboratories in food plants. (Du) Conserva 12(11):265-272. May 1964. 389.8 C7632  
French summaries.
- 96112 NALEWAJA, J. D., SMITH, L. H., and CATAL-TAS, I. A standard method for quantitative determination of loosening carbohydrate from plant extracts and sugar types. (Tu) Seker 13(51):1-4. Apr.1964. 65.8 Se4
- 96113 RIEMANN, H. Food bacteriology. (Da) Konserver & Dybfrost 22(1):2-9. 1964. 389.8 K835
- 96114 ROBERTSON, G. Polarographic determination of zinc in plant materials containing phosphate. Analyst 89(1058):368-369. May 1964. 382 An1
- 96115 RUITER, A. Determination of benzoic acid and sorbic acid in foods. (Du) Conserva 12(11):273-274. May 1964. 389.8 C7632  
French summary.
- 96116 WLJKSTROM, T., and JOHANNISSON, K. Chemical testing of field crops and feed, 1962/1963. (Sw) Stockholm. Stat. Lantbrkem. Kontanst. Meddel. 26:11-16. 1964. 385 St6

## CONSUMPTION AND UTILIZATION

- 96117 HAMMETT, R. A., and BLACKSTONE, J. H. How homemakers select foods; a study of influences affecting food buying of urban homemakers. Ala. Agr. Expt. Sta. B. 353, 39 p. June 1964. 100 AL1S  
Includes advertising.
- 96118 LITTLE, C. H., and WILSON, L. S. Consumer information bench mark studies, Missouri. Mo. Agr. Col. Ext. C. 807, 7 p. Nov. 1963. 275.29 M69C  
Preferences and consumption.
- 96119 METZDORF, H. J. 90% of the demand of the food trade is concentrated. (Ge) Agros [Hannover] 3:40, 42. Mar. 1964. 18 Ag83
- 96136 LATIN AMERICAN SEMINAR ON THE MARKETING, STORAGE AND PROCESSING OF AGRICULTURAL PRODUCTS. Report, May 27-June 9, 1963. Rio de Janeiro, 1962. 307 p. 280.39 L34
- 96137 LOMAN, A. The valorization of agricultural products is also part of our task. (Du) Natl. Coop. Aan- en Verkoopver. v. de Landb. Cent. Bur. Meded. 46(12):173-176. Dec. 1962. 12 N287  
Purchase and sale cooperatives.
- 96138 LORENZEN, R. T. Design considerations for roadside salesrooms. N. Y. State Col. Agr. (Cornell U.) Dept. Agr. Econ. A. E. Ext. 318: 11-16. 1964. 281.9 C81Ae
- 96139 MARTIN, A. The marketing of minor crops in Uganda. London, H. M. Stationery Off., 1963. 78 p. (Gt. Brit. Dept. of Technical Co-operation. Overseas Research Publication No. 1) 280.3 M364  
Field crops and spices.

## DISTRIBUTION, MARKETING, AND TRANSPORTATION

- 96120 ALLEN, S. A grower's view on roadside marketing: goals—prospects—problems. N. Y. State Col. Agr. (Cornell U.) Dept. Agr. Econ. A. E. Ext. 318:43-50. 1964. 281.9 C81Ae
- 96121 BLAKELEY, R. A. Improving customer service. N. Y. State Col. Agr. (Cornell U.) Dept. Agr. Econ. A. E. Ext. 318:3-10. 1964. 281.9 C81Ae  
Roadside marketing.
- 96122 BLAKELEY, R. A., comp. Marketing at the roadside; proceedings of a conference for market operators at the Monroe County Farm and Home Center, April 7, 1964. N. Y. State Col. Agr. (Cornell U.) Dept. Agr. Econ. A. E. Ext. 318, 57 p. 1964. 281.9 C81Ae
- 96123 BROMLEY, J., and WALLACE, B. Who foots the bill on trading stamps? R. I. Agr. 10(3):6. June 1964. 100 R342
- 96124 BROWN, E. H. Business management suggestions. N. Y. State Col. Agr. (Cornell U.) Dept. Agr. Econ. A. E. Ext. 318:31-42. 1964. 281.9 C81Ae  
Roadside marketing.
- 96125 CAMP, T. H. Motortruck operating costs of farmer cooperatives. U. S. Farmer Coop. Serv. Gen. Rpt. 121, 10 p. June 1964. A280.29 F22G
- 96126 COMMANAY, J., and MAINIE, P. Interregional competition. (Fr) Econ. Rur. 57:3-40. July/Sept. 1963. 281.9 So15  
Europe.
- 96127 DETOURS, H. The direct sale of agricultural products. (Fr) Gaz. Apic. 64(682):38-46. Feb. 1964. 424.8 G25  
Roadside stands, by mail, and to retail stores.
- 96128 DINCE, R. R. The complex law of supply and demand. Better Farming Methods 36(2):5. Feb. 1964. 58.8 B46
- 96129 EARLE, W. G. Pricing and merchandising at roadside markets. N. Y. State Col. Agr. (Cornell U.) Dept. Agr. Econ. A. E. Ext. 318:27-30. 1964. 281.9 C81Ae
- 96130 FRIETEMA, H. J. Agricultural organizations and problems posed by integration. (Fr) Inform. et Doc. Agr. 19(12):7-11, 13-17. June 15, 1964. 14 In32  
Cooperative marketing.
- 96131 GOIDANICH, G. Integrate production and marketing. (It) Gior. di Agr. 74(25):251. June 21, 1964. 16 It1G
- 96132 HANSEN, J. Dangers and changes in connection with the way to the market. (Ge) Raiffeisen-Rundschau 16(1):6-7. 1964. 284.28 R132
- 96133 HASSELBACH, W. VON. Questions asked on the effects of the new marketing regulations of Brussel. (Ge) Tierzuchter 16(2):35-37. Jan. 20, 1964. 49 T445  
An interview.
- 96134 HEIR, O. Looking to the future. (No) Buskap og Avdratt 15(4):210-212. 1963. 49 B96  
Market prognosis for agricultural products.
- 96135 IHLE, H. A. Farmer contractors. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(22):840, 842. May 28, 1964. 18 N39  
Farmer-market relationship.
- 96140 MEYER, G. Harder selection process for special crops. (Ge) Raiffeisen-Rundschau 16(1):23-25. 1964. 284.28 R132  
Changed market requirements.
- 96141 MOSER, D. E., and KRIEBEL, W. R. Transportation in agriculture and business. Mo. Agr. Col. Ext. Manual 63, 64 p., map. Ref. 1964. 275.29 M69Ma
- 96142 OVERHEIM, R. K., and HAYES, J. T. Baton Rouge wholesale food-distribution facilities—status report. U. S. Agr. Mktg. Serv. AMS-536, 11 p. June 1964. A280.39 M34Am  
Louisiana State Dept. of Agriculture and Immigration, cooperating.
- 96143 PEASE, R. Conference objectives. N. Y. State Col. Agr. (Cornell U.) Dept. Agr. Econ. A. E. Ext. 318:1-2. 1964. 281.9 C81Ae
- 96144 PRIETO HERAUD, E. Market for agricultural products. (Sp) Spain. Inst. Nac. de Invest. Agron. Conf. 1964:5-29. 15 Sp18C  
California.
- 96145 SHELDRAKE, R. Growing practices for full season merchandising. N. Y. State Col. Agr. (Cornell U.) Dept. Agr. Econ. A. E. Ext. 318: 17-26. 1964. 281.9 C81Ae  
Roadside marketing.
- 96146 SONNEMANN, T. Raiffeisen on the market. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(22): 813, 816, 818. May 28, 1964. 18 N39  
Cooperatives.
- 96147 STAMER, H. Consideration of future trends of sale possibilities of animal products in the Federal Republic. (Ge) Tierzuchter 16(10):340-342. May 20, 1964. 49 T445  
English summary.
- 96148 U. S. CONGRESS. SENATE. COMMITTEE ON COMMERCE. Freight car shortage. Hearings, 88th Cong., 1st sess. on S. 1063, to amend sec. 1(14) (a) of the Interstate Commerce Act to insure the adequacy of the national railroad freight car supply, and for other purposes, June 17 and 25, 1963. Washington, 1963. 143 p. 289.2 Un39
- 96149 U. S. DEPT. OF AGRICULTURE. FOOD DISTRIBUTION RESEARCH AND MARKETING ADVISORY COMMITTEE. Report and recommendations developed at the ninth meeting, Washington, 1963. Washington, U. S. Agr. Res. Serv., 1963. 4 p. A280.39 R314
- 96150 WALES, H. G., and FERBER, R. A basic bibliography on marketing research. Ed. 2, rev. and enl. Chicago, 1963. 182 p. (American Marketing Association. AMA Bibliography Series, No. 2, 1963 Rev.) 241.3 W14
- 96151 WICKHAM, J. A close look at roadside marketing. N. Y. State Col. Agr. (Cornell U.) Dept. Agr. Econ. A. E. Ext. 318:51-54. 1964. 281.9 C81Ae

## GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

- 96152 AGREN, O. Food additives. (Sw) Var Foda 16(5):33-39. 1964. 389.8 V26  
Regulations in Scandinavia.



- 96153 BHATT, P. H. The prevention of food adulteration in India. *Indian Food Packer* 17(5):15-16. Sept./Oct.1963. 389.8 In25
- 96154 BIANCO, F. M. DEL. Food additives. (It) *Roma Econ.* 17(3):111-113. Mar.1964. 280.8 R66  
Types and regulation.
- 96155 BISCHOFF, J. Some cases of food poisoning. (Ge) *Arch. f. Lebensmthyg.* 13(10):229-230. Oct.20,1962. 41.8 L49
- 96156 BLANCO LOIZELIER, E. Quality in relation to foodstuffs production and market. *Armed Forces Internation Nutr. Conf. [Proc.]*, 5th Conf.:281-290. 1962,pub.1963. 173.3 In89A  
Regulation.
- 96157 BORUFF, J. D. Plan for prevention; food poisoning threatens. *Ind. State Bd. Health. Mon.* B. 65(12):5-6,9. Dec.1963. 449.7 In2M  
School lunches.
- 96158 DEPEW, F. M. A new look at cooperation in complying with food laws. *Food Drug Cosmetic Law J.* 19(6):337-344. June 1964. 389.58 F732
- 96159 DIPPENAAR, B. J. The Division of Commodity Services—its creation, function, extent and future organisation. 2. *Agrekon* 3(2):5-11,map. Apr.1964. 281.8 Ag835  
Inspection.
- 96160 EISENBUD, M. Distribution of radioactivity in foods. *Fed. Amer. Soc. Expt. Biol. Fed. Proc.* 22(6,pt.1):1410-1414. Ref. Nov./Dec.1963. 442.9 F31P  
Natural and introduced radioactivity.
- 96161 FILIPPONE, S., and KILLIKELLY, B. Quantity food buyers can control quality. *Agr. Mktg.* 9(7):14-15. July 1964. A280.38 Ag8  
Grading.
- 96162 FORSCHBACH, E. A statement on world food law. (Ge) *L und E* 17(5):4-6. May 1964. 389.8 Z34
- 96163 JONES, H. B. Health hazards from fallout. *Fed. Amer. Soc. Expt. Biol. Fed. Proc.* 22(6,pt.1):1415-1417. Nov./Dec.1963. 442.9 F31P  
Includes fallout in food.
- 96164 KENDALL, D. A. Flavor analysis and the isolation of flavor compounds. *Brewers Digest* 39(5):65-67. May 1964. 390.8 B75
- 96165 KOENIG, N. A new vital influence in international food standards. *Food Drug Cosmetic Law J.* 19(6):326-336. June 1964. 389.58 F732
- 96166 NORTH DAKOTA. STATE LABORATORIES DEPT. Food and drug bulletin. *N. Dak. State Lab. Dept. B.* 138,74 p. June 1964. 389.9 N814  
Work done in 1963 for enforcement of the North Dakota Food and Drug Law and associated laws.
- 96167 NUTRITION symposium: fallout, food, and man. *Fed. Amer. Soc. Expt. Biol. Fed. Proc.* 22(6,pt.1):1389-1423. Ref. Nov./Dec.1963. 442.9 F31P  
Introduction by H. S. Olcott.
- 96168 OSER, B. L. The Food Chemicals Codex off the press. *Food Drug Cosmetic Law J.* 19(6):357-359. June 1964. 389.58 F732
- 96169 PARRY, M. Food hygiene in the United Kingdom. *Amer. J. Pub. Health* 54(7):1078-1091. July 1964. 449.9 Am3J
- 96170 PEPPER, B. B. Safe use of pesticides as the answer to the residue problem. *Assoc. Food & Drug Off. U. S. Q. B.* 28(2):65-70. Apr.1964. 389.9 As7Q  
Establishment of tolerances.
- 96171 PLUMMER, B. E. Foods, 1962-63. *Maine. Agr. Expt. Sta. Off. Insp.* 267,81 p. July 1963. 100 M285
- 96172 RIEDL, O. Codex alimentarius europaeus at the crossroads. (Ge) *L und E* 16(12):4-5. Dec. 1963. 389.8 Z34
- 96173 ROE, R. S. How safe is our food? *Food Drug Cosmetic Law J.* 19(6):351-356. June 1964. 389.58 F732  
Regulation.
- 96174 SCOTLAND. HOME AND HEALTH DEPT. Health and welfare services in Scotland; report for 1963. 96 p. 449.9 Sco8  
Includes food regulation.
- 96175 SEIDEL, G. Final conclusions drawn for food poisonings of last years. (Ge) *Arch. f. Lebensmthyg.* 15(5):107-109. May 20,1964. 41.8 L49

- 96176 SEREBRYANAYA, S. G., and TOSTANOVSKAYA, A. A. Certain features specific to the study of insecticides with maximum standard residue in foodstuffs. (Rus) *Voprosy Pitaniya* 22(5):75-80. Sept./Oct.1963. 389.8 V89  
English summary.
- 96177 SMITH, E. H. Problems in the safe and effective use of pesticides in agriculture. *Nutr. Rev.* 22(7):193-196. July 1964. 389.8 N953
- 96178 STACHYRA, T. Residues of chemicals and plant protection in Poland. (Pol) *Postepy Nauk Roln.* 15(5):79-97. 1963. 20.5 P84  
On toxicity of economic poisons.
- 96179 TOWNSHEND, F. Progress in work on international food standards. *Food Technol. Austral.* 16(5):268-269,271,273,275. (Cont.) May 1964. 389.8 F7333
- 96180 WILLIAMS, W. F. Why grades and grading. *Agr. Mktg.* 9(7):12-13. July 1964. A280.38 Ag8

## PACKING AND PACKAGING

- 96181 BALINT, K. E., and DUFFEK, E. Microbiological examination of food packaging materials. (Hu) *Budapest. Kozponti Elelmiszeripari Kutatointezet. Kozlem.* 1/2:12-18. Ref. 1963. 389.8 B85  
English summary.
- 96182 GEMELLI, U., and SOMMACAL, B. Influence of film of tin oxide on adherence of synthetic varnishes and resistance to spotting. (It) *Mostra Internaz. dell Conserve ed Imballaggi. Cong.* 18:109-114. Sept.20/30,1963. 389.9 M854  
Includes discussion.
- 96183 JORDAN, G. Cellophane-like plastic for frozen foods. *Quick Frozen Foods* 26(12):61-62. July 1964. 389.8 Q4
- 96184 LUBIENIECZKI VON SCHELHORN, M. Spoilage by microorganisms and its prevention by packing methods. (Ge) *Arch. f. Lebensmthyg.* 13(10):233-235. Oct.20,1962. 41.8 L49
- 96185 PAOLETTI, G. Transparency and absorption of some types of cerium glass for containers. (It) *Mostra Internaz. delle Conserve ed Imballaggi. Cong.* 18:25-31. Sept.20/30,1963. 389.9 M854
- 96186 RAUTU, R., and others. Analytical investigations on the use of polyethylene, polystyrene and polyvinyl chloride for food products packing. (Rum) *Bucharest. Inst. de Cercet. Aliment. Lucrarile* 6:253-272. Ref. 1962/1963. 389.9 R86  
A. Sporn, M. Perlea, A. Hobincu, M. Dumitrescu, and C. Petrovici, joint authors.  
English summary.
- 96187 SCAGLIONI, O. Development, present position, and prospects of glass containers. (It) *Mostra Internaz. delle Conserve ed Imballaggi. Cong.* 18:33-46. Sept.20/30,1963. 389.9 M854

## PRICES, PRICE CONTROL, AND RATIONING

- 96188 BAGGE, F. Farm prices in 1963. (Sw) *Lantmannen* 75(3):86-90. Jan.18,1964. 11 L234
- 96189 FARMER AND STOCKBREEDER. Guide to farm prices and grants 1964-65. London, 1964. 40 p. 284.39 F222
- 96190 LEWIS, J. N. Methods of agricultural price support and stabilization in Australia. *Ill. Agr. Econ.* 4(2):29-35. July 1964. 281.9 IL6I
- 96191 SWEDEN. STATISTISKA CENTRALBYRAN. Konsumentpriser och indexberakningar [Consumer prices and index computations], 1962. Stockholm, 1963. 28 p. 284.39 Sw33  
English summary.
- 96192 TAYLOR, M. C. Farm price index trends, Montana, 1948-1962. *Mont. Agr. Expt. Sta. B.* 588,16 p. June 1964. 100 M76
- 96193 TAYLOR, M. C., KUSELKA, T. J., and HASENMYER, G. D. Prices received and prices paid by Montana farmers and ranchers, 1960-1962. *Mont. Agr. Expt. Sta. B.* 587,12 p. June 1964. 100 M76  
U. S. Department of Agriculture, cooperating.

- 96194 TORRES, R. D. Farm prices in Bukidnon. Philippine Agr. 47(5):238-256. Oct. 1963. 25 P542

## PROCESSING AND STORAGE

- 96195 THE ALMANAC of canning, freezing, preserving industries, 1964. Westminster, Md., 1964. 478 p. 286.83 C163
- 96196 BROWN, G. D. The cook as an unwitting scientist. New Sci. 20(368):614-616. Dec. 5, 1963. 472 N42
- 96197 CEDARGREEN, C. R., and ROBE, K. Fluidized handling in bulk storage of frozen foods. Food Processing 25(7):98-99, 101. July 1964. 389.8 F7325
- 96198 CHAMBERS, W. S. Ribonucleotides—new flavouring compounds. Food Technol. Austral. 16(5):250-251, 253-255. May 1964. 389.8 F7333
- 96199 CHEFTEL, H., and THOMAS, G. Principes et methodes pour l'establissement des baremes de sterilisation des conserves alimentaires [Principles and methods for the establishment of sterilization schedules for canned foods]. Etab. J.-J. Carnaud, Forges de Basse-Indre. Lab. de Rech. B. 14, 108 p. Ref. Sept. 1963. 389.9 E1
- 96200 CHIRALEU, I. The new refrigerating warehouses built in the R.P.R. I. (Rum) Indus. Aliment. 14(8):289-295. Aug. 1963. 389.8 In26
- 96201 COULTER, S. T., and JEZESKI, J. J. Mold causes in food storage. Distrib. Age 63(5):52-53. May 1964. 288.8 T68
- 96202 DUGDALE, E. Glass covering before and now. (Da) Konserves & Dybfrost 22(6):75-77. 1964. 389.8 K835  
For foods.
- 96203 DUMON, R. Aspects of deep freezing. (Fl) Fermentatio 6:253-261. 1963. 390.8 F38
- 96204 FARKAS, J., VAS, K., and KISS, I. Radiation resistance of yeasts used in the food industry. (Hu) Budapest. Kozponti Elelmiszeripari Kutatointezet. Kozlem. 1/2:7-11. Ref. 1963. 389.9 B85  
English summary.
- 96205 FERRATI, U. How to control rodents in food processing plants and in food storage. (It) Corso di Qualificazione Tec. in Ent. Merceologica. Atti 1963:77-84. 1964. 423.92 C81
- 96206 GARCIA PALACIOS, A. Economic consequences of the use of cold. (Sp) Agricultura [Madrid] 32(377):540-542. Sept. 1963. 15 Ag84  
Food refrigeration and freezing.
- 96207 GENEVOIS, L. Some English food research laboratories. (Fr) Indus. Aliment. et Agr. 81(3):205-208. Mar. 1964. 383 As7
- 96208 GRAY, W. D., OCH, F. F., and EL SEOUD, M. A. Fungi imperfecti as a potential source of edible protein. Devlpmt. Indus. Microbiol. 5:384-389. 1964. 448.3 D49  
Protein synthesis.
- 96209 HOUT, C. A. M. VAN DEN. From instruction in dairying to agricultural technological instruction. (Du) Veeteelt en Zuivelber. 7(1):1-3. Jan. 1964. 49 V51  
Study of food processing.
- 96210 HUGHSON, R. V. Freeze drying faces the future. Chem. Engin. 71(15):155-160. July 20, 1964. 381 EL2  
Food, chiefly.
- 96211 JACK, E. L. Man's foods in the modern world. Portugal. Missao de Estudos Agron. do Ultramar. Estudos Agron. 4(2):37-43. Apr./June 1963. 56.9 P83  
Chiefly food processing.
- 96212 KEFFORD, J. F. Food science and technology—the international outlook. Food Technol. Austral. 16(5):256-257, 259-260. (Cont.) May 1964. 389.8 F7333
- 96213 LARSEN, K. H. Consumption of frozen foods. (Da) Konserves & Dybfrost 22(6):70-74. 1964. 389.8 K835  
In U. S. A. and Europe.
- 96214 LUNDQUIST, A. L. Produce warehouseman—is your loading out method efficient? Agr. Mktg. 9(7):4-5. July 1964. A280.38 Ag8  
Reducing costs.
- 96215 MARIANI, A. Techniques of the future for preservation of foodstuffs in storage. (It) Corso di Qualificazione Tec. in Ent. Merceologica. Atti 1963:85-96. 1964. 423.92 C81  
Ionizing radiation; includes insecticidal effects.
- 96216 MARINESCU, I., and others. Investigations on the production of some natural food dyes. (Rum) Bucharest. Inst. de Cercet. Aliment. Lucrarile 6:69-81. Ref. 1962/1963. 389.9 R86  
B. Freier, H. Antoni, and T. Dobrota, joint authors.  
English summary.
- 96217 MOSTRA INTERNAZIONALE DELLE CONSERVE ED IMBALLAGGI. Congressi [Congresses], 18, 1953. Parma, 1964? 219 p. Ref. 389.9 M854
- 96218 NATIONAL ASSOCIATION OF FROZEN FOOD PACKERS. Frozen food pack statistics 1963. Washington, D. C., 1964. 51 p. 389.9 N2123
- 96219 NIKKILA, O. E., LINKO, R. R., and KUUSI, T. The effect of various salts on the denaturation of the actomyosin of Baltic herring during freezing and frozen storage. Suomen Kemistilehti. B, 37(5/6):130-133. Ref. 1964. 385 Su7
- 96220 NOJIRI, H. On modernization of small and medium operations. (Ja) Kanzume Jiho 42(12):1-6. 1963. 389.8 K13  
Canning industry in Japan.
- 96221 PALAMAND, S. R. Role of freeze-drying in food industry. Indian Dairyman 15(6):197, 199. June 1963. 44.8 In282
- 96222 PAYUMO, E. M. Some past and recent researches in food technology in the Philippines. Philippine J. Nutr. 16(4):42-49. Ref. Oct./Dec. 1963. 389.8 N9524
- 96223 PLANK, R. The cold storage capacity of foods as a function of temperature. 17 p. Ref. Transl. 13650  
Translation from Kaltetechnik 11(10):306-310. [n.d.]
- 96224 READ, M. S. Countermeasures against radio-nuclides in foods. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 22(6, pt. 1):1418-1423. Ref. Nov./Dec. 1963. 442.9 F31P  
Protecting food and removing fallout.
- 96225 ROBERTS, E. C. Department of food technology. Chem. & Indus. 24:999-1000. June 13, 1964. 382 M31C  
Of the City of Liverpool College of Technology.
- 96226 ST-PIERRE, J. Application of ionizing radiations in food preservation. (Fr) Quebec Lait. 23(6):16, 18-20. (Cont.) Ref. June 1964. 44.8 Q3
- 96227 SAWAYAMA, Z. Report of an inquiry into canning factories for agricultural products in America. 2. (Ja) Kanzume Jiho 42(11):3-8. 1963. 389.8 K13
- 96228 SAWAYAMA, Z. Report of an inquiry into canning factories for agricultural products in America. 3. (Ja) Kanzume Jiho 42(12):7-10. 1963. 389.8 K13
- 96229 SIKORSKI, Z. E., and TILGNER, D. J. On smoking processes. 1. (Ge) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 124(4):274-283. Ref. 1964. 384 Z39  
Analysis of smokes for curing.
- 96230 SVENSKA INSTITUTET FOR KONSERVERINGSFORSKNING. Swedish Institute for Food Preservation Research. Svenska Inst. f. Konserverforsk. Rap. 131, 28 p., map. 1963. 389.9 Sv2R
- 96231 TILGNER, J. Four basic problems of food technology. (Pol) Chemik 16(11):325-328. Nov. 1963. 385 C429  
Chiefly processing methods and nutritive value.
- 96232 TIRELLI, M. Mice and rats in plants manufacturing alimentary products. (It) Corso di Qualificazione Tec. in Ent. Merceologica. Atti 1963:40-49. 1964. 423.92 C81



- 96233 TRATTNER, E., COSTAN, P., and ENACHE, V. Contributions to settling the principles and methodology of economical substantiation of the technical-scientific research work in industry. (Rum) Bucharest. Inst. de Cercet. Aliment. Lucrarile 6:289-304. 1962/1963. 389.9 R86  
English summary.  
As applied to the food industry.
- 96234 25 YEARS of locker and freezer provisioning, 1939-1964. Freezer Provisioning 25(7):28-36, 39-40, 43-44, 46, 48-49, map. July/Aug. 1964. 389.8 L79
- 96235 U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Freeze-dried foods and the frozen food industry. Washington, 1963. 24 p. A389.3 Ag822
- 96236 WILKINS, P. C. Frozen foods raise returns in rural areas. News Farmer Coop. 30(10):23, 31. Jan. 1964. 166.2 N47
- 96237 WILLIAMS, E. W. FF advance steadily in Europe—a year of consolidation? Quick Frozen Foods 26(12):41-46. (Cont.) July 1964. 389.8 Q4

## STATISTICS

- 96238 L'ANNATA agraria 1963; dati provvisori e primi giudizi [The agricultural year 1963; preliminary data and first estimates]. n.p., Istituto Nazionale di Economia Agraria, 1964. 61 p. 281.8 An71
- 96239 CROP reporting—types of information needed by producers and industry. Crop Quality Council. Ext. Conf. Rpt. 1962:43-53. Ref. 464.9 N813  
North Dakota by C. J. Heltemes; South Dakota by R. Potas; and Minnesota by F. J. Graham.
- 96240 FORTMANN, H. Legal position as well as decisions and compensation problems in connection with effects of air pollution. (Ge) Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr. 5:119-124. 1963. 18 F778  
Crop damage.
- 96241 GERMANY (FEDERAL REPUBLIC). STATISTISCHES BUNDESAMT. Bodennutzung und ernte [Land utilization and harvest] 1963. Wiesbaden, 1964. 64 p. 265 G318Boe
- 96242 KOREA (REPUBLIC) ECONOMIC PLANNING BOARD. Statistical handbook of Korea, 1962. Seoul, 1963? 116 p. 269.7 K846S  
Includes agriculture and forestry.
- 96243 MARYLAND CROP REPORTING SERV. Maryland agricultural statistics. Md. Dept. Mkt. P. 7, 53 p. June 1964. 2 M363  
University of Maryland College of Agriculture, Maryland State Board of Agriculture, and Statistical Reporting Service of the United States Department of Agriculture, cooperating.
- 96244 MICHIGAN. DEPT. OF AGRICULTURE. Michigan agricultural statistics, July, 1963. Lansing, 1963. 48 p., map. 252.41 Se2C
- 96245 MICHIGAN. DEPT. OF AGRICULTURE. Michigan agricultural statistics, May, 1964. Lansing, 1964. 53 p., map. 252.41 Se2C
- 96246 OKLAHOMA. STATE BOARD OF AGRICULTURE. Oklahoma agriculture 1963. Oklahoma City, 1963. 162 p., map. 2 Ok42A  
Statistical Reporting Service, U. S. Department of Agriculture, cooperating.  
Statistical.
- 96247 PUERTO RICO PLANNING BOARD. BUR. OF ECONOMICS AND SOCIAL PLANNING. Anuario estadístico; Statistical yearbook, Puerto Rico, 1961-1962. n.p., 1963. 213 p. 252.74 Ag8  
Agricultural statistics included.
- 96248 RESEARCH DEPT. OF THE BANK OF KOREA. Economic statistics yearbook, 1963. (Kor) Seoul, 1964. 273 p. 280.9 B2273A  
Includes agricultural statistics.
- 96249 RHODESIA AND NYASALAND (FEDERATION). CENTRAL STATISTICAL OFF. Agricultural production in Southern Rhodesia, Northern Rhodesia and Nyasaland, 1963. Salisbury, 1964. 86 p. 270 R348R

- 96250 SENIOR, B. Building a government crop report. Doane's 27(20):12-15. July 8, 1964. 281.8 D652  
Crop reports issued by the Statistical Reporting Service of the U. S. Department of Agriculture.
- 96251 SZTEKIEL, J. 1963 crop estimates. (Pol) Nowe Roln. 13(2):6-8. Jan. 16/31, 1964. 20.5 N86

## BEVERAGES AND CONDIMENTS

- 96252 ABRAMOV, SH. A., and MAKUEV, A. M. Strains of yeasts for white table wines of Dagestan. (Rus) Vinodel. i Vinograd. SSSR 2:18-20. 1964. 95.8 V77
- 96253 AMERICAN SOCIETY OF BREWING CHEMISTS. Proceedings, annual meeting, 1962. Milwaukee, Wis., 1962. 190 p. Ref. 390.9 Am321
- 96254 ARKIMA, V., and SIHTO, E. On the formation of isoamyl alcohol and optimum activity amyl alcohol in the course of beer fermentation. (Ge) Suomen Kemistidehti. B, 37(5/6):102-104. 1964. 385 Su7
- 96255 ARTIGAS, S. DE T. Coffee will assure the stability of our currency. (Por) Rural 44(515):12-14. Mar. 1964. 9.2 B733
- 96256 BENARD, P., JOURET, C., and FLANZY, M. The influence of root stocks on the mineral composition of wines. (Fr) Ann. de Technol. Agr. 12(4):277-285. Ref. 1963. 14 F8499An  
English summary.
- 96257 BERIDZE, G. I., and KOKHREIDZE, G. A. Manufacture of light table wines under conditions of Western Georgia. (Rus) Vinodel. i Vinograd. SSSR 3:12-16. 1964. 95.8 V77  
Includes acids.
- 96258 BIZEAU, C. Factors limiting yeast growth in the musts of (Clairette) and (Muscat Blanc a Petitis Grains). (Fr) Ann. de Technol. Agr. 12(4):247-276. Ref. 1963. 14 F8499An  
English summary.
- 96259 BRUGIRARD, A. Considerations on current wine manufacture problems. (Fr) Pyrenees-Orientale. Chambre d'Agr. B. Tech. 27:80-91. Sept. 1963. 14 F8462
- 96260 BRUGIRARD, A. How are the wines of the 1963 crop? (Fr) Pyrenees-Orientale. Chambre d'Agr. B. Tech. 28:107-108. Dec. 1963. 14 F8462
- 96261 CABEZA B., J. The coffee drying establishment. (Sp) Cafe Peruano 2(18):16-20. Apr. 1964. 68.28 C118
- 96262 CARR, J. G. Cider-making. II. Brewers' J. 100 (1184):324-327. May 20, 1964. 390.8 B753
- 96263 CASSINELLI, C. The fascinating itinerary of coffee; coffee of Chanchamayo. (Sp) Cafe Peruano 2(18):14-15. Apr. 1964. 68.28 C118  
History.
- 96264 CHAUVET, J., and others. Evolution of malic and lactic acids during vinification of the vintage by carbonic maceration. (Fr) Ann. de Technol. Agr. 12(4):237-246. Ref. 1963. 14 F8499An  
P. Brechot, P. Dupuy, M. Croson, and R. Irrmann, joint authors.  
English summary.
- 96265 CHENERY, E. M. A rapid titan yellow method for determining magnesium in plant material in the presence of an excess of manganese. Analyst 89(1058):365-367. Ref. May 1964. 382 An1  
Applied to tea leaves.
- 96266 CIUSA, W., and LIPPARINI, L. Clarification of wines with potassium ferrocyanide and zinc sulfate. (It) Rass. Chim. 15(6):268-273. Ref. Nov./Dec. 1963. 385 R18
- 96267 CLERCK, J. DE. What can one expect of continuous brewing processes. (Fr) Fermentatio 3:119-127. 1964. 390.8 F38
- 96268 COJOCARU, L. The appreciation of water used in the beer industry. (Rum) Indus. Aliment. 14 (12):508-513. Dec. 1963. 389.8 In26  
English summary.

- 96269 CORDERA, M. A. Mexican coffee policy and the Instituto Mexicano del Cafe. (Sp) Tierra [Mexico] 18(12):964-966. (Cont.) Dec.1963. 8 T445
- 96270 CORDERA, M. A. Mexican coffee policy and the Instituto Mexicano del Cafe. (Sp) Tierra [Mexico] 19(1):32-33,64. (Cont.) Jan.1964. 8 T445
- 96271 CROWELL, E. A., and GUYMON, J. F. Influence of aeration and suspended material on higher alcohols, acetoin, and diacetyl during fermentation. Amer. J. Enol. & Viticult. 14(4):214-222. Ref. Oct./Dec.1963. 390.9 Am33
- 96272 DEHOVE, R. A. Development and trends of French regulation relating to trade in coffee, coffee products, and substitutes. (Fr) Cafe Vert 164:1-3. Jan.1964. 286.3689 F31
- 96273 DEIBNER, L., and MOURGUES, J. The influence of certain factors on the measurement of the oxidation-reduction potential in wine. (Fr) Ann. de Technol. Agr. 13(1):31-43. Ref. 1964. 14 F8499An  
English summary.
- 96274 DEIBNER, L., and BOURZEIX, M. On the extraction of coloured polyphenolic compounds of red wines with lead acetate. (Fr) Ann. de Technol. Agr. 12(4):287-312. Ref. 1963. 14 F8499An  
English summary.
- 96275 DETTORI, R. G. Italian interests and E.E.C. proposals on quality wines. (It) Cuneo. Cam. di Com. Indus. e Agr. Not. Cam. 19(10):271-273. May 31,1964. 287 C91
- 96276 DEVREUX, A. Fermentation techniques. (Fr) Fermentatio 6:247-252. 1963. 390.8 F38  
Brewing.
- 96277 DE WAAL, C. T. South African dry red table wines. Wine, Spirit & Malt 33(5):17-18. May 1964. 390.8 W725
- 96278 DIAS, L. C. DE S. The present situation of the coffee industry. (Por) Rural 44(514):4-6. Feb.1964. 9.2 B733
- 96279 FAGORBERG, E. P. Lower prices expected in wake of UN cocoa conference failure. Mfg. Confectioner 43(12):52. Dec.1963. 389.8 M31
- 96280 FILIPPOV, B. A., ARTYUSHINA, N. I., and PECHNIKOVA, T. A. Temperature in the ageing of champagne wines. (Rus) Vinodel. i Vinograd. SSSR 2:55-57. 1964. 95.8 V77
- 96281 FOCSA, C. Investigation on enzymatic preparations in beer processing and their use in brewing. (Rum) Bucharest. Inst. de Cercet. Aliment. Lucrarile 6:239-252. 1962/1963. 389.9 R86  
English summary.
- 96282 FONTANA, P., and COLAGRANDE, O. Research on the use of diethyl pyrocarbonic ether for the stabilization of sweet wines. (Fr) Indus. Aliment. et Agr. 81(3):197-202. Ref. Mar.1964. 383 As7
- 96283 FORMISANO, M. Application of the method proposed by Formisano for investigation of the antienzymes in wine. (It) Naples. U. Facol. di Sci. Agr. Ann. (ser.3)29:291-302. 1963/64. 105.4 P83  
English summary.
- 96284 GERASIMOV, M. A., and SMIRNOVA, A. P. Chromatographic method of determination of catechins in wine, treated with heat. (Rus) Vinodel. i Vinograd. SSSR 2:14-17. 1964. 95.8 V77
- 96285 GIANTURCO, M. A., FRIEDEL, P., and GLAMMARINO, A. S. The volatile constituents of coffee. III. Tetrahedron 20(7):1763-1772. July 1964. 382 T29
- 96286 HUNT, M. L., and LUCIA, S. P. He gave us good wine. Pacific Discovery 17(1):10-14. Jan./Feb.1964. 500 P112  
James Blake and the California wine industry.
- 96287 HUNT, S. R. Sugar and spice. Pharm. J. 191 (5225):632-635. Dec.21,1963. 396.8 P49  
History of spices.
- 96288 ILLE, C., and STANCULESCU, C. Experimental data, concerning the paper chromatograms of the anthocyanic pigments of red grape and wine obtained from certain sorts of Vitis vinifera, and from direct producer hybrids. (Rum) Bucharest. Inst. de Cercet. Aliment. Lucrarile 6:193-214. Ref. 1962/1963. 389.9 R86  
English summary.
- 96289 INIGO LEAL, B., ARROYO VARELA, V., and BRAVO ABAD, F. Controlled fermentation of grapejuice. I. (Sp) Agricultura [Madrid] 33 (383):157-160. Mar.1964. 15 Ag84
- 96290 IONESCU, T. D., and SIMIONESCU, I. The use of ion exchangers in wine stabilization. (Rum) Bucharest. Inst. de Cercet. Aliment. Lucrarile 6:183-191. 1962/1963. 389.9 R86  
English summary.
- 96291 JIMENEZ CUENDE, F. Regulation of the Portuguese grape and wine industry. (Sp) Agricultura [Madrid] 33(383):148-152. Mar.1964. 15 Ag84
- 96292 JONG, B. DE., and WILTEN, W. Large scale malting and brewing trials with different varieties. (Du) Natl. Inst. v. Brouwerst, Mout en Bier—T. N. O. Jaarb. 28:71-80. 1964. 390.9 N21  
English summary.  
Barley.
- 96293 KAUFMANN, H. P., and GUPTA, A. K. S. On the lipoids of coffee beans. V. (Ge) Fette, Seifen, Anstrichmtl. 66(6):461-466. June 1964. 384 C422
- 96294 KIEFE, R. Comparative table of laws and regulations concerning coffee in various countries; examination of the problem of their standardization. (Fr) Cafe Vert 165:1-3. Feb.1964. 286.3689 F31
- 96295 KLEINERT, J. Vanilla and vanillin. Mfg. Confectioner 44(4):37-59. Ref. Apr.1964. 389.8 M31  
Culture, varieties, and processing.
- 96296 KONDO, G. F., and FADENKO, P. S. The role of malic and lactic acid bacteria in the manufacture of sherry. (Rus) Vinodel. i Vinograd. SSSR 2:26-29. 1964. 95.8 V77
- 96297 KO-OPERATIEVE WIJNBOUWERS VERENIGING VAN ZUID-AFRIKA. Annual report 1963. Suider-Paarl, 1964. 16 p. 390.9 K83
- 96298 KRETSCHMER, K. F. Some current malting and brewing problems. (Ge) Brauwelt 104(47):915-924. June 11,1964. 390.8 B732
- 96299 LANG, O. Possibilities of improving beer stability. (Ge) Brauwelt 104(47):925-928. June 11, 1964. 390.8 B732
- 96300 LUCA, I., COTEA, V., and FILIP, D. Radioactivity of wines from the Husi vineyards. (Rum) Jassy. Inst. Agron. "Ion Ionescu de la Brad." Lucrari Sti. 1963:217-221. 106.4 J31L  
French summary.
- 96301 MAIOROV, V. S., SAENKO, N. F., and BEGUNOVA, R. D. Biochemical processes during the aging of champagne wines in production line. (Rus) Vinodel. i Vinograd. SSSR 3:5-10. 1964. 95.8 V77  
Oxidation-reduction potential.
- 96302 MARTINS, A. F. History of coffee in the Northeast. (Por) Rural 43(512):27-29. Dec.1963. 9.2 B733
- 96303 MENCHU, J. F. The excess of silver film in cleaned coffee. (Sp) Cafe Peruano 2(18):8-9. 20. Apr.1964. 68.28 C118
- 96304 MILLER, F. J. Carbon dioxide stability in beverages. Food Technol. 18(6):60-63. June 1964. 389.8 F7398
- 96305 MIRO ESPLUGAS, M. One must drink wine. (Sp) Inst. Agr. Catalan de San Isidro. Rev. 112(8):121-122. Aug.1963. 15 Sa5  
Properties.
- 96306 MORRISON, R. L., and EDWARDS, T. E. Semi-automatic determination of ethanol in wine by the micro-dichromate method. Amer. J. Enol. & Viticult. 14(4):185-193. Oct./Dec.1963. 390.9 Am33
- 96307 MUNICH. WISSENSCHAFTLICHE STATION FUR BRAUEREI. Annual report 1963. (Ge) Brauwelt 104(37):629-636. (Cont.) May 7,1964. 390.8 B732



- 96308 OUGH, C. S., and AMERINE, M. A. Use of grape concentrate to produce sweet table wines. *Amer. J. Enol. & Viticult.* 14(4):194-204. Ref. Oct./Dec.1963. 390.9 Am33
- 96309 OUTLOOK of wine industry for 1964. (Rus) *Vinodel. i Vinograd. SSSR* 3:1-4. 1964. 95.8 V77
- 96310 PATO, O. Notes on rose type wines. (Por) *Granja [Lisboa]* 22(3/4):71-73. July/Dec.1963. 15.5 G76
- 96311 PATRIC, T., RAO, G. R., and JOHAR, D. S. Vinegar from coconut neera and coconut water. *Indian Coconut J.* 17(1):19-24. Oct./Dec.1963. 77.8 In2
- 96312 PEYER, E. Research and practice. (Ge) *Schweiz. Z. f. Obst- u. Weinbau* 73(14):329-331. July 11, 1964. 80 Sch9  
Typified by cooperation between the Swiss Eidgenossische Versuchsanstalt fur Obst-, Wein, und Gartenbau, Wadenswil; the Schweizerischer Weinbau-verein; and the publication Schweizerische Zeitschrift fur Obst- und Weinbau.
- 96313 PEYNAUD, E., and others. Study on Schizosaccharomyces yeasts metabolising L-malic acid. (Fr) *Arch. f. Mikrobiol.* 48(2):150-165. Ref. 1964. 442.8 Ar26  
S. Domercq, A. M. Boidron, S. Lafon-Lafourcade, and G. Guimberteau, joint authors.
- 96314 POUX, CH., FLANZY, C., and FLANZY, M. Alcohol yeasts in wines; proteolysis and proteogenesis. (Fr) *Ann. de Technol. Agr.* 13(1):5-18. Ref. 1964. 14 F8499An  
English summary.
- 96315 PREOBRAZHENSKII, A. A. Manufacture of sherry wine in production line. (Rus) *Vinodel. i Vinograd. SSSR* 2:21-26. 1964. 95.8 V77
- 96316 RECASENS, L. DE. Cure of wine souring. (Sp) *Cult. Mod.* 46(11):419. Nov.1963. 15 C89
- 96317 RIBERAU-GAYON, P. Differentiation of wines by chromatographic analysis of their coloring matter. (Fr) *Indus. Aliment. et Agr.* 80(11):1079-1084. Ref. Nov.1963. 383 As7
- 96318 ROSSI, E. A. Ultraviolet light as an aid in winemaking. *Amer. J. Enol. & Viticult.* 14(4):178-184. Ref. Oct./Dec.1963. 390.9 Am33
- 96319 SCHELLENBERG, A. One hundred years of the Schweizerischer Weinbauverein 1864-1964. (Ge) *Schweiz. Z. f. Obst- u. Weinbau* 73(14):333-376. July 11, 1964. 80 Sch9
- 96320 SCHMID, G. Financing the advertising for wines from East Switzerland. (Ge) *Schweiz. Z. f. Obst- u. Weinbau* 73(13):318-321. June 27, 1964. 80 Sch9
- 96321 SCHWEIZERISCHE ZEITSCHRIFT FUR OBST- UND WEINBAU. 100 Jahre Weinbauverein [Centenary of the [Schweizerischer] Weinbauverein]. *Schweiz. Z. f. Obst- u. Weinbau* 73(14):326-377. July 11, 1964. 80 Sch9
- 96322 SEMENENKO, N. T. The effect of clarification on flavor of common cognacs. (Rus) *Vinodel. i Vinograd. SSSR* 2:29-30. 1964. 95.8 V77  
Gelatin.
- 96323 SIMONOVA, I. M. Utilization of plastics in wine industry. (Rus) *Vinodel. i Vinograd. SSSR* 2:12-14. 1964. 95.8 V77
- 96324 SOUZA, H. S. R. DE. Cooperation in Brazilian wine production. (Por) *Lavoura* 66:6. July/Sept.1963. 9.2 L39
- 96325 SPERLING, M., and AMBROSI, H. Separation of grape must in South Africa. *Wynboer* 392:19-24. May 1964. 390.8 W724
- 96326 SUNTRUP, F. Dortmund's brewing industry in the course of time. (Ge) *Brauwelt* 104(45):822-829. June 4, 1964. 390.8 B732
- 96327 THALER, H. Soluble substances and aromatic constituents of roasted coffee. (Fr) *Cafe Vert* 166:1-2,6. Mar.1964. 286.3689 F31
- 96328 USOV, V. M. Installation for continuous fermentation of fruit and berry juices. (Rus) *Vinodel. i Vinograd. SSSR* 2:57-60. 1964. 95.8 V77
- 96329 VASCONCELOS, J. M. DE. Sulfitation before fermentation and its influence on the "T" indices of Portuguese white wines. (Por) *Granja [Lisboa]* 22(3/4):63-69. July/Dec.1963. 15.5 G76
- 96330 ZICKLER, F. Investigations on the microbiological reduction of acids in wine. (Ge) (Abs.) *Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. II, Natwiss.* 117(7):702-713. Ref. Apr.29, 1964. 448.3 C33  
English summary.
- 96331 ZIMMERMANN, H. W. Studies on the dichromate method of alcohol determination. *Amer. J. Enol. & Viticult.* 14(4):205-213. Oct./Dec. 1963. 390.9 Am33

## DAIRY PRODUCTS

- 96332 ALTENRIED, K. Rationalization in the Algau Emmental cheese district. (Ge) *Molk.- u. Kaserei-Ztg.* 15(5):152-154. Jan.29, 1964. 44.8 M736  
English summary.
- 96333 BIGORRE, R. Dairy production of Denmark in 1963 and production prospects for 1964. (Fr) *Indus. Lait.* 209:115-117. Apr.1964. 44.8 In2
- 96334 BITSCH, W. Insight into Austria's agriculture and dairying. (Ge) *Molk.- u. Kaserei-Ztg.* 14(51/52):1750-1753, map. Dec.18, 1963. 44.8 M736  
English summary.
- 96335 BLAAUW, W. P. M. E.E.C. dairy policy. I. (Du) *Nederland. Zuivelbond. Off. Orgaan* 56(8):161-163. Feb.19, 1964. 44.9 AL3
- 96336 BLAAUW, W. P. M. Is there still more? (Du) *Nederland. Zuivelbond. Off. Orgaan* 56(28):636-637. July 8, 1964. 44.9 AL3  
Dairy policy.
- 96337 BOECK, M. J. F. DE. Chocolate milk. (Fr) *Indus. Lait.* 211:196-199. June 1964. 44.8 In2
- 96338 BOLLESTAD, H. Norske Meierifolks Landsforening, 1919-1945. (No) *Meieriposten* 53(19):439-449. May 9, 1964. 44.8 M47
- 96339 BRENNK, C. VAN. Position of the independent milk dealer; also in rapid development. (Du) *Melk- en Zuivelhandel* 17(5):10-11. Mar.3, 1964. 44.8 M48
- 96340 BURGLER, P. A review of the Schwyz mountain economy and alpine dairy awards in the year 1963. (Ge) *Schweiz. Milchtztg.* 90(57):363. July 17, 1964. 44.8 Sch92
- 96341 DASTOOR, C. D. Pasteurised milk at reasonable price. *Indian Dairyman* 15(6):193, 195-196. June 1963. 44.8 In282  
Worli Dairy Project.
- 96342 DAVIS, J. G., Concerning milk. *Home Econ. & Dom. Subj. Rev.* 10(6):14-16, 21. June 1964. 321.8 H759
- 96343 FITZPATRICK, J. M., and FRENCH, C. E. Impact of seasonality of milk supplies on labor costs and efficiency in dairy manufacturing plants. *Ind. Agr. Expt. Sta. Res. B.* 774, 36 p. Ref. Mar.1964. 100 In2P  
U. S. Dept. of Agriculture, cooperating.
- 96344 14TH DAIRY Week at Kiel. I. (Du) *Misset's "Zuivel"* 70(18):373-374, 376. May 5, 1964. 44.8 N282  
Summaries of papers.
- 96345 14TH DAIRY Week at Kiel. II. (Du) *Misset's "Zuivel"* 70(19):396-399, 401. May 12, 1964. 44.8 N282  
Summaries of papers.
- 96346 GRINDAKER, A. Organization and activities of Norske Meierifolks Landsforening during the first years. (No) *Meieriposten* 53(19):432-439. May 9, 1964. 44.8 M47
- 96347 GUERAULT, A. M. Outlook for the dairy industry in the Tropics. (Ge) *Molk.- u. Kaserei-Ztg.* 15(18):637-638. (Cont.) Apr.29, 1964. 44.8 M736
- 96348 HASSELBACH, VON. Situation and outlook for the milk and dairy products market in Europe. (Ge) *Molk.- u. Kaserei-Ztg.* 15(22):783-784. May 27, 1964. 44.8 M736
- 96349 HIELSCHER, R. Milk trade with or without professional advisory work? (Ge) *Deut. Molk.-Ztg.* 84(46):1659-1660. Nov.14, 1963. 44.8 Su2
- 96350 HOLLARD, M. G. Important aspects of town milk production. *Massey Agr. Col. Dairyfarm-ing Annu.* 1963:51-62. 44.9 M382  
Includes discussion.

- 96351 HOW TO promote a governmental solution to dairy farming stability. (Ja) Dairyman 14(1): 6-9. Jan.1964. 44.8 D1454  
Panel discussion; panel members: M. Nobara, and M. Haga.
- 96352 INTERNATIONAL DAIRY FEDERATION. Annual bulletin 1964. I. Official news and information. Bruxelles, 1964. 94 p. 44.9 In82A  
Text also in French.
- 96353 IRVINE, D. M. Dairy short courses can supply more valuable employees to progressive dairies. Canad. Dairy & Ice Cream J. 42(10):33,42. Oct.1963. 44.8 C162
- 96354 JANSON, A. Some thoughts on dairy education. (No) Meieriposten 53(25):590-593. June 20, 1964. 44.8 M47
- 96355 JURGENS, H. Private milk plants in Weser-Ems. (Ge) Molk.-Ztg. Welt der Milch 18(15): 446-447. Apr.10,1964. 44.8 M735
- 96356 KELLER, H. The problem of the training of apprentices in the dairy industry. (Ge) Molk.- u. Kaserei-Ztg. 15(9):287-289. Feb.26,1964. 44.8 M736  
English summary.
- 96357 KEUNE, K. As dairyman in the U. S. A. (Ge) Molk.- u. Kaserei-Ztg. 14(51/52):1738-1740, 1742-1744, 1746-1748; 15(1):16-17; (4):106-110; (6):190-192; (8):255,258-259; (10):314,316,318. Dec.18,1963, Jan.2,22, Feb.5,19, Mar.4,1964. (Cont.) 44.8 M736  
English summary.
- 96358 KHURODY, D. N. The retrospect and prospect of the World Dairy Project. Indian Dairyman 15(6):177,179-181,183,196. June 1963. 44.8 In282
- 96359 KIERMEIER, F. Thoughts on cheese varieties in the E. E. C. area. (Ge) Deut. Molk.-Ztg. 85 (29):1231-1234. Ref. July 16,1964. 44.8 Su2
- 96360 KOENEN, K. Advisory services for dairies in Nordrhein. (Ge) Teirzuchter 16(13):496-498. July 5,1964. 49 T445
- 96361 KOSTYGOV, V. Dairying in the Soviet Union. (Fr) Indus. Lait. 211:183-186. June 1964. 44.8 In2
- 96362 LANGSLET, S. Activities of Norske Meierifolks Landsforening in the years after 1945. (No) Meieriposten 53(19):449-456. May 9,1964. 44.8 M47
- 96364 LEHMANN, F. Lower Saxony in preparation for incorporation in the E.E.C. (Ge) Molk.-Ztg. Welt der Milch 18(22):678. May 29,1964. 44.8 M735  
Dairy industry.
- 96365 LEHMANN, H. Concentration in the Lower Saxony dairy industry. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(22):849-852. May 28, 1964. 18 N39
- 96366 LE ROUX, G. D. Drakensberg cheese, a new type of cheese. Dairy Indus. J. South. Africa 3 (4):221-223. Nov.1963. 44.8 D1428  
Includes discussion.
- 96367 MASSEY UNIVERSITY COLLEGE. Dairyfarming annual 1963; including the proceedings of the fifteenth annual meeting of dairy farmers conducted by Massey University College, Palmerston North, on May 29-30, 1963. Palmerston North, 1963. 190 p. 44.9 M382
- 96368 MEULEN, A. VAN DER. Changes in the world production and consumption of cheese. (Du) Misset's "Zuivel" 70(15):307,309,311. Apr.14, 1964. 44.8 N282
- 96369 MEYER, C. O. A review of the development of production and marketing of butter. I. (Du) Nederland. Zuivelbond. Off. Orgaan 56(7):135-137. Feb.12,1964. 44.9 AL3
- 96370 MEYER, C. O. A review of the development of production and marketing of butter. II. (Du) Nederland. Zuivelbond. Off. Orgaan 56(8):166-168. Feb.19,1964. 44.9 AL3
- 96371 MILCHHANDELSVERBAND SCHLESWIG-HOLSTEIN. Handbuch des Milchhandels in Schleswig-Holstein [Handbook of the dairy industry in Schleswig-Holstein], 1963/1964. Kiel, 1964. 168 p. 44.9 M595
- 96372 MORISAKI, M. The new budget as seen from dairy farming modernization. (Ja) Dairyman 14(3):6-9. Mar.1964. 44.8 D1454
- 96373 MORK, R. Objectives of the dairy industry and dairy profession in our country during 50 years. (No) Meieriposten 53(27):652-660. (Cont.) July 4,1964. 44.8 M47
- 96374 NEDERLANDSE ZUIVELBOND. Jaarverslag over 1963 [Annual report for 1963]. 's-Gravenhage, 1964. 110 p. 44.9 AL3V
- 96375 NIELSON, V. H. The dairy farmer's dilemma. Mod. Milk Hauler 4(9):10-12,18-19. June 1964. 280,38 M72
- 96376 NISHIYAMA, T. Solving the pessimistic mood of the dairy farming industry with one blow. (Ja) Dairyman 14(4):6-9. Apr.1964. 44.8 D1454  
Situation and outlook.
- 96377 NORSKE MELKEPRODUSENTERS LANDS-FORBUND. Beretning [Report] 1963. Oslo, 1964. 117 p. 44.9 N817
- 96378 OLDACH. Structural development and economic situation of the dairy industry in Lower Saxony. (Ge) Molk.-Ztg. Welt der Milch 18(22): 679-680,682-683. May 29,1964. 44.8 M735
- 96379 PIETTE, R. Reflections on the dairy industry. (Fr) Quebec Lait. 23(4):16-17,25. Apr.1964. 44.8 Q3
- 96380 PRAT, J. DE. Production of milk and dairy products in Holland. (Sp) Cult. Mod. 47(4):123-124. Apr.1964. 15 C89  
Industry.
- 96381 RAKUNO nenkan, 1964 [Dairy yearbook, 1964]. Tokyo, Shin Norin Sha, 1964. 155 p. 44.8 R135
- 96382 THE REPUBLIC of Korea contemplates Japanese dairy cattle. (Ja) Dairyman 13(12):34-35. Dec.1963. 44.8 D1454  
Panel discussion; panel members: K. Nishiwaki, K. Yamashita, M. Yamada, and M. Maniwa.
- 96383 ROF CODINA, J. Dairy production in Denmark. (Sp) Cult. Mod. 46(11):417-418. Nov.1963. 15 C89
- 96384 SCHOBER. Adaptation to requirements of the times. (Ge) Molk.-Ztg. Welt der Milch 18(25): 831-833. (Cont.) June 19,1964. 44.8 M735  
Dairy education.
- 96385 SCHOBER. Adaptation to requirements of the time. (Ge) Molk.-Ztg. Welt der Milch 18(26): 875-876,878. (Cont.) June 26,1964. 44.8 M735  
Training in the dairy industry.
- 96386 SCHWEISHEIMER, C. Soft ices in the United States. (Fr) Indus. Lait. 211:207,209. June 1964. 44.8 In2
- 96387 SJETNE, O. Diploma-ice-the ice cream of the milk plants. (No) Meieriposten 13:288-291. Mar.28,1964. 44.8 M47  
Outlook.
- 96388 STALLINGA, P. Cattle raising and dairy industry in Australia. (Du) Nederland. Zuivelbond. Off. Orgaan 56(18):418-420. (Concl.) Apr.29,1964. 44.9 AL3
- 96389 TORTORELLI, N. Production and consumption of milk and dairy products in Sicily. (It) Mondo del Latte 18(5):411-413. May 1964. 44.8 M74
- 96390 UHLE, H. J. A cost control procedure for dairies without industrial accounting. (Ge) Molk.- u. Kaserei-Ztg. 15(11):352-355. (Cont.) Mar.11,1964. 44.8 M736
- 96391 UHLE, H. J. A procedure for cost control for milk plants without accounting. (Ge) Molk.- u. Kaserei-Ztg. 15(12):386,388,390. Mar.18,1964. 44.8 M736  
English summary.
- 96392 VAN DAM, B. Concerned, but differently. II. (Du) Alg. Zuivelbl. 57(4):68-69. Feb.24,1964. 44.8 AL32  
Dairy policy in the E.E.C.
- 96393 VELTEN, J. Australia's dairy industry. (Ge) Molk.-Ztg. Welt der Milch 18(11):317-320. (Cont.) Mar.13,1964. 44.8 M735
- 96394 VELTEN, J. Australia's dairy industry. (Ge) Molk.-Ztg. Welt der Milch 18(13):393-396. (Cont.) Mar.27,1964. 44.8 M735
- 96395 VELTEN, J. Australia's dairy industry. (Ge) Molk.-Ztg. Welt der Milch 18(14):419-421. (Cont.) Apr.3,1964. 44.8 M735
- 96396 VELTEN, J. Australia's dairy industry. (Ge) Molk.-Ztg. Welt der Milch 18(16):508,510-511. (Cont.) Apr.17,1964. 44.8 M735



- 96397 WEBSTER, H. G. Butter—Ontario's forgotten industry. *Canad. Dairy & Ice Cream J.* 42(8): 30-31. Aug.1963. 44.8 C162
- 96398 WOLFERS, F. 50 years' dairying in North Rhine-Westphalia. (Ge) *Molk.- u. Kaserei-Ztg.* 15(3):64,66-68. Jan.15,1964. 44.8 M736  
English summary.

#### Analysis and Composition

- 96399 AKOPYAN, E. SH. Does carbamide affect biological properties of milk? (Rus) *Veterinariya* 3:88. Mar.1964. 41.8 V6426
- 96400 ALBONICO, F., and GIANANI, L. Research on the presumed sequestration power of polyphosphates on calcium in melted cheeses. (It) *Latte* 38(3):223-228. Ref. Mar.1964. 44.8 L35
- 96401 ALFKE, B., and HALL, H. D. Why milk tests vary. *S. Dak. State Col. Agr. Ext. F.S.* 208,4 p. June 1964. 275.29 So85Fs
- 96402 ANDREEVSKAYA, L. Refractometric method of the determination of protein content of milk. (Rus) *Moloch. Promysh.* 1:34-38. Jan.1964. 44.8 M734
- 96403 ANNIBALDI, S. Caseolytic action of some microorganisms. (It) *Sci. e Tec. Latt.-Casearia* 14(3):2-4. Ref. July/Sept.1963. 44.8 Sci2  
In milk.
- 96404 ANTILA, V. Composition of Finnish milk fat on the basis of results obtained through molecular distillation (UV, gas chromatography, and dilatation). (Ge) *Kieler Milchwirt. Forschber.* 16(3):259-267. 1964. 44.9 K542  
English summary.
- 96405 BENASSI, R. Lipolytic processes in cheese. (It) *Latte* 38(4):335-338. Ref. Apr.1964. 44.8 L35  
Fatty acids.
- 96406 BOCKELMANN, I. VON. Bacteriological milk quality in loose housing. (Sw) *Lantmannen* 75 (3):80-81. Jan.18,1964. 11 L234
- 96407 DEMETER, K. J. On the impression method and its conditional usefulness for the quantitative determination of bacteria on surfaces. (Ge) *Molk.-Ztg. Welt der Milch* 18(27):907-909. July 3,1964. 44.8 M735
- 96408 DONNELLY, C. B., BLACK, L. A., and LEWIS, K. H. Occurrence of coagulase-positive staphylococci in Cheddar cheese. *Appl. Microbiol.* 12(4):311-315. Ref. July 1964. 44.8 Ap5  
Food poisoning in North Central States.
- 96409 DOVLE, H. Testing of pH-meter: glass electrode-pH-tester, type GET. (No) *Meieriposten* 53(15):321-327; (16):348-353. Apr.11-18,1964. 44.8 M47  
Milk testing.
- 96410 FONTANA, P., and COLAGRANDE, O. Specific suppressive power of cow's milk. II. (It) *Latte* 38(4):318-320. Apr.1964. 44.8 L35
- 96411 HELSINGFORS. UNIVERSITET. MIKROBIOLOGIAN LAITOS. Contamination and deterioration of market milk by saprophytic bacteria; final report of research conducted under grant authorized by U.S. Public law 480. Helsinki, 1963? 112 p. Ref. 44.8 H3622  
Project No.: E8-AMS-2(a); Grant No.:FG-Fi-120-61.  
By U. J. Vartiovaara, H. G. Gyllenberg, and M. T. Antila.
- 96412 IENISTEA, C. Some considerations on the microbiological methods of detecting the presence in milk of substances with inhibitory action on lactic bacteria. (Rum) *Indus. Aliment.* 14(8): 317-320,326. Ref. Aug.1963. 389.8 In26
- 96413 IMAMURA, T., and SHIBATA, M. Studies on minerals of milk and milk products. VIII. Cobalt content. (Ja) *Jap. J. Zootech. Sci.* 34(4): 295-299. Ref. Sept.1963. 49 N62  
English summary.
- 96414 ISHII, K. Studies on the serological typing of staphylococci isolated from bovine milk. II-III. *Jap. J. Vet. Sci.* 25(4):243-250; (5):267-275. Ref. Aug.-Oct.1963. 41.8 J27
- 96415 JACOBSEN, K. Rapid method for determining solids-not-fat in milk. (Da) *Maelkeritidende* 77(27):559-564. (Cont.) July 3,1964. 44.8 M26
- 96416 KANDLER, O. Fresh cheese and bacterial content. (Ge) *Molk.- u. Kaserei-Ztg.* 15(12):390-392,394. Mar.18,1964. 44.8 M736  
English summary.
- 96417 KARLIN, R., and BERTOYE, R. A new approach in the study of the vitamin B complex biosynthesis by a bacterium isolated from a food. (Fr) *Soc. de Biol. Compt. Rend.* 158(2): 336-338. 1964. 442.9 P21  
*Brevibacterium linens* isolated from Munster cheese.
- 96418 KOIKE, K., ARIGA, H., and OSUMI, K. Chromatography of whey protein. *J. Biochem.* 55 (5):573-575. May 1964. 385 J822
- 96419 KUMMENEJE, K., and FOSSUM, K. The influence of the milk-mixing equipment on the lipolysis in tank milk. (No) *Meieriposten* 53(26): 620-632. June 27,1964. 44.8 M47  
English summary.
- 96420 KURMANN, J. A. A simple technique for sampling for fermentation control from the rim of 24-hour Emmental cheese. (Ge) *Deut. Molk.-Ztg.* 85(27):1157-1158. July 2,1964. 44.8 Su2
- 96421 LABOTS, H., and BLAAUW, J. Microscopic and bacteriological research of milk and the dried milk prepared from it. (Du) *Alg. Zuivelbl.* 57 (4):73-75. Feb.24,1964. 44.8 AL32
- 96422 LABOTS, H., and BLAAUW, J. Microscopic and bacteriological research on milk and the dried milk prepared from it. (Du) *Misset's "Zuivel"* 70(7):137-139,141. Feb.18,1964. 44.8 N282  
English summary.
- 96423 LABOTS, H., and BLAAUW, J. Microscopic bacterial research of milk and the milk powder prepared from it. (Du) *Melk- en Zuivelhandel* 17(4):8-9. Feb.18,1964. 44.8 M48  
English summary.
- 96424 LENOIR, J. Degradation of proteins in the course of Camembert ripening. (Fr) *Indus. Lait.* 211:202-207. Ref. June 1964. 44.8 In2
- 96425 LHUISSIER, M., and BIETTE, E. The photolysis of milk riboflavin. (Fr) *Ann. de Technol. Agr.* 13(1):77-80. 1964. 14 F8499An  
English summary.
- 96426 LOUISIANA. STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. Dairy food facts. La. U. Agr. Ext. Ext. P. 1380, 6 p.-folder. Apr.1964. 275.29 L93Ep  
Chiefly analysis.
- 96427 MACCALLUM, E. R. Factory quality control of fresh milk. *Dairy Indus. J. South. Africa* 3(4):187,189,191,193. Nov.1963. 44.8 D1428  
Includes discussion.
- 96428 MARTYNOVA, K. The effect of the time of year on composition and properties of condensed milk with sugar. (Rus) *Moloch. Promysh.* 1:15-18. Jan.1964. 44.8 M734
- 96429 MENGEBIER, H. Determination of foreign water in buttermilk. (Ge) *Molk.-Ztg. Welt der Milch* 17(49):1501-1502. Dec.6,1963. 44.8 M735
- 96430 MENNINGER, H. Inhibitors in milk. (Ge) *Molk.-Ztg. Welt der Milch* 17(51/52):1569-1570. Dec.20,1963. 44.8 M735  
Bactericides and bacteriostats.
- 96431 MISHRA, M. Modification and economisation of Singh's method of fat test. *Indian Vet. J.* 41 (5):352-355. May 1964. 41.8 In2  
In milk.
- 96432 MOURGUES, R., and AUCLAIR, J. Methylene blue test with preincubation of samples for testing the bacteriological quality of milk coming from refrigerated farm tanks. (Fr) *Indus. Lait.* 210:152-154. May 1964. 44.8 In2
- 96433 MUMM, H. Comparison of methods for determination of the lactose content of milk. (Ge) *Molk.- u. Kaserei-Ztg.* 15(14):464-466. Apr.1, 1964. 44.8 M736
- 96434 MUMM, H. Comparison of various methods for determining the casein content of milk. (Ge) *Molk.- u. Kaserei-Ztg.* 15(13):434-435. Mar.27,1964. 44.8 M736
- 96435 NAGASAWA, T. Recent problems in the formation of cheese flavors. (Ja) *Jap. J. Zootech. Sci.* 34(5):303-310. Ref. Oct.1963. 49 N62  
Cheese chemistry—a literature review.

- 96436 NIELSEN, A. Solids and protein in returned milk. (Da) *Maelkeritidende* 77(18):355-358. May 1, 1964. 44.8 M28
- 96437 PAMPARI, G. Catalases of the genus *Pedio-coccus*. (It) Milan. U. Cattolica del Sacro Cuore. *Facol. di Agr. Ann. (n.s.)* 3(3):525-553. Ref. Dec. 1963. 16 M582  
English summary.  
Of interest in the dairy industry.
- 96438 PINO, N., and CHIOFALO, L. Research on the correlation between specific gravity and electric conductivity of cow's milk. (It) *Zootec. e Vita* 6(1):9-21. Jan./Mar. 1963. 49 Z73
- 96439 PROBST, A. Fat content and protein count of cheese milk. (Ge) *Molk.-u. Kaserei-Ztg.* 15(13):428, 430-432. (Cont.) Mar. 25, 1964. 44.8 M736
- 96440 PROBST, A. Fat content and protein determination in milk for cheese manufacture. (Ge) *Molk.-u. Kaserei-Ztg.* 15(14):467-468. Ref. Apr. 1, 1964. 44.8 M736
- 96441 ROZHANSKII, M. O., and BOROVOK, A. A. Express method for quantitative determination of protein in cow and horse's milk using Acid Blue Black. (Rus) *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A.* 90:73-79. 1963. 20 M857
- 96442 SAITO, Z., and HASHIMOTO, Y. The milk lipases. V. Effects of surface-active agents and ethylenediaminetetraacetate on lipases and purification of lipases by chromatography on anion-exchange cellulose. *Jap. J. Zootech. Sci.* 34(6):393-403. Ref. Dec. 1963. 49 N62
- 96443 SCHMIDT, D. G. Composition of casein. (Du) *Alg. Zuivelbl.* 57(12):261, 263-264. Ref. June 15, 1964. 44.8 AL32
- 96444 SCHMIDT, D. G. Composition of casein. (Du) *Misset's "Zuivel"* 70(24):547, 549-550. June 16, 1964. 44.8 N282
- 96445 SCHMIDT, D. G. Composition of casein. (Du) *Nederland, Zuivelbond, Off. Orgaan* 56(26):604-605, 607. Ref. June 24, 1964. 44.9 AL3
- 96446 SCORTESCU, G., and SOLOMON, E. Investigations of the natural and acquired resistance of the lactic bacteria to antibiotics. (Rum) *Bucharest. Inst. de Cercet. Aliment. Lucrarile* 6:165-172. 1962/1963. 389.9 R86  
English summary.
- 96447 TRENDTEL, The influence of milk on caffeine and the diuretic effect of caffeine with added milk. (Ge) *Molk.-Ztg. Welt der Milch* 18(8):237. Feb. 21, 1964. 44.8 M735
- 96448 UDY, D. C. Test for protein. *Milk Dealer* 53(10):M4. July 1964. 44.8 M595
- 96449 VERMA, M. R., RAI, J., and GANGOPADHYAYA, N. Chromatographic method for the separation of dyes from butter & their identification. *Indian J. Technol.* 1(9):358-360. Sept. 1963. 475 In22
- 96450 WALLACE, W. R. Milk fat decomposition. *Diss. Abs.* 24(12, pt. 1):4974-4975. June 1964. 241.8 M58
- 96451 WHITE, J. C. Sediment in milk to get closer scrutiny: USDA has outlined new standards for testing milk and milk products. *Amer. Milk Rev.* 26(7):44, 70-71. July 1964. 44.8 Am38
- 96452 YOSHIDA, S., ARIMA, S., and HASHIMOTO, Y. A study of casein micelle. I. Effect of heat on casein micelle. (Ja) *Jap. J. Zootech. Sci.* 34(6):375-379. Ref. Dec. 1963. 49 N62  
English summary.
- Consumption and Utilization
- 96453 ANTILA, M. New possibilities for the utilization of milk fat. (Sw) *Mejeritidskrift* 25(3):88-90. June 1963. 44.8 M472  
Finland.
- 96454 HAMMETT, R. A., and BLACKSTONE, J. H. Alabama urban homemakers and milk products. *Ala. Agr. Expt. Sta. B.* 352, 47 p., map. June 1964. 100 AL15  
Includes milk consumption and attitudes toward dairy products.
- 96455 WOOD, F. W. Consumers heartily approve of homogenized butter. *Canad. Dairy & Ice Cream J.* 42(10):32, 43. Oct. 1963. 44.8 C162
- Distribution, Marketing, and Transportation
- 96456 BAART, F. Now is there music? (Du) *CMC Melk* 20:354. Feb. 8, 1964. 44.8 C11  
Dairy products marketing.
- 96457 BLAAUW, W. P. M. New marathon conference coming. (Du) *Nederland. Zuivelbond. Off. Orgaan* 55(49):1137-1138. Dec. 4, 1963. 44.9 AL3  
On dairy products marketing and prices in the European Economic Community.
- 96458 DE ZUIVELCOOPERATIE in het Oosten van Nederland [Dairy cooperation in the East of the Netherlands]. *Nederland. Zuivelbond. Off. Orgaan (spec. issue)*, 64 p., map. Nov. 1963. 44.9 AL3
- 96459 GABRIELSEN, H. Why don't milkmen drink milk? *West. Dairy Foods* 68(7):10-11. July 1964. 286.85 P11  
Promotion.
- 96460 GELTON, J. Milk marketing in New Zealand. (Du) *Misset's "Zuivel"* 69(43):1080-1081, 1083. Oct. 22, 1963. 44.8 N282
- 96461 GELUK, J. A. Successful cooperation which still does not go far enough. (Du) *CMC Melk* 20(2):18. May 2, 1964. 44.8 C11  
Coöperatieve Melkcentrale.
- 96462 GIMMLER, W. The market for milk and dairy products in 1963. (Ge) *Molk.-Ztg. Welt der Milch* 18(1):6-8. Jan. 3, 1964. 44.8 M735
- 96463 HAPP, Milk transportation—quality—milk cooling an actual problem. (Ge) *Tierzuchter* 15(23):847-848. Dec. 5, 1963. 49 T445  
Milk tanks, chiefly.
- 96464 HARTOG, G. DEN. Milk transportation in the future. (Du) *CMC Melk* 19(18):324-325. Jan. 11, 1964. 44.8 C11
- 96465 KIEFER, A. Thoughts on the rationalization of fluid milk markets in Nordrhein-Westfalen. (Ge) *Molk.-u. Kaserei-Ztg.* 15(6):184-186, 188-189. Feb. 5, 1964. 44.8 M736  
English summary.
- 96466 LEALI, L., and PASTORE, M. Experiments on the bulk transportation of milk. II. (It) *Latte* 38(3):214-222. Mar. 1964. 44.8 L35  
English summary.
- 96467 LEHMANN, F. The Berlin milk market considered from the West German point of view. (Ge) *Molk.-u. Kaserei-Ztg.* 15(4):92-94. Jan. 22, 1964. 44.8 M736  
English summary.
- 96468 LUTHER, E. We housewives and advertising for milk and dairy products. (Ge) *Molk.-u. Kaserei-Ztg.* 15(16):525-526. Apr. 15, 1964. 44.8 M736
- 96469 MAHN, H. Trade with cheese and its function in the market situation. (Ge) *Deut. Molk.-Ztg.* 85(24):1053-1054. June 11, 1964. 44.8 Su2
- 96470 MARQUARDT, H. G. The central marketing organization of the German dairy industry. (Ge) *Molk.-u. Kaserei-Ztg.* 15(7):215-218, 220. Feb. 12, 1964. 44.8 M736  
Milch- Fett- und Eier-Kontor G.m.b.H. and its cheese packing operations.
- 96471 MARYLAND AND VIRGINIA MILK PRODUCERS ASSOCIATION. 44th annual report for the year ended December 31st 1963. Arlington, Va., 1964. 29 p. 280.2449 M363
- 96472 MEER, TH. C. VAN DER. "De Hanze" coop. in the Hague in liquidation. (Du) *Melk- en Zuivelhandel* 16(24):5. Nov. 26, 1963. 44.8 M48
- 96473 MEJERIFORBUNDET ENIGHETEN. *Arsberattelse [Annual report]* 1963. Vasa, 1964. 41 p. 44.9 M47
- 96474 MITTER, A. K. Some thoughts on how to use our surplus butter-fat to better advantage. *Indian Dairyman* 17(5):165-169. May 1964. 44.8 In282
- 96475 MROZEK, H. Plastic pipes for milk transportation in the mountain economy. (Ge) *Molk.-u. Kaserei-Ztg.* 15(22):790-793, map. May 27, 1964. 44.8 M736
- 96476 NEITZKE, A. Market development. (Ge) *Kieler Milchwirt. Forschber.* 16(3):233-243. 1964. 44.9 K542  
English summary.



- 96477 NORGAARD, P. Cheese marketing—before, now and in the future. (Da) Maelkeritidende 77(16): 303-313. Apr.17,1964. 44.8 M26
- 96478 RUHNAU, B. The quality of milk and dairy products with between-plant deliveries. (Ge) Molk.-Ztg. Welt der Milch 18(10):289. Mar.6, 1964. 44.8 M735
- 96479 SEELEMANN, M. Milk quality and tank transport. (Ge) Molk.- u. Kaserei-Ztg. 15(11):356-358. Mar.11,1964. 44.8 M736
- 96480 SLAGSVOLD, P. Possibilities for marketing of milk and milk products. (No) Buskap og Avdratt 15(4):158-162. 1963. 49 B96  
Text of interview.
- 96481 SOUTH ISLAND DAIRY ASSOCIATION (NEW ZEALAND). Annual report and accounts for the year ended 31st March 1964. Invercargill, 1964. 10 p. 280.2449 So82A  
Library has also report for 1963.
- 96482 STALLINGA, P. New Zealand and its agriculture. VI. (Du) Nederland. Zuivelbond. Off. Orgaan 56(6):123-124. Feb.5,1964. 44.9 AL3  
Milk transportation.
- 96483 SVENDSEN, K. Selling trends for dairy products in Sweden. (Ge) Molk.-Ztg. Welt der Milch 17(51/52):1596-1597. Dec.20,1963. 44.8 M735
- 96484 VALIO, MEIJERIEN KESKUSOSUUSLIKE. Suomen osuusmeijerien liiketilasto [Statistics of cooperative dairies in Finland], 1962, v. 49. Helsinki, 1963. 144 p. 44.9 V23S  
Some table headings also in English.
- 96485 VAN EEDEN, D. K. Observations on an alternative milk purchasing basis. (Af) Dairy Indus. J. South. Africa 3(4):210-220. Nov.1963. 44.8 D1428  
Includes discussion.
- 96486 WIRRIGER, T. The E.E.C. milk market regulation and the German butter market. (Ge) Molk.-Ztg. Welt der Milch 18(13):383-385. Mar.27,1964. 44.8 M735
- 96497 EECKHAUT, R. G. A special falsification of butter. (Fr) Fermentatio 2:83-91. Ref. 1964. 390.8 F38
- 96498 GINKEL, J. G. VAN. The Rijkszuivelstation today. (Du) Veeteelt en Zuivelber. 3(12):553-557. Dec.1963. 49 V51  
Its work with dairy products quality and inspection.
- 96499 GODED Y MUR, A. El sabor oxidado de la leche: causas, medida, correccion [The oxidative flavor of milk: causes, measurement, correction]. An. de Lactologia y Quim. Agr. de Zaragoza 7,21 p. 1963. 385 An13
- 96500 HASLINGER, H. "Drinking milk" is at least 3% partially skimmed. (Ge) Deut. Molk.-Ztg. 85(27):1155-1157. Ref. July 2,1964. 44.8 Su2  
Regulation.
- 96501 IOTOV, L. IKONOMOV, L., and TODOROV, D. Nedostatutsi i patogenni bakterii pri byaloto salamureno sirene i kashkavala [Faults and pathogenic bacteria of Bryndza and Katschka-valj cheese]. Sofiya, Izdatel'stvo na Bulgarskata Akademiya na Naukite, 1963. 181 p. 448.2 Io8
- 96502 JAYARAMAN, D. Total solids-milk as quality factor and basis for payment. Indian Dairyman 16(3):111-113. Mar.1964. 44.8 In282
- 96503 JOHANNSMANN, H. Legal prescriptions and measures for the inspection of cheese during manufacture and in the trade. (Ge) Molk.-Ztg. Welt der Milch 18(13):400-401. (Cont.) Mar.27,1964. 44.8 M735
- 96504 JORGENSEN, K. L. Penicillin troubles. (Da) Danske Dyrægefor. Medlemsbl. 47(13):635-646. July 1,1964. 41.9 D23  
Residues in milk with special reference to cheese manufacture.
- 96505 KARAVAEV, V. M., and PENIONZHKO, A. M. Radioactive contamination of milk and meat; a survey. (Rus) Veterinariya 3:89-92. Mar. 1964. 41.8 V6426  
Review of literature.
- 96506 KAY, H. Efforts of the dairy industry for an international ice cream standard. (Ge) Molk.-Ztg. Welt der Milch 18(9):255-256,258. Feb.28, 1964. 44.8 M735
- 96507 KIERMEIER, F., GANZ, A., and WILDBRETT, G. The problem of residues of chlorinated hydrocarbon insecticides in milk. (Ge) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 124(4):252-257. Ref. 1964. 384 Z39
- 96508 KOBAYASHI, M., HASHIMOTO, Y., and OURA, Y. Restricting unclean milk. (Ja) Dairyman 13(8):34-35. Aug.1963. 44.8 D1454
- 96509 KOCH, G. 2d DLG quality judging for fresh cheese in consumer packages. (Ge) Deut. Molk.-Ztg. 85(27):1159-1160. July 2,1964. 44.8 Su2
- 96510 KRAUS, H. New tasks in milk sanitation and its role in the increase of milk consumption. (Ge) Arch. f. Lebensmtlhyg. 15(5):97-101. May 20,1964. 41.8 L49  
Includes veterinarians role.
- 96511 KREDIET, P. The consumer and butter. (Du) Misset's "Zuivel" 70(19):392-393. May 12, 1964. 44.8 N282  
Quality problems.
- 96512 LEHMANN, F. Smell test of farmer-delivered milk. (Ge) Molk.- u. Kaserei-Ztg. 14(48): 1639-1641. Nov.27,1963. 44.8 M736  
English summary.
- 96513 LIGUGNANA, E. The future is entrusted to the system of milk evaluation. (It) Latte 37(6): 523-524. June 1964. 44.8 L35
- 96514 MCGILL, R. Practical sanitation. (Fr) Quebec Lait. 23(6):24,26. June 1964. 44.8 Q3
- 96515 MYRICK, N. Milk, men and megatons. Vt. Dairy Indus. & Plant Oper. Assoc. Papers Annu. Conf. 42:28-31. 1963. 44.9 V593  
Radiation protection.
- 96516 NATIONAL ADVISORY COMMITTEE ON COORDINATION OF DEFINITIONS, STANDARDS AND LABELING REQUIREMENTS FOR DAIRY PRODUCTS. Report, by H. J. Barnum. Assoc. Food & Drug Off. U. S. Q. B. 28(2):97-104. Apr.1964. 389.9 As7Q

#### Grading, Inspection, Standardization, and Quality

- 96487 ANDERS, H. Research on the keeping quality of dried milk in storage. (Ge) Molk.-Ztg. Welt der Milch 18(3):63-64. Jan.17,1964. 44.8 M735
- 96488 ANNIBALDI, S. Research on the 90Sr content of cheeses. III. (It) Latte 37(6):535-537. Ref. June 1964. 44.8 L35
- 96489 BRANDL, E. The origins of cooked taste in butter. (Ge) Osterr. Milchwirt. 18(22):393-396. Ref. Nov.21,1963. 44.8 Os72
- 96490 BRENET, G., and others. Bitter and viscous paste of Gruyere. (Fr) Indus. Lait. 209:125-127. Apr.1964. 44.8 In2  
M. Feuillat, T. Feuillat, and Nicollet, joint authors.
- 96491 CHAVAN, I. G. Flavour defects in milk. Indian Dairyman 15(6):201-202. (Cont.) June 1963. 44.8 In282
- 96492 CIUSA, W., and LIPPARINI, L. Annotations and experiments on the problem of addition of formaldehyde to milk. (It) Rass. Chim. 15(6): 259-264. Ref. Nov./Dec.1963. 385 R18  
Literature review on toxicity and properties.
- 96493 COMAR, C. L. Factors influencing the biological availability of fallout radionuclides for animals and man. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 22(6,pt.1):1402-1409. Ref. Nov./Dec.1963. 442.9 F31P  
Secretion of radioactive substances in milk and effects of dietary composition on its uptake by man.
- 96494 DEMETER, K. J. New material on the building of aroma in Cheddar cheese. (Ge) Molk.-Ztg. Welt der Milch 18(1):5-6. Jan.3,1964. 44.8 M735
- 96495 DENMARK. STATENS SMORBEDOMMELSER. Arsberetning [Annual report] 1963. Kobenhavn, 1964. 21 p. 44.9 D415
- 96496 DREWS, M. Problems of quality and yield in case of cheese. (Ge) Molk.- u. Kaserei-Ztg. 15(1):9-12,14-15. Jan.2,1964. 44.8 M736  
English summary.

- 96517 NESBITT, J. M. A discussion on the standards of composition for butter. *Canad. Dairy & Ice Cream J.* 42(9):38,48-49. Sept.1963. 44.8 C162
- 96518 NIKULICHEV, P., and KUZOVLEVA, G. The effect of various ways of preparation of milk cream on quality of butter. (Rus) *Moloch. Promysh.* 1:31-33. Jan.1964. 44.8 M734  
Includes pasteurization.
- 96519 PETERS, I. I. Variations in milk quality; some causes, some cures. *Tex. Agr. Prog.* 10(3):20-21. Summer 1964. 100 T31Te  
Includes freezing point.
- 96520 POLIKOFF, H. Some recent developments in dairy laws and regulations. *Ice Cream Field* 84(1):20,36-37. July 1964. 389.8 Ic23
- 96521 PURI, T. R., and others. Price fixation of milk on the basis of M.B.R. time. *Indian Dairyman* 16(4):137-138. Apr.1964. 44.8 In282  
A. T. Dudani, V. N. Amble, B. Marutiram, and K. K. Iya, joint author's.
- 96522 RAMIREZ M., E. Relation of the use of tygon plastic tubing to the incidence of solar activated flavor in milk products. *Ceiba* 10(1):57-62. Ref. Mar.1964. 475 C32
- 96523 ROHR, E. Thoughts on milk grading. (Ge) *Deut. Molk.-Ztg.* 85(29):1236-1237. July 16, 1964. 44.8 Su2
- 96524 SAITNER, M. DLG cheese test 1964. (Ge) *Molk.-Ztg. Welt der Milch* 18(27):911-913. July 3, 1964. 44.8 M735
- 96525 SCHULZ, M. E. Thoughts on the modification of the German cheese regulations. (Ge) *Molk.-u. Kaserei-Ztg.* 14(50):1700-1702,1704-1709. Dec.11,1964. 44.8 M736  
English summary.
- 96526 SEELEMANN. The quality of milk must be further improved. (Ge) *Molk.-u. Kaserei-Ztg.* 15(18):639-640. Apr.29,1964. 44.8 M736
- 96527 TIERSMA, P. Does copper contamination of milk also influence the quality of cheese? (Du) *Misset's "Zuivel"* 69(43):1083,1085. Oct.22, 1963. 44.8 N282

#### Packing and Packaging

- 96528 CAMPHAUSEN, H. On bottle washing. (Ge) *Deut. Molk.-Ztg.* 85(26):1119-1121. June 25, 1964. 44.8 Su2
- 96529 FLUCKIGER, E., and HEUSCHER, E. Changes in the gas composition in cheese packages and their importance for the keeping quality of the packed cheeses. (Ge) *Schweiz. Milchztg.* 90(57):363-365. July 17,1964. 44.8 Sch92
- 96530 HARTUNG, R. E. Economic impact of the all-plastic milk container. *Milk Dealer* 53(10):48. July 1964. 44.8 M595
- 96531 KOENEN, K. Butter portions packed in cups. (Ge) *Molk.-u. Kaserei-Ztg.* 15(10):312-313. Mar.4,1964. 44.8 M736
- 96532 KOENIG, W. F. Modern packing of milk and dairy products in France. (Ge) *Molk.-Ztg. Welt der Milch* 18(22):687. May 29,1964. 44.8 M735
- 96533 MOL, J. J., and STADHOUDERS, J. Improvement of the possibilities of distributing cheese packed in plastic foils with the help of metal drums. (Du) *Alg. Zuivelbl.* 57(6):108-111. Mar.23,1964. 44.8 AL32
- 96534 MOL, J. J., and STADHOUDERS, J. Improvement of the possibilities of distribution of cheese packed in plastic foil with the help of metal drums. III. (Du) *Melk- en Zuivelhandel* 17(6):11-12. Mar.17,1964. 44.8 M48
- 96535 MUNSTER, W. Disposable containers for dairy products. (Ge) *Molk.-Ztg. Welt der Milch* 18(22):688,690,692. (Cont.) May 29, 1964. 44.8 M735
- 96536 MUNSTER, W. Materials for cardboard containers. (Ge) *Molk.-Ztg. Welt der Milch* 18(25):843-844,846. June 19,1964. 44.8 M735
- 96537 PELTOLA, E., and ANTILA, P. Sanitary tests of milk cans on private farms. (Sw) *Mejeritidskrift* 25(5):172-174. Oct.1963. 44.8 M472

- 96538 RADEMA, L., and others. Aseptically bottled, running sterilized milk. (Du) *Melk- en Zuivelhandel* 16(18):8-9. Sept.3,1963. 44.8 M48  
H. Labots, T. Robbertsen, and G. Hup, joint authors.

#### Prices, Price Control, and Rationing

- 96539 BECUE, J. G. European dairy regulation and its first application measures. (Fr) *Indus. Lait.* 210:155-160. May 1964. 44.8 In2  
Price policy in the European Common Market.
- 96540 FRICKE, A. Thoughts on the Federal equalization and its practical execution according to the new §12 of the MFG. (Ge) *Molk.-u. Kaserei-Ztg.* 15(22):786-787, map. May 27,1964. 44.8 M736  
Supports in the milk industry.
- 96541 KEUS, M. Settlement of the milk price year 1962/1963. (Du) *CMC Melk* 19(18):326. Jan.11, 1964. 44.8 C11  
On the dairy fund of the Produktschap voor Zuivel.
- 96542 KURZE, W. Section 4 of the provincial milk price regulation. (Ge) *Molk.-u. Kaserei-Ztg.* 15(8):250-254. Feb.19,1964. 44.8 M736
- 96543 LEMBERG, B. Seasonal pricing of milk. (Sw) *Mejeritidskrift* 25(3):103-104. June 1963. 44.8 M472  
Finland.  
Commentaries by L. Ehrnrooth and G. Hollsten, p.105-107.
- 96544 MATTSSON, R. Price distribution in the dairy industry in Norway. (Sw) *Mejeritidskrift* 25(4):131-134. Aug.1963. 44.8 M472
- 96545 MATTSSON, R. Price spreading in the dairy industry in Sweden. (Sw) *Mejeritidskrift* 25(3):91-93. June 1963. 44.8 M472
- 96546 MENDIZABAL, O. L. The price of milk for the Federal Capital and Greater Buenos Aires. (Sp) *Indus. Lech.* 46(534/535):9-12. Jan./Feb. 1964. 44.8 In26
- 96547 PAWLIKOWSKI, A. New prices for milk purchasing. (Pol) *Przegl. Hodowlany* 32,i.e.31 (11):6-8. Nov.1963. 49 P952
- 96548 PURI, T. R., and IYA, K. K. Basis for the price fixation of milk. *Indian Dairyman* 16(3):105-108. Mar.1964. 44.8 In282
- 96549 SVENDSEN, K. Price and consumption trends for dairy products in 1963. (Sw) *Mjolkpropaganda* 41(3):75. 1964. 44.8 M692
- 96550 UHLE, H. J. On the realization of comparisons made in the field of milk prices paid by the different dairies with a view to establishing reasonable cost rates in the different groups of manufacture. I.-II. (Ge) *Molk.-u. Kaserei-Ztg.* 15(3):69-72. Jan.15,1964. 44.8 M736  
English summary.

#### Processing and Storage

- 96551 AA, F. B. VAN DER. Sanitation in the dairy plant. (Du) *Misset's "Zuivel"* 69(48):1223, 1225. Nov.26,1963. 44.8 N282
- 96552 ACCOLAS, J. P., and AUCLAIR, J. Bacteriological study of starters used in Gruyere cheese-making. (Fr) *Ann. de Technol. Agr.* 13 (2):85-96. Ref. 1964. 14 F8499An  
English summary.
- 96553 ALBU, M. The application of low temperatures to milk production and transport. (Rum) *Indus. Aliment.* 14(12):481-490. Dec.1963. 389.8 In26
- 96554 ANDERSEN, G. Interactions between carrageenins and milk proteins. *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.:377-384. 1961, pub. 1964. 461.4 In8  
Stabilizing cocoa milk.
- 96555 ARBUCKLE, W. S. Flavor technology: flavors in ice cream. *Ice Cream Trade J.* 60(5):40,42, 97-99. Ref. May 1964. 389.8 Ic2



- 96556 ARENTZEN, A. G. J. Continuous coagulation of milk. (Du) Nederland. Zuivelbond. Off. Orgaan 56(18):410-414. Ref. Apr.29,1964. 44.9 AL3  
English summary.
- 96557 ARENTZEN, A. G. J. Continuous preparation of curds. (Du) Alg. Zuivelbl. 57(8):163,165, 167,169-170. Ref. Apr.20,1964. 44.8 AL32
- 96558 ARENTZEN, A. G. J. Continuous preparation of curds. (Du) Melk- en Zuivelhandel 17(8):10-11. Ref. Apr.14,1964. 44.8 M48  
English summary.
- 96559 ARENTZEN, A. G. J. Continuous preparation of curds. (Du) Misset's "Zuivel" 70(15):312-313,315-316. Ref. Apr.14,1964. 44.8 N282  
English summary.
- 96560 AUREL, C., BERCESCU, V., and CRISTEA, S. Researches on ice-cream technology. (Rum) Bucharest. Inst. de Cercet. Aliment. Lucrarile 6:103-119. 1962/1963. 389.9 R86  
English summary.
- 96561 BAYER, A. H. Flavors for profit—vanilla—more promotion and emphasis needed. Ice Cream Trade J. 60(5):59-60. May 1964. 389.8 Ic2
- 96562 BELGIAN study session on cheese manufacture. (Du) Misset's "Zuivel" 70(18):368-369,371. May 5,1964. 44.8 N282  
Summaries of papers.
- 96563 BERGE, J. Production of "fresh pastes." (Fr) Indus. Lait. 210:146-151. May 1964. 44.8 In2  
Processed cheese.
- 96564 BHASIN, L. P. Processing of butter on continuous production lines in U.S.S.R. Indian Dairyman 16(4):128-129,132-133,135. Apr.1964. 44.8 In282
- 96565 BOKA, V. P. Sonic and ultrasonic cleaning. Milk Dealer 53(10):41,56. July 1964. 44.8 M595
- 96566 BONSMAN, F. N. Priorities in dairy research. Dairy Indus. J. South. Africa 3(4):165,167,169, 171. Nov.1963. 44.8 D1428
- 96567 BOTTAZZI, V. Effects of treatment with titration-cleaner centrifuge on Grana cheese manufacture. (It) Latte 38(3):207-209. Mar.1964. 44.8 L35
- 96568 BULLOCK, D. H. Concentrated milk proves to be boon to consumers in some areas. Canad. Dairy & Ice Cream J. 42(12):18-19,32. Dec. 1963. 44.8 C162
- 96569 CHAPLIN, J. B. Some modern trends taking place in the British and European cheese industry. Dairy Indus. J. South. Africa 3(4):195,197-201. Nov.1963. 44.8 D1428  
Includes discussion.
- 96570 CHINTESCU, G., LEFTER, D., and ALEXANDRESCU, M. Investigations on the reduction of the sour cream acidity with neutralizing substances, in view of butter manufacture. (Rum) Bucharest. Inst. de Cercet. Aliment. Lucrarile 6:149-158. 1962/1963. 389.9 R86  
English summary.
- 96571 COIGNERAI-DEVILLERS, L. Bacteriological sanitation of the dairy industry. (Fr) Indus. Lait. 209:118-121. Apr.1964. 44.8 In2
- 96572 DAMEROW, G. On the continuous addition of fat to separator curds. (Ge) Molk.- u. Kaserei-Ztg. 15(21):747-750,752. May 20,1964. 44.8 M736
- 96573 DAMM, H., and MROZEK, H. On quaternary ammonium compounds. (Ge) Molk.-Ztg. Welt der Milch 18(22):697-698,700-702,704. May 29, 1964. 44.8 M735
- 96574 DELFORNO, G. Experimental results in the use of alginates in the manufacture of soft cheeses. (It) Latte 38(4):311-316. Apr.1964. 44.8 L35  
French summary.
- 96575 DROSLER, G. Yoghurt—a fermented milk drink, to which more attention is due. (Ge) Osterr. Milchwirt. 18(22):397-400. Nov.21, 1963. 44.8 Os72  
Manufacture.
- 96576 EKMAN, J. Do we need research? (Sw) Mjolkpropagandan 41(3):59. 1964. 44.8 M692  
In the dairy industry.
- 96577 FAROOQUEE, M. A. Vitamin A in some foods supplied to the defence forces and its behavior during storage. Part II. Ghee milk (Pakistan). Pakistan J. Sci. 15(3):111-114. May 1963. 475 P172
- 96578 FRAZEUR, D. R. Common problems in making fruit-flavored ice cream. Ice Cream Trade J. 60(5):29,91-94. May 1964. 389.8 Ic2
- 96579 GALESLOOT, T. E. On the joint operation of salt and nitrate in the control of butyric acid fermentation in Gouda and Edam cheese. (Du) Misset's "Zuivel" 69(51):1295-1297,1299. Dec.17,1963. 44.8 N282
- 96580 GALESLOOT, T. E. On the total effect of salt and nitrate in control of butyric acid fermentation in Gouda and Edam cheese. (Du) Nederland. Zuivelbond. Off. Orgaan 55(51/52):1185-1188. Dec.18,1963. 44.9 AL3
- 96581 GEBHARDT, H. Bactofuged milk—a new process. (Ge) Molk.- u. Kaserei-Ztg. 15(22):788-789. May 27,1964. 44.8 M736
- 96582 GEBHARDT, H. Thirty years of hermetic Alfa-Laval milk separators. (Ge) Molk.-Ztg. Welt der Milch 17(51/52):1577-1580. Dec.20,1963. 44.8 M735
- 96583 GODBERSEN, G. W. The usability of buffalo's milk for the manufacture of modern dairy products. (Ge) Molk.-Ztg. Welt der Milch 18(22):708,710-712. Ref. May 29,1964. 44.8 M735
- 96584 GONZALEZ MARTINEZ, A. Investigation relative to the manufacture of ten types of yoghurt (natural and flavored) and variations in quality from modifications adopted in the manufacturing process. (Sp) Ion 24(273):184-189,230. (Cont.) Apr.1964. 385 Io6
- 96585 GRAF, T. F. Trends and impact of sterilized dairy products. Milk Dealer 53(10):44-46. July 1964. 44.8 M595
- 96586 GREENFIELD, J. R. Automation and cleaning. Milk Dealer 53(10):36-37,40. July 1964. 44.8 M595
- 96587 GRITSENKO, T. T. Biosynthesis of vitamin B<sub>12</sub> by microflora of kumiss. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:86-92. Ref. 1963. 20 M857
- 96588 HARTWIG, H. The development of new dairy products. (Ge) Molk.- u. Kaserei-Ztg. 15(15):492-494. (Cont.) Apr.8,1964. 44.8 M736
- 96589 HARTWIG, H. Development of new dairy products. (Ge) Molk.- u. Kaserei-Ztg. 15(16):549, 552-555. (Cont.) Apr.15,1964. 44.8 M736  
Includes marketing.
- 96590 HURT, E. D., and GELDART, F. R. The dairy uses of iodophors. Agr. & Vet. Chem. 5(2):33-35. Mar./Apr.1964. 382 Ag82
- 96591 HUWE, K. H. Problems of subsequent printing of cask and block butter. (Ge) Molk.- u. Kaserei-Ztg. 15(7):221-223. Feb.12,1964. 44.8 M736  
English summary.
- 96592 IMAMURA, T., and KATAOKA, K. Biochemical studies on the manufacturing of Roquefort type cheese, I-II. (Ja) Jap. J. Zootech. Sci. 34(5):344-353. Ref. Oct.1963. 49 N62  
English summaries.  
I, Lipase-producing ability of *Penicillium roqueforti*; II, Characteristics of lipases produced by *Penicillium roqueforti*.
- 96593 INDIA. NATIONAL DAIRY RESEARCH INSTITUTE, KARNAL. Report for the year ending 30th June 1961, report No. 21 [i.e. 20]. Fari-dabad, 1963. 91 p. 44.9 Im7
- 96594 IONKINA, A. A. Effect of thermal processing of milk on whey proteins. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:80-85. 1963. 20 M857
- 96595 JOHANNSEN, G. B. Some facts about starters. (Ge) Molk.- u. Kaserei-Ztg. 15(9):282-286. Feb.26,1964. 44.8 M736  
English summary.  
Cheese.
- 96596 JOHNSON, G. R. Planning, innovations provide solutions to problems of cheese warehousing and handling. Mfr. Milk Prod. J. 55(3):7-8. Mar.1964. 286.85 B98Bu

- 96597 KAWASHIMA, T., KODAMA, T., and MAENO, M. A study on the preserving method of lactic acid bacteria by freezing. II. Maintenance of yoghurt culture below freezing point. (Ja) Jap. J. Zootech. Sci. 34(4):288-294. Ref. Sept.1963. 49 N62  
English summary.  
Lactobacillus bulgaricus and Streptococcus thermophilus.
- 96598 KELLERMANN, On the range of work of the dairy research establishments. (Ge) Molk.-Ztg. Welt der Milch 18(16):505-506. Apr.17, 1964. 44.8 M735
- 96599 KIIS, A. Distribution of temperature field when sterilizing bottled milk with heat. (Rus) Estonskaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov 30:183-189. Ref. 1963. 106 Es83  
English summary.
- 96600 KIIS, A. Time of heating and sterilizing bottled milk. (Rus) Estonskaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov 30:190-196. 1963. 106 Es83  
English summary.
- 96601 KOENEN, K. The additional forming of loose butter. (Ge) Molk.- u. Kaserei-Ztg. 15(17): 607-609. (Cont.) Apr.22,1964. 44.8 M736
- 96602 KOENEN, K. Modern butter manufacture procedures. (Ge) Molk.-Ztg. Welt der Milch 17(51/52):1570-1571. Dec.20,1963. 44.8 M735
- 96603 KONIGSHOFER, H. Glucose and dextrose in ice cream manufacture. (Ge) Molk.-Ztg. Welt der Milch 18(9):260,262. Feb.28,1964. 44.8 M735
- 96604 KOOPS, J. The preparation of bottled sterilized coffee cream. (Du) Alg. Zuivelbl. 57(12): 258-259. Ref. June 15,1964. 44.8 AL32
- 96605 KOOPS, J. The preparation of bottled, sterilized coffee cream. (Du) Melk- en Zuivelhandel 17(14):16. (Concl.) July 7,1964. 44.8 M48
- 96606 KOOPS, J. The preparation of bottled, sterilized coffee cream. II. (Du) Misset's "Zuivel" 70(23):527-528. Ref. June 9,1964. 44.8 N282
- 96607 KOOPS, J. The preparation of bottled sterilized coffee cream. I. (Du) Nederland. Zuivelbond. Off. Orgaan 56(23):530-532,534. June 3, 1964. 44.9 AL3
- 96608 KOOPS, J. The preparation of bottled sterilized coffee cream. II. (Du) Nederland. Zuivelbond. Off. Orgaan 56(24):555-557. Ref. June 10,1964. 44.9 AL3  
English summary.
- 96609 LATEGAN, A. W. Sterilized milk. (Por) Gaz. Agr. de Angola 9(5):1420-1421,1403. May 1964. 24 G252  
Among the Bantu in South Africa.
- 96610 LEFAUX, R., ALAIS, C., and MOCQUOT, G. The use of plastics in the dairy industry. (Fr) Ann. de la Nutr. et de l'Aliment. 18(3,tech.):25-33. 1964. 389.8 An73
- 96611 LOO, L. G. W. VAN DER. Machine technical aspects of plant sanitation in the dairy industry. (Du) Misset's "Zuivel" 69(48):1208-1209, 1212-1213,1215,1217. Nov.26,1963. 44.8 N282
- 96612 MCGILL, R. Chlorine compounds plus bromide salts give absolute bacterial control. Canad. Dairy & Ice Cream J. 42(12):16-17,30-31. Dec. 1963. 44.8 C162
- 96613 MCKNIGHT, L. M. Level of acidity in cream is affecting butter quality. Canad. Dairy & Ice Cream J. 42(10):35,40. Oct.1963. 44.8 C162
- 96614 MENGEBIER, H. Manufacture of butter with 16% water. (Ge) Molk.- u. Kaserei-Ztg. 15(14):461-462,473. Apr.1,1964. 44.8 M736
- 96615 MENNIGER. Sanitation in the obtainment and transportation of milk. (Ge) Molk.-Ztg. Welt der Milch 17(51/52):1568-1569. Dec.20,1963. 44.8 M735
- 96616 MULLER, K. Is milk cooling really so important? (Ge) Unser Milchvieh 16(6):4-5. June 1964. 43.8 Un7
- 96617 NAGEL, O. Rapid souring procedures for continuous butter manufacture through application of the starter or buttermilk to high percentage cream. (Ge) Deut. Molk.-Ztg. 85(28):1195-1198. Ref. July 9,1964. 44.8 Su2
- 96618 NIENHAUS, A. The processed milk industry in the transition to the Common Market. (Ge) Deut. Molk.-Ztg. 85(24):1047-1052. June 11, 1964. 44.8 Su2
- 96619 OOSTHUIZEN, J. C. Priorities in dairy research. (Af) Dairy Indus. J. South. Africa 3(4): 175-177,179,181,183,185. Nov.1963. 44.8 D1428  
Includes discussion.
- 96620 OVERBY, A. J. Investigation of starters. II. (Da) Maelkeritidende 77(21):411-415; (22): 434-439. Ref. May 22-29,1964. 44.8 M26
- 96621 OVERMAN, O. A coordinated CIP program. Milk Dealer 53(10):38-40. July 1964. 44.8 M595
- 96622 PAPARGYRIS, S. P., and PAPADOPOULOS. Contribution to the technological and hygienic study of milk pasteurized by actinization in the region of Athens. (Fr) Indus. Aliment. et Agr. 81(3):193-195. Mar.1964. 383 As7
- 96623 PETTE, J. W. Influence of udder inflammations on the processing of milk into dairy products. (Du) Melk- en Zuivelhandel 16(21):19. Oct.15, 1963. 44.8 M48  
Includes antibiotic residues.
- 96624 PULAY, G., and ZAMBACH-BITTERA, R. The effect of sublethal heat treatment on the germination capacity of Penicillium roqueforti conidia. (Ge) Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. II, Natwiss. 117(7):740-748. Ref. Apr.29,1964. 44.8 C33  
English summary.
- 96625 RAADSVELD, C. W. On rennet and pepsin. (Du) Misset's "Zuivel" 70(3):51-54. Jan.21, 1964. 44.8 N282  
In cheese manufacture.
- 96626 RAO, R. V., and HALL, C. W. Batch pasteurization of milk in India. Indian Dairyman 5(17): 171-175. May 1964. 44.8 In282
- 96627 ROMIJN, J. G. The application and generation of cold in the dairy industry. (Du) Misset's "Zuivel" 70(27):604-605,607,609,611. July 7, 1964. 44.8 N282
- 96628 ROSSI, J. The process of manufacture of Grana cheese. II. (It) Latte 38(4):301-305. Apr.1964. 44.8 L35  
French summary.
- 96629 ROZEBOOM, D. Some results of the investigation of "day cheese" manufacture on farms in 1962 and 1963. (Du) Veeteelt en Zuivelber. 7(3):105-110. Mar.1964. 49 V51
- 96630 RUHNAU, B., and ARETZ, H. Research on a new use for skim milk. (Ge) Molk.-Ztg. Welt der Milch 18(6):167. Feb.7,1964. 44.8 M735  
Chocolate drink.
- 96631 RUHNAU, B., and ARETZ, H. Research on the manufacture of food curds of 40% fat in dry-mass without whey. (Ge) Molk.-Ztg. Welt der Milch 18(6):165-166. Feb.7,1964. 44.8 M735
- 96632 SAMUELSSON, E. G., and BRESBY, G. Leverantorsmjolkens lamplighet for kylaggring [Suitability of consumer milk for refrigeration]. Svenska Mejeriernas Rfor. Prodtekn. Avd. Meddel. 77,20 p. Ref. 1964. 44.9 Sv23  
English summary.
- 96633 SCHUMM, R. Dreams of powdered milk; a report about the Peace Corps. Dairy Prom. Topics, May/June 1964:5-7. 44.8 D1493  
School lunch program in Peru.
- 96634 SCOFFO, G. The bacto-fugation of milk. (It) Latte 37(6):526-530. June 1964. 44.8 L35
- 96635 SEELEMANN, M. Cooling and refrigeration—this is important! (Ge) Molk.- u. Kaserei-Ztg. 15(10):320-323. Mar.4,1964. 44.8 M736
- 96636 SEELEMANN, M. Tasks for 1964 in the field of milk hygiene. (Ge) Molk.- u. Kaserei-Ztg. 15(4):96-98,100-101,112. Jan.22,1964. 44.8 M736  
English summary.
- 96637 SEELEMANN, M. What should we do in regard to the E.E.C. and quality improvement of milk? (Ge) Molk.-Ztg. Welt der Milch 18(18):575-577. May 1,1964. 44.8 M735  
Sanitation.



- 96638 SHERSHNEVA, V., and others. Production line of acidulous milk beverages with the cooling within the line. (Rus) Moloch. Promysh. 1:13-15. Jan.1964. 44.8 M734  
A. Belyaev, I. Pekhota, L. Balashova, I. Zui-kova, and N. Cherkasova, joint authors.  
Kefir.
- 96639 SHMELEVA, L., NOVOTEL'NOV, N., and YAKOVLEV, D. Continuous fermentation of milk. (Rus) Moloch. Promysh. 1:8-12. Ref. Jan. 1964. 44.8 M734  
Culture of *Streptococcus lactis*.
- 96640 STAND, A. H. Manufacture of Gouda cheese. III. (No) Meieriposten 53(25):606-607. Ref. June 20, 1964. 44.8 M47
- 96641 STEHLE, G. Research on the storage of packed butter. (Fr) Indus. Lait. 211:187-191. June 1964. 44.8 In2
- 96642 STETTTLER, H. The change in manufacturing methods and trends in our Emmental cheese factories. (Ge) Schweiz. Milchztg. 90(57):359-361. (Cont.) July 17, 1964. 44.8 Sch92
- 96643 STETTTLER, H. The change in manufacturing methods and trends in our Emmental cheese factories. (Ge) Schweiz. Milchztg. 90(58):367-369. (Concl.) July 21, 1964. 44.8 Sch92
- 96644 STRAND, A. H. Manufacture of Gouda cheese. III. (No) Meieriposten 53(17):373-378;(23):550-555;(24):569-574. (Cont.) Apr.25, June 6-13, 1964. 44.8 M47
- 96645 STUSSL, D. The technical equipment of butter-making in Switzerland, looking back over the last 25 years, 1939-1964. (Ge) Schweiz. Milchztg. 90(55):337-338,341-343. July 10, 1964. 44.8 Sch92
- 96646 THOM, E. Lake to Lake Dairy Co-op in 15 years now has Wisconsin's biggest cheese factory. Mfr. Milk Prod. J. 55(3):6,8. Mar.1964. 286.85 B98Bu
- 96647 THOMASOS, F. I., and WOOD, F. W. The influence of printing equipment on moisture dispersion in butter. Canad. Dairy & Ice Cream J. 42(8):36-37. Aug.1963. 44.8 C162
- 96648 TIERSMA, P. New developments in cheese factories. (Du) Veeteelt en Zuivelber. 6(11):501-510. Ref. Nov.1963. 49 V51  
Equipment for cheese manufacture.
- 96649 TOBIAS, J., and MUCK, G. A. Particular aspects of the pasteurization of ice cream mixes. (Fr) Quebec Lait. 23(6):14-15. June 1964. 44.8 Q3
- 96650 TOMA, C., MOLDOVAN, E., and ISTUDOR, I. Contributions to the study of the melted cheeses manufactured in the Rumanian People's Republic and the possibility of their qualitative improvement. (Rum) Bucharest. Inst. de Cercet. Aliment. Lucrarile 6:159-164. 1962/1963. 389.9 R86  
English summary.  
Processing.
- 96651 TOMA, C., MELEGHI, E., and IORDACHESCU, A. Investigations on the possibilities of using perhydrol to increase the preservability of the milk to be consumed and industrialized. (Rum) Bucharest. Inst. de Cercet. Aliment. Lucrarile 6:135-147. Ref. 1962/1963. 389.9 R86  
English summary.
- 96652 TUCKEY, S. L., and MELACHOURIS, N. P. Good cheese is produced with a pepsin preparation; high price of rennet extract, the milk-clotting preparation generally used in cheese making, speeds the search for a cheaper substitute. III. Res. 6(3):12-13. Summer 1964. 100 IL64  
Cheddar.
- 96653 U. S. DEPT. OF AGRICULTURE. DAIRY RESEARCH AND MARKETING ADVISORY COMMITTEE. Report and recommendations of the eighteenth meeting, Ames, Iowa, 1963. Washington, U. S. Agr. Res. Serv., 1963. 5 p. 1.90 R3M47
- 96654 VOLDBY, J. P. Manufacture of cheese from delivery milk held over night. (Da) Maelkeritidende 77(25):509-514. June 19, 1964. 44.8 M26

- 96655 ZANNONI, L. The school for cheese makers. (It) Sci. e Tec. Latt.-Casearia 14(3):8-10. July/Sept.1963. 44.8 Sci2  
Cattedra Ambulante d'Agricoltura held at Parma.
- 96656 ZHURAVLEV, I. Manufacture of uniform butter. (Rus) Moloch. Promysh. 1:6-8. Jan. 1964. 44.8 M734  
Includes equipment and packing.

## Statistics

- 96657 ECKL, K. Statistics on production and delivery of milk in Bavaria. (Ge) Deut. Molk.-Ztg. 85 (28):1198-1201. July 9, 1964. 44.8 Su2
- 96658 KOBRO, J. Milk production and milk prices. (No) Meieriposten 53(25):593-594. June 20, 1964. 44.8 M47  
Comments on article by A. Nilsen.
- 96659 NORWAY. STATISTISK SENTRALBYRA. Meieribruket i Noreg, 1962 [Norway's dairy industry, 1962]. 77 p. 1964. 44.9 N832  
Table of contents and summary also in English.
- 96660 SVENSKA MEJERIERNAS RIKSFORENING. EKONOMIAVDELNINGEN. Driftsstatistik for Svenska mejerier [Operation statistics for Swedish milk plants]. XXX. 1962. Halmstad, 1964. 113 p. 281.3449 Sv2
- 96661 SZMALC, B. At the sources of the river of milk. (Pol) Nowe Roln. 13(2):38-40. Jan.16/31, 1964. 20.5 N86  
Data on milk production in Poland.

## FEED AND FORAGE CROPS

- 96662 BISTRICEANU, C. The outlook created by collectivization of agriculture in the direction of increasing the fodder basis. (Rum) Rev. de Zooteh. si Med. Vet. 14(3):25-34. Mar.1964. 49 P943
- 96663 CAIN, D. Feed grain sign-up. Doane's 27(14):28-29, map. May 8, 1964. 281.8 D652  
Planting intentions.
- 96664 DISTILLERS FEED CONFERENCE. Proceedings, March 25, 1964. Cincinnati, Ohio. 63 p. Ref. 389.79 C765  
Sponsored by the Distillers Feed Research Council.
- 96665 DOLTORNYAZOV, I. KH. Sanitary conditions for processing of concentrated feed. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:261-265. 1963. 20 M857
- 96666 EKELUND, S., and SEBELIUS, H. Determination of protein in hay and other feed products with the aid of ninhydrin. 7. (Ge) Stockholm. Stat. Lantbrkem. Kontanst. Meddel. 26:19-24. 1964. 385 St6
- 96667 ERIKSSON, B. Good supply of feed grain in Western Europe. (Sw) Lantmannen 75(3):91. Jan.18, 1964. 11 L234
- 96668 FEED & FARM SUPPLIER. Products directory. Feed & Farm Supplier 38(1):42-46, 48, 52, 54-55, 58, 60, 62-64, 66-70. Jan.1964. 47.8 H28
- 96669 FEED AND FARM SUPPLIER. What's ahead in feed handling? A special FFS symposium. Feed & Farm Supplier 38(5):34-36. May 1964. 47.8 H28
- 96670 FERREIRA, E. A. Characteristics and qualities of hay. (Por) Rural 43(511):52. Nov.1963. 9.2 B733  
Includes preparation.
- 96671 FISHER, H. J. Commercial feeding stuffs, 1963 report on inspection. Conn. Agr. Expt. Sta. B. 667, 121 p. June 1964. 100 C76St
- 96672 GALKA, E. Feed concentrates for milk suppliers. (Pol) Przegl. Hodowlany 32, i.e. 31(11):35-37. Nov.1963. 49 P952
- 96673 GEHRIG, E. J. Dust collecting. 4-5. Feeds Illus. 14(12):12-14, 20, 25. (Cont.) Dec.1963. 389.78 F326

- 96674 HAAS, W. Quantitative determination of phosphation in feeds and mineral fertilizers with D-tartaric acid by polarimetry. (Ge) Z. f. Analyt. Chem. 202(6):407-411. 1964. 384 Z3  
English summary.
- 96675 KLOCEK, F. Balance of fodder for the farm year 1963/1964. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 218:16-21. Jan. 7, 1964. 173 J663Ste  
Translation from Nowe Rolnictwo 19:1-2. Oct. 1/15, 1963.
- 96676 KOBAYASHI, M. The life and death question of the rise in the price of feed. (Ja) Keiyu 3:20-25. Mar. 1964. 47.8 K26
- 96677 KUCERA, J. Some experiences with fodder production and utilization control in Bratislava district. (Cz) Veterinarstvi 14(5):228-231. May 1964. 41.8 V6439
- 96678 LACROIX, H. F. DE. The mixed feed industry in the year 1964. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(22):818-820. May 28, 1964. 18 N39
- 96679 LANE, S. H. The Canadian feed industry, its economic and commercial outlook. Canad. Grain J. 20(7):9-10, 19. July 1964. 59.8 C16
- 96680 LEHRNER, M. What should be observed in the setting up and management of hay ventilation systems? (Ge) Forderungsdienst 12(4):110-113. Apr. 1964. 19 F75
- 96681 MAKAROV, V. A. Determination of freshness of whale meat as feed. (Rus) Veterinariya 3: 92-93. Mar. 1964. 41.8 V6426  
With chromatographic method.
- 96682 MARSELLI-SANTOIANNI, E. Southern forage production; preliminary note. (It) Naples. U. Facol. di Sci. Agr. Ann. (ser. 3) 29:389-408. 1963/64. 105.4 P83  
English summary.  
Composition.
- 96683 MASOERO, P., DURIO, P., and MALETTTO, S. Determination of urea in feed mixtures. (It) Riv. di Zootec. 36(10):567-575. Oct. 1963. 49 R52
- 96684 MISSISSIPPI DEPT. OF AGRICULTURE. Report of analyses of commercial feeds and cotton seed meal, July 1, 1962-June 30, 1963. State College, 1963. 149 p. 2 M694
- 96685 MIYAZAKA, G. The expectation for the world feed grain prices. (Ja) Niwatori-no-Kenkyu 39(5):26-35. May 1964. 47.8 N64
- 96686 NEW YORK (STATE) AGRICULTURAL EXPERIMENT STATION. Inspection of commercial feeds, fertilizers, and lime materials sold in New York State, January 1 to December 31, 1963. N. Y. (State) Agr. Expt. Sta. B. 805, 81 p. May 1964. 100 N48
- 96687 NIESAR, K. H. Quality factors and evaluation of the fat components in mixed feed. (Ge) Bayer. Landwirt. Jahrb. 41(2):230-242. Ref. 1964. 18 L24
- 96688 NORTHERN IRELAND, MINISTRY OF AGRICULTURE. Feed mixtures of doubtful value. North. Ireland. Min. Agr. L. 107, 2 p. Apr. 1964. 10 N81
- 96689 PATTERSON, S. J., and CLEMENTS, R. L. The application of paper and thin-layer chromatography to the identification of thyroxine in a feeding-stuffs additive. Analyst 89(1058): 328-331. May 1964. 382 An1
- 96690 PLUMMER, B. E. Commercial feeding stuffs, 1962-63. Maine. Agr. Expt. Sta. Off. Insp. 268, 187 p. Dec. 1963. 100 M28S
- 96691 PRODUCTION and utilization of grass meal in Great Britain. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:118. 1964. 20 M57
- 96692 RAY, O. M. Where are we—where are going? Distill. Feed Res. Council. Conf. Proc. 19:6-8. Mar. 25, 1964. 389.79 C765  
Feed manufacturing situation.
- 96693 REED, C. E. Establishing dehydrated alfalfa plants in Kansas. Are more plants feasible? Kans. State U. Agr. Ext. C. 325, 16 p. Apr. 1964. 275.29 K13Ex
- 96694 SAKURAI, S. The new storage method for feed. (Ja) Dairyman 13(8):6-8. Aug. 1963. 44.8 D1454
- 96695 SCHOEFF, R. W. Improving feed quality through quick protein tests. Feeds Illus. 15(6): 10-11. June 1964. 389.78 F326
- 96696 SCHULZE, W. Green feed drying. (Ge) Tierzucht 18(5):258-262. May 1964. 49 T443
- 96697 SZCZYGLIJSKA, A. Industrial feeds in the present situation of our agriculture. (Pol) Nowe Roln. 13(3):11-12. Feb. 1/15, 1964. 20.5 N86
- 96698 TANAKA, K. Fixing the supply and price of feed. (Ja) Niwatori-no-Kenkyu 39(1):34-35. Jan. 1964. 47.8 N64
- 96699 TEARE, I. D. Estimating forage yield in situ. Diss. Abs. 24(12, pt. 1):4900. June 1964. 241.8 M58
- 96700 THIBAUDAT, C. Use of whey from cheese manufacture for the preparation of yeasts for animal nutrition. (Fr) Indus. Lait. 209:131-132. Apr. 1964. 44.8 In2
- 96701 TSUZUKU, S. On the planned production of hay. (Ja) Dairyman 14(2):36-37. Feb. 1964. 44.8 D1454
- 96702 VERSEN, H. The feedingstuff market in the Federal Republic. (Ge) Tierzucht 16(10): 378, 380-381. May 20, 1964. 49 T445  
English summary.
- 96703 VOLPI, B. Research on biological control of silages. (It) Milan. U. Cattolica del Sacro Cuore. Facol. di Agr. Ann. (n.s.) 3(3):631-639. Dec. 1963. 16 M582  
English summary.  
In vitro analysis.
- 96704 WACKER, G. Determination of hay quality. (Ge) Tierzucht 18(5):256-258. May 1964. 49 T443
- 96705 WADA, H. Estrogenic activity in fresh and dried forages. Jap. J. Zootech. Sci. 34(4):248-252. Ref. Sept. 1963. 49 N62
- 96706 WIERTSEMA, P. Bulk delivery of feed to farms. (Du) Doelmatige Veehouderij 12(5):80-83. Nov. 1963. 49 D67
- 96707 ZHURAVLEV, E. M. Rukovodstvo po zootekhnicheskomu analizu kormov [Manual on analysis of feeds]. Moskva, Izdatel'stvo Sel'skokhozyaistvennoi Literatury, Zhurnalov i Plakatov, 1963. 295 p. Ref. 389.7 Z63R

## FIBERS AND TEXTILES

- 96708 BELLINGER, L. Basic habits of textile fibres. In Thomson, G., ed. Recent advances in conservation, p. 192-194. 1963. 317.9 T36  
Structure and properties.
- 96709 BLANKENBURG, G., and KELLER, W. Relation between the felting power of loose wool determined with the Aachen felt test and the shrinking upon washing of wool textiles in a drum washing machine. (Ge) Z. f. die Gesam. Textil Indus. 66(7):590-595. Ref. July 1964. 304.8 D485  
English summary.
- 96710 BOLSA DE MERCADORIAS DE SAO PAULO. Relatorio da diretoria, contas, documentos e parecer da comissao fiscal; assembleia geral ordinaria de marco de 1964 [Report of the management, accounts, documents, and judgments of the fiscal commission, general ordinary assembly of March 1964]. Sao Paulo, 1964. 262 p. 287 B633  
Includes data on the cotton and grain industry.
- 96711 BREARLEY, A., and OXTOBY, E. Gill box feed arrangements in worsted drawing. Textile Rec. 82(976):52-53, 59. July 1964. 304.8 T311
- 96712 BROWN, J. M. Objectives and program of the National Cotton Council. South. Weed Conf. Proc., 17th Annu. Mtg.:49-54. 1964. 79.9 So8
- 96713 COMMONWEALTH ECONOMIC COMMITTEE. Wool statistics, 1963-64. n.p., 1964. 33 p. 286.85 C733R  
International Wool Textile Organisation and International Wool Study Group, cooperating.  
Results of 16th annual wool questionnaire.



- 96714 DEDEURWAERDER, R. A., DOBB, M. G., and SWEETMAN, B. J. Selective extraction of a protein fraction from wool keratin. *Nature* [London] 203(4940):48-49. Ref. July 4, 1964. 472 N21
- 96715 DIMOV, K. VON., LALEA, V., and GARVAN-SKA, R. The oxidation of cotton cellulose with sodium hypochlorite in the presence of cobalt-nitrate. (Ge) *Papier* 18(6):256-261. Ref. June 5, 1964. 302.8 P1934  
English summary.
- 96716 DOUGHTIE, R. T., and WHITTEN, M. E. A new cottonseed sampler. *Agr. Mktg.* 9(7):8-9. July 1964. A280.38 Ag8  
Grading.
- 96717 DUTRIEUX, J. Pressley analysis in interlaboratory control chains. (Fr) *Indus. Textile* Belge 6:61,63-64,67,69-70. June 1964. 304.8 In29  
Cotton.
- 96718 EVENSON, J. P. Note on cotton in New South Wales and Queensland. *Empire Cotton Growing Rev.* 39(4):252-253. Oct. 1962. 72.8 Em7  
Situation and outlook.
- 96719 GOLOVA, O. P., EPSTEIN, YA. E., and DOBRYNINA, L. I. The effect of inorganic components on the cleavage of C-C-bonds during thermal degradation of cellulose. 6 p. *Transl.* 13621  
Translation from *Vysokomolekulyarnye Soedineniya* 3(4). 1961.
- 96720 GRASHCHENKO, M. G., and AGAFONOVA, K. F. Technical flax straw length effects fiber yield and quality. (Rus) *Trudy po Prikl. Bot. Genet. i Selekt.* 35(2):237-239. 1963. 451 R92  
English summary.
- 96721 HAYASHI, A. Studies on the chemical combination between lignin and carbohydrate. X. On the existence of phenol- $\beta$ -glycoside bond. 8 p. *Transl.* 13381  
Cotton cellulose used.  
Translation from *Agricultural Chemical Society of Japan, Journal* 35:83-86. 1961.
- 96722 HONEGGER, D. Automation in cotton spinning today. *Melliand Textile Rpt.* 2:53-54,56,58. May 1964. 304.8 T132
- 96723 ISTITUTO COTONIERO ITALIANO. Statistiche italiane cotone-fibre artificiali [Statistics of Italian cotton-artificial fibers]. Milano, 1964. 165 p. 286.3729 Is7St
- 96724 JUERS, D. H. The configuration and hydrodynamic properties of saleg mannan acetate. *Ap-pleton (Wis.) Inst. Paper Chem. Exec. Conf. Proc.*, 28th Conf.:115-118. May 7-8, 1964. 302.9 Ap5  
From dried tubers of orchids.
- 96725 KAGI, B. Animal hairs and their utilization. (Ge) *Z. f. die Textil Indus.* 66(7):550-554. July 1964. 304.8 D485
- 96726 KLINKE, R. Flocomat for part-automatization of the cotton spinning process. *Melliand Textile Rpt.* 1:5-6,8,10. 1963. 304.8 T312
- 96727 KOLB, H. Excursion through the rayon spinning plant. (Ge) *Chemiefasern* 14(5):346,348-351. May 1964. 304.8 J45
- 96728 KRATKY, O., and others. Small angle X-ray research on untreated silk solutions. (Ge) *Monh. f. Chem.* 95(2):359-372. Ref. 1964. 384 M74  
H. Wawra, I. Pilz, A. Sekora, and A. van Deirse, joint authors.
- 96729 KRAWANY, K. The SIKA spinning and doubling spindle. *Melliand Textile Rpt.* 2:58-60,64,66. May 1964. 304.8 T132
- 96730 LEYERSEDER, L. The German wool year of 1963. (Ge) *Tierzuchter* 16(1):5-6. Jan. 5, 1964. 49 T445
- 96731 LIPSON, M. New horizons for wool. *Farmers' & Sci. Joint Conf. Cereals & Wool*, 5th Conf.: 80-83. 1963. 27 F22C  
Includes discussion.
- 96732 LIPSON, M. Recent advances in wool processing. *Farmers' & Sci. Joint Conf. Cereals & Wool*, 5th Conf.:59-63. 1963. 27 F22C  
Includes discussion.
- 96733 LOUISIANA. STATE MARKET COMMISSION. Louisiana cotton gins, cotton seed oil mills, cotton seed delinting plants, January 1, 1964. Baton Rouge, 1964. 15 p., map. 225 L935  
Directory.
- 96734 MCNEIL, E. Dissemination of microorganisms by fabrics and leather. *Devlpmt. Indus. Microbiol.* 5:30-35. Ref. 1964. 448.3 D49
- 96735 MANDELS, M., and REESE, E. T. Fungal cellulases and the microbial decomposition of cellulosic fabric. *Devlpmt. Indus. Microbiol.* 5:5-20. Ref. 1964. 448.3 D49  
Effects on cotton of *Trichoderma viride* and *Myrothecium verrucaria*.
- 96736 MILAN. ASSOCIAZIONE COTONIERA ITALIANA. Relazione del consiglio, esercizio 1963 [Report of the Council, general ordinary assembly, May 19, 1964, season 1963]. Milano, 1964. 170 p. 281.3729 As5
- 96737 MIYAKAWA, M. Research on silk processing. 7. (Ja) *Sansi-Kenkyu* 46:50-62. Apr. 1963. 425.9 J273S
- 96738 MIYAKAWA, M., and IISAKA, H. Research on silk processing. 8. (Ja) *Sansi-Kenkyu* 46:63-76. Apr. 1963. 425.9 J273S
- 96739 MOORE, V. P., and WATSON, H. A traditional part of the gin stand may not be necessary for machine-harvested cotton; a critical look at huller fronts. *Cotton Gin & Oil Mill Press* 65 (12):34-35. June 6, 1964. 304.8 C822
- 96740 MORIMOTO, S. General situation of supply-demand relation and price of raw silk. *Silk Digest* 209:6-8. June 1964. 304.8 Si33
- 96741 NAKAJIMA, M. Research on raw silk, chemical fibers (acetate fibers), and the scouring method for mixed materials. (Ja) *Sansi-Kenkyu* 45:60-68. Jan. 1963. 425.9 J273S
- 96742 NICHOLS, C. R. Spinning in the jet age. *Textile J. Austral.* 39(6):8-10. June 1964. 304.8 T3134
- 96743 NUTTER, W. A review of modern cotton spinning techniques. *Textile Rec. Annu. & Mach. Rev.* 1964/65:36-41. 304.9 T314
- 96744 ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT. Textiles 1962; Production and consumption statistics. Paris, 1964. 59 p. 304.9 OR32  
Includes statistics of fiber consumption.
- 96745 PAR RAGULL, J. P. Spanish cotton production. (Sp) *Cent. Algodon. Nac. C. Inform.* 44:2-7, map. (Concl.) Mar./Apr. 1964. 281.3729 C33
- 96746 PILKINGTON, W. G. Rising trend of yields. *Empire Cotton Growing Rev.* 41(1):51-60. Jan. 1964. 72.8 Em7  
World production statistics.
- 96747 PONTING, K. G. Advantages of solvent scouring. *Canad. Textile J.*, July 17, 1964:53-54. 304.8 C16  
Wool.
- 96748 RASKOPF, B. D. Cotton quality in Tennessee, 1961 and 1962 crop years. *Tenn. Farm & Home Sci. Prog. Rpt.* 50:20-23. Apr./June 1964. 100 T25F  
Includes properties.
- 96749 RAWAL, T. N., PADMANABHAN, T. S. A., and VIJAYARAGHAVAN, P. K. Effect of polymolecularity of cotton cellulose on the assessment of small drops in average chain length. *Indian J. Technol.* 2(2):49-52. Ref. Feb. 1964. 475 In22
- 96750 REUTER, G. Card clothing for double condenser spinning and similar processes. *Melliand Textile Rpt.* 2:53-54,56,58,60. 1963. 304.8 T312
- 96751 RIEGEL, G. The cotton colorimeter, a colour measuring instrument for cotton. *Melliand Textile Rpt.* 2:67,70,72,74,76. 1963. 304.8 T312
- 96752 RUPPENICKER, G. F., BROWN, J. J., and MCSHERRY, W. F. The ABC's of textured cotton yarns. *Textile Indus.* 128(7):54-59. July 1964. 304.8 C823  
Stretch yarns.
- 96753 SAHA, P. K., and BASAK, K. K. Asphalted roofing material from jute stick. *Jute B.* 27(1): 8-9. Apr. 1964. 73.38 In2

- 96754 SCHENKEL, E. Über Ausspinnngrenze und Fadenbruchursachen in der Kammgarnspinnerei unter besonderer Berücksichtigung des Einflusses von Faserfeinheit u. Faserlänge [The spinning out limits and the origins of yarn breakage in worsted spinning with special reference to the effect of fiber fineness and length]. Reutlingen. Deut. Forschinst. f. Textilindus. Mitt. 83,127 p. Aug.1963. 304.9 R31
- 96755 SPEAKMAN, J. B. Agents for chemical finishing of wool. II. (Sp) Textiles Panamer. 24(6): 26-28. June 1964. 304.8 T3142
- 96756 STUTZ, M. Cotton spinning equipment. II. Cotton carding and combing. (Fr) Indus. Textile Belge 6:85,87-88,91-93. June 1963. 304.8 In29
- 96757 TSUJI, W., IMAI, M., and KADONO, Y. Properties of graft copolymerized cellulose fiber. 1. Styrene grafted cotton. Kyoto U. Inst. Chem. Res. B. 42(1):68-76. Jan.1964. 385 K99
- 96758 VANDIERE, A. DE. Towards an international standard of wool quality. (Fr) Mouton 19(2): 13-14. Feb.1964. 45.8 M86  
Sponsored by the Wool Secretariat.
- 96759 VELDSMAN, D. P. Wool textile research; South Africa can make considerable contribution. Wolboer 17(2):2. Sept.1963. 45.8 W83  
Includes wool properties.
- 96760 WALTON, P. D. Zande Scheme cotton crop. Empire Cotton Growing Rev. 40(4):303-305. Oct.1963. 72.8 Em7
- 96761 WEGENER, W., and PEUKER, H. The fiber band spinning process. (Ge) Z. f. die Gesam. Textil Indus. 66(6):464-475. (Concl.) June 1964. 304.8 D485
- 96762 WICKER, D. B. Wet-forming nonwoven fiber webs. Mod. Textiles Mag. 45(7):42-44. July 1964. 304.8 R21
- 96763 WISEMAN, L. A. Cotton, silk and man-made fibres. Textile Rec. Annu. & Mach. Rev. 1964/65:50-52. 304.9 T314  
Research programs.
- 96764 WOOL INDUSTRIES RESEARCH ASSOCIATION. Recent research in wool textiles. Textile Rec. Annu. & Mach. Rev. 1964/65:53-56. 304.9 T314  
Testing and carding included.
- FRUITS, VEGETABLES, AND NUTS**
- 96765 BAKER, L. Potato business future. Idaho Grower Shippers Assoc. Annu. Conv. 36:75-76. 1964. 81 Id13
- 96766 BATALLER, A. Table grapes of Valencia. (Sp) Cult. Mod. 46(11):416. Nov.1963. 15 C89
- 96767 BERTRAND, J., and SOUED, A. The fruit juice industry; prospects and economic problems. (Fr) Indus. Aliment. et Agr. 81(3):187-191, map. (Cont.) Mar.1964. 383 As7
- 96768 BERTRAND, J., and SOUED, A. The fruit juice industry; prospects and economic problems. (Fr) Indus. Aliment. et Agr. 81(4):301-306. (Concl.) Apr.1964. 383 As7
- 96769 BREITBART, I. The by-products industry. Agr. Israel 9(4):46. Jan.1964. 22.5 Ag825  
Citrus.
- 96770 BURMAN, M. E. Higher output of potato and corn starch and sirups. (Rus) Sakh. Promysh. 5:1-4. May 1964. 65.8 Sa2  
Situation and outlook of industry.
- 96771 CHELLA, G. Lemons and artichokes, agricultural wealth of the Island of Procida. (It) Agricoltura 13(6):102-103. June 1964. 16 Ag8226
- 96772 CIAFFI, B. Prospects for cauliflower. (It) Gaz. Com. 17(4):12-17. Apr.1964. 280.8 G253  
Report of a conference held at Fano, April 5, 1964.
- 96773 COOK, C. Big business: Mexican horticulture for export. (Sp) Agr. de las Amer. 13(6):52-54,58. June 1964. 58.8 Ag832  
Tomatoes, string beans, and melons.
- 96774 CREUZIGER, C. M. Activities of the Vegetable Growers Association of America. Ohio Veg. & Potato Growers Assoc. Growers Handb. & Annu. Proc. 49:29-33. 1964. 75.9 Oh3
- 96775 DUBLIN, R. V. We plant today for tomorrow's profits. Idaho Grower Shippers Assoc. Annu. Conv. 36:5-6. 1964. 81 Id13  
Fruit and vegetable industry.
- 96776 FELD, H. N. The decline and fall of the Italian tomato puree empire. Food Trade Rev. 34(7): 49-51. July 1964. 389.8 F7334
- 96777 GARCIA GARCIA, J. L. The Murcia lemon. (Fr) Marches Europeens des Fruits et Legumes 31(545):5. Mar.5,1964. 286.83 M33  
Industry.
- 96778 HOLDER-EGGER, K. Horticulture in Pomerania. (Ge) Osteuropastudien der Hochsch. des Landes Hessen. Reihe I, Giessener Abhandl. z. Agr.- u. Wirtforsch. des Europäischen Ostens 20:282-314. Ref. 1963. 280.8 Os7  
Industry.
- 96779 IDAHO GROWERS SHIPPERS ASSOCIATION. 36th annual convention, Sun Valley, June 11, 12, 13, 1964. n.p.,1964. 147 p. 81 Id13
- 96780 JUSCAFRESA, B. Have we reached overproduction in fruit? (Sp) Cult. Mod. 46(11):409-410. Nov.1963. 15 C89
- 96781 LUPAREVA, T., and CHERNOGOVA, M. Distribution of the production of vegetables and potatoes in Urals. (Rus) Kartoffel' i Ovoshchi 5:20-21. May 1964. 75.8 K147
- 96782 MAJLERT, W., and WOYKE, H. Forming production regions for vegetables for processing. (Pol) B. Warzywniczy 6:201-215, map. Ref. 1961/62. 80 B54  
English summary.
- 96783 MANSUROV, G. Fruit culture of Bashkiria. (Rus) Sadovodstvo 4:2. 1964. 80 Sa13  
Situation and outlook.
- 96784 NERI, G. Management of tomato production for industry. (It) Mostra Internaz. delle Conserve ed Imballaggi. Cong. 18:157-159. Sept.20/30, 1963. 389.9 M854
- 96785 NEW ZEALAND. POTATO BOARD. Thirteenth annual report and statement of accounts for the year ended 30th November, 1963. Wellington, 1963. 16 p. 281.3759 N48
- 96786 O'DAY, L. C. Economic aspects of the production, processing, and marketing of snap beans in the four lower Eastern Shore counties of Maryland. Diss. Abs. 24(12,pt.1):5043-5044. June 1964. 241.8 M58  
Includes costs.
- 96787 OTA, T. The present condition of one cooperative in one district and progress in orange growing agriculture. (Ja) Kajitsu Nippon 19(4): 24-26. Apr.1964. 80 K122
- 96788 PRIMA, S. DI. Forecasts of intensive horticultural development in Italy. (It) Agricoltura 13(6):90-101. June 1964. 16 Ag8226  
Vegetables; includes detailed statistics.
- 96789 PUERTA CASTELLO, C. DE LA. The almond in California: a road to follow. (Sp) Agricultura [Madrid] 32(377):543-545. Sept.1963. 15 Ag84
- 96790 RAINS, A. T. Problems demand industry unity! Idaho Grower Shippers Assoc. Annu. Conv. 36: 35-36. 1964. 81 Id13  
Fruit and vegetable situation.
- 96791 RONCHAI, J. F. M. Vegetable culture in the Congo and especially in northern Kivu. (Fr) Internatl. Hort. Cong. [Proc.], 16th Cong., v.4: 450-457, map. 1962, pub.1964. 90.09 C7616P  
Includes discussion.
- 96792 SALEH, A. A. F. An economic study of the California cantaloupe industry. Diss. Abs. 24 (12,pt.1):5044-5045. June 1964. 241.8 M58
- 96793 SAWADA, I. The future and special nature of Hokkaido apples. (Ja) 19(4):13-15. Apr.1964. 80 K122
- 96794 TAKAHASHI, I. Change in the propagation of fruit trees. (Ja) Kajitsu Nippon 19(2):38-41. Feb.1964. 80 K122  
Statistics given.
- 96795 TAKAHASHI, I. Japanese oranges and American oranges. (Ja) Kajitsu Nippon 19(1):19-24. Jan.1964. 80 K122  
A comparison of the orange industries in the two countries.



- 96796 U. S. DEPT. OF AGRICULTURE. DECIDUOUS FRUIT AND TREE NUT RESEARCH AND MARKETING ADVISORY COMMITTEE. Report and recommendations of the fourteenth meeting, Washington, 1963. Washington, U. S. Agr. Res. Serv., 1963. 12 p. 1.98 R2923
- 96797 VELILLA, J. F. Manioc and its economic potential. (Sp) Paraguay Indus. y Com. 20 (235/236):53,55. Apr./May 1964. 280.8 P213
- 96798 WATERMELON GROWERS & DISTRIBUTORS ASSOCIATION. 1963 proceedings, forty-ninth annual convention, Jacksonville, Florida, March 4-5-6, 1963. Adel, Ga., 1963. 63 p. 280.3939 W31
- 96799 WATERMELON GROWERS & DISTRIBUTORS ASSOCIATION. 1964 proceedings; fiftieth annual convention, Jacksonville, Florida, March 9-10-11, 1964. Adel, Ga., 1964. 99 p. 280.3939 W31
- 96800 WILKENS, H. L. Trends of tomorrow. Idaho Grower Shippers Assoc. Annu. Conv. 36:139-140. 1964. 81 Id13  
Situation and outlook in fruit and vegetable industry.
- 96801 ZIEGLER, L. W. The future of citrus growing in Central America. Ceiba 10(1):50-52. Mar. 1964. 475 C32  
Industry.
- Analysis and Composition
- 96802 ADRIAN, J. Study of the protein value of three African domestic legumes (Congo goober, hyacinth Dolichos, cowpeas). (Fr) Ann. de la Nutr. et de l'Aliment. 18(2,mem. orig.):1-18. Ref. 1964. 389.8 An73  
Voandzeia subterranea, Dolichos lablab, and Vigna unguiculata, respectively.
- 96803 COURTOIS, J. E., and LE DIZET, P. Study of oligomannosides obtained from partial hydrolysis of palm mannans. (Fr) Soc. de Chim. Biol. B. 46(4):535-542. Ref. 1964. 383 Sol  
From Phytelapas macrocarpa.
- 96804 CROSBY, N. T., and LAWS, E. Q. The use of infrared spectroscopy in the analysis of pesticide residues. Analyst 89(1058):319-327. Ref. May 1964. 382 An1  
For insecticides in vegetables.
- 96805 HENDRICKSON, R., and KESTERSON, J. W. Citrus molasses. Fla. Agr. Expt. Sta. Tech. B. 677,27 p. Ref. June 1964. 100 F66S  
Analyses and processing.
- 96806 HUANG, I. Y. The effect of moisture content of freeze-dried peaches and bananas on changes during storage related to browning. Diss. Abs. 24(12,pt.1):5325-5326. June 1964. 241.8 M58
- 96807 JOHNSON, J. H. The variation of isoamyl alcohols,  $\alpha$ -pentanol, and two unknown compounds in tomato juice, with variety, harvest, processing, storage, and food additives. Diss. Abs. 24(11):4622-4623. May 1964. 241.8 M58
- 96808 MACFARLANE, C., and MEARS, J. F. The rapid determination of nitrogen in apple juice and cider. Analyst 89(1059):428-431. June 1964. 382 An1
- 96809 MAIER-HAARLANDER, G. Research on the analysis of diphenyl. II. (Ge) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 124(4):270-273. 1964. 384 Z39  
In citrus fruit.
- 96810 MINCIONE, B. Chemical composition of some varieties of peaches produced in Campania. (It) Naples. U. Facol. di Sci. Agr. Ann. (ser.3) 29:359-368. 1963/64. 105.4 P83  
English summary.
- 96811 MURESANU, P. L., and CZEISLER, G. Contributions to the study of the chemical composition and of the kinds of amino-acids in potato proteins. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:43-49. Ref. 1963. 103.4 T48  
English summary.
- 96812 OSODO, K., and others. Studies on reactions of sugars and organic acids in canned fruits. 4. Utilization of fumaric acid in canned fruits. (Ja) Kanzume Jiho 42(12):29-35. 1963. 389.8 K13  
H. Kazumi, G. Kuroda, S. Aoki, T. Matsuoka, and K. Suzuki, joint authors.
- 96813 PETROVICI, P. Investigation on some thermophile sporulated germ strains, isolated from acid preserved products, with reference to their capacity to alter the tomato juice. (Rum) Bucharest. Inst. de Cercet. Aliment. Lucrarile 6:97-101. 1962/1963. 389.9 R86  
English summary.
- 96814 PRATT, D. E. Antioxidant activity of vegetable flavonoids in lipid-aqueous systems. Diss. Abs. 24(12,pt.1):5326. June 1964. 241.8 M58
- 96815 SZECHENYI, L. Formation of metal complexes of anthocyanins in fruit juices and their influence on color. (Fr) Indus. Aliment. et Agr. 81(4):309-317. Ref. Apr. 1964. 383 As7
- 96816 WAGNER, D., and MONSELISE, J. J. The determination of some components of citrus and tomato juices produced in Israel. Israel J. Technol. 1(1):33-37. July 1963. 475 Is72
- Consumption and Utilization
- 96817 LA CROIX, G. L. DE. Potatoes, increase of consumption 5 times less than the average of other commodity groups. (Fr) Fructidor 33(28):8. July 2, 1964. 286.83 F9423
- 96818 RAMUNNI, A. Chemical composition and prospects of utilization of waste water from sulfured cherry processing. (It) Naples. U. Facol. di Sci. Agr. Ann. (ser.3) 29:499-504. 1963/64. 105.4 P83  
English summary.  
For alcohol and fruit juice production.
- 96819 SETHI, S. C., and others. Studies in the cashewnut shell liquid. II. Anionic surface active agents from cardanol, tetrahydrocardanol & their derivatives. Indian J. Technol. 1(9):348-355. Ref. Sept. 1963. 475 In22  
B. C. S. Rao, S. B. Kulkarni, and S. S. Katti, joint authors.
- Distribution, Marketing, and Transportation
- 96820 ABRELL, J. W. Packaging & selling our peaches. Mountaineer Grower 34(251):9,11,13, 15,17. Apr. 1964. 80 M86
- 96821 ELLISON, M. Merchandising trends of tomorrow. Idaho Grower Shippers Assoc. Annu. Conv. 36:53-54. 1964. 81 Id13  
Fresh fruit and vegetables.
- 96822 GRANGER, R. S. The Pro-Fac-Curtice-Burns Organization. N. Y. State Hort. Soc. Proc., 109th Annu. Mtg.:126-128. 1964. 81 N484  
Cooperative.
- 96823 HONSEL, P. VAN. The garden of 1889. XX. (Du) Groenten en Fruit 19(51):2217. June 24, 1964. 80 G89  
The first fruit and vegetable auction.
- 96824 JONES, R. E., and DANNER, M. J. Farm handling and marketing of pecans in Alabama. Ala. Agr. Expt. Sta. C. 148,19 p.,map. June 1964. 100 AL1S
- 96825 KOZAWA, K. The opening of the eastern market in Osaka. (Ja) Kajitsu Nippon 19(4):38-40. Apr. 1964. 80 K122  
Fruit marketing.
- 96826 LA CROIX, G. L. DE. Two weapons against surpluses: promotion; lyophilization. (Fr) Fructidor 33(5):8. Jan. 30, 1964. 286.83 F9423  
Fruit and vegetables.
- 96827 LACY, B. Progress report on selling our processing apples. Mountaineer Grower 34(251):28-30. Apr. 1964. 80 M86
- 96828 LA RUE, J. H., and MITCHELL, F. G. Bulk handling of shipping fruits—trials encouraging in Tulare. Calif. Agr. 18(6):6-7. June 1964. 100 C12Cag  
By truck.

- 96829 LOHDEN, A., and RAUTENBERG, B. The course of the market for sweet cherries in the Lower Elbe 1963. (Ge) Obstbauversring. des Alten Landes. Mitt. 18(11/12):404-408. Nov./Dec.1963. 85 J76
- 96830 LUPUL, M. E. The San Francisco-Oakland wholesale market for frozen fruits and vegetables. Diss. Abs. 24(12,pt.1):5057-5058. June 1964. 241.8 M58
- 96831 MEHR, S. Cherry production in France. U. S. Foreign Agr. Serv. FAS-M-158,32 p.,map. June 1964. A281.9 F76Fm  
Marketing and culture.
- 96832 MILLER, N. The West Virginia Peach Council. Mountaineer Grower 34(251):3,5,7,9. Apr.1964. 80 M86
- 96833 NEW YORK PRODUCE EXCHANGE. Annual report 1963-1964. New York, 1964. 31 p. 287 N482
- 96834 NEW YORK PRODUCE EXCHANGE. Membership directory, 1964-1965. New York, 1964. 40 p. 225 N4893
- 96835 PROBERT, D. A look at the other side of the mountain. Idaho Grower Shippers Assoc. Annu. Conv. 36:105-106,142. 1964. 81 Id13  
Potato marketing.
- 96836 RICE, C. G. Is the Idaho potato in trouble market-wise. Idaho Grower Shippers Assoc. Annu. Conv. 36:17-18,132. 1964. 81 Id13
- 96837 SAYLOR, J. Market facts for produce men. Agr. Mktg. 9(7):10. July 1964. A280.38 Ag8  
Fruit and vegetable literature review.
- 96838 SCHACK, G. Culture and maintenance cooperatives in fruit production. (Ge) Chem. u. Tech. in der Landwirt. 15(1):3-5. 1964. 384 C4292
- 96839 SCHURMANN, A. The sale of apples of domestic and foreign origin on the German wholesale markets from August to December 1963. (Ge) Obstbauversring. des Alten Landes. Mitt. 19(1):19-34. Jan.1964. 85 J76
- 96840 SCHURMANN, A. The West German fruit market in the agrarian policies of the EEC. (Ge) Obstbauversring. des Alten Landes. Mitt. 18(10):336-343. Oct.1963. 85 J76
- 96841 SHIRAKI, K. A reformation in selling peaches. (Ja) Noko-to-Engei 18(5):74-75. May 1963. 22.5 N693
- 96842 SIMONDS, L. A., and THOMAS, P. R. Food shopping tips; peaches. Ohio. State U. Agr. Ext. L. 117,6 p.-folder. June 1964. 275.29 Oh32EL  
Marketing information for consumers.
- 96843 WICKMAN, C. H. Trends of tomorrow in transportation and distribution of Idaho potatoes. Idaho Grower Shippers Assoc. Annu. Conv. 36:65-66. 1964. 81 Id13
- 96849 GAFFINEL, C. Standardization of fruit and vegetables. (Fr) Nouvelles des Marches Agr. 86(Etude 918, bis.):1-5. (Cont.) Apr.24,1964. 286.8 N85
- 96850 GERLACH, P. Suggestions of the fruit juice processors for the apple harvest. (Ge) Obstbauversring. des Alten Landes. Mitt. 18(11/12):440-442. Nov./Dec.1963. 85 J76  
Healthy, tree-ripe varieties wanted.
- 96851 KAKISAKI, M. The change in quality in watermelons. (Ja) Noko-to-Engei 18(6):80-81. June 1963. 22.5 N693
- 96852 LOTT, R. V. Standards for judging apple quality. Ill. Res. 6(3):8-9. Summer 1964. 100 IL64
- 96853 MILAN. ASSOCIAZIONE ITALIANA INDUSTRIALI PRODOTTI ALIMENTARI. Regulation of production of the tomato processing industry. (It) Mostra Internaz. delle Conserve ed Imballaggi. Cong. 18:183-187. Sept.20/30,1963. 389.9 M854  
Regulation of production of the tomato processing industry.
- 96854 MITYUKOV, A. D., and others. Determination of the amount of extracted fruit juices. (Rus) Vinodel. i Vinograd. SSSR 3:55-58. 1964. 95.8 V77  
Standardization.
- 96855 MULIYAR, M. K., and MARAR, M. M. K. Studies on the keeping quality of ripe coconuts in storage. Indian Coconut J. 17(1):13-18. Oct./Dec.1963. 77.8 In2
- 96856 PARTYKOWA, M. The storage quality of various lines of Wolska variety and Rawska variety of onions. (Pol) B. Warzywniczy 6:225-239. 1961/62. 80 B54  
English summary.
- 96857 POWERS, J. J. Pimiento acidification and flavor. Ga. Agr. Res. 5(4):6-7. Spring 1964. 100 G295
- 96858 PORCELLI, S. Agronomical, chemical, and technological characteristics of industrial tomatoes in Puglia and Lucania in 1963. (It) Mostra Internaz. delle Conserve ed Imballaggi. Cong. 18:133-138. Ref. Sept.20/30,1963. 389.9 M854
- 96859 PROTO, D. Agronomical, chemical, and technological characteristics of tomatoes produced in Campania in the 1963 season. (It) Mostra Internaz. delle Conserve ed Imballaggi. Cong. 18:139-142. Sept.20/30,1963. 389.9 M854
- 96860 REICH, H. Does spraying poison our fruit? (Ge) Obstbauversring. des Alten Landes. Mitt. 19(1):4-11. Jan.1964. 85 J76  
Apropos of Rachel Carson's Silent Spring.
- 96861 RINALDINI, V. DE. Agronomical, chemical, and technological characteristics of tomatoes produced in the '63 season in the Province of Piacenza. (It) Mostra Internaz. delle Conserve ed Imballaggi. Cong. 18:147-150. Sept.20/30,1963. 389.9 M854

#### Grading, Inspection, Standardization, and Quality

- 96844 AMBANELLI, G. Regulation of tomato products in the chief producing or importing countries. (It) Mostra Internaz. delle Conserve ed Imballaggi. Cong. 18:191-205. Sept.20/30,1963. 389.9 M854
- 96845 AYERS, J. E., and others. Off-flavour of dehydrated carrot stored in oxygen. Nature [London] 203(4940):81-82. July 4,1964. 472 N21  
M. J. Fishwick, D. G. Land, and T. Swain, joint authors.
- 96846 BARTLETT, R. P., and WEATHERSPOON, H. H. USDA variables control chart plan applied to fill weights. Food Technol. 18(6):40-42,44-45,48. June 1964. 389.8 F7398  
Processed fruit and vegetable grading and inspection, with reference to canned peaches.
- 96847 CASARINI, B. Preliminary tests on end of season utilization of industrial tomatoes. (It) Mostra Internaz. delle Conserve ed Imballaggi. Cong. 18:165-167. Sept.20/30,1963. 389.9 M854  
Chiefly quality.
- 96848 CAVOLI, A. M. Agronomical, chemical, and technological characteristics of tomatoes produced in Sicily in the 1963 season. (It) Mostra Internaz. delle Conserve ed Imballaggi. Cong. 18:131-132. Sept.20/30,1963. 389.9 M854
- 96862 SILVESTRI, G., and CATTABIANI, E. Agronomical, chemical, and technological characteristics of tomatoes produced in the Province of Parma in the '63 season. (It) Mostra Internaz. delle Conserve ed Imballaggi. Cong. 18:143-146. Sept.20/30,1963. 389.9 M854
- 96863 TWIGG, B. A. Efficient utilization & quality control of sweet corn. Canning Trade 87(1):14, 16-17. July 13,1964. 286.83 T67

#### Packing and Packaging

- 96864 FOURIE, J. M. Returnable containers for fruit juice. Farming So. Africa 40(2):9-10,13. May 1964. 24 So842
- 96865 MAAKER, J. DE., and BOER, W. C. Problems in the small-scale packing of vegetables and fruit. VI. (Du) Cent. Orgaan v. de Handel in Aardappelen, Groenten, Fruit, Conserve, Comestibles, Enz. 440 (26):437-438. June 26, 1964. 280.39 B64
- 96866 MALLISON, E. D. Shipping containers for tomatoes. Ohio Veg. & Potato growers Assoc. Growers Handb. & Annu. Proc. 49:44-49. 1964. 75.9 Oh3



Prices, Price Control, and Rationing

- 96867 OZAROWSKA, K. The problems of price relation in the vegetable crops processing industry in Poland. (Pol) B. Warzywniczy 6:43-52. 1961/62. 80 B54  
English summary.
- 96868 SAMUKAWA, K. The price of apples. (Ja) Kajitsu Nippon 19(2):43-45. Feb.1964. 80 K122
- 96869 SCHURMANN, A. Price formation on the producer market for peaches, apricots, and mirabelle plums. (Ge) Fruchthandel 28:1076-1078. (Cont.) July 1964. 286.83 F9428
- 96870 SCHURMANN, A. Price formation in the producer market for pome fruit. (Ge) Obstbauversring. des Alten Landes. Mitt. 19(1):15-19. Jan.1964. 85 J76  
Based on supply and demand.

Processing and Storage

- 96871 ANDREOTTI, R., and AGOSTI, R. Studies of the changes in the gelling power of pectins used in the manufacture of marmalades and jams. (It) Indus. Conserve 39(2):111-115. Ref. Apr./June 1964. 389.8 In23  
English summary, p.3 of summaries.
- 96872 ARBEITSGEMEINSCHAFT LANDWIRTSCHAFTLICHES BAUWESEN. Leitsätze und Musterblätter für die Planung von Obstlagern [Guiding principles and designs for the planning of fruit storehouses]. Arbgemeinsch. Landwirt. Bauw. ALB-Schreihe. 20,32 p. 1963. 18 Ar1
- 96873 CASOLI, U., and BELLUCCI, G. Free and total amino acids in peas and their changes during canning. (It) Indus. Conserve 39(2):108-110. Ref. Apr./June 1964. 389.8 In23  
English summary, p.3 of summaries.
- 96874 CHANG, H. Y. How to store sweet potatoes in the house without rot. (Ch) Nongye Jishu 10:14-15. Oct.1963. 22.5 N929
- 96875 CHEN, N. K. L. Some chemical changes during the post-harvest ripening of papaya fruit. Acad. Sinica, Inst.Bot. Bot. B. New Ser. 5(1):89-99. Ref. Jan.1964. 451 Ac1B
- 96876 CHOU, S. C. How to dry fruit. (Ch) Nongye Jishu 10:28-29. Oct.1963. 22.5 N929
- 96877 DHARKAR, S. D. Radiation sterilization of orange juice. Indian J. Technol. 2(1):24-26. Ref. Jan.1964. 475 In22
- 96878 DUVEKOT, W. S. Importance and possibilities for precooling of vegetables. (Du) Groenten en Fruit 19(51):2213-2214. June 24,1964. 80 G89
- 96879 DUVEKOT, W. S. Washing of fruit. (Du) Groenten en Fruit 19(48):2077,2081. June 3, 1964. 80 G89
- 96880 ERDELYI MRS, L. Home canning. (Hu) Kerteszeti es Szoleszet 13(11,sup.2):7-8. June 1964. 80 K474  
Fruit.
- 96881 FRANKLIN, E. W. Home storage of vegetables. Ontario. Dept. Agr. P. rev.,268,15 p. Sept. 1963. 7 On8P
- 96882 FRUIT AND VEGETABLE CANNING AND QUICK FREEZING RESEARCH ASSOCIATION. Statistical reviews, 11th, 1963. Chipping Campden, 1964. 25 p. 389.9 F94S
- 96883 FUJII, M., and MORITA, M. Coloring of fruits and vegetables. 1. A new method for green coloring of peas. (Ja) Kanzume Jiho 42(12):36-40. 1963. 389.8 K13
- 96884 GT. BRIT. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. LOW TEMPERATURE RESEARCH STATION. An investigation of the chemical changes in carotenoid pigments during processing and storage of selected vegetables and the effect of these changes on product stability and flavour; final technical report. Cambridge, 1964. 78 p. 463.2 G792
- 96885 GRNCAREVIC, M. Effect of various dipping treatments on the drying rate of grapes for raisins. Amer. J. Enol. & Viticult. 14(4):230-234. Oct./Dec.1963. 390.9 Am33

- 96886 GUTULESCU, I. A line for the manufacture of French beans preserves. (Rum) Indus. Aliment.14(12):496-503. Dec.1963. 389.8 In26  
English summary.
- 96887 HABEEBUNNISA, PUSHPA, M. C., and SRI-VASTAVA, H. C. Studies on the effect of protective coating on common and refrigerated storage of cucumbers (Cucumis sativus). Indian Food Packer 17(5):4-8. Sept./Oct.1963. 389.8 In25
- 96888 HAYASHI, H., and KUSAMA, K. Studies on the prevention of browning of tomato catsup. (Ja) Kanzume Jiho 42(11):23-35. Ref. 1963. 389.8 K13
- 96889 IONESCU, T. D., and SIMIONESCU, I. Stabilization of the grape musts by ion exchange. (Rum) Bucharest, Inst. de Cercet. Aliment. Lucrarile 6:173-182. 1962/1963. 389.9 R86  
English summary.
- 96890 KITSON, J. A., and ATKINSON, F. E. Improved process for canned baked apples. Canad. Food Indus. 35(7):34. July 1964. 286.83 C166
- 96891 KOPELMAN, J., and MANNHEIM, H. C. Evaluation of two methods of tomato juice concentration. I-II. Food Technol. 18(6):117-124. Ref. June 1964. 389.8 F7398
- 96892 LARSEN, D. Frozen apple concentrate; taking the heat off the fresh market. West. Fruit Grower 18(5):21. May 1964. 95.8 G762
- 96893 LOCKHART, C. L. Control of anthracnose of stored tomatoes with Venturicidin. Canada. Dept. Agr. Res. Br. Plant Res. Inst. Canad. Plant Dis. Survey 43(2):23-26. June 1963. 464.9 C16S  
Colletotrichum coccodes, causal organism.
- 96894 MATSUI, O. The adaptability of early growing Satsuma oranges to canning. (Ja) Kajitsu Nippon 19(2):20-22. Feb.1964. 80 K122
- 96895 MATTUS, G. E. Storage problems:-what I would do with my apples, harvest to shipping. Mountaineer Grower 34(251):30-36. Apr.1964. 80 M86
- 96896 MOOKERJEE, K. K., TANDON, G. L., and SIDDAPPA, G. S. Some typical fruit products from hard pears. Indian Food Packer 17(5):12-14. Sept./Oct.1963. 389.8 In25  
Composition and processing.
- 96897 MOORE, J. G., and SAMUEL, O. G. Advances in drum drying process. Food Processing 25(7):58-61. July 1964. 389.8 F7325  
Fruit and vegetables.
- 96898 NAKAYAMA, O., and Ooba, S. "Sunki," a local pickle of Kiso district. (Ja) Kanzume Jiho 42(11):36-41. 1963. 389.8 K13
- 96899 OGATA, K. Engei shokuhin no kako to riyō [The use and processing of horticultural foods]. Tokyo, Yoken Do, 1963. 396 p. 389.3 Og1
- 96900 PETERSON, C. A. Keeps nuts indefinitely in cold storage. Ice Cream Trade J. 60(5):38,96. May 1964. 389.8 Ic2
- 96901 PETKE, E. Storage methods of potato in German Democratic Republic. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:115-117. 1964. 20 M57  
Includes grading and standardization.
- 96902 REPUBLIC OF SOUTH AFRICA. DRIED FRUIT BOARD. Report for the period 1st December, 1962, to 30th November, 1963. Stellenbosch, 1963. 12 p. 281.3939 So83
- 96903 RODRIGUES, J., and others. Effect of post harvest treatment with plant growth regulators in wax emulsion on storage behaviour of limes (Citrus aurantifolia (Christm) Swingle). Indian Food Packer 17(5):9-11. Sept./Oct.1963. 389.8 In25  
V. B. Dalal, N. V. N. Moorthy, and H. C. Sri-vastava, joint authors.
- 96904 ROSENT, I. Fruit drying. (Sp) Cult. Mod. 46(10):374. Oct.1963. 15 C89
- 96905 SANCHEZ-NIEVA, F., and others. Preparing and packing mango nectars. (Sp) Tierra [Mexico] 19(4):293-346. (Cont.) Apr.1964. 8 T445

- 96906 SISTRUNK, W. A. In processed snap beans; effects of storage and blanching temperature on quality. *Ark. Farm Res.* 13(3):7. May/June 1964. 100 Ar42F
- 96907 SOLANAS, J., and DARDER, A. Preservation of Venezuelan vegetables by irradiation. (Sp) *Acta Cient. Venezol.* 14(4):94-97. Aug. 1963. 475 Ac83  
English summary.  
Potatoes, onions, and strawberries.
- 96908 STEINBUCH, E. Course in the preservation of foods. 20. Vegetables and fruit. (Du) *Conserva* 12(11):275-280;(12):305-311. (Cont.) May-June 1964. 389.8 C7632
- 96909 TALPASEANU, F. Investigations improving the preservation methods of the fruit marc. (Rum) Bucharest. Inst. de Cercet. Aliment. *Lucrarile* 6:83-95. Ref. 1962/1963. 389.9 R86  
English summary.
- 96910 TANNER, H. Experiences with acidifying fruit mashers. (Ge) *Schweiz. Z. f. Obst- u. Weinbau* 73(13):308-312. June 27, 1964. 80 Sch9
- 96911 TI, Y. P. The cause and prevention of rot of Chinese cabbage during storage. (Ch) *Nongye Jishu* 11:22-23. Nov. 1962. 22.5 N929
- 96912 TOJO, K. The effect of "fresh roll" on the storage of fruit. (Ja) *Noko-to-Engei* 18(6):90-91. June 1963. 22.5 N693
- 96913 TRIFIRO, E., and LANDI, S. The use of sorbitol in the manufacture of fruit nectars for diabetics. (It) *Indus. Conserve* 39(2):116-120. Apr./June 1964. 389.8 In23  
English summary, p.3 of summaries.
- 96914 WEGNER, H. Ueber die Verwendung der schwefligen Saure bei der gewerblichen Schalung von Kartoffeln [On the use of sulfuric acid in the industrial peeling of potatoes]. *Bundes f. Lebensmittelrecht, u. Lebensmittelkunde. Schreibe.* 47,16 p. 1963. 389.9 B88
- 96915 WHITELEY, P. R. The story of biscuit manufacture. IX. Dried and preserved fruits. *Biscuit Maker & Plant Baker* 15(5):370-372. May 1964. 389.8 B54
- 96916 WILLISON, R. S. Ionizing radiation for the control of plant pathogens; a review. *Canada. Dept. Agr. Res. Br. Plant Res. Inst. Canad. Plant Dis. Survey* 43(2):39-53. Ref. June 1963. 464.9 C165  
Post harvest rots of fruit.
- 96917 WIRTH, A. Cherry harvest and cherry processing 1964. (Ge) *Schweiz. Z. f. Obst- u. Weinbau* 73(13):312-315. June 27, 1964. 80 Sch9  
Includes statistics.
- Statistics
- 96918 ARLITT, M. Supplying of the German market with fresh vegetables. (Ge) *Fruchthandel* 28:1078,1086. (Concl.) July 1964. 286.83 F9428  
Statistics of production and trade.
- 96919 FLORIDA. CROP AND LIVESTOCK REPORTING SERV. Florida agricultural statistics: vegetable summary, 1963 issue. Tallahassee, 1963. 123 p., map. 1,941 H8V526  
Florida Department of Agriculture cooperating with the U. S. Department of Agriculture and University of Florida.
- 96920 GERMANY (FEDERAL REPUBLIC). STATISTISCHES BUNDESAMT. Gartenbau und Weinbau. I. Gemuse: Anbau und Ernte von Gemuse [Horticulture and grape culture. 1. Vegetables: culture and harvest of vegetables]. Stuttgart, 1964. 33 p. (Its Land- und Forstwirtschaft, Fischerei, Reihe 2) 265 G318G
- 96921 HAKANSSON, B. Inventory of potatoes. (Sw) *Hallands Lans Hushallsk. Tidskr.* 7(1):11-12. Jan. 1964. 11 H152
- 96922 KLOTSCHER, T. Hungarian journey. (Ge) *Obstbauversring. des Alten Landes. Mitt.* 18(11/12):442-444. Nov./Dec. 1963. 85 J76  
Statistics on fruit production on the collective farms and state farms.
- 96923 LOHDEN, A., and RAUTENBERG, B. The fruit harvest 1962 in the Lower Elbe and the course of the market. (Ge) *Obstbauversring. des Alten Landes. Mitt.* 18(10):343-374. Oct. 1963. 85 J76  
Statistics on varieties, imports, and prices.
- 96924 SUNKIST GROWERS. MARKETING RESEARCH DEPT. Statistical information on the citrus fruit industry: oranges, lemons, and grapefruit. 1964 supplement. n.p., 1964. 20 p. 281.3939 C122Stc
- 96925 WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: pears—Bartlett. Wash. State U. Agr. Ext. Ext. Mimeo. 2290, rev., 1 p. May 1964. 275.29 W27Mi
- 96926 WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: pears—non Bartlett. Wash. State U. Agr. Ext. Ext. Mimeo. 2291, rev., 1 p. May 1964. 275.29 W27Mi
- GRAIN AND GRAIN PRODUCTS
- 96927 ACKER, L., and BEUTLER, H. O. The participation of enzymatic and microbial precursors in the increase of acidity in grain milling products. (Ge) *Deut. Lebensmtl.-Rundschau* 60(6):170-174. Ref. June 1964. 389.8 D482
- 96928 ARBEITSGEMEINSCHAFT GETREIDEFORSCHUNG. Grain chemistry conference, June 2-4, 1964, in Detmold. (Ge) *Mullerei* 17(25):363-366. June 20, 1964. 298.8 M91  
Bundesforschungsanstalt fur Getreideverarbeitung Detmold und Berlin, cooperating.  
Summaries of papers.
- 96929 ARBEITSGEMEINSCHAFT GETREIDEFORSCHUNG. Report on the grain chemistry conference, June 2-4, 1964, in Detmold. (Ge) *Deut. Muller-Ztg.* 62(13):320-324. (Concl.) July 2, 1964. 298.8 Su2  
Summaries of papers.
- 96930 ARBEITSGEMEINSCHAFT ZUR FORDERUNG DES QUALITATSGERSTENBAUES IM BUNDESGEBIET. Braugersten-jahrbuch 1960-62 [Malting barley yearbook 1960-1962]. Munchen, Pasing, 1963. 191 p. Ref. 59.8 B73
- 96931 AROSEMENA, L. C. Secar, conservar y clasificar arroz [Drying, storing, and classifying of rice]. Panama, Instituto de Fomento Economico, 1963. 63 p. 280.359 Ar6
- 96932 AUWERA, H. VAN DER. The stocking and handling of finished products in the milling and feed industries. (Fl) *Fermentatio* 2:92-102. (Cont.) 1964. 390.8 F38  
Installment deals with packing.
- 96933 AUWERA, H. VAN DER. The storage and handling of processed products in the milling and feed industry. (Fl) *Fermentatio* 3:134-144. (Cont.) 1964. 390.8 F38
- 96934 BANNERJEE, R. M., and DAS, N. B. Nutritive value of some pure strains of Indian wheat. *Indian J. Expt. Biol.* 2(2):114-116. Apr. 1964. 442.8 In2  
Protein efficiency ratios.
- 96935 BAUTISTA, A. P., BAYABORDA, R. A., and SAHAGUN, F. A. Acceptability of bulgur wheat. *Philippine J. Nutr.* 17(1):56-61. Jan./Mar. 1964. 389.8 N9524
- 96936 BENNETT, R. Bread flour quality in 1963. *Brit. Baking Indus. Res. Assoc. B.* 1:21-24. Feb. 1964. 389.9 B774B
- 96937 BERGAL, P. Malting barley 1963 in France. (Du) *Internatl. Tijdschr. v. Brouwerij en Moutterij* 23(2):38-40. 1963/64. 390.8 R32Af
- 96938 BHATTACHARYA, K. R. A heat-processing method for the enrichment of white rice. *Cur. Sci.* 33(10):306-307. May 20, 1964. 475 Sci23
- 96939 BOLTON, R. W. Some current grain marketing problems. *Crop Quality Council. Ext. Conf. Rpt.* 1962:23-25. 464.9 N813  
Chiefly grading problems.
- 96940 BOUNDS, V. "Moderate seasonal gains"; this year's wheat markets will be influenced by the new support program and revised grading standards. *Doane's* 27(20):10-11. July 8, 1964. 281.8 D652
- 96941 BOURDET, A. Protein quality and strength of wheat. (Fr) *Ann. de Technol. Agr.* 13(1):45-66. Ref. 1964. 14 F8499An  
English summary.



- 36942 BURE, J., and GAY, P. Lipides in flour and their role in baking quality. (Fr) *Indus. Aliment. et Agr.* 81(3):175-183. (Cont.) Mar. 1964. 383 As7
- 36943 BURE, J., and GAY, P. Lipides in flour and their role in baking quality. (Fr) *Indus. Aliment. et Agr.* 81(4):275-288. (Concl.) Ref. Apr. 1964. 383 As7
- 36944 CAIN, D. Don't let drying "bottleneck" your harvest; here's an analysis of the grain drying equipment you'll need to keep up with a normal harvest. *Doane's* 27(20):6-9. July 8, 1964. 281.8 D652
- 36945 CAIN, D. Why and how the CCC sells surplus grain. *Doane's* 27(11):16, 18. Apr. 8, 1964. 281.8 D652
- 36946 CALHOUN, J. L. Aeration for maintaining grain quality. *Va. Polytech. Inst. Agr. Ext. C.* 950, 7 p. June 1964. 275.29 V81C  
Storage equipment.
- 36947 COSTIN, I. The separation of flour by means of pneumatic sieves in cereal grinding mills. (Rum) *Indus. Aliment.* 14(12):491-495. Dec. 1963. 389.8 In26  
English summary.
- 36948 DONATH, E. J. 1962-1963—the third record wheat year in succession. *Econ. & Financ. Survey Austral.* 16:60-65. 1963. 280.8 Ec743
- 36949 DUMA, Z. Margin of error in determination of the amount of impurity in grain. (Pol) *Warsaw. Cent. Lab. Technol. Przetworstwa i Przechowalnictwa Zboz. B. Inform.* 6(4):73-80. 1962. 298.9 W26  
French and German summaries.
- 36950 ESCHENBACH, R. 3d convention on malting technique in Mulheim-Ruhr. (Ge) *Brauwelt* 103(88):1624-1626. Oct. 31, 1963. 390.8 B732
- 36951 EUROPEAN BREWERY CONVENTION. ANALYSIS COMMITTEE. *Analytica-EBC.* Ed. 2. London, Elsevier, 1963. 221 p. 390.1 Eu7  
Text in English, French and German.  
Includes barley, malt, and hops.
- 36952 FABRIANI, G. Influence of parasite attacks on technological characteristics of cereals and their products. (It) *Corso di Qualificazione Tec. in Ent. Merceologica. Atti 1963:106-112.* 1964. 423.92 C81
- 36953 FARKAS, J., and others. Application of ionizing radiation to reduce malting losses. (Hu) *Budapest. Kozponti Elelmiszeripari Kutatointezet. Kozlem.* 1/2:19-28. Ref. 1963. 389.9 B85  
I. Kiss, Z. Razga, and K. Vas, joint authors.  
English summary.
- 36954 FARMERS' AND SCIENTISTS' JOINT CONFERENCE, 5, UNIVERSITY OF WESTERN AUSTRALIA, 1963. *Cereals and wool.* Perth, Australian Inst. Agr. Sci., 1963. 83 p. 27 F22C
- 36955 FOSNOT, R. H., and HAMAN, R. W. The effect of copper on malt diastatic power determination. *Amer. Soc. Brewing Chem. Proc., Annu. Mtg.* 1962:70-71. 390.9 Am321
- 36956 FOSTER, G. H. Dryeration of corn, how process works. *Grain Age* 5(7):6, 18. July 1964. 281.8 G76  
Conditioning shelled corn.
- 36957 GALINDO, A. Oats. (Sp) *Cult. Mod.* 46(11):408. Nov. 1963. 15 C89
- 36958 GEHRIG, E. J. The manufacture of cereal flakes. III. *Amer. Miller & Processor* 92(7):30-34. July 1964. 298.8 Am32  
Rice and wheat.
- 36959 GRECO, C. Hard wheat and the unacceptable Mansholt proposal. (It) *Gior. di Agr.* 74(26):264. June 28, 1964. 16 It1G  
Price on the E.E.C.
- 36960 HASSELBACH, W. VON. Is finishing a way out? (Ge) *Tierzuchter* 15(23):843-845. Dec. 5, 1963. 49 T445  
Grain prices and cattle industry relations.
- 36961 HILL, E. T. Inventory accuracy. *Co-op Grain Q.* 22(1):49-52. Spring 1964. 280.28 C7898  
For grain cooperatives.
- 36962 HOPF, L. Suction bases formerly and now. (Ge) *Mullerei* 17(26):373-374. June 27, 1964. 298.8 M91  
Grain cleaning.
- 36963 IOWA grain and feed dealers directory, 1963. Des Moines, Iowa Grain & Feed Assoc., 1963. 236 p., map. 225 W523D
- 36964 ISEBAERT, L. Malting barley and hops culture 1963 in Belgium. (Du) *Internatl. Tijdschr. v. Brouwerij en Mouterij* 23(2):46-53. 1963/64. 390.8 R32Af  
Analyses.
- 36965 JOUIN, C. Fundamental calculations for the ventilation of grain. (Ge) *Getreide u. Mehl* 14(6):64-70. June 1964. 298.8 G332
- 36966 KAISER, A. The barleys of the year 1963, the malts prepared from them compared with those of the year 1962, and suggestions for the processing. (Ge) *Brauwelt* 103(93):1703-1706. Nov. 19, 1963. 390.8 B732
- 36967 KAISER, A. The importance of individual malt analysis data and their eventual influencing through the malting method. (Ge) *Brauwelt* 103(99):1801-1807. (Cont.) Dec. 10, 1963. 390.8 B732
- 36968 KIENINGER, H. Determination of the suitability of the micromalting method. (Ge) *Brauwelt* 103(91):1674-1678. Nov. 12, 1963. 390.8 B732
- 36969 KNYAGINICHEV, M. I., and KOMAROV, V. I. Determination of baking qualities of wheat in first stages of breeding. (Rus) *Selekt. i Semen.* 2:47-49. Mar./Apr. 1964. 61.9 Se5
- 36970 LEOPOLD, A. Ways to increase the production of cereals. (Pol) *Nowe Roln.* 13(2):1-4. Jan. 16/31, 1964. 20.5 N86
- 36971 LINDBERG, P., and others. The fatty acid composition of Swedish varieties of wheat, barley, oats, and rye. *Acta Agr. Scand.* 14(1):3-11. 1964. 11 Ac82  
S. Bingefors, N. Lannek, and E. Tanhuanpaa, joint authors.
- 36972 MCDONALD, H. J. New wheat standards for all classes of wheat. *Kans. State U. Agr. Ext. L.* 164, 4 p. Mar. 1964. 275.29 K13Le
- 36973 MCMANUS, B. R., and WHITE, M. Procurement of corn in Alabama. *Ala. Agr. Expt. Sta. B.* 354, 39 p., map. June 1964. 100 AL1S  
Marketing, including prices and transportation.
- 36974 MAES, E. Progressive and continuous extraction. (Fr) *Fermentatio* 6:262-269. 1964. 390.8 F38  
Extraction of proteins from wheat flour.
- 36975 MAES, E. Protein solubility and baking quality. (Fr) *Fermentatio* 3:128-133. 1964. 390.8 F38  
Wheat and flour.
- 36976 MAES, E. Solubility of flour proteins and baking quality. IX. (Ge) *Getreide u. Mehl* 14(6):61-64. Ref. June 1964. 298.8 G332
- 36977 MALAHER, W. G. Soviet Russia: never again a major wheat exporter? *Canad. Grain J.* 20(7):12. July 1964. 59.8 C16
- 36978 MATWEEF, M. Production and value of French durum wheats. (Ge) *Getreide u. Mehl* 14(6):70-71. June 1964. 298.8 G332
- 36979 MILLER, W. The clean grain program—4-H and FFA projects. *Crop Quality Council. Ext. Conf. Rpt.* 1962:67-68. 464.9 N813
- 36980 MISSOURI GRAIN AND FEED ASSOCIATION. 1964 annual directory. Higginsville, 1964. 246 p. 225 M69
- 36981 MONTANER ESTEVE, J. The grain problem in Spain. (Sp) *Cult. Mod.* 46(11):404-405. Nov. 1963. 15 C89
- 36982 MONTOYA, F. Corn panorama of Spain. (Sp) *Agricultura [Madrid]* 32(377):531-535. Sept. 1963. 15 Ag84
- 36983 MOSSE, J., and BAUDET, J. Extraction of seed proteins. II. (Fr) *Ann. de Physiol. Veg.* 5(2):151-166. 1963. 451 F8432  
English summary.  
Tests with wheat flour.
- 36984 MUNTONI, F. Hygienic and sanitary consequences of pathogenic organisms attacking cereals and their products. (It) *Corso di Qualificazione Tec. in Ent. Merceologica. Atti 1963:102-105.* 1964. 423.92 C81  
Fungi and bacteria.

- 96985 NAKAYAMA, T. O. M. The carotenoids of barley and malt. Amer. Soc. Brewing Chem. Proc., Annu. Mtg. 1962:137-139. Ref. 390.9 Am321
- 96986 NESS, P. N. Upper Midwest wheat and its markets. Crop Quality Council. Ext. Conf. Rpt. 1962:39-42. 464.9 N813
- 96987 OLSON, W. J., and HEIGES, M. W. Application of a dye-binding technique to routine barley protein analysis. Amer. Soc. Brewing Chem. Proc., Annu. Mtg. 1962:58-63. 390.9 Am321
- 96988 OLSZEWSKI, H. Production of commercial wheat on peasant farms. (Pol) Warsaw. Cent. Lab. Technol. Przetworstwa i Przechowywania Zboz. B. Inform. 6(4):81-86. 1962. 298.9 W26  
French and German summaries.  
Includes consumption.
- 96989 ONATE, L. U., and DEL MUNDO, A. M. Eating quality of seven varieties of lowland rice. Philippine Agr. 47(5):208-214. Ref. Oct. 1963. 25 P542
- 96990 OWADES, J. L., JAKOVAC, J., and SAFINA, A. Soluble nitrogen in mashing. Amer. Soc. Brewing Chem. Proc., Annu. Mtg. 1962:13-20. Ref. 390.9 Am321
- 96991 PEDERSON, H. C. A 4-H grain marketing project. Crop Quality Council. Ext. Conf. Rpt. 1962:63-66. 464.9 N813
- 96992 PETRESCU, I. M. Some considerations on the designing of flour silos. (Rum) Indus. Aliment. 14(8):303-306. Aug. 1963. 389.8 In26  
English summary.
- 96993 PFEIFER, V. F., PEPLINSKI, A. J., and HUBBARD, J. E. Strontium-90 in plant parts and milling fractions from a 1963 Illinois wheat. Radiol. Health Data 5(6):283-284. June 1964. 151.65 R11
- 96994 PIVA, G. Amino acid content, attractiveness, and digestibility of brans of soft wheat and those of hard wheat. (It) Milan. U. Cattolica del Sacro Cuore. Facol. di Agr. Ann. (n.s.)3(3): 565-581. Dec. 1963. 16 M582  
English summary.
- 96995 PUGSLEY, A. T. The present situation in cereal production. Farmers' & Sci. Joint Conf. Cereals & Wool, 5th Conf.:9-12. 1963. 27 F22C  
Includes discussion.  
Australia.
- 96996 RASZEJA, W., and SZPUNAR, K. Studies on some pharmacodynamic properties of stigmata of maize cultivated in Poland. (Pol) Poznan. Inst. Przem. Zielarskiego. B. 8(4):162-168. Ref. Dec. 1962. 451 P87  
English summary.
- 96997 RICHTER, W. Movable batch malting as well as comparisons between floor, drum, and movable batch malting. (Ge) Brauwelt 103(94/95): 1717-1722. Nov. 21/26, 1963. 390.8 B732
- 96998 RUPPERT, A. Experiences in small-scale malting of breeding varieties of the 1959/60 crop year. (Ge) Braugersten-Jahrb. 1960/62: 49-57. 1963. 59.8 B73
- 96999 SACHS, E., and HECHT, H. A quick moisture tester for wheat. (Ge) Bayer. Landwirt. Jahrb. 41(2):155-164. 1964. 18 L24  
Equipment.
- 97000 SAMMONS, R., and DAVIS, D. J. The new wheat standards. Mont. State Col. Ext. Folder 78, 6 p. Apr. 1964. 275.29 M76FoL
- 97001 SCHUSTER, K. The physiological and technological importance of barley protein. (Ge) Brauwelt 103(91):1669-1673. Nov. 12, 1963. 390.8 B732
- 97002 SCHUSTER, K. Reports on latest research works. (Ge) Braugersten-Jahrb. 1960/62: 9-15. 1963. 59.8 B73  
Tannins in barley.
- 97003 SHUEY, W. C. Wheat quality and the Upper Midwest. Crop Quality Council. Ext. Conf. Rpt. 1963:17-18. 464.9 N813
- 97004 SIBILIA, C. Fungi and bacteria of stored alimentary products. (It) Corso di Qualificazione Tec. in Ent. Merceologica. Atti 1963:33-39. 1964. 423.92 C81  
Grain and grain products.
- 97005 SLOEY, W., and PRENTICE, N. Effects of Fusarium isolates applied during malting on properties of malt. Amer. Soc. Brewing Chem. Proc., Annu. Mtg. 1962:24-29. Ref. 390.9 Am321
- 97006 SOHNS, V. E., and MAJORS, K. R. Cost of fractionating selected hard and soft wheat flours. Amer. Miller & Processor 92(7):6-9. July 1964. 298.8 Am32
- 97007 SPRINGER, F. Research on the relation between grain yield, gluten content, and gluten quality in wheat. (Ge) Bayer. Landwirt. Jahrb. 41(2):131-154. Ref. 1964. 18 L24
- 97008 SRIVASTAVA, B. I. S., and MEREDITH, W. O. S. Growth regulators in barley. Amer. Soc. Brewing Chem. Proc., Annu. Mtg. 1962: 112-118. Ref. 390.9 Am321  
Germination stimulators and inhibitors.
- 97009 THOMAS, A. M. Grain drying by through-circulation. Brit. Elect. & Allied Indus. Res. Assoc. Ref. W/T39, 19 p. 1961. 335 B77R  
Great Britain.
- 97010 TIMM, E., and NERNST, C. The quality of domestic bread grain of the 1963 harvest. (Ge) Mullerei 17(24):349-351. June 13, 1964. 298.8 M91
- 97011 TREGUBOV, N. N. Once more on the quality of corn. (Rus) Sakh. Promysh. 5:69-71. May 1964. 65.8 Sa2  
Moisture effect of drying.
- 97012 U. S. DEPT. OF AGRICULTURE. GRAIN RESEARCH AND MARKETING ADVISORY COMMITTEE. Report and recommendations developed at the nineteenth meeting, Albany, California, 1963. Washington, U. S. Agr. Res. Serv., 1963. 14 p. 1.90 R3R244
- 97013 VEGA MUNOZ, T. DE LA. Genesis and organization of the National Wheat Service. Armed Forces Internation Nutr. Conf. [Proc.], 5th Conf.:436-443. 1962, pub. 1963. 173.3 In89A  
Spain.
- 97014 VELDHUIZEN, H. VAN. Malting barley harvest 1963 in the Netherlands. (Du) Internat. Tijdschr. v. Brouwerij en Mouten 23(2):35-37. 1963/64. 390.8 R32Af  
Analysis.
- 97015 WAGENINGEN, INSTITUUT VOOR GRAAN, MEEL EN BROOD TNO. Jaarverslag [Annual report], 1962. Wageningen, 1963. 32 p. 389.9 Ut72
- 97016 WEILAND, W. F. Structural failures of grain storage facilities. Amer. Soc. Agr. Engin. Trans. ASAE 7(2):130-133. 1964. 290.9 Am32T
- 97017 WHITLOCK, R. Trends in grain handling and storage. Agr. Merchant 44(3):54-55, 57. Mar. 1964. 10 Ag89
- 97018 WILTEN, W. Yields, statistics and characteristics of barley varieties. (Du) Natl. Inst. v. Brouwerij, Mout en Bier—T. N. O. Jaarb. 28: 91-98, map. 1964. 390.9 N21  
English summary.
- 97019 WORTMAN, S. Rice research: a race against time. Internat. Rice Comm. News Let. 13(1):1-14. Mar. 1964. 59.9 In83N  
Situation and outlook.

## HONEY AND BEESWAX

- 97020 DEMIANOWICZ, Z. On the origin of calcium oxalate crystals in Tilia honey. (Fr) Ann. de l'Abeille 6(4):249-255. 1963. 424.9 F842  
English summary.
- 97021 HELLWIG, E. Honey control, honey prices, honey utilization. (Ge) Schweiz. Bienen-Ztg. (n.s.)87(6):297-302. June 1964. 424.8 Sch9
- 97022 PARTIOT, L. Commercialism of honey. (Fr) Gaz. Apic. 64(677):180-182. Aug. 1963. 424.8 G25  
Marketing.
- 97023 POURTALLIER, J. Investigation of toxic residues in the honeys; dosing for traces of mercury. (Fr) B. Apic. 6(2):169-184. Ref. Second Semes. 1963. 424.8 B872  
English summary.



- 97024 WARNECKE, B., and DUISBERG, H. The preservation of honey inhibins through the exclusion of ultraviolet light. (Ge) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 124(4):265-270. 1964. 384 Z39  
In packing.

- 97025 WILLSON, R. B. What lies ahead in marketing U. S. honey? Amer. Bee J. 104(7):252-254. July 1964. 424.8 Am3

## LIVESTOCK AND LIVESTOCK PRODUCTS

- 97026 AMARAL, J. B. DE S. The world food problem. (Por) Rural 44(515):36-37. Mar.1964. 9.2 B733  
World beef production.
- 97027 BATTISTELLI, E. The problem of meat production. (It) Riv. di Zootec. 37(4):193-195. Apr.1964. 49 R52
- 97028 BETTIN, L. The nutria fur as a reflected image of time. (Ge) Deut. Pelztierzucht. 38(3):45-46. June 1,1964. 412.628 D48
- 97029 BODILIS, G. The meat pavilion at the 72d general agricultural competition. (Fr) RTVA 2 (10):13-19. Jan./Feb.1963. 50.8 R322
- 97030 BRATCHER, G. Angus breeders enjoy best year in decade during fiscal 1963. Tex. Livestock J. 23(7):8-9,94. July 15,1964. 49 T29
- 97031 BREITFELDER, G. Ideas on the prospects and tasks of the meat industry. (Ge) Fleischermeister 18(3):57-59. Mar.1964. 50.8 F622  
East Germany.
- 97032 BROECKER, T. H., and others. What about the next 30 years? Meat 30(7):48-51,84,86. July 1964. 286.85 M464
- 97033 CALIFORNIA STATE HORSEMEN'S ASSOCIATION. The horse and our nation's economy. West. Horseman 29(5):64,179-180. May 1964. 42.8 W522
- 97034 CALL, D. L. Future demand for animal products and its impact on the feed industry. Amer. Cattle Prod. 46(2):8-9,20. July 1964. 49 P94
- 97035 CHAUDOUET, J. Beef production, 4th and 5th plans. (Fr) Agriculture [Paris] 27(264):39, 41. Feb.1964. 14 Ag823
- 97036 COETZEE, J. A review of the development of the livestock and meat industries. Agrekon 3 (2):12-17. Apr.1964. 281.8 Ag835  
South Africa.
- 97037 CUNNINGHAM, W. A. Our meat industry—prosperity amid change and uncertainty. Econ. & Financ. Survey Austral. 16:54-59. 1963. 280.8 Ec743
- 97038 DAVID, N., and others. Aspects concerning the correlation between the cost of production of animal products and the factors influencing it. (Rum) Rev. de Zootech. si Med. Vet. 14(5):44-54. May 1964. 49 P943  
N. Borcescu, A. Popa, and O. Popescu, joint authors.  
English summary.
- 97039 DAVIDSON, H. R. The shadow of integration. Pig Farming 12(3):39-43. Mar.1964. 46.8 P623
- 97040 DEUTSCHER FLEISCHERVERBAND. Geschäftsbericht für das Geschäftsjahr 1963 [Business report for the fiscal year 1963]. Neue Fleischer Ztg. 76(sup.),32 p. June 27, 1964. 286.85 N39
- 97041 EVANS, O. Louisiana stockman sees beef production potential "Down under." Nebr. Cattleman 20(8):12-13,61-64,66. Apr.1964. 43.8 N27  
Australia and New Zealand.
- 97042 FREBLING, and BODILIS. Meat, current subject of interest. (Fr) Potasse 38(314):75-79. Apr.1964. 57.8 P84  
Beef types.
- 97043 GARRISON, I. 1964 beef cattle outlook. Canad. Cattlemen 27(1):7,27,30. Jan.1964. 49 C16
- 97044 JACOBS, F. What's this beef about Australia? Canad. Cattlemen 27(3):16-18,52-53. Mar.1964. 49 C16  
Australian beef cattle industry.
- 97045 KEUNE, O. World shortage No. 1: animal protein. (Ge) Molk.- u. Kaserei-Ztg. 15(16):521-525. Apr.15,1964. 44.8 M736
- 97046 KOTTL, H. Marketing considerations and data on development of slaughter oxen and slaughter steer production. (Ge) Forderungsdienst 11 (10):325-328. Oct.1963. 19 F75  
Production trends and prices in Austria.
- 97047 KOZMA, J. The possibility of the introduction the normative calculation in the meat industry. I. (Hu) Husipar 12(3):123-130. May/June 1963. 50.8 H95  
German summary.
- 97048 KRAAIKAMP, E. C. VAN. Is there a shortage of cattle in the Netherlands? (Du) Vee- en Vleeshandel 49(23):298-299. June 9,1964. 286.85 V51  
Beef cattle.
- 97049 KWASIEBORSKI, J. An outline of long range plan for the development of cattle production in 1963-1970. (Pol) Nowe Ron. 13(3):3-7, map. Feb.1/15,1964. 20.5 N86
- 97050 LANSBURY, T. J. The potentialities of animal husbandry in West Africa. In Ovington, J. D., ed. The better use of the world's fauna for food, p.27-36. Ref. 1963. 389.9 Ov4  
Includes discussion.
- 97051 LOUDIL, L. A new exposition of the development of cattle breeding in Bohemian lands in the agricultural museum of the UVTL. (Cz) Agrikultura 2:183-200. Ref. 1963. 19.5 Ag8  
German summary.
- 97052 MCDOUGALL, K. What the farmer thinks should be done to assist the sheep and wool industry. Farmers' & Sci. Joint Conf. Cereals & Wool, 5th Conf.:64-65. 1963. 27 F22C  
Australia.
- 97053 MARTINS, A. F. From calf to beef. 50. (Por) Rural 44(514):34-35. Feb.1964. 9.2 B733  
Historical.
- 97054 MARTINS, A. F. From calf to beef. 53. (Por) Rural 43(511):24-25. Nov.1963. 9.2 B733  
Historical.
- 97055 MARTINS, A. F. From calf to beef. 54. (Por) Rural 43(512):40-41. Dec.1963. 9.2 B733  
Historical.
- 97056 MARTINS, A. F. From calf to beef. 55. (Por) Rural 44(513):20. Jan.1964. 9.2 B733
- 97057 MARTINS, A. F. From calf to beef. 57. (Por) Rural 44(515):20-21. Mar.1964. 9.2 B733  
Historical.
- 97058 MARTINS, A. F. From calf to beef. 59. (Por) Rural 44(517):16-19. May 1964. 9.2 B733  
Historical.
- 97059 MEAT industry in 1963. (Rus) Myasnaya Indus. SSSR 1:1-3. 1964. 50.8 M58
- 97060 MOSER, H. The 75th year of the Deutsches Lederinstitut in Freiberg. (Ge) Bruhl 5(3):30-31. May/June 1964. 412.628 B83
- 97061 MULLER, K. The immediate tasks for the development of highly productive livestock industry. (Ge) Tierzucht 18(2):58-63. (Condensed.) Feb.1964. 49 T443
- 97062 NAZAROV, A. Timely preparation for the utilization of polymers. (Rus) Myasnaya Indus. SSSR 1:14-16. 1964. 50.8 M58  
Research and experimentation with plastics in meat industry packing.
- 97063 NEUSCHAFER, W. Meat production in Lower Saxony. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(22):852-855. May 28,1964. 18 N39
- 97064 ON THE trends of animal industry in Japan. (Ja) Japan Vet. Med. Assoc. J. 17(1):1-6. Ref. 1964. 41.9 J275  
Panel discussion; panel members: S. Hori-moto, T. Higaki, Y. Tanaka, and K. Arai.
- 97065 PAPERT, R. 1963: year of change. Fur Trade J. Canad 41(2):11-12. Oct.1963. 410 F965  
The fur situation.
- 97066 PENZIG, H. Some ideas on industrial production methods in animal husbandry. (Ge) Tierzucht 18(2):70-71. Feb.1964. 49 T443
- 97067 PILLA, A. M. Sheep raising seriously diminishing. (It) Gior. di Agr. 74(23):229. June 7, 1964. 16 It1G

- 97068 QUARRE, C. Planning research mean more profit opportunity. Calif. Cattleman 47(4):8-10. Apr.1964. 43.8 C12  
The beef cattle industry.
- 97069 SCHULZE, H., and WELLHAUSER, R. Fresh fried sausage is not chopped meat according to HVO (Hackfleischverordnung). (Ge) Arch. f. Lebensmtlhyg. 15(5):109-110. May 20,1964. 41.8 L49
- 97070 STALLINGA, P. New Zealand and its agriculture. II. (Du) Nederland. Zuivelbond. Off. Orgaan 55(50):1159-1160. Dec.11,1963. 44.9 AL3  
Especially livestock raising.
- 97071 STOVER, S. L. Changing regionalization of sheep husbandry in Wisconsin. Wis. Acad. Sci. Arts & Let. Trans. 52:111-131, map. Ref. 1963. 500 W75
- 97072 STRENGTH through unified action. Meat 30(7):40-41, 76, 78. July 1964. 286.85 M464  
On the American Meat Institute.
- 97073 THROUGH 30 years with Meat. Meat 30(7):26-39. July 1964. 286.85 M464
- 97074 TROCK, W. L. Cattle feeding in the Northern Great Plains. Upper Midwest Res. & Devlpmt. Council. Upper Midwest Econ. Study. Tech. Paper 5, 40 p., map. Jan.1963. 280.9 Up6Up
- 97075 U. S. DEPT. OF AGRICULTURE. SHEEP AND WOOL RESEARCH AND MARKETING ADVISORY COMMITTEE. Report and recommendations of the fifteenth meeting, Ames, Iowa, 1963. Washington, U. S. Agr. Res. Serv., 1963. 7 p. 1.98 R297
- 97076 VALDINOCI, M. German livestock industry; distinct superiority of animal production. (It) Allevatore 19(48):7. Dec.1,1963. 49 AL55
- 97077 WEBER, A. D. Trends in the expanding beef cattle industry. Tex. Livestock J. 23(7):28, 30, 72, 74, 78. July 15, 1964. 49 T29
- 97078 ZANCANER, W. H. SUNAB and meat. (Por) Rural 43(512):11. Dec.1963. 9.2 B733
- 97087 PEEBSEN, E. The effect of various microbes in the decomposition process of meat. (Es) Estonskaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov 30:172-177. 1963. 106 Es83  
German summary.
- 97088 ROBERTS, M. P., and JONES, K. B. The identification of offals in sausages. Analyst 89 (1058):332-337. May 1964. 382 An1
- 97089 SEIDEL, G., and KIND, H. Contribution to determination of freshness of meat. (Ge) Monh. f. Vetmed. 19(1):22-27. Jan.1,1964. 41.8 M742
- 97090 SMUCKLER, S. A., and APPLEMAN, M. D. Improved Staphylococcus medium No. 110. Appl. Microbiol. 12(4):355-359. Ref. July 1964. 448.3 Ap5  
For determination in frozen meat pot pies.
- 97091 [SYMPOSIUM on] microbial aspects of leather and fabrics. Devlpmt. Indus. Microbiol. 5:3-49. Ref. 1964. 448.3 D49  
Moderator: T. C. Cordon; panel members: M. Mandels, E. T. Reese, J. J. Tancous, E. McNeil, C. J. Wessel, R. W. H. Lee, and H. Janecka.
- 97092 TANCOUS, J. J. Microorganisms in the skin and hide industry. Devlpmt. Indus. Microbiol. 5:21-29. Ref. 1964. 448.3 D49
- 97093 WASSERMANN, M. Statistical control of quality in the meat processing industries. (Ge) Fleischermeister 18(4):93-95. Apr.1964. 50.8 F622
- 97094 WYLER, O. Evaluation of the fat content of meat and sausage products, especially of boiled sausages. (Ge) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 124(4):284-285. 1964. 384 Z39
- Consumption and Utilization
- 97095 NEUMANN, C. F. Who needs meat indeed! Kans. Stockman 49(7):24. May 1964. 49 K134
- Analysis and Composition
- 97079 BIEGELEISEN, J. Z. Immunofluorescent staining of Bacillus anthracis in dried beef. J. Bact. 88(1):260-261. July 1964. 448.3 J82
- 97080 DELINDATI, G. The determination of sugars in sausages. (It) Indus. Conserve 39(2):99-101. Ref. Apr./June 1964. 389.8 In23  
English summary.
- 97081 ESER, H., and NIINIVAARA, F. P. Gas chromatography research on the aroma of raw sausage. (Ge) Z. f. Lebensmtl.-Untersuch. u. -Forsch. 124(4):245-251. Ref. 1964. 384 Z39
- 97082 FUKAZAWA, T., and others. An experiment on heat resistance of Toxoplasma harbored in meat. (Ja) Japan Vet. Med. Assoc. J. 17(1):25-27. 1964. 41.9 J275  
K. Koshimizu, T. Kanai, Y. Harada, T. Nakamura, S. Sugaya, K. Saito, and G. Tokutomi, joint authors.  
English summary.
- 97083 GREBENNIKOV, E. P., SOROKA, V. R., and SABADASH, E. V. Trace elements in human and animal milk. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 23(3, pt. 2):T461. May/June 1964. 442.9 F31P  
Mare, cow, goat, sheep.
- 97084 HANSEN, J. Continued experiments regarding the applicability of the acetonitrile extraction method for the demonstration of residues of antibiotics in animal tissue. (Da) Nord. Vetmed. 16(6):551-571. Ref. June 1964. 41.8 N813  
English summary.
- 97085 JAY, J. M., and KONTOU, K. S. Evaluation of the extract-release volume phenomenon as a rapid test for detecting spoilage in beef. Appl. Microbiol. 12(4):378-383. July 1964. 448.3 Ap5  
Comparison of test by flavor and odor.
- 97086 KURKO, V. I., and KELMAN, L. F. Phenol content of sausages as a mark of their being smoked through. (Ge) Fleischermeister 18(3):66-68. Ref. Mar.1964. 50.8 F622
- Distribution, Marketing, and Transportation
- 97096 BASOVICH, M. Problem of payments for delivered livestock. (Rus) Myasnaya Indus. SSSR 1:53-54. 1964. 50.8 M58  
Government purchases.
- 97097 BREITFELDER, G. The importance of transportation distance in the supplying of the retail trade. (Ge) Fleischermeister 18(4):85-88. Apr.1964. 50.8 F622
- 97098 BUTZKE, W. Simplification of contracting in slaughter livestock purchase. (Ge) Fleischermeister 18(4):96. Apr.1964. 50.8 F622
- 97099 CAZAILLET, M. Consequence of the development of meat distribution. (Fr) RTVA 2(10):22-26. Jan./Feb.1963. 50.8 R322
- 97100 CHANG, H. H. A discussion of the livestock market question. (Ch) Chung Kuo Nung Pao 8:25. Aug.1963. 22.5 C473
- 97101 COATS, N. M. A bigger market for mink. Amer. Fur Breeder 37(6):19. June 1964. 410 Am33  
Outlook.
- 97102 DE LAAGE, B. Societe Interprofessionnelle du Betail et des Viandes confronts the problem of meat. (Fr) Agriculture [Paris] 27(264):55-58. Feb.1964. 14 Ag823  
Chiefly marketing.
- 97103 DRUGBERT, M. Butchers and the marketing of meat. (Fr) Agriculture [Paris] 27(264):59. Feb.1964. 14 Ag823
- 97104 DUNNUCK, G. Origin and source of cattle and calves purchased by Arkansas meatpackers. Ark. Farm Res. 13(3):9. May/June 1964. 100 Ar42F  
Beef cattle.
- 97105 GARRISON, I. About public livestock markets—a former "government man" says. Canad. Cattlemen 27(3):6, 20. Mar.1964. 49 C16
- 97106 HOLLEWELL, H. American market for American producers. Livestock Feeder 11(4):14-15. Jan.1964. 49 L759



- 97107 ISAKSEN, F. T. On the market situation. (No) Buskap og Avdratt 15(4):181-182. 1963. 49 B96 Meat.
- 97108 KUZNETSOV, V., and others. Selling livestock to processing factories by the weight of carcass. (Rus) Myasnaya Indus. SSSR 1:56-57. 1964. 50.8 M58  
V. Tret'yakov, M. I. Kalinina, and E. Safar'yants, joint authors.  
Sheep.
- 97109 LEFAUX, R., and others. The use of plastics in transportation, processing, and conditioning of meat. (Fr) Ann. de la Nutr. et de l'Aliment 18(3,tech.):35-41. 1964. 389.8 An73  
H. Drapier, J. Guezennec, M. Henry, C. Lindenlaub, G. Mocquot, and J. Pantaleon, joint authors.
- 97110 LEMAIRE-AUDOIRE, M. The wholesale meat trade in relation to the meat problem. (Fr) Agriculture [Paris] 27(264):43,45,47,49. Feb. 1964. 14 Ag823
- 97111 OJALA, A. Market survey. (Sw) Svinet 54:5-6. Dec.1963. 46.8 Sv32  
The outlook for pork marketing in Finland.
- 97112 POLLOCK, D. C. Missouri feeder calf sales. Tex. Livestock J. 23(7):78B,78D. July 15,1964. 49 T29
- 97113 RITZINGER, W. The German and European slaughter fat market. (Ge) Bayer. Landwirt. Jahrb. 41(2):223-227. 1964. 18 L24
- 97114 ROCHER, J., and FRANCHET, M. Cattle and meat cooperation and meat marketing. (Fr) Agriculture [Paris] 27(264):51-54. Feb.1964. 14 Ag823
- 97115 ROUY, H. The sheep market in 1963. (Fr) Mouton 19(3):25-26. Mar.1964. 45.8 M86
- 97116 ROZGA, F. Contracts for cattle in Bialystok province. (Pol) Nowe Roln. 13(2):53-54. Jan.16/31,1964. 20.5 N86
- 97117 VIRGINIA, DEPT. OF AGRICULTURE, DIV. OF MARKETS. Fredericksburg slaughter cattle sales, 1962-1963, by G. S. Buchanan. Richmond, 1963. 6 p. 280.3439 V81
- 97118 WILLIAMS, W. F., and MALONE, J. W. Inter-regional competition in fed beef; tentative spatial equilibrium solutions, with implications for the Oklahoma beef industry. Okla. Agr. Expt. Sta. Processed Ser. P-473,94 p.,map. Ref. Mar.1964. 100 Ok4M Marketing.
- 97119 WOLFF, K. C. Meat from producer to consumer. (Ge) Agros [Hannover] 1:24-26. Jan. 1964. 18 Ag83  
Livestock and meat marketing problems.
- 97120 WRIGHT, N. G., and STUBBLEFIELD, T. M. Direct sales versus terminal markets for selling fat cattle. Ariz. Agr. Expt. Sta. Tech. B. 152,34 p. Mar.1963. 100 Ar4  
Includes prices.
- Grading, Inspection, Standardization, and Quality
- 97121 ALEKANDROWICZ, S., RATAJSZCZAK, M., and REKA, J. Experiment with the simplified control of quality of boars. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:79-81. 1964. 20 M57  
Progeny grading of carcasses.
- 97122 ALLEN, B. G. Iowa's need for an adequate meat inspection law. Iowa Vet. 35(4):7-9. July/Aug.1964. 41.8 Io9
- 97123 ARTHAUD, V. H. Carcass evaluation research. Nebr. Cattleman 20(8):24,26. Apr.1964. 43.8 N27
- 97124 BERTHOLD, W. The "imported meat inspection problem." (Ge) Monh. f. Vetmed. 19(8):310-312. Apr.15,1964. 41.8 M742
- 97125 BOER, E. DE. Use of modern heating technics in meat inspection. (Du) Tijdschr. v. Diergeneesk. 89(12):862-866. June 15,1964. 41.8 T431  
English summary.
- 97126 BRITISH LEATHER MANUFACTURERS' RESEARCH ASSOCIATION. A fundamental study of the mechanism of the deterioration of leather fibres by chemicals, sweat and heat, to obtain information for use in the development of more stable tannages that will yield leathers of superior quality; final technical report to United States Department of Agriculture, Agricultural Research Service. Egham, Eng., 1963. 118 p. Ref. 303 B77F  
P.L.480: grant No.: FG-UK-106-59; project No.: UR-E29-(60)-2.  
Report period: July 1958-June1963.
- 97127 CHUBUKIN, N. About standards of swine and pork. (Rus) Myasnaya Indus. SSSR 1:34-35. 1964. 50.8 M58
- 97128 COHERO CASTILLO, M. V. M. Need for sanitary control on home salted meats, fried meats, and sausages. (Sp) Mex. Agr. 10(118):44-45. Dec.1963. 8 M5762
- 97129 FORMISANO, M., and COPPOLA, S. The nature of the pigment of Micrococcus riccadi n. sp. Formisano. (It) Naples. U. Facol. di Sci. Agr. Ann. (ser.3)29:147-151. 1963/64. 105.4 P83  
English summary.  
Cause of "red heat" of salted cattle skins.
- 97130 FORMISANO, M. A quadriennium of research on "red heat" of salted cattle skins. (It) Italy. Staz. Sper. per l'Indus. delle Pelli e delle Mater. Concianti. B. 40(2):96-108. (Cont.) Apr. 1964. 303.8 It1  
English summary.
- 97131 KARPATI, GY., and KEMENCZY, J. Experiments concerning the moderation of jelly extent, i. e. the cooking loss of canned ham products. (Hu) Husipar 12(5):216-218. Sept./Oct.1963. 50.8 H95  
German summary.
- 97132 MORGADO, F. DE P. Utilization of hides and skins in Mozambique. (Por) Gaz. do Agr. 15 (170):243-244. (Cont.) July 1963. 24 G25  
Injuries through branding.
- 97133 SHNITSER, S. Methods of fixing meat output rates. (Rus) Myasnaya Indus. SSSR 1:45-48. 1964. 50.8 M58  
Chiefly cattle and swine carcass yields.
- 97134 SYBESMA, I. Danish research on color of pork. (Du) Veeteelt en Zuivelber. 7(1):13-19. Jan. 1964. 49 V51
- 97135 VORONKOV, I. Payment for cattle by weight and quality of meat is a progressive method. (Rus) Myasnaya Indus. SSSR 1:57-58. 1964. 50.8 M58
- 97136 ZUKAL, E., CSELKO, M., and GANTNER, GY. Valuation of numerical quality characteristics of meat products. (Hu) Husipar 13(2):87-89. Mar./Apr.1964. 50.8 H95  
English summary.
- Packing and Packaging
- 97137 CALCINARDI, C. Knowledge and spread of the technique of the packing and preservation of meat in cases of plastic material. (It) Gior. dei Pollicolt. 13(11):86-88,90,92,94,97-98. Ref. Nov.1963. 47.8 G43
- 97138 GUL', V. New polymers for meat industry. (Rus) Myasnaya Indus. SSSR 1:9-10. 1964. 50.8 M58  
Plastics.
- 97139 PRANDL, O. Prepackaging of meat and meat products. (Ge) Arch. f. Lebensmtlhyg. 13(10):230-233. Oct.20,1962. 41.8 L49
- 97140 SHISHKINA, N., and others. The effect of kinds of plastics and method of packing on meat products. (Rus) Myasnaya Indus. SSSR 1:10-13. 1964. 50.8 M58  
L. Zbanduto, Z. Khokhlova, and M. Il'yashenko, joint authors.
- 97141 TAYLOR, A. A., and INGRAM, M. Gas exchanges in packaged meats. 2. Initial gas exchanges in the CO<sub>2</sub> packing of bacon. Food Processing & Packaging 33(394):264-266. July 1964. 389.8 F738

Prices, Price Control, and Rationing

- 97142 ARNSMEYER, F. W. Swine prices in spring 1965 at the deep point. (Du) Vee-en Vleeshandel 49(24):311-313. June 16, 1964. 286.85 V51 European Economic Community.
- 97143 BUDA, S. Positive changes in swine purchasing. (Pol) Przegl. Hodowlany 32,i.e.31(11):4-6, map. Nov.1963. 49 P952 Chiefly prices.
- 97144 GAYDON, D. J. Price discovery in the feeder pig market. Diss. Abs. 24(12,pt.1):5041-5042. June 1964. 241.8 M58
- 97145 GOETSCH, F. What caused the 1963-64 cattle price disaster? Doane's 27(14):12-14. May 8, 1964. 281.8 D652
- 97146 SCHULTE, W. Where the consumer's beef dollar goes. S. Dak. State Col. Agr. Ext. F.S. 206,2 p. June 1964. 275.29 So85Fs
- 97147 SIMPSON, F. M. Closer look at the fed cattle market, Livestock Breeder J. 7(3):14,16. Mar. 1964. 49 L758 Prices.
- 97148 WHITE, M. C. Pelt prices. Natl. Chinchilla Breeder 20(6):27-29. June 1964. 412.628 N21 Results of a survey on a minimum selling price.

Processing and Storage

- 97149 ALEXA, G., and CHIRITA, G. Contribution to the study of native plant tanning materials: willow bark and its extract. (Fr) Rev. Tech. des Indus. du Cuir 56(6):187-188, 190, 192, 194, 196, 198, 200. June 1964. 303.8 C89
- 97150 BEREZINA, E. Blood-pudding and whale-meat pie. (Rus) Myasnaya Indus. SSSR 1:36. 1964. 50.8 M58
- 97151 BEREZOVSKII, A. Processing of swine in universal mechanized production line. (Rus) Myasnaya Indus. SSSR 1:22-24. 1964. 50.8 M58
- 97152 BRYANT, R. Packers trim fat from meat costs. Doane's 27(5):32-35, map. Feb. 8, 1964. 281.8 D652
- 97153 DEDERER, M. Shall we "crop" furs? Fur Trade J. Canada 41(4):10. Dec. 1963. 410 F965
- 97154 FILACHIONE, E. M., FEIN, M. L., and HARRIS, E. H. Tanning with glutaraldehyde. IV. Use in side leather. Amer. Leather Chem. Assoc. J. 59(7):378-402. Ref. July 1964. 303.9 Am32 Includes discussion.
- 97155 GRIGORIU, V., OTEL, I., and EISELE, I. Results obtained in the experimental check of some new technological processes and installations for smoking and boiling meat products. (Rum) Indus. Aliment. 14(12):504-507. Dec. 1963. 389.8 In26 English summary.
- 97156 HEAD, M. R. K. Changes in certain characteristics of bovine muscle when treated with papain, hyaluronidase, and lysozyme. Diss. Abs. 24(12,pt.1):5375. June 1964. 241.8 M58
- 97157 KARPOVA, O. Automatic regulation of temperature and moisture in curing chambers for sausages. (Rus) Myasnaya Indus. SSSR 1:19-21. 1964. 50.8 M58
- 97158 KASPERAVICHUS, M. Standard losses of meat during refrigeration. (Rus) Myasnaya Indus. SSSR 1:49-50. 1964. 50.8 M58
- 97159 KHANNA, J. K., NANDY, S. C., and NAYUDAMMA, Y. Effect of locational variation in the hide on processing and properties of chrome tanned upper leather. Madras, India, 1964. p.19-28. 303 K524 Research grant from U. S. Dept. of Agriculture; P. L. 480: UR-A7-(60)-18; FG-In-126.
- 97160 LEATHER INDUSTRIES RESEARCH INSTITUTE. Annual report, 1-4-63-31-3-64. Grahamstown, So. Africa., 1964. 47 p. 303.9 L48A
- 97161 MATVEENKO, I., and BUTAEV, A. Mechanized production line of sausages. (Rus) Myasnaya Indus. SSSR 1:35-37. 1964. 50.8 M58
- 97162 NEHER, M. B., and GALLAGHER, N. D. The mechanism of waterproofing action of alkenylsuccinic acids. Amer. Leather Chem. Assoc. J. 59(7):403-415. Ref. July 1964. 303.9 Am32
- 97163 OGURTSOV, V., and others. Automation of refrigeration equipment for sausage factories. (Rus) Myasnaya Indus. SSSR 1:12-18. 1964. 50.8 M58 Y. Gorbakov, A. Mityaev, and B. Gevorgyan, joint authors.
- 97164 PELLETT, P. L., and MILLER, D. S. The processing and preservation of meat in underdeveloped areas. In Ovington, J. D., ed. The better use of the world's fauna for food, p.63-77. Ref. 1963. 389.9 Ov4 Includes discussion.
- 97165 PEZACKI, W., and others. The effect of air temperature and humidity in the ripening chamber on the development of the surface microflora of Hungarian salami. 7 p. (OTS 61-31265) Transl. 13370 H. Opuszynska, B. Dzierzynska, and A. Goj, joint authors. Translation from Medycyna Weterynaryjna 13(9):526-532. 1957.
- 97166 PORRETTA, A., and others. Changes in the constituents and properties of beef during the processing steps involved in canning and storage. (It) Indus. Conserve 39(2):89-98. Ref. Apr./June 1964. 389.8 In23 G. Delindati, E. Trifiro, E. Cattabiani, A. Pelizzari, and A. Zanzucchi, joint authors. English summary.
- 97167 PROZOROVSKII, V. Technological equipment for meat and poultry enterprises. (Rus) Myasnaya Indus. SSSR 1:31-32. 1964. 50.8 M58
- 97168 SAGA, K., and YANO, K. Studies on keeping quality of packed meat. I. (Ja) Japan Vet. Med. Assoc. J. 17(2):24-25. 1964. 41.9 J275 English summary.
- 97169 WERNBERG, N. E. Demands of modern slaughterhouses of the refrigeration technique. (Da) Kulde 18(3):35-45. June 1964. 295.8 K95 Includes discussion.
- 97170 WESSEL, C. J., LEE, R. W. H., and JANECKA, H. Recent developments in the control of microbial growth on leather and fabrics. Devlpmt. Indus. Microbiol. 5:36-49. Ref. 1964. 448.3 D49 Review of literature on fungicidal treatment.
- 97171 WILLIAMS-WYNN, D. A., and SHUTTLEWORTH, S. G. Theoretical aspects of retanning with plant tannins. (Fr) Rev. Tech. des Indus. du Cuir 56(6):205-211. Ref. June 1964. 303.8 C89

Statistics

- 97172 BUCZYNSKI, R. Development trends in the number of livestock in 1962/63. (Pol) Przegl. Hodowlany 32,i.e.31(11):1-4. Nov.1963. 49 P952
- 97173 CALIFORNIA, CROP AND LIVESTOCK REPORTING SERV. California annual livestock report for 1963. Sacramento, 1964. 31 p. 252.09 C883 U. S. Statistical Reporting Service, and California Bureau of Agricultural Statistics, cooperating.
- 97174 CANADA, BUR. OF STATISTICS. Livestock and animal products statistics, 1963. Ottawa, 1964. 82 p. 253 C334 Text also in French.
- 97175 CANADA, BUR. OF STATISTICS, AGRICULTURE DIV. LIVESTOCK AND ANIMAL PRODUCTS SECT. Fur production, season 1962-63. Ottawa, 1964. 15 p. 412.629 C162
- 97176 CANADA, BUR. OF STATISTICS, AGRICULTURE DIV. LIVESTOCK AND ANIMAL PRODUCTS SECT. Report on fur farms, 1962. Ottawa, 1964. 12 p. 412.629 C162F Text in English and French.
- 97177 HOOGSCHAGEN, P. On the structure of our swine husbandry. (Du) Veeteelt en Zuivelber. 6(9):378-387. Sept.1963. 49 V51 Statistics.



- 97178 Lenco, M. Results of the cattle enquiry, 1962. (Fr) France. Inst. Natl. de la Statis. et des Etudes Econ. Etudes Statis. (n.s.) 15(1):13-35. (Cont.) Jan./Mar. 1964. 260 St22B
- 97179 SIEVERS, M. Livestock raising in Schleswig-Holstein. II. (Ge) Statis. Monh. Schleswig-Holstein 16(6):147-151. June 1964. 265 Sch32Sm

## OILS AND OILSEEDS

- 97180 AHMAD, M. N., and others. Studies in waxes. I. Khavi grass (*Cymbopogon iwarncusa*) wax. Pakistan J. Sci. & Indus. Res. 6(4):263-265. Ref. Oct. 1963. 475 P174  
M. Rafiq, I. Ahmad, M. K. Bhatti, and Kari-mullah, joint authors.
- 97181 ALFORD, J. A., PIERCE, D. A., and SUGGS, F. G. Activity of microbial lipases on natural fats and synthetic triglycerides. J. Lipid Res. 5(3):390-394. Ref. July 1964. 381 J8282
- 97182 AMERICAN OIL CHEMISTS' SOCIETY. A bright future in steady growth; report of the president [W. O. Lundberg] 1963-64. Amer. Oil Chem. Soc. J. 41(6, news sect.):6, 29-30. June 1964. 307.8 J82
- 97183 ANDRE, E. On lipoxylase of soybeans; present state of our knowledge. (Fr) Oleagineux 19(7):461-463. Ref. July 1964. 77.8 OL2  
English summary.
- 97184 ARFFMANN, E. Heated fats and allied compounds as carcinogens; studied by the new test. Acta Path. et Microbiol. Scand. 61(2):161-180. Ref. 1964. 448.3 Ac8  
Soybean oil.
- 97185 ARNOTT, G. W. The Malayan oil palm and the analysis of its products. Malaya. Min. Agr. & Co-op. Div. Agr. B. 113, 32 p. Ref. 1963. 22.5 F31  
Chiefly analysis of the oil and nut.
- 97186 AVILES ALGARRA, J. Olive warehouses. (Sp) Cult. Mod. 47(5):178-179. May 1964. 15 C89
- 97187 BELLONCLE, G. Groundnuts in Senegal, co-operative movement and economic development. (Fr) Oleagineux 19(7):439-444. July 1964. 77.8 OL2  
English summary.
- 97188 BOOGAERDT, J. Modern fat analysis. (Du) Alg. Zuivelbl. 57(4):69. Feb. 24, 1964. 44.8 AL32
- 97189 BOUSE, L. F., SCHOENLEBER, L. G., and PORTERFIELD, J. G. Screw conveyor capacity and castor seed damage. Amer. Soc. Agr. Engin. Trans. ASAE 7(2):152-156, 158. 1964. 290.9 Am32T
- 97190 CALIFORNIA OLIVE ASSOCIATION. Forty-second annual technical report; technical papers presented at 1963 Olive Technical Conference, Santa Barbara, June 20-22. San Francisco, 1963? 96 p. 74.72 C12
- 97191 CARVALHO, J. B. DE M. Cooperacao tecnica, bases do sistema I. O.; fraternizar-cooperar-progredir [Technical cooperation, bases of the I. O. system; fraternize-cooperate-progress], volume III-IV. 198 p. 1963. 307 B737C  
Cooperation of the Instituto de Oleos with other agencies and countries.
- 97192 COOMES, T. J., and others. The detection and estimation of aflatoxin in groundnuts and groundnut materials. III. Analyst 89(1059):436-437. June 1964. 382 An1  
P. C. Crowther, B. J. Francis, and G. Shone, joint authors.
- 97193 EL-DAKHAKHNY, M. Studies on the chemical constitution of Egyptian *Nigella sativa* L. seeds. II. The essential oil. Planta Med. 11(4):465-470. Ref. Dec. 1963. 450 P697
- 97194 DAVIS, A. L. Legal battle lines forming for FDA versus polyunsaturate promotion. Food Processing 25(7):19-20. July 1964. 389.8 F7325
- 97195 DIAMOND, M. J., and others. Hydroxy unsaturated oils. II. Preparation and characterization of methyl dimorphocolate and methyl lesquerolate from Dimorphotheca and Lesquerella oils. Amer. Oil Chem. Soc. J. 41(6, tech. sect.):430-433. Ref. June 1964. 307.8 J82  
R. E. Knowles, R. G. Binder, and L. A. Goldblatt, joint authors.
- 97196 DUBOIS, P. Autoxidation of grapeseed oil. I-II. (Fr) Ann. de Technol. Agr. 13(2):97-103, 105-108. Ref. 1964. 14 F8499An  
English summary.  
I, Effect of tocopherols; II, Presence of a synergist of tocopherols.
- 97197 EVANS, C. D., OSWALD, J., and COWAN, J. C. Soybean unsaponifiables: hydrocarbons from deodorizer condensates. Amer. Oil Chem. Soc. J. 41(6, tech. sect.):406-411. Ref. June 1964. 307.8 J82
- 97198 FERREIRA, C. H. G. The agricultural cooperatives of olive raisers in Portugal; an historical appraisal. (Por) Portugal. Junta Nac. do Azeite. B. 17(64):17-38. July/Dec. 1962. 94.7 P83  
Includes statistics on other cooperatives.
- 97199 FEUGE, R. O., GAJEE, B. B., and LOVEGREN, N. V. Progress on the development of confectionery fats. Mfg. Confectioner 44(7):43-45. July 1964. 389.8 M31  
Cocoa butter-like fats.
- 97200 FINCKE, A. The UV-spectrophotometric purity testing of cocoa butter. (Ge) Deut. Lebensmtl.-Rundschau 60(6):175-178. Ref. June 1964. 389.8 D482
- 97201 FLANZY, M., and DUBOIS, P. A study of the determination of total tocopherols; application to grape seed oil. (Fr) Ann. de Technol. Agr. 13(1):67-75. Ref. 1964. 14 F8499An  
English summary.
- 97202 FREIER, B. Conditions of the technological processing of ricin grains for obtaining fodder extraction residues. (Rum) Bucharest. Inst. de Cercet. Aliment. Lucrarile 6:35-50. Ref. 1962/1963. 389.9 R86  
English summary.
- 97203 GAD, A. M., HASSAN, M. M., and EL MUNAJJED, D. Comparative studies on the constituents of Syrian olive oil. Planta Med. 11(4):422-426. Ref. Dec. 1963. 450 P697
- 97204 GILLIER, P. Grading of double-grained peanuts. (Fr) Oleagineux 19(7):455-458. July 1964. 77.8 OL2  
Review of quality standards.
- 97205 GOUW, T. H., and Vlugter, J. C. Physical properties of fatty acid methyl esters. II. Amer. Oil Chem. Soc. J. 41(6, tech. sect.):426-429. Ref. June 1964. 307.8 J82
- 97206 GRANIERI, L. C. L. Margarine industry. (Por) Rev. Bras. de Quim. (Cien. & Indus.) 57(339):390, 392, 394, 398, 400, 402, 404, 406, 410-412, 414. Mar. 1964. 385 R322
- 97207 GT. BRIT. COMMONWEALTH ECONOMIC COMMITTEE. Vegetable oils and oilseeds; a review. London, 1964. 262 p. 280.39 G794C
- 97208 GREAVES, J. H. Use of gas-liquid chromatography in the field of drying oils and oleoresinous media. Oil & Colour Chem. Assoc. J. 47(7):499-511. Ref. July 1964. 306.9 Oi5
- 97209 HANNEWIJK, J. Crystallization of fats. I. (Du) Chem. Weekbl. 60(23):309-316. Ref. June 6, 1964. 385 C42
- 97210 HECKER, E., BRESCH, H., and SZCZEPANSKI, C. VON. Cocarcinogen A1—the first pure, highly active constituent of croton oil. Angew. Chem. Internatl. Ed. Eng. 3(3):227. Mar. 1964. 384 Z331
- 97211 HENDRIKSE, P. W. Crystallization of fats. II. (Du) Chem. Weekbl. 60(24):321-326. June 13, 1964. 385 C42
- 97212 HODGES, R., MORTIMER, P. H., and SMITH, J. D. Toxic groundnuts offered for human consumption in New Zealand. New Zeal. Vet. J. 12(1):19-20. Feb. 1964. 41.8 N483

- 97213 HUNTER, G. L. K., and BROGDEN, W. B.  $\beta$ -ylangene, a new sesquiterpene hydrocarbon from orange oil. *J. Org. Chem.* 29(7):2100. July 1964. 381 J827
- 97214 ILANY-FEIGENBAUM, J. A simple test for trypsin inhibitors in soybeans. *Food Technol.* 18(6):94-95. June 1964. 389.8 F7398
- 97215 INTERNATIONAL SYMPOSIUM ON OILSEED PROTEIN FOODS, 1, LAKE YAMANAKA, JAPAN, 1964. [Program]. Lake Yamanaka, Inst. Food Technol., Japan Sect., 1964. 16 p. 389.9 In896
- 97216 IRODOV, M. V. The effect of some admixtures of fats on the production of glycerine. (Rus) *Masl.-Zhir. Promysh.* 2:34-36. Mar. 1964. 307.8 M37  
Fatty acids.
- 97217 JAMIL, M. Z., and others. Butyl titanate as a catalyst for polymerization of linseed oil. *Indian J. Technol.* 2(4):124-128. Ref. Apr. 1964. 475 In22  
E. R. Saxena, D. S. Datar, and S. H. Zaheer, joint authors.
- 97218 JOHNSTON, C. The characterization of a growth inhibitor of glandless cottonseed. *Diss. Abs.* 24(12,pt.1):4893. June 1964. 241.8 M58
- 97219 JONES, E. W., KING, R. A., and MANN, M. G. Economic efficiency in constructing and operating bulk peanut receiving stations. N. C. State Col. Agr. & Engin. Dept. Agr. Econ. A. E. Inform. Ser. 107, 57 p. Oct. 1963. 281.9 N816  
For improved marketing.
- 97220 JUNG, L., and MORAND, P. Interpretation of the fluorescence spectra of vegetable oils. (Fr) *Ann. des Falsif. et de l'Expertise Chim.* 57 (661/663):17-25. Ref. Jan./Mar. 1964. 389.8 An72
- 97221 JURRIENS, G., VRIES, B. DE, and SCHOUTEN, L. Quantitative semimicro analysis of triglyceride fatty acid distribution in a Congo palm oil. *J. Lipid Res.* 5(3):366-368. Ref. July 1964. 381 J8282
- 97222 KAHN, N. A. Autoxidation. XXVIII. Hydroperoxide isomers in autoxidation of methyl oleate. *Oleagineux* 19(6):397-401. Ref. June 1964. 77.8 OL2
- 97223 KARTHA, A. R. S. The configuration of the disaturated glycerides in *Garcinia indica* and *Vateria indica* seed fats. *Amer. Oil Chem. Soc. J.* 41(6,tech.sect.):456. June 1964. 307.8 J82
- 97224 KAUFMANN, H. P., and FLEITER, L. Pro- and antioxidants in the field of fats. IX. (Ge) *Fette, Seifen, Anstrichmtl.* 66(6):477-484. Ref. June 1964. 384 C422  
English summary.
- 97225 KHARCHENKO, L. N. Study of essential oil of mustard from seeds of Cruciferae family. (Rus) *Masl.-Zhir. Promysh.* 3:14-16. Mar. 1964. 307.8 M37
- 97226 KIPORENKO, S. F., and POZNYAK, A. V. For further development of extraction capacities and increases in processing of vegetable oils. (Rus) *Masl.-Zhir. Promysh.* 4:4-7. Apr. 1964. 307.8 M37
- 97227 KOLMER, R. New production methods in the fat and edible oil industry. (Ge) *L und E* 17(4): 6-9. Apr. 1964. 389.8 Z34
- 97228 KOPEIKOVSKII, V. M., RYAZANTSEVA, M. I., and GARBUSOVA, G. I. Production line method of processing of sunflower seeds in establishments for treatment of corn seeds. (Rus) *Masl.-Zhir. Promysh.* 4:10-12. Apr. 1964. 307.8 M37  
Drying and grading.
- 97229 KOZIN, N. I., and MAKARENKO, E. N. Polymorphous changes in fatty mass of margarine. (Rus) *Masl.-Zhir. Promysh.* 3:17-19. Mar. 1964. 307.8 M37  
Effects of temperature.
- 97230 KREWSON, C. F., and SCOTT, W. E. *Vernonia anthelmintica* (L.) Wild; extraction of oil or trivernolin from the seed. *Amer. Oil Chem. Soc. J.* 41(6,tech.sect.):422-426. June 1964. 307.8 J82
- 97231 LEIJEN, J. Use of sesame seed for the preparation of imitation foods. (Du) *Conserva* 12 (12):301-304. June 1964. 389.8 C7632  
French summary.  
Bakery products.
- 97232 LORANT, B., and BOROS, M. Derivatographic research on fats; chemical changes of fats under the effect of heat. (Ge) *Seifen-Ole-Fette-Wachse* 90(13):392-396. June 16, 1964. 307.8 Se4  
English summary.
- 97233 LOW, M. J. D., KRISHNAMURTHY, R., and INOUE, H. Vibration-stirred microhydrogenation. *Amer. Oil Chem. Soc. J.* 41(6,tech.sect.): 433-434. June 1964. 307.8 J82
- 97234 MARIA, A., and TIPPA, P. Investigations on some aspects of the ionone manufacture in the Rumanian People's Republic. (Rum) *Bucharest. Inst. de Cercet. Aliment. Lucrarile* 6:51-68. Ref. 1962/1963. 389.9 R86  
English summary.  
From lemongrass oil.
- 97235 MEHTA, T. N., and LOKRAS, S. S. Fractionation of *Hydnocarpus wightiana*-oil fatty acids and their ethyl esters with urea. *Indian J. Appl. Chem.* 26(3):45-52. Ref. 1963. 385 In293
- 97236 MENDES, J. A. Mathematical study on the national production and consumption of olive oil—the surpluses. (Por) *Portugal. Junta Nac. do Azeite. B.* 17(64):3-15. July/Dec. 1962. 94.7 P83  
Chiefly statistics.
- 97237 MICHl, K., HASEGAWA, Y., and OUYE, K. Studies on dietary utilization of soybean meal. II. Trypsin inhibiting activity and nutritive value of soybean protein. 10 p. Ref. *Transl.* 13640  
Translation from Agricultural Chemical Society of Japan. *Journal* 37(1):21-24. 1963.
- 97238 MOLLER, O. Economical factors in the deodorisation of fats and oils. (Ge) *Fette, Seifen, Anstrichmtl.* 66(6):446-455. June 1964. 384 C422  
English summary.
- 97239 MORRISSETTE, R. A., and LINK, W. E. Gas-liquid chromatography of polar fatty derivatives. *Amer. Oil Chem. Soc. J.* 41(6,tech.sect.):415-418. June 1964. 307.8 J82
- 97240 MULLER, H. Operation of FUNDA-filters in the fat-industry. (Ge) *Fette, Seifen, Anstrichmtl.* 66(6):438-446. June 1964. 384 C422  
English summary.
- 97241 MUNSTER, W. Report on the experience made with the packaging plastic jars. (Ge) *Molk.-u. Kaserei-Ztg.* 14(50):1715-1717. (Cont.) Dec. 11, 1963. 44.8 M736  
English summary.  
For margarine.
- 97242 NATIONAL COTTONSEED PRODUCTS ASSOCIATION. Trading rules, 1964-1965. Memphis, 1964. 224 p. 72.9 N213
- 97243 NAUDET, M. The determination of totally oxidized acids in olive oils. (Fr) *Oleagineux* 19 (7):449-453. July 1964. 77.8 OL2  
English summary.
- 97244 O'CONNOR, R. T. Applications of mass spectroscopy in fatty acid and lipid chemistry. *Amer. Oil Chem. Soc. J.* 41(6,news.sect.):4,14, 20,22,25,55. June 1964. 307.8 J82
- 97245 OREGON ESSENTIAL OIL GROWERS LEAGUE. Proceedings of the fifteenth annual meeting, Corvallis, Oregon, January 9 & 10, 1964. n.p., 1964. 54 p. 308.9 Or3
- 97246 PAOLINI, F. Defense and expansion of olive oil. (It) *Olivicoltura* 19(6):4-10. June 1964. 80 OL42  
Situation and outlook in Italy.
- 97247 PARDUN, H. Methods of analysis for the quality determination of soybean lecithin. (Ge) *Fette, Seifen, Anstrichmtl.* 66(6):467-476. June 1964. 384 C422
- 97248 PETITJEAN, L. Toward a commercial policy of fats compatible with a development policy. (Fr) *Marches Trop. et Mediter.* 20(973):1681-1683. July 4, 1964. 286.8 M33  
European Economic Community.
- 97249 RAMAMURTI, K., SREENIVASAMURTHY, V., and JOHAR, D. S. Preparation of cheese-like products from peanut and the biochemical changes that take place during their ripening. *Food Technol.* 18(6):98-100. June 1964. 389.8 F7398



- 97250 RAPANELLI, E. The "Sinolea." (Sp) B. de Oleicult. Internac. 77:11-24. Jan./Feb.1964. 307.8 B63  
Olive oil extraction equipment.
- 97251 RIESZ, C. H., and WEBER, H. S. Catalysts for selective hydrogenation of soybean oil. II. Amer. Oil Chem. Soc. J. 41(6,tech.sect.):400-403. Ref. June 1964. 307.8 J82
- 97252 ROBERT, C. The oil cake market in France in 1963. (Fr) Oleagineux 19(7):465-471. July 1964. 77.8 OL2
- 97253 RODRIGUEZ MATIA, E., and CADAHIA CICU-ENDEZ, J. R. International olive oil card file. (Sp) B. de Oleicult. Internac. 77:57-62. Jan./Feb.1964. 307.8 B63  
Analytical data based on samples taken from producing regions.
- 97254 SAKAI, T., and others. The composition of the volatile oil obtained from the leaves of *Torreya nucifera* and the structure of torreyol. Chem. Soc. Japan. B. 36(10):1261-1264. Ref. Oct.1963. 385 T57B  
K. Nishimura, H. Chikamatsu, and Y. Hirose, joint authors.
- 97255 SALVADO, A. Chronicle of olive oil. (Por) Portugal. Junta Nac. do Azeite. B. 17(64):63-71. July/Dec.1962. 94.7 P83  
The world situation of olives and olive oil.
- 97256 SHALIMOV, V. N. Possibilities of an increase of production of essential oils. (Rus) Masl.-Zhír. Promysh. 4:29-30. Apr.1964. 307.8 M37  
Includes plant sources.
- 97257 SHAROIKO, E. A. Hygroscopic properties of sunflowers seeds. (Rus) Masl.-Zhír. Promysh. 3:6-9. Mar.1964. 307.8 M37  
With reference to storage.
- 97258 SHURPALEKAR, S. R., and others. Studies on a spray-dried infant food based on peanut protein isolate and full-fat soy flour and fortified with DL-methionine and certain vitamins and minerals. I-III. Food Technol. 18(6):108-116. Ref. June 1964. 389.8 F7398  
M. R. Chandrasekhara, S. Korula, M. Swaminathan, A. Sreenivasan, V. Subrahmanyam, B. S. Chandrasekhar, A. P. Jayaraj, and D. Rajalakshmi, joint authors.
- 97259 STEPANOVA, O. S., CHEKURDA, A. I., and ZAVOLOKINA, E. P. Anti-oxidation properties of some ethers of sorbic acid. (Rus) Masl.-Zhír. Promysh. 3:20-21. Mar.1964. 307.8 M37  
Fats.
- 97260 SUBBARAM, M. R., and YOUNGS, C. G. Determination of the glyceride structure of fats. Amer. Oil Chem. Soc. J. 41(6,tech.sect.):445-448. Ref. June 1964. 307.8 J82
- 97261 THOMAS, M. D. Peppermint oil situation and outlook; January 1964. Oreg. Essential Oil Growers League, Proc., 15th Annu. Mtg.:42-44. 1964. 308.9 Or3
- 97262 TIDEMAN, P. L. An example of crop dynamics in Minnesota—the soybean. Minn. Acad. Sci. Proc. 31(2):147-152, map. 1964. 500 M663  
Acreage and area.
- 97263 TOLLENAAR, F. D., and HOCKMAN, H. The bleaching of oils and fats by means of bleaching earth with special consideration of palm oil. (Ge) Fette, Seifen, Anstrichmtl. 66(6):430-437. June 1964. 384 C422  
English summary.
- 97264 TUMER, H. V., and others. Relative reactivity toward hydrogenation of the oleoyl group in the 2- and 1,3-positions of triglycerides. Amer. Oil Chem. Soc. J. 41(6,tech.sect.):413-415. Ref. June 1964. 307.8 J82  
R. O. Feuge, T. L. Ward, and E. R. Cousins, joint authors.  
In olive oil.
- 97265 U. S. AGRICULTURAL RESEARCH SERV. Edible soybean protein products, a list of publications and patents for 1962 of the Northern Utilization Research and Development Division, Peoria, Illinois. U. S. Agr. Res. Serv. ARS-71-26-1,2 p. Jan.1963. A381 R31Ac
- 97266 YAKOBASHVILI, N. Z., and others. Method of extraction of resinoid from *Evernia prunastri*. (Rus) Masl.-Zhír. Promysh. 4:31-32. Apr. 1964. 307.8 M37  
M. A. Kashakashvili, E. N. Kiseleva, and V. A. Shestakova, joint authors.
- 97267 ZAHID, N.-UD-D., and others. Studies in the fixed oil from *Thuja orientalis* seeds. Pakistan J. Sci. & Indus. Res. 6(4):260-262. Oct.1963. 475 P174  
M. N. Ahmad, I. Ahmad, M. K. Bhatti, and Karimullah, joint authors.

## POULTRY AND POULTRY PRODUCTS

- 97268 ALBERTI, F. Egg production and marketing on a large scale. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(22):846-848, map. May 28, 1964. 18 N39
- 97269 ALTIMIRA RAVENTOS, C. The color of eggs. (Sp) Cult. Mod. 47(4):126. Apr.1964. 15 C89
- 97270 ALTIMIRA RAVENTOS, C. Dutch poultry activities. (Sp) Cult. Mod. 47(5):167-168. May 1964. 15 C89
- 97271 AMANO, S. The present situation in the new poultry raising area, Mikatabara. (Ja) Niwatori-no-Kenkyu 39(4):120-122, map. Apr.1964. 47.8 N64
- 97272 BAKER, R. L. Egg marketing in the U.S.A. World's Poultry Sci. J. 20(2):92-115. Ref. Apr./June 1964. 47.8 W89
- 97273 BALIGA, B. R., KADKOL, S. B., and LAHIRY, N. L. Possible role of bacteria in the physical deterioration of egg contents during storage at room temperature. Indian J. Technol. 2(2):69-71. Ref. Feb.1964. 475 In22
- 97274 BLUESTONE, H. Higher egg production likely through summer of 1965. Agr. Situation [Washington] 48(7):7. July 1964. 1 Ec7Ag
- 97275 BOARD, R. G., and others. The microbiological contamination of egg shells and egg packing materials. Poultry Sci. 43(3):584-595. Ref. May 1964. 47.8 Am33P  
J. C. Ayres, A. A. Kraft, and R. H. Forsythe, joint authors.
- 97276 BOITSON, J. All about poultry. Ontario Hydro News 51(5):8-11. May 1964. 335.9 On8B  
Industry.
- 97277 CAVERS, J. R. Our poultry industry reviewed. Canad. Poultry Rev. 87(12):11-13. Dec.1963. 47.8 C16
- 97278 CAVERS, J. R. Poultry situation at mid-year. Canad. Poultry Rev. 88(7):9, 14. July 1964. 47.8 C16
- 97279 CHO, C. S. The present situation of poultry raising in the Republic of Korea. (Ja) Niwatori-no-Kenkyu 39(2):98-103, map. Feb.1964. 47.8 N64
- 97280 COCKREL, O. Where are we headed now? Broiler Business 14(12):16, 18, 22-23. Dec. 1963. 47.8 B782
- 97281 CORBETT, U. Expansion with prosperity—this is the challenge. Turkeys Year Book 1963: 21. 47.38 T843  
Turkey advertising and marketing in Great Britain.
- 97282 COWEN, N. S., BOHREN, B. B., and MCKEAN, H. E. Efficiency in prediction of egg weight from early measurements. Poultry Sci. 43(3):567-573. Ref. May 1964. 47.8 Am33P
- 97283 DAVEY, A. D. Problems facing Canada's poultry industry. Canad. Poultry Rev. 88(1):30-32, 34. Jan.1964. 47.8 C16
- 97284 DAVIS, B. H. Iceless pack for fresh broilers. Broiler Business 14(10):18-20, 24, 26, 28. Oct. 1963. 47.8 B782
- 97285 DAVIS, D. Will the Southeast become America's egg basket? Poultry Tribune 70(7):14-15, 37, map. July 1964. 47.8 P8642
- 97286 DAWSON, L. E. Quality in turkey rolls. Turkey World 39(7):42, 44. July 1964. 47.38 T84
- 97287 DRIGGERS, J. C. What's the status of the contract grower? Broiler Business 14(10):34-36. Oct.1963. 47.8 B782
- 97288 DURBIN, M., and others. Should broiler pricing be changed? Broiler Business 15(8):12-14. Aug.1964. 47.8 B782
- 97289 EASTERN SHORE POULTRY GROWERS' EXCHANGE. 12th annual report, 1963/64. Selbyville, Del., 1964. 12 p. 280.29 Ea72  
Library has also 11th annual report, 1962/63.

- 97290 ELLIS, F. E. The processing and inspection of chicken broilers. *Canad. Poultry Rev.* 87(10):9-13. Oct.1963. 47.8 C16
- 97291 FARRELL, A. J., and BARNES, E. M. The bacteriology of chilling procedures used in poultry processing plants. *Brit. Poultry Sci.* 5(1):89-95. Ref. Jan.1964. 47.8 B77
- 97292 FREITAG, R. Preserved egg products of varying tastes. Exotic delicacies; pidan, incubated eggs, balut, eggs in loam. 2 p. Transl. 13438  
Translation from Deutsche Lebensmittel-Rundschau 54(5). 1960.
- 97293 GOODCHILD, F. D. Getting the best return from the turkey. *Turkeys Year Book 1963*:30-31. 47.38 T843  
Consumer preferences for sizes in Great Britain.
- 97294 GRAINGER, K. P. Groups—contract production and integration. *Turkeys* 12(3):33-35,37, 39. Mar.1964. 47.38 T847  
Turkeys.
- 97295 GRANT, J. Research into cut-up turkey. (Sum) *Turkeys* 12(2):32-34,40. Feb.1964. 47.38 T847  
Includes packing.
- 97296 GRAY, L. R. Effects of price specials on volume of sales of frying chickens. *Agr. Econ. Res.* 16(3):72-76. July 1964. 1 Ec7Agr
- 97297 GROW, O. Duck eggs versus chicken eggs. *Mag. Ducks & Geese* 15(1):16-17. First Q.1964. 47.8 M27  
For consumption.
- 97298 GULICH, A. R., and FITZGERALD, J. C. Egg grading manual. U. S. D. A. Agr. Handb. 75, rev.64 p. May 1964. 1 Ag84Ah
- 97299 HALE, M. Egg hygiene. *Turkeys* 12(2):30-31. Feb.1964. 47.38 T847  
Cleaning turkey eggs.
- 97300 HALL, K. N., and SPENCER, J. V. The effect of ethanol on shelf-life and flavor of chicken meat. *Poultry Sci.* 43(3):573-576. May 1964. 47.8 Am33P
- 97301 HAMRE, M. L., and STADELMAN, W. J. The effect of water sanitizing compounds on the discoloration of the egg shell. *Poultry Sci.* 43(3):595-599. May 1964. 47.8 Am33P
- 97302 HATHAWAY, H. E. First things first in preparing chicken. La. U. Agr. Ext. Ext. P. 1356, 8 p.-folder. Feb.1964. 275.29 L93Ep  
Cutting.
- 97303 INVESTIGATION of problems in the rationalization of commercialized poultry raising. (Ja) *Japan Poultry J.* 49(5):102-107. May 1964. 47.8 J27  
Panel discussion; panel members: S. Hosokawa, D. Fukuda, H. Takeuchi, I. Inoko, Y. Nakao, Y. Iwaki, K. Watanabe, M. Onaka, T. Yamakami, S. Takeuchi, H. Murakami, H. Onana, Y. Maeda, G. Kimura, T. Nishiura, and K. Ando.
- 97304 ISAGAWA, Y. The main causes for instability in poultry raising operation. (Ja) *Niwatori-no-Kenkyu* 39(1):140-145. Jan.1964. 47.8 N64  
The industry.
- 97305 JABAT, J. V. Malaya notes poultry progress. *Poultry Internatl.* 2(4):36,38,41. Oct.1963. 47.8 P6898
- 97306 JABAT, J. V., and CHONG, P. K. Poultry industry moves forward in Taiwan. *Poultry Internatl.* 3(1):32,34. Jan.1964. 47.8 P6898
- 97307 JAPAN, MINISTRY OF AGRICULTURE AND FORESTRY. The general situation of poultry raising throughout the nation. (Ja) *Niwatori-no-Kenkyu* 39(5):130-136. May 1964. 47.8 N64
- 97308 JAPAN, MINISTRY OF AGRICULTURE AND FORESTRY. Number of hens and eggs produced. (Ja) *Niwatori-no-Kenkyu* 38(6):146-148. June 1963. 47.8 N64  
Statistics.
- 97309 JAPAN, MINISTRY OF AGRICULTURE AND FORESTRY. Statistics on autumn chicks. (Ja) *Niwatori-no-Kenkyu* 38(6):138-142. June 1963. 47.8 N64
- 97310 JASPER, A. W. What is "futures trading"—and how does it work? *Poultry Internatl.* 3(1):26, 28-31. Jan.1964. 47.8 P6898
- 97311 JONES, H. B. How profitable is selling eggs direct to retail stores? *Poultry Internatl.* 3(1):36-38. Jan.1964. 47.8 P6898
- 97312 JONG, J. J. DE. Quality of consumer eggs. (Du) *Veeteelt en Zuivelber.* 5(10):381-388. Oct.1962. 49 V51
- 97313 JONG, J. J. DE. The quality of the consumption egg. *World's Poultry Sci. J.* 19(4):272-282. Oct./Dec.1963. 47.8 W89
- 97314 KAWAI, Y. What the poultry raising administration should be in the future. (Ja) *Japan Poultry J.* 48(4):132-136,139. Apr.1963. 47.8 J27
- 97315 KENNETT, H. C., and FITZGERALD, J. C. Shell egg grading and inspection of egg products. U. S. D. A. Mktg. B. 30,25 p. June 1964. A280.39 Ag8M
- 97316 KIN, K. The aim of poultry cooperatives and superior examples. I. (Ja) *Keiyu* 12:60-68, map. Dec.1963. 47.8 K26
- 97317 KIYOSAWA, M. The chicken egg market and its future. (Ja) *Niwatori-no-Kenkyu* 38(6):32-36. June 1963. 47.8 N64
- 97318 KIYOSAWA, M. The recent Tokyo market. (Ja) *Niwatori-no-Kenkyu* 39(1):164-168, map. Jan. 1964. 47.8 N64
- 97319 KOBAYASHI, M. Desired changes in the business world. (Ja) *Keiyu* 12:20-26. Dec.1963. 47.8 K26  
Poultry industry.
- 97320 KOBAYASHI, S. The distribution structure and some problems. (Ja) *Niwatori-no-Kenkyu* 39(1):170-173. Jan.1964. 47.8 N64  
For poultry products.
- 97321 KOMURA, K. The political parties program for promoting poultry raising business—the Socialist Party. (Ja) *Japan Poultry J.* 49(2):50-55. Feb.1964. 47.8 J27
- 97322 KONDO, C. Establishing the value of products. (Ja) *Japan Poultry J.* 48(5):106-108,111. May 1963. 47.8 J27  
Poultry products prices.
- 97323 KURIBARA, J. A record of observations of American poultry raising at the source. (Ja) *Niwatori-no-Kenkyu* 38(11):122-126. Nov. 1963. 47.8 N64
- 97324 KUROIWA, H. The outline of a plan for the improvement and increase of poultry. (Ja) *Niwatori-no-Kenkyu* 39(4):70-71. Apr.1964. 47.8 N64  
Governmental policy.
- 97325 KUROIWA, H. Preparations for the improved production of poultry. (Ja) *Niwatori-no-Kenkyu* 39(1):30-31. Jan.1964. 47.8 N64
- 97326 LACEY, W. V. An economic study of the poultry industry in Northern and Southern Rhodesia. *Agrekon* 3(2):18-24. Apr.1964. 281.8 Ag835
- 97327 LARKIN, R. C. What good are school lunch purchases? *Turkey World* 39(3):22,38-39,42, 44,46. Mar.1964. 47.38 T84  
Includes statements by L. Peterson, T. J. Farley, W. Griffin, H. Pearson, F. K. Floden, and G. A. Escala.  
Government buying of turkey surplus.
- 97328 LARZELERE, H. E. Turkey tonnage up moderately. *Turkey World* 39(7):19,21,24. July 1964. 47.38 T84
- 97329 LEEUWEN, A. VAN. The quality of egg shells on small poultry farms. (Du) *Veeteelt en Zuivelber.* 6(12):565-573. Dec.1963. 49 V51
- 97330 LENTZ, C. P., and VAN DENBERG, L. Freezing times for poultry in corrugated cartons. *Canad. Food Indus.* 35(7):38-41. July 1964. 286.83 C166
- 97331 LIFSHITZ, A., and BAKER, R. C. Some physical properties of the egg shell membranes in relation to their resistance to bacterial penetration. *Poultry Sci.* 43(3):527-528. Ref. May 1964. 47.8 Am33P
- 97332 LINKO, R. R., and NIKKILA, O. E. Behaviour of muscle protein fractions of broilers during freezing and frozen storage. *Suomen Maataloustiet. Seura. Maataloustiet. Aikakausk.* 35(3):92-104. Ref. 1963. 20 Su7M



- 97333 MAKINO, T. The national operational plan for poultry raising. (Ja) Niwatori-no-Kenkyu 39 (4):72-74. Apr.1964. 47.8 N64  
Governmental policies.
- 97334 MAKINO, T. The world egg production and trade. (Ja) Niwatori-no-Kenkyu 38(7):106-108. July 1963. 47.8 N64
- 97335 MALAKSHINOV, M. Changes of free amino acids of poultry meat related to the method of feeding, technology and dates of storage. (Rus) Myasnaya Indus. SSSR 1:46-47. 1964. 50.8 M58
- 97336 MARTIN, J. E. The effects of changes in transportation rates on the Delmarva poultry industry. Md. Agr. Expt. Sta. Misc. P. 515, 102 p.,map. Ref. May 1964. 100 M36M
- 97337 MARTIN, J. H. Latest developments in the United States turkey industry. Turkeys 12(3):26-29. Mar.1964. 47.38 T847
- 97338 MAY, K. How processors can reduce [poultry] meat spoilage. Broiler Business 15(7):14,16. July 1964. 47.8 B782
- 97339 MICKELBERRY, W. C. Automatic retailing; potential new market for broilers. Broiler Business 14(10):56,58-59. Oct.1963. 47.8 B872
- 97340 MILLS, W. C. Are name grades next? Turkey World 39(5):12-13,16. May 1964. 47.38 T84
- 97341 MOFFATT, B. W. Summer heat is enemy; problems of eggs, quality. EMB Bulletin 3(11):33,35. Oct.1963. 280.38 Eg3
- 97342 MORA, A., and GASPARINI, U. Inspection and sanitation vigilance in the production and marketing of poultry meat. II. (It) Avicoltura 33(2):81-88. (Cont.) Feb.1964. 47.8 R523
- 97343 MOTTA, S. The crisis of the egg market should not discourage the aviculturist—look forward! (It) Avicoltura 33(2):69-70. Feb.1964. 47.8 R523
- 97344 MOUNTNEY, G. J., and others. The effect of 2 hepta-5-methylbenzimidazole and hydrochloric acid on the growth of microflora found on poultry carcasses. Poultry Sci. 43(3):778-780. May 1964. 47.8 Am33P  
U. B. Blackwood, R. N. Kinsley, and J. E. O'Malley, joint authors.
- 97345 MURAOKA, M. Chickens produced in Japan and the Olympic games in Tokyo. (Ja) Niwatori-no-Kenkyu 39(2):46-49. Feb.1964. 47.8 N64  
Cookery and consumption.
- 97346 NEBRASKA POULTRY IMPROVEMENT ASSOCIATION. Poultry statistics & directory—1963 yearbook. Lincoln, 1963. 100 p.,map. 47.9 N272
- 97347 NORTHERN IRELAND, MINISTRY OF AGRICULTURE. Have eggs of first quality. North. Ireland. Min. Agr. L. 57,7 p. Feb.1964. 10 N81
- 97348 ONARI, K. A look at poultry raising in Wakayama. (Ja) Japan Poultry J. 49(3):58-62. Mar. 1964. 47.8 J27
- 97349 ONARI, K. Raising poultry in Hokuriku. (Ja) Japan Poultry J. 49(1):114-120, map. Jan.1964. 47.8 J27
- 97350 ORR, H. L. A call for better egg quality. Canad. Poultry Rev. 88(6):9-11. June 1964. 47.8 C16
- 97351 OTOGA, S. Prospect for poultry raising in the future. (Ja) Japan Poultry J. 48(10):52-58. Oct.1963. 47.8 J27
- 97352 PAUL, C., and CLAPTON, W. The Easter turkey market; a preliminary survey. Turkeys 12(4):9. Apr.1964. 47.38 T847  
Great Britain.
- 97353 PEARCE, J. Japanese poultrymen see uncertain future, despite growing market. Poultry Internatl. 3(2):30-32. Apr.1964. 47.8 P8698
- 97354 PERRY, G. A., LAWRENCE, R. L., and MELNICK, D. Extension of poultry shelf life by processing with sorbic acid. Food Technol. 18(6):101-107. Ref. June 1964. 389.8 F7398
- 97355 PONS, P., and LINON, G. P. Application of the law of August 1, 1905, modified, to the putting up for sale and the sale of chickens. (Fr) Rev. de Med. Vet. [Toulouse] 114(6):448-452. June 1963. 41.8 R32
- 97356 THE PRESENT situation and future of raising broilers. 1. (Ja) Niwatori-no-Kenkyu 39(4):94-99; (5):82-86. Apr.-May 1964. 47.8 N64  
Panel discussion; panel chairman: K. Yamana; panel members: M. Horikiri, S. Kosaka, G. Soda, and J. Kokubo.
- 97357 REHKUGLER, G. E. Egg-handling equipment design. Amer. Soc. Agr. Engin. Trans. ASAE 7(2):174-178. 1964. 290.9 Am32T
- 97358 REICHERT, W. Egg production and markets. (Ge) Forderungsdienst 12(2):40-43. Feb.1964. 19 F75  
Industry and effects of the E.E.C. on Austria.
- 97359 RISHER, C. F. The Carolinas and Georgia: watch for fast growth. Turkey World 38(9):10, 41-43. Sept.1963. 47.38 T84
- 97360 ROY, P. Dealer co-ops can help small integrators survive. Broiler Business 15(8):38. Aug.1964. 47.8 B782  
Poultry.
- 97361 SAITO, T. American part time poultry raisers as I saw them. (Ja) Japan Poultry J. 48(10):24-26,29-31. Oct.1963. 47.8 J27
- 97362 SAITO, T. My view of American poultry raising. 5. Commercialization. (Ja) Japan Poultry J. 49(2):24-26,29. Feb.1964. 47.8 J27
- 97363 SAITO, T., and others. Report of the second survey of American poultry raising. (Ja) Niwatori-no-Kenkyu 38(11):118-121. Nov.1963. 47.8 N64  
H. Hosoba, M. Dohi, K. Nemoto, S. Hosaka, and K. Yoshida, joint authors.
- 97364 SAPORTA, R. Conditioning of eggs. (It) Avicoltura 33(2):127-130. Feb.1964. 47.8 R523  
Equipment for preparing eggs for market.
- 97365 SATO, T. The trends in market prices and selling routes of table poultry. 1-2. (Ja) Niwatori-no-Kenkyu 39(2):34-40; (3):36-39. Feb.-Mar.1964. 47.8 N64
- 97366 SAUVAGE, A. Poultry integration and cooperation. (Fr) Inform. et Doc. Agr. 18(11):5-9,11-19. June 1,1964. 14 In32
- 97367 SAWABE, M. Preparation of a policy for the distribution of eggs and table poultry. (Ja) Niwatori-no-Kenkyu 39(4):76-77. Apr.1964. 47.8 N64
- 97368 SCHOORL, P. Notes on the shell thickness of eggs in relation to breaking strength. (Du) Veeteelt en Zuivelber. 6(9):388-395. Sept.1963. 49 V51
- 97369 SCHORGER, A. A. The domestic turkey in Mexico and Central America in the Sixteenth Century. Wis. Acad. Sci. Arts & Let. Trans. 52:133-152. Ref. 1963. 500 W75
- 97370 SHEFFER, A., and BUDYANSKAYA, L. Utilization of ethylene glycol in freezing operations. (Rus) Myasnaya Indus. SSSR 1:52-55. Ref. 1964. 50.8 M58  
Poultry meat.
- 97371 SHUTTLEWORTH, J. Adjusting B.C. broiler sales. Canad. Poultry Rev. 88(6):48,50-51. June 1964. 47.8 C16
- 97372 SLAUGHTER, R., and WEST, J. G. Some factors affecting turkey growers' attitude toward the proposed turkey marketing order. Mo. Agr. Expt. Sta. Res. B. 845,39 p.,map. Oct. 1963. 100 M693  
Policies and programs.
- 97373 SOSEBEE, M. E., MAY, K. N., and SCHMITTLE, S. C. The histological effects of proteolytic enzyme addition on freeze-dehydrated chicken meat. Poultry Sci. 43(3):553-559. May 1964. 47.8 Am33P
- 97374 STEINHAEUER, J. E., and BANWART, G. J. The effect of food grade polyphosphates on the microbial population of chicken meat. Poultry Sci. 43(3):618-625. Ref. May 1964. 47.8 Am33P
- 97375 STEVENS, R. D., and MEDLOCK, G. T. Do you know enough about business contracts? Turkey World 39(5):10,60. May 1964. 47.38 T84
- 97376 SUZUKI, T. American poultry world as seen by a poultry raiser. (Ja) Japan Poultry J. 48(10):34-36,39-42. Oct.1963. 47.8 J27

- 97377 SYKES, F. The poultry industry's revolution. Span 7(1):45-47. 1964. 464.8 Sp2 Great Britain.
- 97378 SYKES, G. Poultry; a modern agribusiness. London, Crosby Lockwood, 1963. 242 p. 281.347 Sy4
- 97379 TAKIKAWA, M. The agricultural cooperative organization from chicks to marketing. (Ja) Niwatori-no-Kenkyu 38(12):120-124, map. Dec. 1963. 47.8 N64
- 97380 TERA0, S. The creation of an ideal agricultural village with cooperative poultry raising as the basis. (Ja) Niwatori-no-Kenkyu 38(12): 26-33, map. Dec. 1963. 47.8 N64
- 97381 TIJEN, W. F. VAN. A method for the combined determination of the average specific weight of a number of eggs. (Du) Veeteelt en Zuivelber. 6(12):574-578. Dec. 1963. 49 V51
- 97382 TOKORO, H. The future of poultry raising operations. (Ja) Japan Poultry J. 49(2):82-86. Feb. 1964. 47.8 J27
- 97383 TOKORO, H. New feelings on poultry raising. (Ja) Niwatori-no-Kenkyu 38(6):114-116. June 1963. 47.8 N64
- 97384 TOKORO, H. Poultry raising under a new economic environment. (Ja) Japan Poultry J. 48 (10):120-122. Oct. 1963. 47.8 J27
- 97385 TOTH, M. Situation and developmental trends in poultry husbandry of the Soviet Union and of our country. (Hu) Szovjet Tapasztalatok a Magyar Mezogazdasagban 1:89-107. 1962? 19 Sz5
- 97386 TYLER, C., and GEAKE, F. H. A direct comparison of certain cracking and crushing methods used for measuring shell strength. Brit. Poultry Sci. 5(1):37-43. Jan. 1964. 47.8 B77
- 97387 TYLER, C., and GEAKE, F. H. Egg shell strength and its relationship to thickness, with particular reference to individuality in the domestic hen. Brit. Poultry Sci. 5(1):3-18. Ref. Jan. 1964. 47.8 B77
- 97388 TYLER, C., and GEAKE, F. H. The testing of methods for cracking egg shells, based on paired readings from individual eggs and the measurement of some effects of various treatments. Brit. Poultry Sci. 5(1):19-28. Jan. 1964. 47.8 B77
- 97389 TYLER, C., and GEAKE, F. H. The testing of methods for crushing egg shells, based on paired readings from individual eggs and the measurement of some effects of various treatments. Brit. Poultry Sci. 5(1):29-35. Jan. 1964. 47.8 B77
- 97390 UEJIMA, J. The establishment of a basic policy for poultry raising. (Ja) Japan Poultry J. 49(1):124-126. Jan. 1964. 47.8 J27
- 97391 UEJIMA, J. Thoughts on poultry raising of the past ten years. (Ja) Japan Poultry J. 49(2): 56-60. Feb. 1964. 47.8 J27 Situation and outlook.
- 97392 UEMATSU, Y., and TAKEI, S. Agricultural improvement operations and poultry raising in the Tokai area. (Ja) Japan Poultry J. 49(6): 78-83. June 1964. 47.8 J27
- 97393 U. S. DEPT. OF AGRICULTURE. POULTRY RESEARCH AND MARKETING ADVISORY COMMITTEE. Report and recommendations of the eighteenth meeting, Ames, Iowa, 1963. Washington, U. S. Agr. Res. Serv., 1963. 5 p. 1.90 R3R299
- 97394 U. S. DEPT. OF AGRICULTURE. STATISTICAL REPORTING SERV. Poultry and hatchery production in California; summary for 1963, inventory January 1, 1964 by R. L. Sitzman, J. D. Fleming, M. M. Hill, and D. N. Taylor. Sacramento, 1964. 21 p. 1.941 H8P862
- 97395 VARIOUS problems confronting the present day poultry raising world. (Ja) Japan Poultry J. 49(4):98-100, 105-107. (Cont.) Apr. 1964. 47.8 J27 Panel discussion; Chairman: M. Takamatsu, panel members: S. Hosokawa, D. Fukuda, H. Takeuchi, I. Inoko, Y. Nakao, Y. Iwaki, K. Watanabe, M. Onaka, T. Yamakami, S. Takeuchi, H. Murakami, H. Onana, Y. Maeda, G. Kimura, T. Nishiura, T. Nishiura, and K. Ando.
- 97396 VARIOUS problems in poultry raising at present. (Ja) Keiyu 5:180-186, 191-192. May 1964. 47.8 K26 Panel discussion: panel chairman: M. Takamatsu; panel members: M. Onaka, H. Onana, Y. Nakao, D. Fukuda, I. Inoko, K. Watanabe, K. Ando, T. Nishiura, S. Hosokawa, H. Takeuchi, T. Yamakami, S. Takeuchi, Y. Iwaki, G. Kimura, Y. Maeda, and F. Oshika.
- 97397 VERMA, J. K. Better marketing of poultry products. Indian Livestock 1(3):4-5. July/Sept. 1963. 49 In23 India; emphasis on eggs.
- 97398 VREE, J. DE. Layers in 1957 and 1961. (Du) Veeteelt en Zuivelber. 5(10):379-380. Oct. 1962. 49 V51 Statistial.
- 97399 WATANABE, H. Improved operations in agricultural structure and poultry raising. (Ja) Niwatori-no-Kenkyu 39(1):102-107. Jan. 1964. 47.8 N64
- 97400 WATANUKI, M. Where is the Japanese poultry industry going? (Ja) Niwatori-no-Kenkyu 38 (3):52-53. Mar. 1963. 47.8 N64
- 97401 WEISHEIT, H. Contribution to the inquiry of Austrian poultry production. (Ge) Bodenkult. Ausg. B, Agrarwirt. Teil 14(2):137-153. Ref. Jan. 1964. 281.8 B632 Amount of production.
- 97402 WERDELIN, C. Commentary to the regulation of Landbrugsministeriet of October 8, 1963 on marketing of live poultry. (Da) Slagtefjerkrae 3(2):32. Jan. 31, 1964. 47.8 SL1
- 97403 YAMADA, S. The distribution organization for eggs and the situation of the producers. (Ja) Japan Poultry J. 49(2):118-120, 123. Feb. 1964. 47.8 J27
- 97404 YAMAMOTO, K. The story of poultry raising in Hokkaido. (Ja) Japan Poultry J. 48(5):118, 121-123. May 1963. 47.8 J27
- 97405 YAMASHITA, K. Production and circulation during the first half of 1962. (Ja) Niwatori-no-Kenkyu 38(3):115-118. Mar. 1963. 47.8 N64 Eggs.
- 97406 YASUDA, Z. Thoughts of the poultry raising world in our country at the beginning of the new year. (Ja) Niwatori-no-Kenkyu 39(1):56-57. Jan. 1964. 47.8 N64
- 97407 YONENO, Y. Theme for this year; the consolidation of guidance systems. (Ja) Niwatori-no-Kenkyu 39(1):51-52. Jan. 1964. 47.8 N64 Policies and programs in poultry raising in Japan.
- 97408 YOSHIKAWA, T. The direction of the Japanese poultry raising revolution. (Ja) Niwatori-no-Kenkyu 38(3):63-65. Mar. 1963. 47.8 N64
- 97409 YOSHIOKA, J., and SAITO, I. Experimentatio and investigation of the influences changing the content and weight of chicken eggs during storage. (Ja) Keiyu 12:70-74. Dec. 1963. 47.8 K26

## RUBBER AND RUBBER SUBSTITUTES

- 97410 AUZAC, J. D'. Variations in enzyme activity and in certain constituents of latex during tapping of Hevea brasiliensis. Rev. Gen. du Caoutchouc et des Plastiques 41(5):840-842. May 1964. 305.8 R32 Text also in French.
- 97411 DEMERSON, J. Rubber trimming with carbon dioxide. (Fr) Rev. Gen. du Caoutchouc et des Plastiques 41(5):811-812. May 1964. 305.8 R32
- 97412 PASARIBU, A. A study of the competition between natural and synthetic rubber. Diss. Abs. 24(12, pt. 1):5039. June 1964. 241.8 M58 Future possible surplus of production over consumption.
- 97413 TATA, S. J., and MOIR, G. F. J. The proteins of Hevea brasiliensis latex. 5. Starch gel electrophoresis of C serum proteins. Rubber Res. Inst. Malaya. J. 18(3):97-108. Ref. 1964. 78.9 R824J



## SEEDS

- 97414 ANFILOGOV, A. D., and others. Lifting the level of seed culture of Latvia's farms. (Rus) Selek. i Semen. 2:12-14. Mar./Apr. 1964. 61.9 Se5  
K. B. Belostotskii, Yu. P. Kurachenko, V. M. Mal'tsev, and A. Zh. Khofmanis, joint authors. Chiefly quality and storage.
- 97415 APPELQVIST, L. A., and LOOF, B. Investigations of the seed quality of Swedish oil crops. III. The quality of the winter rape and white mustard seed harvested in 1963. (Sw) 74(2/3): 183-210. Ref. 1964. 61.9 Sv23  
English summary.
- 97416 BARBIER, R. Official certification of seeds and plants. (Fr) Inform. et Doc. Agr. 18(9): 17-20. May 1, 1964. 14 In32
- 97417 BARRE, H. J. Equipment for processing seeds in North America. Internatl. Seed Testing Assoc. Proc. 29(1):159-170. Ref. 1964. 61.9 In84P
- 97418 CLARK, B. E., and PAGE, H. L. The quality and labeling of seeds in New York as revealed by sampling and testing in 1963. N. Y. (State) Agr. Expt. Sta. B. 804,43 p. Mar. 1964. 100 N48
- 97419 GAWLOWSKI, K. Seed industry in 1962/63 and 1963/64. (Pol) Nowe Roln. 13(2):4-6. Jan. 16/31, 1964. 20.5 N86
- 97420 GAY, J. Development of the grain seed market since 1952. (Fr) Inform. et Doc. Agr. 18(9): 32-35. May 1, 1964. 14 In32
- 97421 GORCHOWICZ, J. Remarks on magnetic cleaning of small papilionaceous seeds. (Pol) Nowe Roln. 13(3):21-22. Feb. 1/15, 1964. 20.5 N86  
Chiefly clover.
- 97422 HENSCH, A. Importance of good quality planting seed. (Hu) Termeloszovetkezetek Tanacsadoja 24:1-2. June 10, 1964. 280.28 T272
- 97423 JENSEN, L. A. Bentgrass weight survey. Assoc. Off. Seed Anal. News Let. 38(2):14. June 1964. 41.9 As7N
- 97424 JONSSON, E. Control of seed potatoes 1963. (Sw) Lantmannen 75(6):155-157. Feb. 8, 1964. 11 L234
- 97425 KAMRA, S. K. The use of X-rays in seed testing. Internatl. Seed Testing Assoc. Proc. 29(1): 71-79. Ref. 1964. 61.9 In84P
- 97426 KOPSIC, T., and FERRACUTTI, N. N. Tobacco (Nicotiana tabacum) seeds. (Sp) Indus. y Quim. 23(2):135-136. Ref. 1963. 385 In28  
Chemical analysis.
- 97427 LEMOINE, J. Technical regulation of grain seed certification. (Fr) Inform. et Doc. Agr. 18(9):2-3. May 1, 1964. 14 In32
- 97428 MACKAY, D. B. The detection of mixed origin in samples of Italian ryegrass: observation of plants grown from pure seed separations. Internatl. Seed Testing Assoc. Proc. 29(1):11-16. 1964. 61.9 In84P
- 97429 THE MAIN task of the agriculture is the intensification. (Rus) Selek. i Semen. 2:3-7. Mar./Apr. 1964. 61.9 Se5  
Policies and programs for seeds.
- 97430 MAYER, R. Seeds confronted with the requirements of a modern agricultural economy. (Fr) Inform. et Doc. Agr. 18(9):14-16. May 1, 1964. 14 In32  
Regulation.
- 97431 MENNESSON. The future of the seed market. (Fr) Inform. et Doc. Agr. 18(9):21-23. May 1, 1964. 14 In32  
Grain.
- 97432 MIKHAILENKO, E. Cleaning and grading millet seeds. (Rus) Tekh. v Sel'sk. Khoz. 5:25-26. May 1964. 58.8 M11  
Equipment.
- 97433 MYERS, W. M. The OECD certification scheme. Crop Quality Council. Ext. Conf. Rpt. 1962:1-2. 464.9 N813  
Seeds.
- 97434 NEDERLANDSCHE ALGEMEENE KEURINGS-DIENST VOOR LANDBOUWZADEN EN AARDAPPELPOOTGOED. 31<sup>ste</sup> jaarverslag [31st annual report], 1962-1963. Wageningen, 1963. 215 p. 12 N284
- 97435 QUARTLEY, C. E. The detection of mixed origin in samples of Italian ryegrass; provenance examination. Internatl. Seed Testing Assoc. Proc. 29(1):1-10. 1964. 61.9 In84P
- 97436 ROSZKOWSKI, A., and TABISZEWSKI, A. Cleaning seeds of leguminous plants and preparing them for sowing. (Pol) Nowe Roln. 13(2):48-51. Jan. 16/31, 1964. 20.5 N86  
Chiefly equipment.
- 97437 TRANCHANT, B. Comments on the technical regulation of production, control, and certification of wheat, barley, oat, and rice seeds. (Fr) Inform. et Doc. Agr. 18(9):25-27. May 1, 1964. 14 In32
- 97438 ZALESKI, M. On the situation in vegetable seed industry. (Pol) Nowe Roln. 12(19):38-40. Oct. 1/15, 1963. 20.5 N86
- 97439 ZALESKI, M. Vegetable seed situation. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 218:22-28. Jan. 7, 1964. 173 J663Ste  
Translation from Nowe Rolnictwo 19:38-40. Oct. 1/15, 1963.

## SUGAR AND SIRUPS

- 97440 ACHARI, T. K. T. Sugarcane production and sugar marketing in Australia. I. Indian Sugar [Calcutta] 14(1):27-32. Apr. 1964. 65.8 In26
- 97441 AMELUNXEN, B. New electric control device for regulating the filling of sugar centrifuges. (Ge) Z. f. Zuckerindus. 14(2):74-80. Feb. 20, 1964. 65.8 D48  
English summary.
- 97442 ANUNCIACION, C. Sugar consumption trends. Sugar News [Manila] 40(4):201-203. Apr. 1964. 65.8 Su36
- 97443 ATHENSTEDT, M. On the examination of raw sugar qualities with respect to the affination process. (Ge) Z. f. die Zuckerindus. 14(6): 320-321. June 20, 1964. 65.8 D48  
English summary.
- 97444 BALLINGER, R. A., and LARKIN, L. C. The growing importance of sugar substitutes. Sugar y Azucar 59(7):42,44. July 1964. 65.8 F11
- 97445 BARTHOLOMAE, F., and ERSOY, V. Simple colorimetric determination of sugar by means of sulfuric acid. (Tu) Seker 13(51):5-9. Ref. Apr. 1964. 65.8 Se4  
English summary.
- 97446 BENIN, G. S. Use of supersonic vibrations in sugar manufacture. Sakh. Promysh. 5:15-21. May 1964. 65.8 Sa2
- 97447 BERLIN, INSTITUT FUR ZUCKERINDUSTRIE. Report of the director of the Research Institute for Sugar Technology for the year 1963, by Hirschmuller. (Ge) Z. f. Zuckerindus. 14(2): 85-87. Feb. 20, 1964. 65.8 D48
- 97448 BRUNICHE-OLSEN, H. The D. d. S. De danske Sukkerfabrikker]-diffuser for cane. Sugar y Azucar 59(7):36-39. July 1964. 65.8 F11
- 97449 CAROLAN, R. Laboratory experiments on molasses exhaustion. (Ge) Z. f. die Zuckerindus. 14(4):189-197. Ref. Apr. 20, 1964. 65.8 D48  
English summary.
- 97450 CHANG, C. S. Studies on the governing factors influencing the filterability of Taiwan raw sugar. I. The relation between filterability and changes in the amounts of impurities of raw sugar solution before and after the filtration test. (Ch) Taiwan Sugar Expt. Sta. Rpt. 34:147-155. Ref. Feb. 1964. 65.9 F76R  
English summary.

- 97451 CHANG, C. S. Studies on the wet process for extracting crude sugarcane wax. (Ch) Taiwan Sugar Expt. Sta. Rpt. 34:135-146. Feb.1964. 65.9 F76R  
English summary.
- 97452 COJOCARU, C. Investigations on the settling of a continuous fermentation technological process of molasses, in alcohol manufacture. (Rum) Bucharest. Inst. de Cercet. Aliment. Lucrarile 6:215-237. Ref. 1962/1963. 389.9 R86  
English summary.
- 97453 DAENICHEVA, V. A. A contribution to the problem of determination of level of mechanization of manufacturing in sugar industry. (Rus) Sakh. Promysh. 5:44-47. May 1964. 65.8 Sa2
- 97454 FOULDS, R. T. Central processing of maple sap; syrup making—1963. Vt. Farm & Home Sci. 5(3):11. Spring 1963. 100 V593
- 97455 GHEORGHIU, V., and MANUCA, L. Producing liquid yeast from sugar beets or molasses. (Rum) Rev. de Zooteh. si Med. Vet. 14(2):41-49. Ref. Feb.1964. 49 P943
- 97456 HAUCKE, H. Coordinate-geometrical solution of sugar technological calculations. II. (Ge) Z. f. Zuckerindus. 14(2):83-85. Feb.20,1964. 65.8 D48  
English summary.  
Sugar beets.
- 97457 KHELEMSKII, M. Z., and POEDINOK, N. T. Physical characteristics of the environment at the storage of sugar beets in heaps. (Rus) Sakh. Promysh. 4:43-47. Apr.1964. 65.8 Sa2  
Chiefly temperature and humidity.
- 97458 KOLLMANN, K. The technological value of the sugar beet. (Ge) Zucker 17(8):211-218. (Cont.) Apr.15,1964. 65.8 Z82  
Analysis.
- 97459 KUTEVIN, Z. Mechanization in accounting and application possibilities in our sugar industry. (Tu) Seker 13(51):30-35. Apr.1964. 65.8 Se4  
English summary.
- 97460 LAMBORN, O. H. 1964—sugar year of decision. Sugar News [Manila] 40(5):266,268-270, 272,274,276,278-280. May 1964. 65.8 Su36
- 97461 MANTOVANI, G., and FAGIOLI, F. Investigations into the crystallization of sucrose in the presence of raffinose. (Ge) Z. f. Zuckerindus. 14(4):202-205. Apr.20,1964. 65.8 D48  
English summary.
- 97462 MAUCH, W., and SCHMIDT-BERG-LORENZ, S. Concerning the bacterio-enzymatic rearrangement process sucrose→isomaltulose (6-( $\alpha$ -D-glucosyl)-D-fructose). (Ge) Z. f. die Zuckerindus. 14(6):309-315. June 20,1964. 65.8 D48  
English summary.
- 97463 MAURITIUS SUGAR INDUSTRY RESEARCH INSTITUTE. Annual report, 1963. Port Louis, Mauritius, 1964. 153 p. Ref. 65.9 M442
- 97464 OLARU, M. Polarographical determination of the calcium in the second saturation juice. (Rum) Bucharest. Inst. de Cercet. Aliment. Lucrarile 6:27-33. 1962/1963. 389.9 R86  
English summary.
- 97465 PREY, V., and others. Determination of lactic acid in sugar factory juices. (Ge) Z. f. Zuckerindus. 14(4):205-206. Ref. Apr.20,1964. 65.8 D48  
W. Braunsteiner, R. Goller, and F. Stressler-Buchwein, joint authors.  
English summary.
- 97466 RAMIREZ, J. C. El azucar chorrea acibar [Sugar distills bitterness]. Mexico, 1963. 249 p. 281.365 R14A  
A compilation of articles and essays published by the author in the past twenty years on the sugar industry of Mexico.
- 97467 RAMOS, B. P. Bagasse briquettes solve storage problems, spur new industry. Sugar y Azucar 59(7):40. July 1964. 65.8 F11  
Text also in Spanish, p.65.  
Includes use as a fuel.
- 97468 RENGGER, E. On the relationships between foaming of commercial sugar solutions and the content of surface active substances (review of the literature). (Ge) Z. f. Zuckerindus. 14(5):270-271. Ref. May 20,1964. 65.8 D48
- 97469 RICE, E. F. Into the doldrums and out with Puerto Rican sugar. Sugar J. 27(1):21-22,24. June 1964. 65.8 Su391
- 97470 SALCEDO, J. Research in sugar production. Sci. Rev. 4(9):1-5. Sept.1963. 475 Sci237  
Philippines.
- 97471 SCHLANITZ, F. Concerning crystallization and its control. (Ge) Z. f. Zuckerindus. 14(4):197-201. Apr.20,1964. 65.8 D48  
English summary.
- 97472 SHIMI, I. R., and ELDEIN, M. S. N. Investigations on some factors influencing the submerged citric acid fermentation of cane molasses. Indian J. Technol. 2(4):135-138. Ref. Apr.1964. 475 In22
- 97473 SIWICKI, S., ZOLNIERCZYK, CZ., and KUCZKOWSKI, H. Comparison of planting methods for sugar beets using multigerm, bigerm and monogerm seeds. (Pol) Nowe Roln. 13(3):19-21. Feb.1/15,1964. 20.5 N86
- 97474 SORIANO, A. B., and CAGUIOA, M. R. Report on U.S. study and observation trip. Sugar News [Manila] 40(4):210,212-214,216-217. (Cont.) Apr.1964. 65.8 Su36  
Bulk shipment.
- 97475 SORIANO, A. B., and CAGUIOA, M. R. Report on U. S. study and observation trip. Sugar News [Manila] 40(5):282-284. (Cont.) May 1964. 65.8 Su36  
Bulk shipment.
- 97476 STATICESCU, P. Effects of some antibiotics on the sugar beet preservation. (Rum) Bucharest. Inst. de Cercet. Aliment. Lucrarile 6:15-26. 1962/1963. 389.9 R86  
English summary.
- 97477 SUGAR beet processing in 1963/64. (Hu) Cukoripar 17(6):173-179. June 1964. 65.8 C89
- 97478 TANTAWI, M. H. Cane sugar factory makes first season with continuous cane diffusion in Egypt. Sugar J. 27(1):27-32,44. June 1964. 65.8 Su391
- 97479 TONN, H. Rate of cristallisation in sugar-water solutions, numerical values and comparison of results. (Ge) Z. f. Zuckerindus. 14(5):263-264. May 20,1964. 65.8 D48  
English summary.
- 97480 VAJNA-PAPP, M. New methods of measuring the rate of respiration and the loss of sugar in stored sugar beet. (Ge) Z. f. Zuckerindus. 14(2):67-73. Ref. Feb.20,1964. 65.8 D48  
English summary.
- 97481 VEREIN DER KAUFLEUTE DER DEUTSCHEN ZUCKERINDUSTRIE. General meeting in Aachen. (Ge) Z. f. die Zuckerindus. 14(6):328-329. June 20,1964. 65.8 D48  
Includes abstracts of papers at 65th meeting held in May.
- 97482 VUKOV, K. Mathematical-statistical method in the sugar industry. (Hu) Cukoripar 17(5):129-133. Ref. May 1964. 65.8 C89  
German summary.
- 97483 WALLENSTEIN, H. D., and BOHN, K. Acids in beets and juices. 5. Identification of acids by chromatographical displacement on anion exchangers. (Ge) Z. f. Zuckerindus. 14(5):253-259. Ref. May 20,1964. 65.8 D48  
English summary.
- 97484 WASMUND, R. Contribution for the evaluation of the separation possibility of marc and juice in manufacturing rasped beet. (Ge) Z. f. Zuckerindus. 14(5):265-270. Ref. May 20,1964. 65.8 D48  
English summary.
- 97485 WEBRE, A. L. Special combinations for evaporators. (Sp) Sugar y Azucar 59(7):60-64. July 1964. 65.8 F11
- 97486 WINCH, F. E. New York's maple sirup crop. North. Logger 12(12):14,43. June 1964. 99.81 N812



- 97487 YATSENKO, V. S. Cutting sugar beets tops in cleaners with top cutting section. (Rus) Sakh. Promysh. 5:48-51. May 1964. 65.8 Sa2
- 97488 ZANA, J. Study of properties of native and foreign sugar beet varieties. (Hu) Cukoripar 17(5):145-154. May 1964. 65.8 C89  
German summary.  
Analysis.

## TOBACCO

- 97489 ALEKSEEV, N. N. On the determination of the potential of moisture transmission in tobacco. 10 p. Transl. 13605  
Translation from Vys. Ucheb. Zav. Pishch. Tekh. Izv. 4:144-149. 1962.
- 97490 DOWN-draught curing. Austral. Tobacco Growers' B. 8:2-10. 1964. 69.8 Au72
- 97491 MIKHAILOV, S. Dislocation, specialization and concentration of tobacco growing in the Khaskova district. (Bu) Plovdiv. Nauchnoizsled. Inst. po Tyutyuna. Izv. 4:5-43, map Ref. 1963. 69.9 P72  
English summary.
- 97492 NEBE. Rapid determination of moisture content in tobacco. Tobacco [New York] 159(3):12. July 17, 1964. 286.89 T552
- 97493 NODA, U. Tabako [Tobacco]. Tokyo, Senbai Jigyo Kyokai, 1963. 457 p. 281.369 N67
- 97494 PAO, L. F., and WANG, W. H. The reason for the drop in quality of cured tobacco in the Anshun area and investigation into a method to prevent it. (Ch) Chung Kuo Nung Pao 3:26-30. Mar. 1963. 22.5 C473
- 97495 WRIGHT, H. E., BURTON, W. W., and BERRY, R. C. Isolation of tryptophan from air-cured tobacco by gel-filtration. Nature [London] 202(4938):1210-1211. June 20, 1964. 472 N21
- 97496 WRIGHT, H. E., BURTON, W. W., and BERRY, R. C. Soluble browning reaction pigments of aged burley tobacco. II. The dialysable fraction. Phytochemistry 3(4):525-533. Ref. July 1964. 450 P5622

## MISCELLANEOUS PRODUCTS

- 97497 CAPE TOWN FISHING INDUSTRY RESEARCH INSTITUTE. Sixteenth annual report of the director, January 1962-December 1962. n.p., 1962? 107 p. 414.9 F53A  
Includes fish processing.
- 97498 CZAPKE, K. Agar-agar, product from Furcellaria fastigiata from the Baltic Sea. (Fr) Internatl. Symp. Seaweed Res. Proc., 4th Symp.: 393-397. 1961, pub. 1964. 461.4 In8
- 97499 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. FISHERIES DIV. Some notes on the development of statistical systems covering the seaweed industries of the world. Internatl. Symp. Seaweed Res. Proc., 4th Symp.: 453-463. 1961, pub. 1964. 461.4 In8
- 97500 GEHRING, F. The use of plexiglas as cutting base for fish processing plants along with disinfection study methods. (Ge) Arch. f. Lebensmittelhyg. 13(10):239-242. Oct. 20, 1962. 41.8 L49
- 97501 GT. BRIT. HOPS MARKETING BOARD. Report and accounts for the year ended 31st March 1964. London, 1964. 10 p. 280.3709 G79R
- 97502 HALLSSON, S. V. The uses of seaweeds in Iceland. Internatl. Symp. Seaweed Res. Proc., 4th Symp.: 398-405. Ref. 1961, pub. 1964. 461.4 In8  
Includes discussion.
- 97503 HARDY, A. The possible farming of the seas. In Ovington, J. D., ed. The better use of the world's fauna for food, p. 163-170. 1963. 389.9 Ov4  
Includes discussion.  
For plankton.
- 97504 HOPPE, H. A. Sea algae as raw material base. (Ge) Internatl. Symp. Seaweed Res. Proc., 4th Symp.: 406-409. 1961, pub. 1964. 461.4 In8

- 97505 ILLINOIS. DEPT. OF AGRICULTURE. DIV. OF PLANT INDUSTRY. List of certified Illinois nurseries, November 1, 1963. Ill. Div. Plant Indus. C. 41,84 p. 1963. 464.9 IL6
- 97506 INDIANA. DEPT. OF CONSERVATION. Indiana certified nurseries 1963-1964. Indianapolis, 1963? 26 p. 423.92 G7922
- 97507 INVERESK (SCOTLAND) INSTITUTE OF SEA-WEED RESEARCH. Annual report for 1962. Inveresk, 1963? 23 p. 251 Sco8
- 97508 JARVESOO, E. Nursery trade flourishes in Bay State. Amer. Nurseryman 70(2):15, 140, 142, 144, 146, 148, map. July 15, 1964. 80 Am371
- 97509 LANDBOUW-ECONOMISCH INSTITUUT. Onderzoek naar de kwantitatieve opbrengsten van krokussen in Westfriesland, de zuidelijke bloembollenstreek en Breezand-Julianadorp, teeltjaar 1961-1962 [Research on the quantitative yields of crocuses in West Friesland, the southern flower bulb district, and Breezand-Julianadorp, crop year 1961-1962]. Landb-Econ Inst. Verslagen 43, 16 p. Sept. 1963. 281.9 L23V
- 97510 LUND, S., and BJERRE-PETERSEN, E. Collection and utilization of Danish Furcellaria, 1946-60. Internatl. Symp. Seaweed Res. Proc., 4th Symp.: 410-411. 1961, pub. 1964. 461.4 In8
- 97511 MACFARLANE, C. I. The seaweed industry of the Maritime Provinces. Internatl. Symp. Seaweed Res. Proc., 4th Symp.: 414-419. 1961, pub. 1964. 461.4 In8
- 97512 MICHIGAN. DEPT. OF AGRICULTURE. PLANT INDUSTRY DIV. Nursery inspection bulletin, No. 57, season 1963-64. Lansing, 1964? 129 p. 464.9 M58A
- 97513 MISSOURI. DEPT. OF AGRICULTURE. Missouri certified nurseries, dealers, greenhouses, strawberry growers, sweet potato growers, bramble growers, bulb growers, 1963-1964, by J. L. Rutherford. Jefferson City, 1963. 59 p. 225 M694
- 97514 MIYAUCHI, D., and others. Irradiation preservation of Pacific Coast shellfish. I-II. Food Technol. 18(6):138-147. Ref. June 1964. 389.8 F7398  
M. Eklund, J. Spinelli, and N. Stoll, joint authors.
- 97515 NICOL, D. L. Some recent advances in the processing of fish. In Ovington, J. D., ed. The better use of the world's fauna for food, p. 155-161. Ref. 1963. 389.9 Ov4
- 97516 OMMANNEY, F. D. Sea fisheries in tropical areas. In Ovington, J. D., ed. The better use of the world's fauna for food, p. 95-104. Ref. 1963. 389.9 Ov4
- 97517 ORRACA-TETTEH, R. The giant African snail as source of food. In Ovington, J. D., ed. The better use of the world's fauna for food, p. 53-61. 1963. 389.9 Ov4  
Includes discussion.
- 97518 PARRISH, B. B. Obtaining the maximum yield from traditional methods of harvesting. In Ovington, J. D., ed. The better use of the world's fauna for food, p. 79-93. Ref. 1963. 389.9 Ov4  
Includes discussion.  
Fish.
- 97519 PETERSON, H. C. A commercial chemist's viewpoint. Internatl. Symp. Seaweed Res. Proc., 4th Symp.: 439-442. 1961, pub. 1964. 461.4 In8  
Includes discussion.
- 97520 PRINGUET, A. Processing of fish oil. (Fr) Oleagineux 19(6):411-416. June 1964. 77.8 OL2  
English summary, p. XXVII.
- 97521 RICHARDSON, I. D. Estimation of marine resources off the Atlantic Coast of South America. In Ovington, J. D., ed. The better use of the world's fauna for food, p. 119-133, map. Ref. 1963. 389.9 Ov4
- 97522 SACUIU, I., MIRCESCU, V., and CRETU, R. Determination of the efficiency on the use of centricleaners in the manufacture of sulfate pulp from reed. (Rum) Celuloza si Hirtie (1):17-25. Jan. 1964. 309.8 C334  
English summary.

- 97523 SAVAGE, Z. Murcott & Tangelo Nurserystock usage. *Citrus & Veg. Mag.* 27(10):24. June 1964. 80 C498
- 97524 SCHARFE, J. Improvements and trends of development in marine fishing methods and gear. In Ovington, J. D., ed. *The better use of the world's fauna for food*, p.105-117. 1963. 389.9 Ov4
- 97525 SCHLEGEL, H. L. Storing capacity of marinades, especially roasted marinades—a contribution to the meaning of the marking "keep refrigerated, designed for immediate consumption." (Ge) *Arch. f. Lebensmthyg.* 15(5):106-107. May 20, 1964. 41.8 L49  
Fish.
- 97526 STIBRANY, P. Hops culture in the environs of Trencin. (Cz) *Agrikultura* 2:229-231. 1963. 19.5 Ag8  
German summary.  
Historical.
- 97527 [SYMPOSIUM on] fish microbiology. *Devlpmt. Indus. Microbiol.* 5:95-148. Ref. 1964. 448.3 D49  
Moderator: S. F. Snieszko; panel members: G. L. Bullock, W. W. Scott, J. McN. Sieburth, H. L. A. Tarr, and K. Wolf.  
Includes processing.
- 97528 TARR, H. L. A. Control of bacterial spoilage of fish. *Devlpmt. Indus. Microbiol.* 5:135-139. 1964. 448.3 D49  
Preservation by antibiotics and radiation pasturization.
- 97529 TRZCINSKI, P., and CZAPKE, K. Algal acid from *Fucus* from the Baltic Sea. (Fr) *Internatl. Symp. Seaweed Res. Proc.*, 4th Symp.:443-449. 1961, pub. 1964. 461.4 In8
- 97530 U. S. CROP REPORTING BOARD. Nursery products production and sales, 1962 and 1963, January inventory 1963 and 1964 in 6 selected States. Washington, 1964. 13 p. A286.8 M342
- 97531 VIRGINIA. DEPT. OF AGRICULTURE. DIV. OF REGULATORY SERV. List of registered nurserymen year ending August 31, 1964. Richmond, 1964. 37 p. 225 V812
- 97532 WATANABE, H. Short-term shipping of *Begonia semperflorens*. (Ja) *Noko-to-Engei* 18(6): 102-104. June 1963. 22.5 N693
- 97533 WEIL, M. L. Flowers and flower bulbs. *Agr. Israel* 9(2):38. Nov. 1963. 22.5 Ag825  
Industry.



**AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY**

References on farm structures and rural housing are classified with Agricultural Engineering.

**GENERAL**

- 97534 AMADEI, G. Agriculture and economic provisions. (It) Riv. di Polit. Agr. 11(2):19-25. June 1964. 281.8 R523
- 97535 AMEND, P. Agriculture in the industrial society. (Ge) Agros [Hannover] 8(12):12-14. Dec. 1963. 18 Ag83
- 97536 ANDERSEN, H. V. The annual economic survey. (Da) Sammenslutningen 17(3):586-588, 591-594. Mar. 1964. 11 Sa46  
Includes agriculture.
- 97537 BAROZZI, L. Spain: agriculture in the four-year plan of economic development. (It) Agricoltura 13(3):76-80. Mar. 1964. 16 Ag8226
- 97538 BASU, S. K., and MUKKERJEE, S. B. Evaluation of Damodar canals, 1959-60, a study of the benefits of irrigation in the Damodar Region. London, Asia Pub. House, 1963. 152 p., map. 55 B29  
Economic aspects of agriculture.
- 97539 BOROWIEC, S. Determination of agro-ecological groups in the German Democratic Republic and their importance for agriculture. (Pol) Postepy Nauk Roln. 15(2):139-146. Ref. Mar./Apr. 1963. 20.5 P84  
Effect of site on the agricultural economy.
- 97540 BRADY, W. T. The world and the food problem. (Por) Rural 43(512):22-23. Dec. 1963. 9.2 B733  
Economic policy.
- 97541 BURKS, D. D. Cuba under Castro. Foreign Policy Assoc. Headline Ser. 165, 64 p., map. Ref. June 1964. 280.9 F76H  
Includes some discussion of the agricultural economy.
- 97542 CHAMBLISS, W. J. Chiarajima village: land tenure, taxation, and local trade, 1818-1884. Diss. Abs. 24(12, pt. 1):5353-5354. June 1964. 241.8 M58
- 97543 DUBAS, F. J., and HILLSON, L. H. Basic data on the economy of Malaysia. U. S. Bur. Internatl. Com. Overseas Business Rpt. OBR-64-25, 24 p., map. Ref. Mar. 1964. 157.54 Ov2  
Includes the agricultural economy.
- 97544 EICHER, C. K., ed. Agriculture in economic development. New York, 1964. 415 p. (McGraw-Hill Series in International Development) 281 Ei2
- 97545 FAVARETTI, G. Demographic and economic development in Spain. (It) Prog. Agr. [Bologna] 10(1):65-76. Jan. 1964. 58.8 P94
- 97546 FERNANDEZ Y FERNANDEZ, R. The Laguna District. (Sp) Algodon Mex. 3(15):13-16, 18-19. Mar./Apr. 1963. 72.8 AL32  
Present conditions in this irrigated area of Mexico.
- 97547 GAD, H. Economic development in Danish agriculture. Dan. Foreign Off. J. 49:46-49. June 1964. 286.8 D22
- 97548 GAD, H. Economic development of Danish agriculture. (Sp) Inform. Danesas 26:32-37. 1964. 286.8 In33
- 97549 GARCIA ISIDRO, M. The economy and the countryside. (Sp) Agricultura [Madrid] 33(385):293-294. May 1964. 15 Ag84
- 97550 GAVRISHEFF, E. Basic data on the economy of Mozambique. U. S. Bur. Internatl. Com. Overseas Business Rpt. OBR-64-29, 8 p., map. Mar. 1964. 157.54 Ov2  
Includes the agricultural economy.
- 97551 GOLLING, M. Plant production in Pomerania; fundamentals, development, and importance. (Ge) Osteuropastudien der Hochschule des Landes Hessen. Reihe I, Giessener Abhandl. z. Agr.- u. Wirtforsch. des Europäischen Ostens 20:9-282, map. Ref. 1963. 280.8 Os7  
Includes chapters on land tenure, cultural systems and rotations, plant breeding, land use, and production and yields.
- 97552 HENDRY, J. B. The small world of Khanh Hau. Chicago, Aldine, 1964. 312 p. (Research studies in economic development and cultural change) 281.186 H38  
Chapters discuss the agricultural economy and agricultural productivity as well as social conditions.
- 97553 HOKANSON, J. R. Basic data on the economy of Liberia. U. S. Bur. Internatl. Com. Overseas Business Rpt. OBR-64-42, 16 p., map. Ref. Apr. 1964. 157.54 Ov2  
Includes the agricultural economy.
- 97554 KAMM, J. O. Agricultural economics in a changing world. Ohio Veg. & Potato Growers Assoc. Growers Handb. & Annu. Proc. 49:24-28. 1964. 75.9 Oh3
- 97555 KEYES, S. Urban and regional studies at U.S. universities; a report based on a 1963 survey of urban and regional research. Washington, Comt. Urban Econ., Resources Future, 1964. 127 p. 241.3 K52  
Includes agriculture and land use.
- 97556 LEON GARRE, A. Cinderella, the misunderstood, and the irreversible. (Sp) Cult. Mod. 47(5):176-178. May 1964. 15 C89  
Economic situation in agriculture and the need for a national agricultural conscience.
- 97557 LEWINS, L., and JERSCHKOWSKY, O. Basic data on the economy of Hungary. U. S. Bur. Internatl. Com. Overseas Business Rpt. OBR-64-37, 19 p., map. Ref. Apr. 1964. 157.54 Ov2  
Includes the agricultural economy.
- 97558 MCKELLAR, N. L., SHACKLETON, L. A. The Canadian standard commodity classification. Inst. Internatl. de Statis. B. 40(1):77-101. 1963. 251 In7B  
For compilation of statistics.  
Includes discussion.
- 97559 MCNITT, H. A. Basic data on the economy of Finland. U. S. Bur. Internatl. Com. Overseas Business Rpt. OBR-64-19, 15 p., map. Ref. Feb. 1964. 157.54 Ov2  
Includes the agricultural economy.
- 97560 MILHAU, J., and MONTAGNE, R. Economie rurale [Rural economy]. Paris, Presses Universitaires de France, 1964. 414 p. Ref. (Themis, Manuels Juridiques, Economiques et Politiques) 281.174 M59
- 97561 NALSON, J. S., and PARKER, M. L. Irrigation on the Gascoyne River; an economic appraisal. West. Austral. U. Inst. Agr. Agr. Econ. Res. Rpt. 5, 105 p. Sept. 1963. 281.9 W524  
Includes the agricultural economy.
- 97562 OTTINO, P. Les economies paysannes malgaches du Bas Mangoky [The Malagasy peasant economies of Bas Mangoky]. Paris, Berger-Levrault, 1963. 375 p., map. Ref. (France. Conseil Superieur des Recherches Scientifiques Outre-mer. L'Homme d'Outre-Mer. n.s., No. 7) 281.1997 Ot8
- 97563 OUELLET, F., and HAMELIN, J. The agricultural depression in lower Canada (1802-1837). (Fr) Paris. Ecole Prat. des Hautes Etudes. Sixieme Sect. Sci. Econ. et Soc. Etudes Rur. 7:36-57. Oct./Dec. 1962. 281.9 P21
- 97564 PEYRET, H. Is French agriculture in need of a revolution? (Fr) Economie 20(899):7-8. Jan. 24, 1964. 280.8 Ec726  
Economic conditions.
- 97565 PROCTOR, R. E. Georgia's agricultural industry. Ga. Agr. Expt. Sta. B. (n.s.) 119, 55 p., map. June 1964. 100 G293B  
Includes farm segment adjustments and income trend.
- 97566 RELATIONSHIP between agricultural and industrial development: a case study in Taiwan, China, 1953-1960. United Nations. Econ. Comm. Asia & Far East, Econ. B. Asia & Far East 14(1):29-70. Ref. June 1963. 280.9 Un3653
- 97567 RICE, K. E. Basic data on the economy of Mexico. U. S. Bur. Internatl. Com. Overseas Business Rpt. OBR-64-13, 24 p., map. Ref. Feb. 1964. 157.54 Ov2  
Includes the agricultural economy.

- 97568 ROMER, A. R. Basic data on the economy of Greece. U. S. Bur. Internatl. Com. Overseas Business Rpt. OBR-64-20,14 p.,map. Ref. Feb.1964. 157.54 Ov2  
Includes the agricultural economy.
- 97569 SANTNER, T. Important economic developments in alpine areas. (Ge) Forderungsdienst 12(2):37-40. Feb.1964. 19 F75  
Austria.
- 97570 SEDATI, G. Agriculture in a process of balanced economic and social development. (It) Agricoltura 13(6):29-37. June 1964. 16 Ag8226
- 97571 SINGH, S. Agriculture in Indian economy. Kurukshetra 12(5):8-10. Feb.1964. 281.28 K96
- 97572 SMITH, M. B. Basic data on the economy of Chad. U. S. Bur. Internatl. Com. Overseas Business Rpt. OBR-64-53,8 p.,map. June 1964. 157.54 Ov2  
Includes the agricultural economy.
- 97573 SPRUCE, W. E. Basic data on the economy of British Honduras. U. S. Bur. Internatl. Com. Overseas Business Rpt. OBR-64-63,8 p.,map. June 1964. 157.54 Ov2  
Includes the agricultural economy.
- 97574 TOWER, F. J. Basic data on the economy of Costa Rica. U. S. Bur. Internatl. Com. Overseas Business Rpt. OBR-63-158,17 p.,map. Ref. Dec.1963. 157.54 Ov2  
Includes the agricultural economy.
- 97575 TSIANG, Y. S. Agricultural development in Taiwan. Amer. Soc. Agron ASA Spec. P. 1:21-27. Apr.1963. 64.9 Am3  
Economic conditions.
- 97576 U. S. DEPT. OF AGRICULTURE. ECONOMICS RESEARCH ADVISORY COMMITTEE. Report and recommendations of the tenth meeting, Washington, 1963. Washington, U. S. Agr. Res. Serv., 1963. 14 p. A281.9 R312
- 97577 U. S. EMBASSY, KHARTOUM. Basic data on the economy of the Sudan. U. S. Bur. Internatl. Com. Overseas Business Rpt. OBR-63-166, 15 p.,map. Ref. Dec.1963. 157.54 Ov2  
Includes agriculture.
- 97578 VERHULST, A. Rural economy of Flanders and the economic depression of the early Middle Ages. (Fr) Paris. Ecole Prat. des Hautes Etudes. Sixieme Sect. Sci. Econ. et Soc. Etudes Rur. 10:68-80. Ref. July/Sept.1963. 281.9 P21
- 97579 WIGHTMAN, D. Toward economic cooperation in Asia; the United Nations Economic Commission for Asia and the Far East. New Haven, Yale U. Press, 1963. 400 p.,map. Ref. 280.18 W63  
Agriculture, p.137-150.
- 97580 WILKEN, A. A. Basic data on the economy of Nigeria. U. S. Bur. Internatl. Com. Overseas Business Rpt. OBR-64-47,19 p.,map. Ref. Apr.1964. 157.54 Ov2  
Includes the agricultural economy.
- AGRICULTURAL FINANCE
- 97581 BAPTIST, A. G. Should the fruit producer invest more and under what conditions? (Fr) Agro-Serv. 2:54. Mar./Apr.1964. 385 Ag86  
Belgium.
- 97582 BENTZ, R. P. Should you invest in production facilities? Poultry Tribune 70(6):58. June 1964. 47.8 P8642  
Egg production facilities.
- 97583 BHUIA, N. I. Agricultural finance and rural indebtedness in East Pakistan. Com. & Indus. 8 (4):24-29. (Cont.) June 1964. 286.8 C734
- 97584 FISCHER, D. P. Farm budgeting as an aid to increased efficiency. Farmers' & Sci. Joint Conf. Cereals & Wool, 5th Conf.:69-73. 1963. 27 F22C  
Includes discussion.
- 97585 HARTZLER, F. E. The farmer as a customer. 3. Farm Chem. 127(6):68,70. June 1964. 57.8 Am3
- 97586 HU, E. W. On the proper distribution arrangements during the spring and summer and at the end of the year; an investigation on improvement of profit distribution methodology by the production team. (Ch) Chung Kuo Nung Pao 7:32-34. July 1963. 22.5 C473
- 97587 ISAGAWA, Y. Liquid capital and efficiency. (Ja) Niwatori-no-Kenkyu 38(7):62-69. July 1963. 47.8 N64  
Poultry raising.
- 97588 JUNCKER, F. Financing of agriculture. (No) Tolvmandsbladet 36(6):252-257. June 1964. 11 T58
- 97589 KLEIN, W. J. Modern farmers as consumers. Natl. Farm Inst. [Proc.] 8,12 p. 1963. 4 N219
- 97590 LOWE, M. Family budgeting. Agr. Israel 9(4): 45. Jan.1964. 22.5 Ag825  
Includes consumer education.
- 97591 MANNING, S. L., and VATTER, E. L. Financial management practices of families with steady or fluctuating incomes. N. Y. (Cornell) Agr. Expt. Sta. B. 997,31 p. June 1964. 100 N48C
- 97592 P'O, P. N., ed. Han'guk nongop kum'yungsa [History of Korean agricultural finance]. Seoul, Nongop Hyoptong Chohap Chungang Hoe, 1963. 365 p. 284.2 P752
- 97593 PUERTO RICO. LAND AUTHORITY. Financial statements, 1963. San Juan, 1964. 75 p. 282.9 P963
- 97594 SCHIEFERENZ, J. Agriculture has less invested. (Ge) Agros [Hannover] 3:15-18. Mar. 1964. 18 Ag83
- 97595 SWEDEN. STATISTISKA CENTRALBYRAN. Jordbrukarnas tillgangar och skulder den 31 december 1960 [Assets and liabilities of farmers as on the 31st December 1960]. Stockholm, 1963. 73 p. (Sveriges Officiella Statistik. Jordbruk med Binaringar) 257.3 St2Js  
Table of contents, some table headings and summary also in English.
- 97596 ULRICH, J., and ANDERSON, E. Managing your money; a family plan. Kans. State U. Agr. Ext. C. 330,12 p. June 1964. 275.29 K13Ex
- Credit
- 97597 AGRICULTURAL credit has good chances. (Ge) Raiffeisen-Rundschau 16(1):11-16. 1964. 284.28 R132
- 97598 AXTON, T. P. Financing our expanding farm businesses. Natl. Farm Inst. [Proc.] 1,10 p. 1963. 4 N219  
Primarily credit.
- 97599 BANCA NAZIONALE DELL'AGRICOLTURA. Relazioni e bilancio al 31 dicembre 1963, XLII esercizio [Report and balance sheet as of December 31, 1963, XLII season]. Roma, 1964. 41 p. 284.29 B2233
- 97600 BANCO DE ANGOLA. Relatorio e contas, exercicio de 1963 [Report and accounts, 1963 season]. Lisboa, 1964. 256 p. 280.9 B2224  
Includes the economic situation in agriculture.
- 97601 BANCO DO ESTADO DE SAO PAULO. Relatorio da diretoria, exercicio de 1963 [Report of the management, 1963 season]. Sao Paulo, 1964. 141 p. 284.9 B2227  
Includes agricultural credit and the state of agriculture.
- 97602 BENEDETTI, A. New credits for mechanization, irrigation, and rural building. (It) Agricoltura 13(6):21-25. June 1964. 16 Ag8226
- 97603 CONFEDERATION INTERNATIONALE DU CREDIT AGRICOLE. VIIIe assemblee generale, Hambourg, 13-15 juin 1962 [VIIIth general assembly, Hamburg, June 13-15, 1962]. Hambourg, 1962. 436 p. 284.29 C765Pa
- 97604 CONSORZIO NAZIONALE PER IL CREDITO AGRARIO DI MIGLIORAMENTO, ROME. Relazioni e bilancio dell'esercizio 1963 [Report and balance sheet for the 1963 season]. Roma, 1964. 35 p.,map. 284.29 C764B



- 97605 FINCH, L., and BRYNTESON, C. R. Bankers and intermediate-term credit. *Agr. Banking & Finance* 6(2):19-22. Mar./Apr.1964. 284.8 B22  
Interviewed by G. Wilkins.
- 97606 FRANCE. CAISSE NATIONALE DE CREDIT AGRICOLE. Rapport sur la situation du credit agricole mutuel au 31 decembre 1963 [Report on the mutual agricultural credit situation, December 31, 1963]. Paris, 1964. 81 p.,map. 284.29 F84S
- 97607 HEADLEE, E. Helping farm youth via guaranteed loans. *Burroughs Clearing House* 48(10): 44,87-88. July 1964. 284.8 B94  
Under the Arizona Rural Rehabilitation Corporation.
- 97608 KASHIWA, S. Special cooperatives and credit operations. (Ja) *Kajitsu Nippon* 19(1):17-18. Jan.1964. 80 K122
- 97609 KEAST, J. D. Credit instruments; uses and liabilities. *Doane's* 27(5):23-25. Feb.8,1964. 281.8 D652
- 97610 LOEST. Agricultural credit in Germany. (Fr) *Confed. Internatl. du Credit Agr. Assemblee Gen.* 8:43-144. 1962. 284.29 C765Pa
- 97611 NANDO, K. Organization and working methods of some agricultural credit institutions in the USA. *Surinam. Dept. van Landb. Veeteelt en Visserij. Verslagen en Rap.* 62,76 p. Mar. 1964. 9.6 D952
- 97612 NEW SOUTH WALES. RURAL RECONSTRUCTION BOARD. Report for the year ended 30th June, 1963. Sydney, 1964. 12 p. 284.29 N47  
Credit.
- 97613 SPOKANE BANK FOR COOPERATIVES. Report to board of directors, June 1964. Spokane, 1964. 13 p. 284.29 P94  
Report for the fiscal year ended June 30.
- 97614 STEINHAUS, O. The use of credits in the sale of fertilizer. *Com. Fert. & Plant Food Indus.* 109(1):39,42,44,53-54. July 1964. 57.8 C73
- 97615 STURGILL, P. B. Financing a beef cow herd. *Tex. Livestock J.* 23(7):24,26,76. July 15,1964. 49 T29  
Kentucky.
- 97616 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Department of Agriculture. Hearings, 88th Cong., 1st sess; supplemental appropriation for Public Law 480, Commodity Credit Corporation. Washington, 1963. 18 p. 284.9 Un34D
- 97617 WOLTER, D. Four ways to "sell" your banker. *Doane's* 27(20):18-21. July 8,1964. 281.8 D652  
Farm records for credit.
- 97618 YAMADA, M. Borrowing money from a bank. (Ja) *Japan Poultry J.* 48(5):112-114. May 1963. 47.8 J27  
Poultry industry.
- 97619 YORK, L. F. Financing cattle feed lots. *West Tex. Today* 44(9):13-14,45. Nov.1963. 286.8 W522
- 97620 YOSHIDA, M. Financing of poultry farms. 4. (Ja) *Keiyu* 11:174-177. Nov.1963. 47.8 K26

## Income

- 97621 BLUESTONE, H. Gross poultry income holds steady since 1955. *Agr. Situation* [Washington] 48(7):1-3. July 1964. 1 Ec7Ag
- 97622 BOYNE, D. H. Changes in the real wealth position of farm operators, 1940-1960. *Mich. Agr. Expt. Sta. Tech. B.* 294,75 p. Ref. 1964. 100 M58S  
Income research.
- 97623 CHANDLER, W. P. Have you heard about rights and things; here is something about income tax that you will want to know. *Canad. Cattlemen* 27(4):32-34. Apr.1964. 49 C16
- 97624 CLIFTON, R. E. Kansas farm income may continue downward trend again in 1964. *Kans. Stockman* 44i.e.49(5):78-79. Mar.1964. 49 K134
- 97625 HERENDEEN, J. B. National farm programs & Northeastern farm income. *Pa. State U. Ext. Farm Econ.*, July 1,1964:1-4. 275.28 P38

- 97626 MARTIN, I., and others. Contributions to the study of the social property on the collective farm economy in Simnicolaul-Mare district. (Rum) *Bucharest. Inst. Agron. Timisoara. Lucrari Sti.* 6:3-10. 1963. 106.4 T48  
M. Teaciuc, M. Vinatoru, and L. Zahiu, joint authors.  
English summary.  
Production and income.

## Insurance

- 97627 GARLAND, S. W. Insurance for farmers. Canada. *Dept. Agr. P.* 1188,17 p. 1964. 7 C16Pu
- 97628 JOHNSON, M. L., and METZEN, E. J. Do you know what is in your life insurance policy? *Mo. Agr. Col. Ext. C.* 808,4 p. June 1964. 275.29 M69C
- 97629 KRAUSE, K. R. An economic analysis of the operational efficiency of farm mutual insurance companies. *Diss. Abs.* 24(12,pt.1):5042. June 1964. 241.8 M58
- 97630 KRAUSZ, N. G. P. Should workmen's compensation apply to Illinois farmers? *Ill. Agr. Econ.* 4(2):7-11. Ref. July 1964. 281.9 IL6I
- 97631 LOWE, G. D., ELLENBOGEN, B. L., and DANLEY, R. A. Perceptions of health insurance; subscribers and non-subscribers. *N. Y. (Cornell) Agr. Expt. Sta. B.* 63,28 p. Ref. Mar.1964. 100 N48C
- 97632 MCNEIL, J. H. What you should know about turkey insurance. *Turkey World* 39(3):16-17. Mar.1963. 47.38 T84
- 97633 MAURITIUS. CYCLONE AND DROUGHT INSURANCE BOARD. Report for the period June 1, 1962, to May 31, 1963. Port Louis, 1963. 15 p. 284.69 M44
- 97634 O'BYRNE, J. C. Private mortgage insurance adds competition for FHA. *Agr. Banking & Finance* 6(2):37-39. Mar./Apr.1964. 284.8 B22
- 97635 SKANDINAVISKA KREATURSFORSÄKRINGSBOLAGET. *Arsredovisning och revisionsberättelse* [Annual report and accounting report], 1963, v. 74. Stockholm, 1964. 23 p. 49.9 Sk1S
- 97636 U. S. FEDERAL CROP INSURANCE CORPORATION. What is your cotton crop really worth to you? Washington, 1964. 6 p.-folder. A284.6 F31Wh

## Taxation

- 97637 ANDERSEN, K. Tax problems in connection with the sale of farm properties. (Da) *Landbonyt* 18(1):2,4-6. Jan.1964. 11 L2322
- 97638 ASHE, H. J. It's easier now to expand. *Turkey World* 38(12):76-77. Dec.1963. 47.38 T84  
Taxation.
- 97639 ELIASSON, I. Tax returns 1964—discussion of some problems. (Sw) *Lantmannen* 75(5):120-121. Feb.1,1964. 11 L234
- 97640 HARLAN, R. K. Cut costs with tax management. *Better Farming Methods* 36(2):17. Feb. 1964. 58.8 B46  
Income taxes.
- 97641 HENDERSON, D. W. United support is vitally needed to kill excise taxes. *U. S. Fur Rancher* 43(7):13-14,20. Aug.1964. 412.629 Am3M  
Tax on furs.
- 97642 HOUGHABOOM, V. How to cut your tax bill. *Vt. Farm & Home Sci.* 6(2):10-11. Fall 1963. 100 V593  
Keeping farm records.
- 97643 KEAST, J. D. Here's how the tax cut affects you! *Doane's* 27(11):12-13. Apr.8,1964. 281.8 D652
- 97644 KRESS, E. Don't give money to the Finanzamt. (Ge) *Agros* [Hannover] 3:51. Mar.1964. 18 Ag83  
Tax on wages.
- 97645 MAER, C. M. What are provisions of latest Revenue Act? *Livestock Breeder J.* 7(4):10,14. Apr.1964. 49 L758  
Income tax.

- 97646 NAGAYAMA, R. Income tax and how to take care of it. (Ja) Niwatori-no-Kenkyu 39(2):162-166. Feb.1964. 47.8 N64  
For poultry farmers.
- 97647 SHAPIRO, H. Farm personal property taxes, 1957-62. U. S. D. A. Econ. Res. Serv. ERS-176,21 p.,map. June 1964. A281.9 Ag83E
- 97648 STOCKER, F. D. Urban encroachment in relation to farm taxes. J. Soil & Water Conserv. 19(3):95-97. May/June 1964. 56.8 J822
- AGRICULTURAL LABOR AND WAGES**
- 97649 BERGGREN, F. Where to get advice on personnel relations. Broiler Business 15(8):40,42. Aug.1964. 47.8 B782  
Broiler business.
- 97650 CHAIKIN, P. Experiment of Kuban farmers. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:36-39. 1964. 20 M57  
Labor productive capacity.
- 97651 CLEMENT, L. A. How much labor can you afford to save? Natl. Wool Grower 54(7):27. July 1964. 45.8 N21N  
Figuring value of labor-saving equipment.
- 97652 CUNNINGHAM, F. L. An analysis of the development, operation, and economic significance of the farm labor market of Memphis, Tennessee. Diss. Abs. 24(12,pt.1):5041. June 1964. 241.8 M58
- 97653 DAHM, K. Age structure of the agricultural labor force. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(25):921-922. June 18,1964. 18 N39
- 97654 DUSAUTOIS, R. Silaging in teams in Northern France. (Fr) B. des Engrais 468:67-69. Mar.1964. 57.8 B87  
Work management.
- 97655 ELAM, F. L. Do you need hired help? Turkey World 39(5):44,46-47. May 1964. 47.38 T84  
In California.
- 97656 FEHER, K. Material interest of swine labor. (Hu) Magyar Mezőgazdaság 19(19):18-19. May 6,1964. 19 M27
- 97657 FLEISCHER, E. Some propositions for planning and execution of work and stall arrangement. (Ge) Tierzucht 17(10):450-454. Oct.1963. 49 T443
- 97658 GHANA. CENTRAL BUR. OF STATISTICS. Labour statistics, 1962. Accra, 1963. 270 G343L
- 97659 HODGSON, J. N. Incentives for dairy farm labour. Massey Agr. Col. Dairyfarming Annu. 1963:65-76. 44.9 M382
- 97660 JALASS, G., and SCHWARZBACH, R. Position of transportation within the framework of handwork and draft power requirements of socialist farms. (Ge) Z. f. Agrarikon. 7(4):121-126. 1964. 281.8 Z3
- 97661 JANNAUD, G. Labor and cost of production at the agricultural area n° 15, Alaotra Lake district-Madagascar. (Fr) Mach. Agr. Trop. 5: 43-52. Jan./Mar.1964. 58.8 M186  
English summary.
- 97662 JONKHANS-STEENBERGEN, G. G. Function of farm women on the farm. (Du) Doelmatige Veehouderij 12(6):115-119. Dec.1963. 49 D67
- 97663 KASSIER, W. E. A labour budgeting technique with special reference to conditions in Natal. Agrekon 3(2):25-30. Apr.1964. 281.8 Ag835
- 97664 KRUSZE, N. Working day length of vegetable crop growers. (Pol) B. Warzywniczy 6:25-33. 1961/62. 80 B54  
English summary.
- 97665 LANDAAL, A. J. The financing of the contract firm. (Du) Loonbedrijf in Land- en Tuinbouw 17(6):413,415,417. June 1964. 283.8 L87
- 97666 LE BIHAN, J. Notes on seasonal migration of labor in the Province of Brittany. (Fr) Econ. Rur. 57:41-60. Ref. July/Sept.1963. 281.9 So15
- 97667 MCARTHUR, A. T. G. Bossmanship. Canterbury Chamber Com. Agr. B. 413,4 p. Dec.1963/Jan.1964. 23 C162  
Labor management.
- 97668 MCININCH, N. Bold action to bolster bracero losses. West. Fruit Grower 18(5):33-34. May 1964. 95.8 G762
- 97669 MAGANO, O. B. The labor law and the economic integration of Latin America. (Por) Rural 44(513):32; (514):14. Jan.-Feb.1964. 9.2 B733
- 97670 MARKOV, A. Labor effecting tobacco culture and its remuneration in the tobacco district of Plovdiv. (Bu) Plovdiv. Nauchnoizsled. Inst. po Tyutyuna. Izv. 4:45-79. Ref. 1963. 69.9 P72  
French summary.
- 97671 NIEUWENHUIJSE, L. Contract work as a form of cooperation. (Du) Loonbedrijf in Land- en Tuinbouw 17(6):453,455. June 1964. 283.8 L87
- 97672 PETERSEN, J. H. Labor investigation in pigpens. (Da) Sammenslutningen 16(12):449-454. Dec.1963. 11 Sa46
- 97673 PETERSEN, J. H. Labor investigations on dairy barns. (Da) Sammenslutningen 16(12): 442-444,446-448. Dec.1963. 11 Sa46
- 97674 PETERSEN, J. H. Time studies in nurseries and their use. (Da) Sammenslutningen 16(12): 455-458. Dec.1963. 11 Sa46
- 97675 PETOHAZI, G. Awards of premiums to technical and administrative employees of state farms and to workers of production directorates: Hungary. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 231:1-7. Mar.4,1964. 173 J663Ste  
Translation from Mezogasdazagi Ertesito 15 (4):54-56. Jan.22,1964.
- 97676 PETROV, R., and KHUBENOV, S. Main problems of organization and economy of tobacco plant production. (Bu) Plovdiv. Nauchnoizsled. Inst. po Tyutyuna. Izv. 4:81-108. Ref. 1963. 69.9 P72  
German summary.  
Chiefly on labor work management.
- 97677 POPOVICI, V. V., and VICTOR, C. The additional remuneration of field teams collectivists. (Rum) Prob. Econ. [Bucharest] 17(5):32-45. May 1964. 280.8 P947
- 97678 SALA-ESCOLIES, E. The rural crisis in the general assembly of the Hermandad Nacional de Labradores. (Sp) Inst. Agr. Catalan de San Isidro. Rev. 113(4):74-75. Apr.1964. 15 Sa5
- 97679 SCHREMMER, H., and FUNK, W. The organization of swine raising on large production units with regard to continuous industrial type production. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 4(12):534-538. Dec.1963. 18 W763  
With particular reference to labor management.
- 97680 SHONTZ, D. F. An experiment in teaching agricultural occupations information to high school students. Diss. Abs. 24(12,pt.1):5256. June 1964. 241.8 M58  
In association with land use and conservation.
- 97681 STATISTICAL OFF. OF THE EUROPEAN COMMUNITIES. Erwerbstätigkeit [Employment], 1962-1963. Luxembourg, 1964. 129 p.,map. 280.9 St25S  
Text also in French, Italian, and Dutch.  
Agriculture included.
- 97682 STOTSKII, V. N. Material stimulus as an important condition for the intensification of cotton production. (Rus) Khlopkovodstvo 4:3-7. Apr.1964. 72.8 K522  
Wages and prices.
- 97683 TAUBER, J., and HORAKOVA, E. A sociological study of Czechoslovak brigades of socialist labour in agriculture. Sociol. Rur. 4(2):146-166. 1964. 281.29 So12
- 97684 TAYLOR, L., and GLASGOW, C. W. Occupations and low-income rural people; a Southern Regional Study. South. Coop. Ser. B. 90,40 p., map. Ref. Dec.1963. 100 G29So  
Agricultural Experiment Stations of Alabama, Florida, North Carolina, Kentucky, Louisiana, Mississippi, Tennessee, and Texas; and U. S. Dept. of Agriculture, cooperating.



- 97685 TYUPKO, V. A. Experiment with the work of mechanized field units. (Rus) Khlopkovodstvo 4:18-20. Apr.1964. 72.8 K522  
Wages and yields in cotton production.
- 97686 VINATORU, M., and others. Contributions to the study of the influence of the labour productivity on the working expenses in some state farms from Banat. (Rum) Bucharest. Inst. Agron. Timisoara. Lucrari Sti. 6:11-22. 1963. 106.4 T48  
M. Teaciuc, A. Heghes, C. Neumann, C. Bra-descu, and L. Zahiu, joint authors.  
English summary.
- 97687 WAARD, R. VAN. Contracting and delivering. (Du) Landbk. Tijdschr. 76(11):414-421. June 1964. 105.2 Or3
- 97688 WILHELM, W. Four years' results in the socialist work society "Handarbeitsparende Rubenpflege." (Ge) Wis.-Tech. Fortschr. f. die Landwirt. 5(4):150-153. Apr.1964. 18 W763
- 97689 YAMAMOTO, K. The economic nature of labor in raising poultry on the farm. (Ja) Japan Poultry J. 49(1):100-103. Jan.1964. 47.8 J27
- AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS**
- 97690 AGARWAL, R. D. Community development has it failed? Kurukshetra 12(5):4-5. Feb.1964. 281.28 K96
- 97691 ATZENI, S. The most compelling problems of our agriculture. (It) Agricoltura 13(3):25-30. Mar.1964. 16 Ag8226
- 97692 BLAAUW, W. P. M. The European agricultural policy. (Du) Nederland. Zuivelbond. Off. Orgaan 56(13):285-287. Mar.25,1964. 44.9 AL3
- 97693 BONADONNA, T. Agricultural economy and animal industry in the Sudan. (It) Allevatore 20(1):7; (2):6. Jan.5-12,1964. 49 AL55
- 97694 BONADONNA, T. Agriculture and animal industry in Somalia. (It) Allevatore 20(8):6. (Concl.) Feb.23,1964. 49 AL55
- 97695 BONADONNA, T. Agriculture and livestock raising in Somali Republic. (It) Allevatore 20(6):7. (Cont.) Feb.9,1964. 49 AL55  
Situation and outlook.
- 97696 BONADONNA, T. Animal industry and agriculture in present day Egypt. (It) Allevatore 20(3):7. Jan.19,1964. 49 AL55
- 97697 BREIMYER, H. F. The emerging structure of U. S. agriculture: traditional or industrial? Ill. Agr. Econ. 4(2):1-6. July 1964. 281.9 IL6I
- 97698 BRENDL, O. The agriculture of the Cameroon Federal Republic in past and present. I. (Ge) Bodenkultur 15(1):83-103. Mar.1964. 19 B635  
Literature review.
- 97699 BRETH, F. E. Why they do not produce. (It) Riv. di Polit. Agr. 11(2):49-63. Ref. June 1964. 281.8 R523  
U.S.S.R.
- 97700 BUDDEMEIER, W. D. Our stake in aiding foreign agriculture. Better Farming Methods 36(2):10-13. Feb.1964. 58.8 B46
- 97701 BYSZEWSKI, W. Notes from journey through the German Democratic Republic. (Pol) Nowe Roln. 12(20):17-20. Oct.16/31,1963. 20.5 N86  
On German agriculture.
- 97702 CAMEROONS DEVELOPMENT CORPORATION. Annual report and accounts, 1962. Bota Victoria, 1963. 39 p.,map. 280.9 C144  
Contains a section on agriculture.
- 97703 CAMILLERI LAPEYRE, A. The contribution of Spanish agriculture to the nutrition of the country and its exports. Armed Forces International Nutr. Conf. [Proc.], 5th Conf.:271-280. 1962, pub.1963. 173.3 In89A
- 97704 CANADA. DEPT. OF AGRICULTURE. ARDA [Agricultural Rehabilitation and Development Act]. Canada. Dept. Agr. P. 1128,8 p. Dec. 1963. 7 C16Pu
- 97705 CANADA. DEPT. OF MINES AND TECHNICAL SURVEYS, GEOGRAPHICAL BR. Selected bibliography of Canadian geography. Canada. Dept. Mines & Tech. Surveys. Geog. Br. Bibliog. Ser. 29,82 p. 1964. 242.2 C1622  
Text also in French.  
Includes references on agriculture.
- 97706 CASONATO, G. Agriculture and neocapitalism. (It) Riv. di Polit. Agr. 11(2):27-36. June 1964. 281.8 R523  
Discussion of an article by G. E. Mingay: The American Agricultural Dilemma.
- 97707 CEYLON. DEPT. OF AGRARIAN SERV. Administration report 1962-63. Colombo, 1964. 74 p. 22 C336  
Text also in Sinhalese.
- 97708 CHRISTENSEN, R. P., and YEE, H. T. The mechanics of agricultural productivity and economic growth. Agr. Econ. Res. 16(3):65-71. July 1964. 1 Ec7Agr  
Output, input, national income growth.
- 97709 CINIC, C. The development of agricultural production during the 6 years elapsed from the completion of collectivization on the Dobrodja Region. (Rum) Prob. Agr. [Bucharest] 15(12):7-12. Dec.1963. 21 R862
- 97710 COPPOCK, J. T. Postwar studies in the geography of British agriculture. Geog. Rev. 54(3):409-426. Ref. July 1964. 500 Am35G
- 97711 DOERR, R. For every visible advance; agriculture needs not to be ashamed of its production. (Ge) Agros [Hannover] 3:19-21. Mar. 1964. 18 Ag83  
Production statistics.
- 97712 DYKA, S. On reserves in agricultural production. (Pol) Nowe Roln. 13(2):25-26. Jan.16/31, 1964. 20.5 N86  
Discussion of an article by W. Herer.
- 97713 EVANS, O. R. An introduction to Canadian agriculture. World Ploughing Contest. Off. Handb. 11:91-93,95,97,99,101,103,105,115-117, 119,121,123,125. 1963. 53.9 W892
- 97714 FERRARI-AGGRADI, M. A debate to be continued. (It) Agricoltura 13(3):23-24. Mar. 1964. 16 Ag8226  
Opening statement at a conference of the directors of the Ministero dell'Agricoltura.
- 97715 FERRINHO, H. Consideration on agriculture in the Republic of South Africa. (Por) Gaz. do Agr. 16(177):34-41. (Cont.) Feb.1964. 24 G25
- 97716 FORSCHUNGSGESELLSCHAFT FUR AGRAR-POLITIK UND AGRARSOZIOLOGIE. Tätigkeitsbericht [Report of activities], 1963. Bonn, 1964. 31 p. 281.9 F77
- 97717 FREEMAN, O. L. Speech delivered at National Farm Institute, February 14 and 15, 1963 at Des Moines, Iowa. Natl. Farm Inst. [Proc.] 13,6 p. 1963. 4 N219  
Policies and programs.
- 97718 GAT, Z. Helping developing countries. Agr. Israel 9(8):49. May 1964. 22.5 Ag825  
Technical assistance.
- 97719 GHOSAL, S. N. Indian agriculture; need for a forward push. Kurukshetra 12(5):11-13. Feb. 1964. 281.28 K96
- 97720 GRIBAUDI, D. The geographic vision of the rural world. (It) Agricoltura 13(6):39-51. Ref. June 1964. 16 Ag8226
- 97721 GRYSIAK, J. Community plan and the economic program. (Pol) Nowe Roln. 12(20):11-13. Oct.16/31,1963. 20.5 N86
- 97722 HAAN, J. H. DE. Agriculture and welfare. (Du) Landbk. Tijdschr. 76(11):429-432. June 1964. 105.2 Or3  
Productivity to improve food supply in India.
- 97723 HAVELOCK, SIR W. Agriculture on the Kenya Coast. (Fr) Soc. d'Etudes et d'Expansion. Rev. 210:217-224. Mar./Apr.1964. 280.8 So17
- 97724 HERCZEGH M. Living pictures from Vietnam. (Hu) Elovilag 8(5):16-21. Sept./Oct.1963. 410 EL6  
Agriculture.

- 97725 HINDERINK, J. The Sierra de Gata, a geographical study of a rural mountain area in Spain. Utrecht. R. U. Geog. Inst. P. A21,227 p., map. Ref. 1963. 331.9 U17
- 97726 IOANES, R. A. Recent Common Market developments and U.S. agriculture. Natl. Farm Inst. [Proc.] 6,14 p. 1963. 4 N219
- 97727 IONESCU, N. Achievements obtained in the field of agriculture in 1963 and tasks for 1964. (Rum) Prob. Agr. [Bucharest] 16(1):4-9. Jan. 1964. 21 R862
- 97728 IWEMA, S. A visit to other farmers. (Du) Doelmatige Veehouderij 12(6):108-110. Dec. 1963. 49 D67  
Agriculture in Iran.
- 97729 JOHNSON, P. Mexico: progress report from a nation on the move. Co-op Grain Q. 22(1):58-65. Spring 1964. 280.28 C7898  
Agriculture.
- 97730 JURKOVIC, M. Slovak agricultural bibliography—early efforts and outlook for the future. (Cz) Agrikultura 2:295-302. Ref. 1963. 19.5 Ag8  
German summary.
- 97731 KIRBY, J. E., and TIMM, T. R. The Common Market and Texas Agriculture. Milk Prod. [Houston] 29(6):30. June 1964. 44.8 M5993
- 97732 KRAFT, J., and BERNSDORFF, M. Struktur und Entwicklungsmöglichkeiten des Landkreises Sudtöndern [Structure and developmental possibilities of the provincial district of Sudtöndern]. Agrarsoz. Gesell. Matersamml. 28,68 p., map. 1963. 281.9 Ag862M
- 97733 KURANARI, M. The establishment of vision for Japanese agriculture. (Ja) Kajitsu Nippon 19(3):13-14. Mar. 1964. 80 K122
- 97734 LEOPOLD, R. 40 years of agricultural promotion. (Ge) Forderungsdienst 12(3):73-86. Mar. 1964. 19 F75  
Austria.
- 97735 LIAO-NING SHENG CH'IN-LING HSIEN SHIH LA CHI HSIU LI CH'ANG. How can we turn our deficit into a surplus. (Ch) Chung Kuo Nung Pao 9:37-38. Sept. 1963. 22.5 C473  
Agricultural situation and outlook.
- 97736 LIGUORI, A. Marchigiana agriculture. (It) Gior. di Agr. 74(24):241-242. June 14, 1964. 16 It1G
- 97737 LINDBERG, P. G. Agriculture in Germany and the United States. (Sw) Lantbrukstjänstemannen 46(1):14-16. Jan. 1964. 11 L295
- 97738 LIPINSKY, E. E. Legislative promotion and limiting of concentration in the French agriculture. (Ge) Tierzuchter 15(24):880-881. Dec. 20, 1963. 49 T445
- 97739 LUBKOWSKI, Z. Remarks on English agriculture. (Pol) Nowe Roln. 13(3):40. Feb. 1/15, 1964. 20.5 N86
- 97740 LYCHE, J. Agriculture in Ostfold. (No) Norsk Pelsdyrbll. 38(11):293-295. June 5, 1964. 412.628 N812
- 97741 MAY, M. U. Agricultural success story should be told. Feed Bag 40(5):41-42. May 1964. 389.78 F32
- 97742 MAZUR, Z. Agriculture on rolling loess areas of Lublin province. (Pol) Warsaw. Inst. Melior. i Uzytkow Zielonych. Wiad. 3(4):45-58. Ref. 1963. 54.9 W262W
- 97743 MEHTA, B. Thoughts on community development. Kurukshetra 12(5):2-3. Feb. 1964. 281.28 K96
- 97744 MEXICO 1963: facts, figures, trends. Mexico, Banco Nacional de Comercio Exterior, 1963. 354 p., map. 280.8 M575  
Agriculture and trade included.
- 97745 MONTANER ESTEVE, J. Development plan. (Sp) Cult. Mod. 46(10):370. Oct. 1963. 15 C89
- 97746 MONTANER ESTEVE, J. The plan of development in the agricultural sector. I-II. (Sp) Cult. Mod. 47(4):124-125; (5):165-166. Apr.-May 1964. 15 C89
- 97747 MOODY, J. P. Volunteers who live and work with people struggling out of poverty. Freedom Hunger Campaign News 5(3):20-23. Mar./Apr. 1964. 389.8 F872  
Work of the U.S. Peace Corps, including agricultural activities.
- 97748 MOURIER, E. The agricultural situation. (Da) Tolvmandsbladet 36(7):303-311. July 1964. 11 T58
- 97749 MULGRUE, G. E. A tale of two countries and the young people who are making green fields out of the desert. Freedom Hunger Campaign News 5(30):6-9. Mar./Apr. 1964. 389.8 F872  
Youth programs in the United Arab Republic and Jordan.
- 97750 NATIONAL FARM INSTITUTE, DES MOINES, IOWA, 1963. [Papers]. Des Moines, Greater Des Moines Chamber Com., 1963. 13 papers. 4 N219
- 97751 NATTL, B. Agriculture of the Friuli-Venezia Giulia Region. (It) Agr. delle Venezie 18(4):235-258, map. Apr. 1964. 16 Ag826
- 97752 NICA, S., and JIANU, E. Problems and results of the intensification of agricultural production in the R.P.R. (Rum) Prob. Agr. [Bucharest] 15(12):13-24. Dec. 1963. 21 R862  
English summary.
- 97753 NOUYRIT, H. Problems of German agriculture and the future of the Common Market. (Fr) Econ. Devlpmt. & Cult; Change 20(921):12-14. July 3, 1964. 280.8 Ec726
- 97754 NOVE, A. Soviet Russia today. II. Agriculture. Roy. Soc. Arts. J. 112(5094):408-424. May 1964. 501 L847J  
Includes discussion.
- 97755 PAPANICOLAOU, E. E. Cooperation internationale et developpement economique [International cooperation and economic development]. Geneve, Droz, 1963. 356 p. Ref. 280 P194  
Includes agricultural policies in the European Community.
- 97756 PIENIAZEK, S. A. Horticulture—present situation and projected development: Poland. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 230:9-14. Feb. 29, 1964. 173 J663Ste  
Translation from Nowe Rolnictwo 1:39-41. Jan. 1964.
- 97757 PIOTROWSKA-HOCHFELD, K. Problems of Italian agriculture. (Pol) Zagadnienia Ekon. Roln. 5:107-117. 1963. 281.8 Z14
- 97758 PIZUTTI, Agriculture and fruit industry in the Common Market. (Fr) Agro-Serv. 2:52. Mar./Apr. 1964. 385 Ag86
- 97759 QUIROZ RIVAS, J. Planning in Israel. (Sp) Agronomia [Lima] 30(2):25-33. 1963. 9.8 Ag83
- 97760 RICHARD, A. How is agriculture developing "over there." (Ge) Agros [Hannover] 2:20-21. Feb. 1964. 18 Ag83  
Production in East Germany and the Federal Republic.
- 97761 ROBERT, J., and others. The 44th inter-university geographic excursion to Poitou and Charentes, May 8-13, 1961. (Fr) Ann. de Geog. 72(393):529-571, map. (Cont.) Sept./Oct. 1963. 473 An75  
P. Fenelon, A. Bouhier, and F. Verger, joint authors.  
Includes data on agriculture.
- 97762 ROBERT, J., and others. The 44th inter-university geographic excursion to Poitou and Charentes, May 8-13, 1961. (Fr) Ann. de Geog. 72(394):641-674, map. (Concl.) Nov./Dec. 1963. 473 An75  
P. Fenelon, A. Bouhier, and F. Verger, joint authors.  
Includes data on agriculture.
- 97763 ROCASOLANO, C. The C.E.A. and agricultural policy. (Sp) Cult. Mod. 46(11):410-411. Nov. 1963. 15 C89



- 97764 SALA ESCOLIES, E. A plan of investments for Spanish agriculture. (Sp) Inst. Agr. Catalan de San Isidro. Rev. 112(12):181-183. Dec.1963. 15 Sa5
- 97765 SCHALL, S. Development possibilities of agriculture in the secondary mountains of eastern Bavaria. (Ge) Forschgesell. f. Agrarpolit. u. Agrarsoziol. [Einzelber.] 147:37-46. Ref. Dec.1963. 281.9 F77E
- 97766 SCHIECK, H. Tasks of the 8th German Farmer Congress for carrying out the economic laws of socialism in agriculture. (Ge) Z. f. Agrar-ekon. 7(4):98-102. 1964. 281.8 Z3
- 97767 SCHNEIDER, M. Problems of promoting development with attention to the tasks and chances of Austria. (Ge) Bodenkult. Ausg. B, Agrar-wirt. Teil 14(2):118-136. Ref. Jan.1964. 281.8 B632  
Technical, commercial, and investment help to developing countries.
- 97768 SCHRAN, P. Rural income policy and the great leap forward. Asian Survey 4(7):958-968. Ref. July 1964. 280.8 As42  
China.
- 97769 SCHULTZ, T. W. Investing in farm people. Natl. Farm Inst. [Proc.] 10,11 p. 1963. 4 N219  
Government aid.
- 97770 SCHWARZ, W. Leading ideas of German agricultural policy. (Ge) Agros [Hannover] 3:4. Mar.1964. 18 Ag83
- 97771 SENFFT, H. J. VON. Function and importance of agriculture in technical-chemical age. (Ge) Lebendige Erde 5:214-218. Sept./Oct.1963. 18 L49
- 97772 SHEN, T. H. T'ai-wan nung yeh chih fa chan [Agricultural development in Taiwan]. Taipei, 1963. 381 p. 34.1 Sh4
- 97773 SIMON, C. Planning in the U.S.S.R. and in Eastern Europe: difficulties of the 1980 plans. (Fr) France. Inst. Natl. de la Statis. et des Etudes Econ. Etudes et Conjoncture 19(4):48-64. Apr.1964. 280.8 F84  
Includes agricultural production.
- 97774 SOMMERFELD, K. Professional books help solve the problems of the 8th German Farmer Congress. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(4):189. Apr.1964. 18 W763  
A descriptive list of publications.
- 97775 SPAIN. INSTITUTO NACIONAL DE INVESTIGACIONES AGRONOMICAS. Conferencias [Addresses]. Madrid, 1964. 183 p.,map. 15 Sp18C
- 97776 SPAIN. MINISTERIO DE AGRICULTURA. SERV. DE ESTADISTICA. Estructura de las explotaciones del Plan Badajoz [Structure of projects of the Badajoz Plan]. 1960-61. Madrid, 1963. 72 p.,map. 263 Ag85Es
- 97777 STALLINGA, P. New Zealand and its agriculture. (Du) Nederland, Zuivelbond. Off. Orgaan 56(13):296-297. (Concl) Mar.25,1964. 44.9 AL3
- 97778 STATE BANK OF PAKISTAN. DEPT. OF RESEARCH. Report on currency and finance 1962-63. Karachi, 1963. 223 p. 280.9 St24R  
Contains a chapter on food and agriculture.
- 97779 TA KUNG PAO SHE. Jen Min Shou Ts'e 1963 [Peoples handbook, 1963]. Peiping, 1963. 436 p. 225 J41  
Includes agricultural policies and programs.
- 97780 TAYLOR, R. W. Analysis of Federal farm programs for central Indiana. Diss. Abs. 24 (12,pt.1):5045. June 1964. 241.8 M58
- 97781 TRONCO, G. Impressions of Israeli agriculture. (It) B. dell'Agr. 98(2):1-4. Jan.24,1964. 16 B87
- 97782 TSUJI, M. Improving the farmers livelihood and agricultural modernization. (Ja) Keiyu 12: 50-54. Dec.1963. 47.8 K26
- 97783 UNION DES ASSOCIATION INTERNATIONALES. Bibliography of proceedings of international meetings, 1957. Brussels, 1963. 388 p. (Its Publication No.183) 240.9 Un38  
Agricultural meetings included.
- 97784 U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Changes in farm production and efficiency; a summary report, 1964. U. S. D. A. Statis. B. 233,rev.,50 p.,map. July 1964. 1 Ag84St  
Statistics.
- 97785 U. S. FAO INTERAGENCY COMMITTEE. Report to the Food and Agriculture Organization of the United Nations 1961-63. Washington, 1964. 95 p. 389.9 F7354  
Issued through facilities of the U. S. Department of Agriculture.
- 97786 VALDES ORNELAS, O. Present situation in Mexico in agriculture, livestock, and forestry. (Sp) Mex. Agr. 10(118):32-33. Dec.1963. 8 M5762
- 97787 VON CLEMM, M. Agricultural productivity and sentiment on Kilimanjaro. Econ. Bot. 18 (2):99-121,map. Apr./June 1964. 450 Ec7
- 97788 VRIENS, A. N. J. The agricultural dilemma. (Du) Econ.-Statis. Ber. 49(2447):606-608. July 8,1964. 280.8 Ec722
- 97789 WALDEGRAVE, E. Agriculture in a changing world from the British point of view. Natl. Farm Inst. [Proc.] 11,12 p. 1963. 4 N219
- 97790 WALLACE, D. B. British agricultural policy. London Cambridge Econ. Bull. 50:xiii-xvii. In Times Rev. Indus. & Technol. 2(6). June 1964. 286.8 T483
- 97791 WATSON, J. A. The farming year. Rev. ed. London, Logmans, 1963. 90 p. (Rural Education) 32 W33F  
Agriculture in Great Britain.
- 97792 WIELBURSKI, R. Observations concerning structural changes in agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 227:1-20. Feb.24,1964. 173 J663Ste  
Translation from Postepy Nauk Rolniczych 10(4):3-20. July/Aug.1963.

## Subsidies

- 97793 AUSTRALIA. FRUIT INDUSTRY SUGAR CONCESSION COMMITTEE. Thirty-second annual report for the year ended 31st August, 1963. Canberra, 1964. 21 p. 284.3659 Au7  
Includes the situation in the fruit industry.
- 97794 MATTSSON, B. Government aid to cooperative milking barns. (Sw) Lantmannen 75(7):181. Feb.15,1964. 11 L234  
Regulations.

## COST AND STANDARD OF LIVING

- 97795 LIGGETT, E. P. Summary of family living expenses of eighty-six Washington families. Wash. State U. Agr. Ext. Ext. Mimeo. 2259,rev., 9 p.,map. May 1964. 275.29 W27Mi

## FARM MANAGEMENT AND LAND ECONOMICS

- 97796 ADKINS, K. Can the grower afford expansion? Broiler Business 14(12):24,26. Dec.1963. 47.8 B782
- 97797 ANDERSON, W. J. Bureau of Land Management today--and a look toward tomorrow. N. Mex. Stockman 29(6):16-17. June 1964. 49 N462
- 97798 ANDERSSON, K. O. Make better use of farm records. (Sw) Lantmannen 75(5):122-124. Feb.1,1964. 11 L234  
Chiefly in connection with management.
- 97799 ANDERSSON, K. O. Working with graphs--an interesting hobby. (Sw) Lantmannen 75(6):147-149. Feb.8,1964. 11 L234  
Use of farm records in management.
- 97800 THE ANNUAL report as a treasure chest. (Ge) Grune 92(27):837-855. July 3,1964. 17 Sch9  
Report of the farm of the Ebenrain Landwirtschaftliche Schule.

- 97801 APTE, D. P. Use of available data for preparing farm plans—a note. Indian Soc. Agr. Econ. Seminar Ser. 4:168-172. Mar.1964. 281.9 In24S
- 97802 BAICHLY, P. Financing corporate egg farms. Agr. Banking & Finance 6(2):30-32. Mar./Apr. 1964. 284.8 B22  
Management.
- 97803 BAKER, H. K., and HOPE, R. Grassland recording for dairy farms—a guide to profitability. Farmers' Club. J., Mar.1964:30-46. 10 L84  
Includes discussion.
- 97804 BAROZZI, L. Aspects of Danish agriculture: the family farm. (It) Riv. di Polit. Agr. 11(2): 65-71. June 1964. 281.8 R523
- 97805 BERNACKI, A., and SZKILLADZ, J. Integration of state farms and the settlement of their internal accounts. (Pol) Nowe Roln. 13(2):12-14. Jan.16/31,1964. 20.5 N86
- 97806 BIRD, R., and MCNABB, C. G. Who shares in the tourist trade; importance of the tourist trade. Mo. Agr. Col. Ext. C. 792,8 p.,map. June 1963. 275.29 M69C
- 97807 BOCCHIO, F. Valtellina mountain pastures, their abandonment and development. (It) Sondrio. Cam. di Com. Indus. e Agr. Valtellina e Val Chiavenna 17(6):3-21, map. June 1964. 287 So5  
Improvement of dairy farming conditions in the area, with costs and returns.
- 97808 BOHLEN, J. M., and BEAL, G. M. Family farm still basic to agriculture. Agr. Banking & Finance 6(2):40-41. Mar./Apr.1964. 284.8 B22
- 97809 BONToux, J. Family livestock raising: a necessity. (Fr) Ivory Coast. Min. de l'Agr. B. de Liaison 22:36-42. Nov./Dec.1963. 24 Iv72  
Farm management on the Ivory Coast.
- 97810 BOSTWICK, D. Management strategies for variable wheat yields in Montana. Mont. Agr. Expt. Sta. B. 585,20 p. June 1964. 100 M76  
U. S. Department of Agriculture, cooperating. Includes costs and returns.
- 97811 CAIN, D. Refigure your feed grain program. alternatives. Doane's 27(5):28-31. Feb.8,1964. 281.8 D652
- 97812 CALLE E., R. Why do livestock farms that are set up on meadowlands occupy large extensions of range? (Sp) Vida Agr. [Lima] 41(482):31-32. Jan.1964. 9.8 V66  
Estimation of the carrying capacity for sheep.
- 97813 CARNCROSS, J. W., and SCHMITT, R. P. High production per cow is key to dairy farm profits. N. J. Agr. 46(3):15-16. May/June 1964. 275.28 N46
- 97814 CHUNG-KUNG SHAN-HSI SHENG, WAN-YING HSIEN, CHI NUNG TS'UN KUNG TSO PU. A study on the administration and management of livestock raising by production teams. (Ch) Chung Kuo Nung Pao 5:1-4. May 1963. 22.5 C473
- 97815 COWAN, W. A. Wherever you are, there are ways to cut production costs. Livestock Breeder J. 6(7):113,116,120-122,264-265. July 1963. 49 L758  
Beef cattle.
- 97816 CSEPINSZKY, A. Input-output analysis models applicable to economic regional units. II. (Hu) Statis. Szemle 42(8):619-644. Ref. June 1964. 266.5 St2M  
Includes agriculture.
- 97817 CUNNINGHAM, L. C. Commercial dairy farming; Oneida-Mohawk Region, New York, 1959-60. N. Y. (Cornell) Agr. Expt. Sta. B. 992,44 p.,map. Mar.1964. 100 N48C  
Management and costs.
- 97818 CUNNINGHAM, L. C. Interregional competition as viewed by operating firms and institutions. J. Farm Econ. 46(2):460-465. May 1964. 280.8 J822  
Primarily dairy farming.
- 97819 DESAI, D. K. Use of farm management data for preparation of simple farm budgets. Indian Soc. Agr. Econ. Seminar Ser. 4:142-167. Mar.1964. 281.9 In24S
- 97820 DROZDOV, L. N. Osnovy sel'skokhozyaistvennykh znani i prakticheskie raboty na uchastke [Principles of agriculture and practical work on plot]. Moskva, Gosudarstvennoe Uchebno-Pedagogicheskoe Izdatel'stvo Ministerstva Prosveshcheniya RSFSR, 1963. 275 p. 275.1 D83O
- 97821 DRYSDALE, A. D. Grassland dairy farming in Holland. So. West Scotland Grassland Soc. J. 1(1):25-26. Nov..i.e.Oct.1962. 60.9 So82
- 97822 DUDOROV, I., and ARISTOVA, I. Culture of green vegetables. (Rus) Kartofel' i Ovoshchi 5:24-25. May 1964. 75.8 K147  
Specialization and management.
- 97823 EBIZAWA, K. The new line for poultry raising farmers. (Ja) Japan Poultry J. 49(5):130-133. May 1964. 47.8 J27
- 97824 EBIZAWA, K. On management and a convenient scope for poultry raising on the farm. (Ja) Japan Poultry J. 49(2):134-137. Feb.1964. 47.8 J27  
Flock size for efficient care.
- 97825 ELY, R. T., and WEHRWEIN, G. S. Land economics. Madison, U. Wis. Press, 1964. 496 p. 282.E19L
- 97826 ENSMINGER, M. E. How management affects the cattle feeding business. (Excerpts.) Canad. Cattlemen 27(3):32-34,39-43. Mar.1964. 49 C16
- 97827 FANGAUF, R. Industrial agrarproduction in poultry farming? (Ge) Tierzuechter 16(2):43-44. Jan.20,1964. 49 T445
- 97828 FEDYUK, V. E. Measures to increase economics of lagging collective and state farms of Tadzhik SSR. (Rus) Khlopkovodstvo 5:1-4. May 1964. 72.8 K522
- 97829 FIELDING, G. J. Sheep farming in New Zealand: a review. New Zeal. Geog. 19(2):160-169. Ref. Oct.1963. 331.8 N48
- 97830 FUKUSHIMA, Y. Problems in raising poultry on a large scale. (Ja) Niwatori-no-Kenkyu 38 (11):145-149. Nov.1963. 47.8 N64
- 97831 GALBRAITH, J. K. The Scotch in Canada. III. A sufficient and changing loveliness. Harper's Mag. 229(1371):77-80. Aug.1964. 110 H23  
Seasons and chores on the farm.
- 97832 GALIZZI, G. Part-time farming. (It) Milan. U. Cattolica del Sacro Cuore. Facol. di Agr. Ann. (n.s.)3(3):511-523. Dec.1963. 16 M582  
English summary.
- 97833 GALIZZI, G. The part-time farm. (It) Riv. di Polit. Agr. 11(2):5-17. Ref. June 1964. 281.8 R523
- 97834 GOTO, E. The significance of economic examination. (Ja) Niwatori-no-Kenkyu 39(2):104-108. Feb.1964. 47.8 N64  
Basis for costs and returns of poultry.
- 97835 GRAHAM, J. V. Fertilizer levels, stocking rates and farm output report on a Taranaki survey. Massey Agr. Col. Dairyfarming Annu. 1963:167-177. 44.9 M382  
Management.  
Includes discussion.
- 97836 HAGIYAMA, H. Problems in raising broilers. (Ja) Keiyu 11:142-146. Nov.1963. 47.8 K26  
Management.
- 97837 HAIN, W. Remarks on the definition of plantations (using West Africa as an example). (Ge) Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed. 1(1):123-128. Ref. 1963. 26 L53
- 97838 HAMILTON, F. An example of integration of cereal and animal production in the Northern Wheat Belt. Farmers' & Sci. Joint Conf. Cereals & Wool, 5th Conf.:56-58. 1963. 27 F22C  
Includes discussion.
- 97839 HASHINAGA, M. The conditions which lead from a small flock of poultry to a large flock. (Ja) Japan Poultry J. 49(4):86-88,93-96. Apr. 1964. 47.8 J27



- 97840 HERTSGAARD, T. A. Optimum patterns of production and distribution of livestock and poultry products. Upper Midwest Res. & Devlpmt. Council. Upper Midwest Econ. Study. Tech. Paper 10,31 p.,map. May 1964. 280.9 Up6Up  
Linear programming for determination of optimum production locations.
- 97841 HIKOSAKA, S. The scope of raising poultry for eggs and its management. (Ja) Keiyu 11:22-27. Nov.1963. 47.8 K26
- 97842 HIKOSAKA, S. Various types of poultry raising operations and comprehensive poultry raising. (Ja) Keiyu 2:158-163; 3:156-161; 4:44-50; 5:62-67. Feb.-May 1964. 47.8 K26
- 97843 HIROSE, S. Poultry raising management during the rainy season. (Ja) Niwatori-no-Kenkyu 38(6):52-56. June 1963. 47.8 N64
- 97844 HIROSE, S. Poultry raising management in summer. (Ja) Niwatori-no-Kenkyu 38(7):44-49. July 1963. 47.8 N64
- 97845 HUSAIN, S. M. A. Some reflections on the prospects for making farm planning an effective tool of agriculture extension. Indian Soc. Agr. Econ. Seminar Ser. 4:112-124. Mar.1964. 281.9 In24S
- 97846 INDIAN SOCIETY OF AGRICULTURAL ECONOMICS. Seminar-cum-workshop on problems of farm production planning and programming. Indian Soc. Agr. Econ. Seminar Ser. 4,276 p. Mar.1964. 281.9 In24S
- 97847 ISAGAWA, Y. Management in the poultry raising industry. (Ja) Niwatori-no-Kenkyu 39(2):120-128. Feb.1964. 47.8 N64
- 97848 ISAGAWA, Y. Pointers and diagnosis of poultry raising operations. (Ja) Niwatori-no-Kenkyu 39(4):140-147. Apr.1964. 47.8 N64
- 97849 ISAGAWA, Y. Poultry raising management and some problems involved. 1. (Ja) Keiyu 11:44-51. Nov.1963. 47.8 K26
- 97850 ISAGAWA, Y. Poultry raising management and some problems involved. 2. (Ja) Keiyu 12:28-34,39. Dec.1963. 47.8 K26
- 97851 ISAGAWA, Y. Poultry raising operations; some problems. 4-8. (Ja) Keiyu 2:132-139; 3:142-146,151-155; 4:52-54,59-64. Feb.-Apr.1964. 47.8 K26
- 97852 JACOBS, F. Cattlemen in Kiwi Country; a report of New Zealand. Canad. Cattlemen 27(2):8-9. Feb.1964. 49 C16  
General farming.
- 97853 JOHNSON, M. L. Family decisions. Mo. Agr. Col. Ext. C. 797,4 p. Jan.1964. 275.29 M69C
- 97854 KAHN, A. S. Analysis of farm planning structure in Ludhiana I.A.D.P. district. Indian Soc. Agr. Econ. Seminar Ser. 4:237-249. Mar. 1964. 281.9 In24S
- 97855 KALDOR, D. R. Rising farming efficiency. Natl. Farm Inst. [Proc.] 7,20 p. 1963. 4 N219
- 97856 KANAHARA, K. Economical flock size. (Ja) Keiyu 11:52-54,59-60. Nov.1963. 47.8 K26
- 97857 KANDA, S. The cooperative operation of a cooperatively built greenhouse. (Ja) Noko-to-Engei 18(5):111-113. May 1963. 22.5 N693  
For ornamental plants.
- 97858 KENNERLY, A. B. Five ways rice farmers can improve their economic position. Rice J. 67(5):10,12,14. May 1964. 59.8 R36  
Management.
- 97859 KEUNE, O. Fluid milk price—structure of milk production. (Ge) Molk.- u. Kaserei-Ztg. 14(51/52):1735. Dec.18,1963. 44.8 M736  
Dairy farms.
- 97860 KHUSRO, A. M. An approach to farm planning among small farmers. Indian Soc. Agr. Econ. Seminar Ser. 4:105-111. Mar.1964. 281.9 In24S  
India.
- 97861 KINOSHITA, T. Some problems on farm management of large scale dairy farming in a suburban area. (Ja) Jap. J. Zootech. Sci. 34(6):368-374. Dec.1963. 49 N62
- 97862 KOMURA, K. This year's poultry raising management trends. (Ja) Japan Poultry J. 49(2):70-74. Feb.1964. 47.8 J27
- 97863 KOMURA, K. This year's poultry raising plan. (Ja) Japan Poultry J. 49(3):102-105. Mar.1964. 47.8 J27  
How to plan.
- 97864 KOPETZ, L. M. The animal-free economy in the light of plant culture. (Ge) Forderungsdienst 12(3):89-92. Mar.1964. 19 F75  
Management for field crop production in Austria.
- 97865 KOVACS, M. Profit sharing methods and their development in the Soviet kolkhoz and in the Hungarian farm cooperatives. (Hu) Szovjet Tapasztalatok a Magyar Mezogazdasagban 1:3-24. 1962? 19 Sz5
- 97866 KOZAWA, K. How to go about the new collectivization of poultry raising. (Ja) Niwatori-no-Kenkyu 39(1):94-100. Jan.1964. 47.8 N64
- 97867 KOZAWA, S. The solution and the practicality of raising a flock of one thousand chickens. (Ja) Japan Poultry J. 49(6):108-116. June 1964. 47.8 J27
- 97868 KUBOTA, M. Planned production in raising a large flock in cages. (Ja) Keiyu 5:194-199. May 1964. 47.8 K26
- 97869 KUBOTA, M. Reflections on the raising and management of poultry produced in Japan. (Ja) Keiyu 11:156-162. Nov.1963. 47.8 K26
- 97870 LEONE, G. The action of assistance centers in the South. (It) Bonifica Integrale 18(5):157-161. May 1964. 55.9 As72  
Technical assistance by the Cassa per il Mezzogiorno.
- 97871 LIDZHI, M. Spetsializatsiya na sel'skoston-skoto proizvodstvo v Rusenski i Varnenski okrug [Specialized farming of Ruse and Varna districts]. Sofiya, Izdatel'stvo na Bulgarskata Akademiya na Naukite, 1963. 156 p. 281.177 L612
- 97872 LIGUORI, A. Pasture—cattle—grain. (It) Allevatore 19(48):1-2. Dec.1,1963. 49 AL55  
Farm management.
- 97873 LUZ, F. Cooperative communities in Israel. (Por) Lavoura 66:20-21. July/Sept. 1963. 9.2 L39
- 97874 MCARTHUR, W. C., SAUNDERS, F. B., and FORTSON, J. C. Optimum organizations for general crop and crop-livestock farms, southwest Coastal Plain area, Georgia. Ga. Agr. Expt. Sta. B. (n.s.)118,29 p.,map. June 1964. 100 G293B  
U. S. Department of Agriculture, cooperating.
- 97875 MAGLIANO, A. How the cheese industry can be provided with raw material. (It) Mondo del Latte 18(5):409-410. May 1964. 44.8 M74  
Dairy farming in connection with the factory.
- 97876 MAKITA, T., and HOSHINO, E. Poultry raising operations of a flock of one thousand. (Ja) Keiyu 3:50-54,59-65. Mar.1964. 47.8 K26
- 97877 MANAGEMENT diagnosis of the new specialized agriculture. (Ja) Noko-to-Engei 18(6):42-48. June 1963. 22.5 N693  
Panel discussion; panel members: G. Miyazaka, K. Shiozawa, Y. Tanizawa, and K. Sasahara, joint authors.
- 97878 MARTIN, The Staatliche Versuchs-und Lehr-gut of Forchheim is a model farm. (Ge) Tier-zuchter 16(11):433-434. June 5,1964. 49 T445
- 97879 MATELJAK, D. Agricultural cooperatives in Yugoslavia. Kurukshetra 12(5):22-23. Feb. 1964. 281.28 K96
- 97880 MATSUDA, T. The management of broiler raising. 1. (Ja) Niwatori-no-Kenkyu 38(11):80-84. Nov.1963. 47.8 N64
- 97881 MEIER, W. We want to remain farmers! (Ge) Grune 92(22):681-683. May 29,1964. 17 Sch9  
Switzerland.
- 97882 METZLER, G. F. People are looking for a farm vacation. Ark. U. Agr. Ext. L. 362,6 p.-folder. May 1964. 275.29 Ar4Le

- 97883 MOTEKI, S. Things to watch for in the creation of an agricultural corporation. (Ja) Niwatori-no-Kenkyu 38(11):58-64. Nov.1963. 47.8 N64
- 97884 NAKAJIMA, S. The present condition and future trend of joint poultry raising. (Ja) Niwatori-no-Kenkyu 38(12):144-148. Dec.1963. 47.8 N64
- 97885 NIETO OSTOLAZA, M. DEL C. Group agriculture in relation to depressed agricultural regions. (Sp) Inst. Agr. Catalan de San Isidro. Rev. 12(11):161-165. (Concl.) Nov.1963. 15 Sa5  
Installment deals with French experience.
- 97886 NOCETTI, J. A., MACHAIN, F., and LUDUENA, P. Costos comparativos de tres alternativas para realizar labores culturales en predios de la zona de Pergamino [Comparative costs of three alternatives for cultural operations on estates of the Pergamino zone]. Pergamino. Estac. Expt. Agropecuaria. Informe Tec. 20, 32 p. Oct.1963. 102.5 P413
- 97887 NORTON, V. J. An analysis of the competitive position of Oregon hog producers. Diss. Abs. 24(12,pt.1):5043. June 1964. 241.8 M58  
Linear programming used.
- 97888 OJERT, R. Rasbacken—a demonstration farm of the county agricultural society of Ostergotland. (Sw) Vaxt-Narings-Nytt 20(3):12-15. 1964. 57.8 V47  
English summary, p.3-4 of supplement.
- 97889 OKABE, A. Various important problems in management. (Ja) Keiyu 2:178-184,191-194. Feb.1964. 47.8 K26
- 97890 OKUBO, M. The improvement of agricultural structure in solely rice producing area and the commercialization of poultry raising. (Ja) Japan Poultry J. 49(3):44-54. Mar.1964. 47.8 J27
- 97891 OKUBO, M. Success or failure in raising a flock of one thousand chickens. (Ja) Japan Poultry J. 49(2):124-127. Feb.1964. 47.8 J27  
Management.
- 97892 ONG, S. India's experience of farm planning and programming. Indian Soc. Agr. Econ. Seminar Ser. 4:83-94. Mar.1964. 281.9 In24S
- 97893 ONISHI, Y. On improved organization for laying hens. (Ja) Niwatori-no-Kenkyu 39(5):178-182. May 1964. 47.8 N64
- 97894 ONO, H. Improved structure of rural villages and raising a flock of one thousand chickens. (Ja) Keiyu 11:28-34. Nov.1963. 47.8 K26  
Cooperative poultry raising.
- 97895 ONTARIO, DEPT. OF AGRICULTURE. Suggestions to the purchasers of farms. Ontario. Dept. Agr. P. rev.,35,6 p. Oct.1963. 7 On8P  
Management.
- 97896 OSTERHOUDT, F. H., and CONKLIN, H. E. How much rent should you pay? Better Farming Methods 36(2):14-16. Feb.1964. 58.8 B46
- 97897 PANE, L. D. The planned funeral of share farming at the expense of the taxpayers. (It) Riv. di Polit. Agr. 11(2):37-48. June 1964. 281.8 R523
- 97898 PARTHASARATHY, G., and MALYA, M. M. Farm plan approach to increased production. Indian Soc. Agr. Econ. Seminar Ser. 4:134-141. Mar.1964. 281.9 In24S
- 97899 PATIL, T. Y. Farm budgets for five selected farms in Nasik district (Maharashtra State). Indian Soc. Agr. Econ. Seminar Ser. 4:173-190. Mar.1964. 281.9 In24S
- 97900 PEDERSEN, R. W. Possibilities of intensification on a clay-and-till dairy farm North Country Region, New York. N. Y. (Cornell) Agr. Expt. Sta. B. 991,35 p.,map. May 1964. 100 N48C  
Includes costs and returns.
- 97901 PETERSEN, E. D. Are bigger businesses always more efficient? Turkey World 38(9):22-23,26,28-29. Sept.1963. 47.38 T84
- 97902 PIEDRA, R. DE LA. Large production units and the domestic sugar industry. (Sp) Vida Agr. [Lima] 41(483):73,75-77,79-82. Feb.1964. 9.8 V66
- 97903 PIKULINSKI, A. The influence sphere of the Wieprz-Krzna canal in Lublin province, an evaluation of present productivity from one hectare, and an attempt to determine its increase through 1980. (Pol) Postepy Nauk Roln. 15(5):125-132. 1963. 20.5 P84
- 97904 RAM, K. V. S. Farm management problems in implementing farm planning. Indian Soc. Agr. Econ. Seminar Ser. 4:250-259. Mar.1964. 281.9 In24S
- 97905 RAMALINGAM, C. Farm planning experiments in Chhabaria Village (U.P.) Indian Soc. Agr. Econ. Seminar Ser. 4:191-203. Mar.1964. 281.9 In24S
- 97906 RATH, N. Some problems of farm planning in changing from monoculture to diversified irrigated farming. Indian Soc. Agr. Econ. Seminar Ser. 4:260-270. Mar.1964. 281.9 In24S
- 97907 RAYMALEY, F. A. A forage plan for every livestock farm. Cyanograms 11(2):28-31. Summer 1964. 381 Am392
- 97908 ROSSI, G. Directions of share farming. (It) Gior. di Agr. 74(22):223. May 31,1964. 16 It1G
- 97909 SAITO, T. A fool can teach a wise man. (Ja) Japan Poultry J. 49(2):38-44. Feb.1964. 47.8 J27  
Poultry management.
- 97910 SANDOVAL, P. R. Poultry farm resource-product relationships. Philippine Agr. 47(5):189-207. Oct.1963. 25 P542
- 97911 SAWAMURA, T. Basic economic and technical data needed for farm planning. Indian Soc. Agr. Econ. Seminar Ser. 4:125-133. Mar.1964. 281.9 In24S  
Japan.
- 97912 SAWAMURA, T. Problems of farm planning in Asian countries. Indian Soc. Agr. Econ. Seminar Ser. 4:95-101. Mar.1964. 281.9 In24S
- 97913 SAWAMURA, T. Some aspects in macro limitations of farm planning. Indian Soc. Agr. Econ. Seminar Ser. 4:102-104. Mar.1964. 281.9 In24S
- 97914 SCHMEDEMAN, I. W., and WOOTEN, A. B. Recreation, Texas' newest farm crop. Tex. Agr. Prog. 10(3):7-9. Summer 1964. 100 T31Te
- 97915 SCHUMM, H. R. Fundamental problems of industrial production methods in swine raising. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 4(12):529-534. Dec.1963. 18 W763
- 97916 SHARON, J. Feed and know-how build cattle feeding areas. Doane's 27(5):10-16. Feb.8, 1964. 281.8 D652
- 97917 SHASTRI, C. P. Production plans for farmers in Shahabad district in Bihar. Indian Soc. Agr. Econ. Seminar Ser. 4:204-222. Mar.1964. 281.9 In24S
- 97918 SINGH, H. Preparation of farm production plans for farmers. Indian Soc. Agr. Econ. Seminar Ser. 4:223-236. Mar.1964. 281.9 In24S  
India.
- 97919 SLOJEWSKI, R. Sources of difficulties in managing state farms in Szczecin province. (Pol) Nowe Roln. 13(2):9-11. Jan.16/31,1964. 20.5 N86
- 97920 SMITH, B. A. J. Fertilizer levels, stocking rates and farm output; data from Waimate West Demonstration Farm. Massey Agr. Col. Dairyfarming Annu. 1963:179-188. 44.9 M382  
Includes discussion.
- 97921 SNEYD, J. H. Cost factors in practical fat lamb production. Austral. Soc. Anim. Prod. Proc. 4:103-108. 1962. 49.9 Au72  
Management practice study in relation to costs in South Australia.
- 97922 STEWART, J. M. Some aspects of cereal and wool production. Farmers' & Sci. Joint Conf. Cereals & Wool, 5th Conf.:66-68. 1963. 27 F22C  
Management.  
Includes discussion.



- 97923 STOLAN, D. From the experience of Negru Voda District collective farms in agricultural plant production increase. (Rum) Prob. Econ. [Bucharest] 17(5):135-141. May 1964. 280.8 P947
- 97924 TAKIGAWA, A. Collective poultry farms in urban areas. (Ja) Niwatori-no-Kenkyu 39(3): 160-165, map. Mar. 1964. 47.8 N64
- 97925 TOBEY, D. M., and BRUMSTED, H. B. Recreation facilities can add income to ranching operation. U. S. Fur Rancher 43(4):8-9, 25. May 1964. 412.629 Am3M
- 97926 TREMBLAY, R. H. Are bigger farms better? Vt. Farm & Home Sci. 5(3):5, 11. Spring 1963. 100 V593  
Dairy farms.
- 97927 VERNIER, A., and BLOND, R. Farmer's intentions concerning the production of milk and meat, according to an enquiry held by the I.N.S.E.E. in July 1963. (Fr) France. Inst. Natl. de la Statis. et des Etudes Econ. Etudes et Conjoncture 19(4):3-8. Apr. 1964. 280.8 F84
- 97928 VOLODARSKII, D., and VAINER, M. Methods of determination of economic effectiveness of capital investments and use of machinery in agriculture. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:13-18. 1964. 20 M57
- 97929 WAGEMANN, Specialization of production of people's farms of the German Democratic Republic. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 2:20-23. 1964. 20 M57
- 97930 WANDHOFF, H. E. Economic swine fattening through constant control. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(25):928-929. June 18, 1964. 18 N39  
Work of control rings; advisory and marketing operations.
- 97931 WUTTKE, W. Beginnings of farm adaptation in Lower Saxony. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(22):842-846. May 28, 1964. 18 N39
- 97932 YAMAGAMI, M. Aid for the modern industrialized poultry raising. (Ja) Niwatori-no-Kenkyu 39(1):54-55. Jan. 1964. 47.8 N64  
Management.
- 97933 YAMAGAWA, Y. The results of rationalizing management. (Ja) Japan Poultry J. 48(4):53-54, 57-61. Apr. 1963. 47.8 J27  
Poultry raising.
- 97934 YAMAMOTO, K. The planning and diagnosis of poultry raising management. (Ja) Keiyu 11: 178-181. Nov. 1963. 47.8 K26
- 97935 YONENO, Y. Thoughts on future village poultry raising. 1-5. (Ja) Niwatori-no-Kenkyu 39(1): 114-117; (2):70-75; (3):58-63; (4):104-109; (5): 154-157. Jan.-May 1964. 47.8 N64
- 97936 YOSHIDA, M. Self analysis of operations in a poultry farm. 2. (Ja) Keiyu 4:198-201. Apr. 1964. 47.8 K26
- 97937 YOSHITA, M. This year's chick raising plan; five problems. (Ja) Japan Poultry J. 49(1):40-44. Jan. 1964. 47.8 J27  
Management.
- Bookkeeping and Records**
- 97938 BUCHMILLER, M. K. Convenient, useful field work records. Doane's 27(11):18B, 22-22A. Apr. 8, 1964. 281.8 D652
- 97939 DURHAM, L. J. Better farm accounting in cereal and wool production. Farmers' & Sci. Joint Conf. Cereals & Wool, 5th Conf.:74-76. 1963. 27 F22C  
Includes discussion.
- 97940 FU, I. How to correctly calculate production receipts and disbursements. (Ch) Nongye Jishu 10:61-64. Oct. 1963. 22.5 N929
- 97941 HO, H. The Liu-lin brigade's calculation of the management of the mutual assistance teams! (Ch) Nongye Jishu 11:44-45. Nov. 1962. 22.5 N929  
Bookkeeping.
- 97942 ISHIMARU, M. Advise on the end of the year settlement of accounts in poultry raising. (Ja) Niwatori-no-Kenkyu 38(12):76-80. Dec. 1963. 47.8 N64
- 97943 KONGSVIK, R. Regnskapet-nokkelen til bedre Okonomi [Accounts—the key to better economy]. Norway. Landbrdept. Opplysningsstjenesten. Smaskr. 17,15 p. 1963. 464.4 N83
- 97944 LAVRINENKO, V. T. How to calculate costs of production of collective farms. (Rus) Kol-khoz.-Sovkhoz. Proizvodstvo Turkmenistana 11:28-32. Nov. 1963. 20 Se4982
- 97945 PAO, W. H. How to publish the accounts to the commune members. (Ch) Chung Kuo Nung Pao 9:39-40. Sept. 1963. 22.5 C473
- 97946 PARKER, C. A. TEL-FAC; Texas electronic farm accounting. Tex. Agr. Prog. 10(3):18-19. Summer 1964. 100 T31Te
- 97947 WEN, S. T. An explanation of the receipt forms. (Ch) Nongye Jishu 11:43-45. Nov. 1962. 22.5 N929
- 97948 YAMAMOTO, K. Income and expenditures in poultry raising operations. 2. (Ja) Keiyu 3: 180-185. Mar. 1964. 47.8 K26  
Bookkeeping.
- 97949 YANG, C. C. Proper calculations for the division of the fall harvest distributions and the year end accounts. (Ch) Nongye Jishu 11:42-43. Nov. 1962. 22.5 N929
- Costs and Returns**
- 97950 ABE, O. Raising costs of poultry according to market feed mixtures. (Ja) Niwatori-no-Kenkyu 38(6):62-65. June 1963. 47.8 N64
- 97951 ABE, S. Comparative results of raising Japanese and American chicks. 1. (Ja) Niwatori-no-Kenkyu 39(2):26-29. Feb. 1964. 47.8 N64  
Costs and returns.
- 97952 ANDERSSON, K. O. The economy of swine husbandry depends on feeding. (Sw) Lantmannen 75(5):130-131. Feb. 1, 1964. 11 L234
- 97953 ASAKURA, A. Viability rate and economic nature of poultry. (Ja) Niwatori-no-Kenkyu 39(1):78-83. Jan. 1964. 47.8 N64
- 97954 ASGHAR, A. G., and HAFEEZ, M. A. A study into the economics of land and water use in land reclamation. II. Pakistan J. Sci. 15(3):95-110. May 1963. 475 P172  
Costs and returns of crop production on reclaimed land.
- 97955 CALIFORNIA, UNIVERSITY. AGRICULTURAL EXTENSION SERV. Poultry management study, San Bernardino County. San Bernardino, 1963. 6 p. 275.29 C12En  
Costs and returns.
- 97956 CIOCOIU, F. Some problems concerning the economics of animal husbandry. (Rum) Rev. de Zooteh. si Med. Vet. 14(3):35-42. Mar. 1964. 49 P943
- 97957 DIAZ DEL PINO, A. Corn culture. (Sp) Tierra [Mexico] 19(5):378-379, 427. May 1964. 8 T445  
Installment deals chiefly with costs.
- 97958 DUTHIE, W. B. Lamb and hogg fattening in the East of Scotland, 1962-63. Edinb. Sch. Agr. Econ. Rpt. 80,8 p. Oct. 1963. 281.9 Ed4E  
Costs and returns.
- 97959 EBIZAWA, K. Economical farm poultry raising. (Ja) Japan Poultry J. 48(4):129-131. Apr. 1963. 47.8 J27
- 97960 ENGEL, B. The development of feed costs in Bavaria. (Ge) Tierzuechter 16(13):498-499. July 5, 1964. 49 T445
- 97961 GAMDZYK, H. On returns from state farm. (Pol) Nowe Roln. 13(3):9-10. Feb. 1/15, 1964. 20.5 N86
- 97962 GAUSTAD, M. Reflections and frank remarks on milk production and its future. (No) Buskap og Avdratt 15(4):165-168. 1963. 49 B96  
Chiefly economic aspects.
- 97963 GERHARDT, E. Critical re-examination of potato culture in the free economy with effects on the site of forestry in Thunen's "Isoliertem Staat." (Ge) Z. f. Agrargesch. u. Agrarsoziol. 11(2):172-200. Ref. Oct. 1963. 30.98 Z3  
Production costs.

- 97964 GIESSEN, L. B. VAN DER. Pachttaxatie en bedrijfsvoering; een factoranalytisch onderzoek op friese kleiweidebedrijven [Rent appraisal and farm management; factor analysis research on Friesian clay grassland farms]. Landb.-Econ. Inst. Studies 10,65 p.,map. Apr. 1964. 281.9 L23S  
English summary.
- 97965 GRANLI, L. Natural qualifications for small livestock husbandry. (No) Sau og Geit 16(6): 134-135. Dec.1963. 45.8 Sa8  
Economic aspects of sheep husbandry.
- 97966 GURTNER, O. Problems of profitability of inserting cattle feeding on grain-sugar beet farms of the dry arable districts of Austria. (Ge) Bodenkult. Ausg. B, Agrarwirt. Teil 14(2): 89-117. Ref. Jan.1964. 281.8 B632
- 97967 HARTLEY, J. H. Silage economics; sorghum vs. corn. Doane's 27(11):24-25,28. Apr.8,1964. 281.8 D652
- 97968 HEGGDAL, M., and SOLVERUD, S. Sauehald noko for meg? [Sheep husbandry; something for me?]. Norway. Landbrdept. Opplysningstjenesten. Smaskr. 18,15 p.,map. 1963. 464.4 N83  
Costs and returns.
- 97969 HELLBERG, A. Consider carefully the purchase of feed concentrates. (Sw) Mjolkpropagandan 41(3):57. 1964. 44.8 M692  
Cost of livestock feeding.
- 97970 HOPLER, E. Stall problems and costs in swine keeping. (Ge) Forderungsdienst 12(2):55-58. Ref. Feb.1964. 19 F75  
Includes labor requirements in Austria.
- 97971 JUSTUS, F. E., and BEER, C. L. A primer on costs. Mo. Agr. Col. Ext. C. 788,8 p. Aug. 1963. 275.29 M69C
- 97972 KACHARAVA, P. M., and RTSKHILADZE, I. T. In young irrigated orchards of Georgia. (Rus) Sadovodstvo 4:16-17. 1964. 80 Sa13  
Costs and returns of cover crops culture.
- 97973 KIYOTA, T. An investigation into the economic ability on a poultry breeding farm in Yamaguchi Prefecture. (Ja) Keiyu 2:64-67. Feb.1964. 47.8 K26  
Costs and returns.
- 97974 KJORVEN, C. The agricultural negotiations and the milk production economy. (No) Norsk Landbr. 12:20-21. June 12,1964. 11 N8122
- 97975 KRAAIKAMP, E. C. VAN. Fattening of beef cattle and steers. Is a higher income possible from the production of lean beef? (Du) Doelmatige Veehouderij 12(5):84-89. Nov.1963. 49 D67
- 97976 KURIBARA, T. Various economic questions on Japanese poultry raising. 1. (Ja) Niwatori-no-Kenkyu 39(5):36-40. May 1964. 47.8 N64  
This section on costs.
- 97977 LEEDS, UNIVERSITY. DEPT. OF AGRICULTURE. Types of farming in Yorkshire; a study based on 261 farm accounts in 1962-63. Leeds. U. Dept. Agr. Econ. Sect. Farmers' Rpt. 162, 36 p. May 1964. 281.9 L51
- 97978 LOGACHEV, V. E. Structure of crops in the South of Kirgizia. (Rus) Khlopkovodstvo 4:8-10. Apr.1964. 72.8 K522  
Costs and returns, and yields.
- 97979 LUBORADZKI, S. On production of slaughter swine by state farms. (Pol) Nowe Roln. 13(3): 8-10. Feb.1/15,1964. 20.5 N86  
Chiefly costs.
- 97980 MACZAK, J. The economy of tomato production. (Hu) Kerteszlet es Szoleszet 13(11):5-6. June 1964. 80 K474
- 97981 MANCHESTER UNIVERSITY. AGRICULTURAL ECONOMICS DEPT. Farm management survey financial results: 1960/61, 1961/62. Manchester. U. Dept. Agr. Econ. B. 101,32 p. July 1963. 10 V66
- 97982 MIYAJIMA, M. Swine raising operations. (Ja) Keiyu 5:214-218. May 1964. 47.8 K26  
Costs and returns.
- 97983 MIYOSHI, J. What is the economic value for molting chickens. (Ja) Japan Poultry J. 48(4): 88-90. Apr.1963. 47.8 J27
- 97984 NOORT, L. VAN. Rentabiliteit van de tuinbouw in het gebied Venlo-Blerick-Tegelen over 1963; voorlopige berekening [Profitability of horticulture in the Venlo-Blerick-Tegelen district for 1963; preliminary estimates]. Landb. Econ. Inst. Verslagen 77,20 p. June 1964. 281.9 L23V
- 97985 NORIN, S., and JOHNSON, B. Lonsamhet och resursatgang vid specialiserad djurskotsel. Profitability and resource requirements in specialized animal husbandry. Uppsala. Lantbrhogsk. Meddel. Ser. A, 12,69 p. Ref. 1964. 11 Up62  
English summary.
- 97986 NOSAWA, S. An investigation of the economic ability of poultry in Yamanashi Prefecture. (Ja) Keiyu 2:48-54,59-61. Feb.1964. 47.8 K26  
Costs and returns.
- 97987 NOSAWA, S. On determining the economic potentiality of poultry. (Ja) Japan Poultry J. 49(6):48-52. June 1964. 47.8 J27  
Costs and returns.
- 97988 OKUBO, M. How can the decrease in earnings due to the rise in the price of feed be offset? (Ja) Japan Poultry J. 49(4):74-76,81. Apr. 1964. 47.8 J27
- 97989 OSUKA, K. Results of an economic survey of poultry raising. (Ja) Niwatori-no-Kenkyu 38(6):124-128. June 1963. 47.8 N64
- 97990 PADBERG, K. Kosten und Rentabilität der Legehennenhaltung in landwirtschaftlichen Betrieben des Landes Nordrhein-Westfalen [Costs and returns in keeping of laying hens on farms of the Province of North Rhine-Westfalia]. Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn 11,91 p.,map. Ref. Apr.1964. 19 F777
- 97991 PERRYMAN, C., and others. Costs and returns for a 50-acre hay and silage enterprise in Lewis County, Washington, 1964. Wash. State U. Agr. Ext. Ext. Mimeo. 2420,9 p. June 1964. 275.29 W27Mi  
A. Cagle, R. Roffler, and E. Minnick, joint authors.
- 97992 PERRYMAN, C., and others. Costs and returns of raising 50 dairy replacement heifers in Lewis County, Washington, 1964. Wash. State U. Agr. Ext. Ext. Mimeo. 2424,7 p. June 1964. 275.29 W27Mi  
A. Cagle, B. Kelso, R. Roffler, and E. Minnick, joint authors.
- 97993 PRIIMAK, A. K. Fertilizers, yields and income. (Rus) Sadovodstvo 4:10-11. 1964. 80 Sa13
- 97994 ROSEFELDT, E. My farm paying? (Ge) Agros [Hannover] 8(12):32-33. (Cont.) Dec. 1963. 18 Ag83
- 97995 ROSEFELDT, E. My farm paying? (Ge) Agros [Hannover] 9(1):18,23. (Concl.) Jan. 1964. 18 Ag83
- 97996 ROWE, S. G. Farming as a business. Economics of pullet rearing. Farmers' J. (n.s.)3(36): 45,56. Apr.3,1964. 10 F2234  
Northern Ireland.
- 97997 SANCHEZ OSUNA, M. V. L. Costs of production on a small livestock farm. (Sp) Mex. Agr. 10(118):14-15. Dec.1963. 8 M5762
- 97998 SIMPSON, F. M. Livestock has powerful growth "moneywise." Livestock Breeder J. 7(2):46. Feb.1964. 49 L758
- 97999 SMITH, I. D. Intensive cropping draws highest returns. Doane's 27(5):6-8. Feb.8,1964. 281.8 D652  
Rotations.
- 98000 STANTON, B. F. A comparison of cost and return statements for sugar beets: Ohio, 1961, Ontario, Canada, 1959-61, Michigan, 1966, Maine, 1963. N. Y. State Col. Agr. (Cornell U.) Dept. Agr. Econ. A. E. Ext. 321,8 p. June 1964. 281.9 C81Ae
- 98001 STODDARD, E. O. Costs and returns, commercial broiler farms, Maine, Delmarva and Georgia, 1963. U. S. D. A. Econ. Res. Serv. FCR-26,14 p.,map. June 1964. A281.12 Ag84F



- 98002 TAKAHASHI, A. On the effectiveness of determining the economic potential. (Ja) Japan Poultry J. 49(6):64-66. June 1964. 47.8 J27 Costs and returns.
- 98003 TAKAHASHI, A. Results of investigation into the economic ability of poultry. (Ja) Keiyu 2: 28-34. Feb. 1964. 47.8 K26 Costs and returns.
- 98004 TRULSSON, G. Swine husbandry in 1963. (Sw) Svinskotsel 54(2):35-39. 1964. 46.9 Sv2 Costs and returns.
- 98005 UCHITOMI, H. The necessity for determining the economic potential of poultry. (Ja) Japan Poultry J. 49(6):58-63. June 1964. 47.8 J27 Costs and returns.
- 98006 WALKER, R. F. Economics of milk production in north-west England, 1960-61 to 1961-62. Manchester. U. Dept. Agr. Econ. B. 102,62 p. Nov. 1963. 10 V66
- 98007 WILCOCK, G. W. The case for high yields. Agr. Merchant 44(3):71,73. Mar. 1964. 10 Ag89 Dairy farm costs and returns.
- 98008 WINDEN, W. J. VAN. Rentabiliteit van de tuinbouw in het Zuidhollands glasdistrict; voorlopige berekening 1962 [Profitability of horticulture in the South Holland greenhouse district; preliminary estimates 1962]. Landb.-Econ. Inst. Verslagen 16,45 p. Apr. 1963. 281.9 L23V
- 98009 WRIGHT, E. M. Report on peas for processing 1962. Edinb. Sch. Agr. Econ. Rpt. 81,22 p. Jan. 1964. 281.9 Ed4E Costs and returns.
- Land Settlement and Colonization
- 98010 CONFORTI, E. Planning of land settlement programs. (It) Riv. di Agr. Subtrop. e Trop. 58(1/3):74-88. Jan./Mar. 1964. 26 Ag82 English summary. South America.
- 98011 DELAVAN, W. The North American Land and Timber Company, Limited; some notes on its beginnings. Ark. Acad. Sci. Proc. 17:68-77. Ref. 1963. 500 Ar42 Responsible for the rise of Louisiana as a major rice producing state.
- 98012 GREENWOOD, R. H. Will the North remain empty?; an analysis of conditions for accelerated development. Austral. J. Sci. 26(10):305-311. Apr. 1964. 475 Au72
- 98013 NITZ, H. J. Contributions to the problem of Frankish State colonization in the southern German region from the point of view of settlement geography. (Ge) Z. f. Agrargesch. u. Agrarsoziol. 11(1):34-62, map. Ref. Apr. 1963. 30.98 Z3
- 98014 WINSBERG, M. D. Colonia Baron Hirsch; a Jewish agricultural colony in Argentina. Gainesville, 1964. 71 p., map. (Florida. University. University of Florida Monographs. Social Sciences, No. 19) 282.2 W73
- Land Tenure
- 98015 AMARAL, J. B. DE S. Agrarian reforms of subversive character. (Por) Rural 43(511):38-40. (Cont.) Nov. 1963. 9.2 B733
- 98016 AMARAL, J. B. DE S. Agrarian reforms of subversive character. (Por) Rural 43(512):16-17. (Concl.) Dec. 1963. 9.2 B733
- 98017 BALDWIN, F. N. The impact of the Commerce Clause on the riparian rights doctrine. Appraisal J. 32(3):398-434. Ref. July 1964. 282.8 Am3
- 98018 BAROJA, J. C. Agrarian life in Andalucia. (Fr) Paris. Ecole Prat. des Hautes Etudes. Sixieme Sect. Sci. Econ. et Soc. Etudes Rur. 10:81-101, map. Ref. July/Sept. 1963. 281.9 P21 Land tenure history.
- 98019 CALLE E., R. Land and population on the prairies of the upper Andes of Peru. (Sp) Vida Agr. [Lima] 40(479):575-576. Oct. 1963. 9.8 V66 Land reform.
- 98020 CARROLL, T. F. Land tenure and land reform in Latin America; a selective annotated bibliography. Washington, D.C., Inter-Amer. Devlpmt. Bank, 1962. 256 p. 241.3 In893 Preliminary version. Text also in Spanish.
- 98021 CARSTENSEN, V. Our fundamental cultural attitudes toward land. Mass. U. Agr. Ext. P. 416:2-8. Ref. May 1964. 275.29 M381L Tenure.
- 98022 DONGUS, H. The rice culture societies of the Po Delta, a new form of collective land use. (Ge) Z. f. Agrargesch. u. Agrarsoziol. 11(2): 201-212, map. Ref. Oct. 1963. 30.98 Z3 History of land tenure and reform and the settlement societies.
- 98023 DRIANT, P. Improvement of agricultural and rural structures. (Fr) Confed. Internatl. du Credit Agr. Assemblee Gen. 8:171-247. 1962. 284.29 C765Pa National reports of various countries are appended to this report, p. 249-403. Development of rural society and problems presented by a policy of improving farm and rural structures, such as land tenure and inheritance.
- 98024 ERTL, R. The free limits under the Land Transfer Law in Bavaria. (Ge) Recht der Landwirt. 16(5):113-117. May 1964. 30.58 R24
- 98025 FAMULARO, N. On the reform of agricultural contracts. (It) Bonifica Integrale 18(5):165. May 1964. 55.9 As72
- 98026 GARCIA ISIDRO, M. The rents—that remain. (Sp) Agricultura [Madrid] 32(377):536-539. Sept. 1963. 15 Ag84
- 98027 HESSE, P. Interrelations between agrarian structure and industrialization of the State of Baden-Wurttemberg. (Ge) Z. f. Agrargesch. u. Agrarsoziol. 11(1):78-86. Apr. 1963. 30.98 Z3
- 98028 KAMPP, A. H. Structural changes in Danish agriculture from a geographic point of view, especially 1940-60. (Da) Tolvmandsbladet 36 (7):320-324, map. July 1964. 11 T58
- 98029 KANEL, D. Comments on the relationship of land tenure to productivity. Wis. U. Land Tenure Cent. Newslet. 14:11-15. Jan./Feb. 1964. 282.9 W753
- 98030 KRENZ, R. D. Projection of farm numbers for North Dakota with Markov chains. Agr. Econ. Res. 16(3):77-83. Ref. July 1964. 1 Ec7Agr
- 98031 LLOSA LARRABURE, J. Concepts on the agrarian reform. (Sp) Agronomia [Lima] 30 (1):57-62. 1963. 9.8 Ag83
- 98032 LOWENTHAL, D., and PRINCE, H. C. The English landscape. Geog. Rev. 54(3):309-346, map. Ref. July 1964. 500 Am35G Includes land tenure.
- 98033 MOGI, S. The present day agricultural corporation. (Ja) Niwatori-no-Kenkyu 39(5):118-123. May 1964. 47.8 N64
- 98034 MORGENROTH, K. Accelerated consolidation of holdings. (Ge) Agros [Hannover] 8(12):40-42. Dec. 1963. 18 Ag83
- 98035 ROCHE, J. Agrarian systems in the German colonies of the South of Brazil. (Fr) Paris. Ecole Prat. des Hautes Etudes. Sixieme Sect. Sci. Econ. et Soc. Etudes Rur. 10:26-36, map. July/Sept. 1963. 281.9 P21 Land tenure and soil burning in the rotation.
- 98036 ROUVEROUX, P. The agrarian reform in Algeria. (Fr) Soc. d'Etudes et d'Expansion. Rev. 209:9-12. Jan./Feb. 1964. 280.8 Sol7
- 98037 SAALFELD, D. The problem of farmer land loss in relation to the Prussian agrarian reform. (Ge) Z. f. Agrargesch. u. Agrarsoziol. 11(2):163-171. Ref. Oct. 1963. 30.98 Z3
- 98038 SALA-ESCOLIES, E. Possibilities of reconstructing Spanish latifundia. (Sp) Inst. Agr. Catalan de San Isidro. Rev. 12(11):166-167. Nov. 1963. 15 Sa5
- 98039 SCHAUFF, J. The new land reform in Chile. Migration News 13(3):5-10. May/June 1964. 282.28 M58

- 98040 SCHWARTZ, T. Land use in a Mexican ejido village. (Fr) Paris. Ecole Prat. des Hautes Etudes. Sixieme Sect. Sci. Econ. et Soc. Etudes Rur. 10:37-49. July/Sept.1963. 281.9 P21  
Tenure.
- 98041 SOCIEDAD NACIONAL AGRARIA. Agrarian reform; exposition on the project of the Ministerio de Agricultura. (Sp) Vida Agr. [Lima] 40(479):577-579,581,583,585-590. Oct.1963. 9.8 V66
- 98042 STEUERER-FINCKH, B. Layout of mowing meadows in connection with land consolidation and outsettlement. (Ge) Bayer. Landwirt. Jahrb. 41(1):91-102. 1964. 18 L24
- 98043 VASQUEZ CARRIZOSA, A. The agrarian reform and general development of Colombia. (Fr) Soc. d'Etudes et d'Expansion. Rev. 209: 36-40. Jan./Feb.1964. 280.8 So17
- 98044 WUNDERLICH, G. Land reform in western India: analysis of economic impacts of tenancy legislation, 1948-63. U. S. D. A. Econ. Res. Serv. ERS-Foreign-82,46 p.,map. Ref. June 1964. A281.9 Ag83
- 98045 ZARTMAN, I. W. Morocco; problems of new power. New York, Atherton Press, 1964. 276 p.,map. (The American Association for Middle East Studies Series) 280.19 Z12  
Contains a chapter on the agrarian reform.
- Land Utilization
- 98046 AHLGREN, H. L. Develop national land policy. Natl. Assoc. Soil & Water Conserv. Dist. Proc., 18th Annu. Conv.:39-45. 1964. 56.9 N212A  
Land use.
- 98047 AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE. COUNCIL STUDY COMMITTEE ON NATURAL AREAS AS RESEARCH FACILITIES. Natural areas as research facilities; report. Washington, 1963. various paging. 282.12 Am33  
Bound with National Symposium on College Natural Areas. 1st, University of Illinois, 1962. College natural areas as research and teaching facilities. Proceedings, issued as Nature Conservancy. Research Publication, No.1.  
Utilization.  
Includes list of published books available for use in research training utilizing natural areas, by J. B. Ross, 193 p.
- 98048 AMIRAN, D. H. K. Land utilization in Israel. (Fr) Ann. de Geog. 72(395):693-719, map. Nov./Dec.1963. 473 An75
- 98049 BARLOWE, R. What we want of land. Mass. U. Agr. Ext. P. 416:9-17. May 1964. 275.29 M381L  
Utilization; rural-urban fringe.
- 98050 BELOZOROV, A. T. Effective utilization of Siberian land. (Ru) Zemledelie 2:26-30. Feb.1964. 20 Z44
- 98051 BOTTUM, J. C. Land use adjustment-where, how, and how much. Natl. Farm Inst. [Proc.] 2,11 p. 1963. 4 N219
- 98052 BRANDOW, G. E. Why land use changes are needed. Natl. Farm Inst. [Proc.] 3,11 p. 1963. 4 N219
- 98053 CLAWSON, M. The need for land use adjustment. Natl. Farm Inst. [Proc.] 4,11 p. 1963. 4 N219
- 98054 CRAFTS, E. C. Crafts urges recreation plans. Natl. Assoc. Soil & Water Conserv. Dist. Proc., 18th Annu. Conv.:30-36. 1964. 56.9 N212A
- 98055 CRAIG, J. B. Farm vacations. Amer. Forests 70(7):8-11,42-43. July 1964. 99.8 F762
- 98056 CREVELING, K. H. The future development of public lands. N. J. Mosquito Extermin. Assoc. Proc., 50th Annu. Mtg.:13-16. 1963. 420 N46  
Recreational use.
- 98057 FAUTZ, B. Sozialstruktur und Bodennutzung in der Kulturlandschaft des Swat (Nordwesthimalaya) [Social structure and land use in the cultural landscape of Swat (northwest Himalayas)]. (Ge) Giessener Geog. Schr. 3,127 p.,map. Ref. 1963. 278.8 G36  
English summary.
- 98058 FOSTER, J. H. The process of land reallocation among uses. Mass. U. Agr. Ext. P. 416: 18-22. May 1964. 275.29 M381L
- 98059 GOETSCH, F. Future changes in land use. Doane's 27(11):32-35, map. Apr. 8, 1964. 281.8 D652
- 98060 HAZEL, P. V. Planning rural estates; the need to consider the future land use pattern. Chartered Land Agents' Soc. J. 63(7):269-273. July 1964. 282.9 L22
- 98061 JAMES, J. R. The control of land used in Britain. Mass. U. Agr. Ext. P. 416:23-30. May 1964. 275.29 M381L
- 98062 KELLOGG, C. E. Soil use for abundance in the newly developing countries. Amer. Soc. Agron. ASA Spec. P. 1:28-35. Apr.1963. 64.9 Am3
- 98063 MEYER, K. Ordnung im landlichen Raum. Grundlagen und Probleme der Raumplanung und Landentwicklung [Arrangement in rural space; principles and problems of land use planning and development]. Stuttgart, Ulmer, 1964. 367 p. 282.175 M57O
- 98064 NEW YORK (STATE). DEPT. OF HEALTH. Upper Hudson River Drainage Basin except Hoosic River Drainage Basin; recommended classifications and assignment of standards of quality and purity for designated waters of New York State. N. Y. (State) Dept. Health. Upper Hudson River Drainage Basin Survey Ser. Rpt. 2,345 p.,map. Feb.1963. 292.9 N486  
Land and water use.
- 98065 NEWCOMB, R. Urban land use shifts to low gear. Appraisal J. 32(3):376-382. July 1964. 282.8 Am3  
Includes the rural-urban fringe.
- 98066 POPA, V. Results obtained in the Galati region in the rational use of land. (Rum) Prob. Agr. [Bucharest] 16(1):60-65. Jan.1964. 21 R862
- 98067 ROSEBERRY, J. L., and KLIMSTRA, W. D. Recreational activities on Illinois strip-mined lands. J. Soil & Water Conserv. 19(3):107-110. May/June 1964. 56.8 J822
- 98068 SEPTROUX, J. Horticulture and tourism in the Province of Luxembourg. (Fr) Rev. de l'Agr. 17(4):535-537. Apr.1964. 13 R322
- 98069 SITTERLEY, J. H. Future land use in the Appalachian Plateau and its relation to strip-mine reclamation. Ohio J. Sci. 64(2):106-111. Mar.1964. 410 Oh3  
Ohio.
- 98070 SMITH, D. A. Utah's State-owned marsh lands; their role in the perpetuation and use of resource. Utah Mosquito Abatement Assoc. Proc., 16th Annu. Mtg.:24,26-27. 1963. 420 Ut1  
Includes recreational use.
- 98071 SOET, F. DE. Recreation and agriculture. I. (Du) Landbk. Tijdschr. 76(11):411-413, map. June 1964. 105.2 Or3
- 98072 SOET, F. DE. Recreation and agriculture. II. (Du) Landbk. Tijdschr. 76(12):453-454. June 1964. 105.2 Or3
- 98073 SQUIBB, J., and WEST, J. G. Participation in government land retirement programs in Missouri. Mo. Agr. Expt. Sta. B. 803,15 p.,map. June 1963. 100 M693
- 98074 WOLFANGER, L. A. The facts about zoning. Better Farming Methods 36(2):18-20. Feb. 1964. 58.8 B46
- Land Values and Valuation
- 98075 ASCHER, D. B. The theory and practice of appraising farms for the granting of real credit. (Fr) Confed. Internatl. du Credit Agr. Assemblée Gen. 8:145-170. 1962. 284.29 C765Pa
- 98076 FAZIO, S. DL. Remarks on the appraisal of trees. (It) Riv. del Catasto e dei Serv. Tec. Erariali (n.s.)17(4/6):207-211. Ref. 1962. 280.8 R523  
Fruit and forest trees.
- 98077 GALE, J. F. Farm market values continue to advance. Agr. Situation [Washington] 48(7):4-6, map. July 1964. 1 Ec7Ag



- 98078 HOYT, H. Appraisal of different types of real property. *Appraisal J.* 32(3):383-393. July 1964. 282.8 Am3  
Includes farm lands.
- 98079 LOUISIANA, DEPT. OF AGRICULTURE AND IMMIGRATION DIV. List of Louisiana lands for sale, June 1964. Baton Rouge, 1964. 17 p. 2 L933
- 98080 NATIONAL INSTITUTE OF FARM AND LAND BROKERS. Roster, April 15, 1964. n.p., 1964. 90 p. 225 In73
- 98081 SCHULTE, The lifting of a land purchase agreement in approved procedures according to the Land Transfer Law. (Ge) *Recht der Landwirt.* 16(5):117-119. May 1964. 30.58 R24

## POPULATION

- 98082 BAUDER, W. W. Your neighbors move. *Iowa Farm Sci.* 19(1):7-9. July 1964. 275.28 Io94
- 98083 DUGRE, S., and WILKINSON, T. O. Demographic correlates of metropolitan growth; Springfield, Chicopee, Holyoke, Massachusetts, 1950-1960. *Mass. U. Agr. Ext. P.* 398,28 p. Ref. May 1963. 275.29 M381L  
Published jointly with Massachusetts Agricultural Experiment Station.
- 98084 FINLAND. TILASTOLLINEN PAATOIMISTO. Yleinen vaestolaskenta. General census of population, 1960. V. Helsinki, 1964. 81 p. 267.5 F492V  
Table of contents, summary and some table headings also in English.  
Includes rural population.
- 98085 LEVESQUE, A., and BROHIER, M. Application of scale analysis to the study of the development of the rural population in France. (Fr) *Sociol. Rur.* 4(2):126-145. 1964. 281.29 So12  
English summary.
- 98086 MOD, A. M. Internal migration and social stratification in Hungary: an investigation of rural exodus. *Inst. Internatl. de Statis. B.* 40 (1):447-450. 1963. 251 In7B  
Includes discussion.
- 98087 MUSE, M. Our rural old folks. *Vt. Farm & Home Sci.* 5(3):6-7. Spring 1963. 100 V593
- 98088 RINALDO, M. Population movement of the Province of Venezia in the past ten years. (It) *Gior. Econ.* 2:123-127. Feb. 1964. 280.8 G432  
Agricultural.
- 98089 SWITZERLAND. EIDGENOSSISCHES STATISTISCHES AMT. Eidgenossische Volkszählung 1. Dezember 1960. Band 2, Kanton Aargau [Federal population census December 1, 1960. Volume 2, Canton of Aargau]. Switz. Eidg. Statist. Amt. Statist. Quellenwerke der Schweiz 367,157 p.,map. 1964. 262 St2Q  
Includes agricultural population.
- 98090 SWITZERLAND. EIDGENOSSISCHES STATISTISCHES AMT. Recensement federal de la population 1er decembre 1960, 9me volume, Canton de Geneve [Federal census of population, December 1, 1960, volume 9, Canton of Geneve]. Switz. Eidg. Statist. Amt. Statist. Quellenwerke der Schweiz 360,191 p. 1963. 262 St2Q  
Includes the population engaged in agriculture.
- 98091 SWITZERLAND. EIDGENOSSISCHES STATISTISCHES AMT. Recensement federal de la population, 1er Decembre 1960. 13me volume Canton de Neuchatel [Federal census of population, December 1, 1960. Volume 13, Canton of Neuchatel]. Switz. Eidg. Statist. Amt. Statist. Quellenwerke der Schweiz 359,135 p.,map. 1964. 262 St2Q  
Data on agricultural population included.
- 98092 WILKINSON, T. O. Changes in Massachusetts population, five to twenty years of age, 1950-1960. *Mass. U. Agr. Ext. P.* 399,12 p. May 1963. 275.29 M381L  
Published jointly with Massachusetts Agricultural Experiment Station.  
Statistics.

- 98093 WILKINSON, T. O., DUGRE, S., and PARENT, J. Massachusetts population growth and redistribution, 1950-1960. *Mass. U. Agr. Ext. P.* 397,24 p.,map. May 1963. 275.29 M381L  
Published jointly with Massachusetts Agricultural Experiment Station.  
Statistics; includes urban-rural changes.

## RURAL SOCIAL ORGANIZATION

- 98094 ARBEITSGEMEINSCHAFT FÜR AUSSTEUERBEITRÄGE AN ANGESTELLTE IN DER LANDWIRTSCHAFT. Annual report 1963. Grune 92(24):750-755. June 12, 1964. 17 Sch9
- 98095 ARCE, A. M. Sociologia y desarrollo rural [Sociology and rural sociology]. *Inst. Interamer. de Cien. Agr. Textos y Mater. de Enseñanza* 9,131 p. Ref. Sept. 1962. 28 In83Tex
- 98096 DENEVAN, W. M. The aboriginal settlement of the Llanos de Mojós: a seasonally inundated savanna in northeastern Bolivia. *Diss. Abs.* 24(12,pt.1):5327-5328. June 1964. 241.8 M58  
Grassland farming and cultural geography.
- 98097 HOFSTEE, E. W. European perspectives of agricultural changes and societal adaptations. In *Iowa State University Center for Agricultural and Economic Development. Farm goals in conflict*, p.188-206. 1963. 281.29 Io9
- 98098 LIJFERING, S. H. W., and ABMA, E. Development of rural sociology at the Agricultural University of Wageningen (Netherlands). (Fr) *Paris. Ecole Prat. des Hautes Etudes. Sixieme Sect. Sci. Econ. et Soc. Etudes Rur.* 7:104-108. Oct./Dec. 1962. 281.9 P21
- 98099 NELSON, C. The waiting village: social change in a Mexican peasant community. *Diss. Abs.* 24(12,pt.1):4908-4909. June 1964. 241.8 M58
- 98100 NUNEZ, T. A. Cultural discontinuity and conflict in a Mexican village. *Diss. Abs.* 24(12,pt.1):4909. June 1964. 241.8 M58
- 98101 RANDOLPH, R. R. The social structure of the Qdilaat Bedouin. *Diss. Abs.* 24(12,pt.1):4909-4910. June 1964. 241.8 M58  
In the Negev Desert of Israel.
- 98102 RINGLER, W. E., and TRENT, C. Selling ideas and programs through social action. *Kans. State U. Agr. Ext. C.* 326,11 p. June 1964. 275.29 K13Ex
- 98103 TAYLOR, L., and JONES, A. R. Rural life and urbanized society. New York, Oxford U. Press, 1964. 493 p.,map. Ref. 281.2 T214  
Includes agribusiness and vertical integration.
- 98104 WICHERS, A. J. "Amoral familism" reconsidered. *Sociol. Rur.* 4(2):167-181. 1964. 281.29 So12  
Italy and the Netherlands.
- 98105 WILLIAMS, R. M. How to judge institutional programs. In *Iowa State University Center for Agricultural and Economic Development. Farm goals in conflict*, p.167-183. 1963. 281.29 Io9  
Social action.

## Human Ecology

- 98106 BAD GODESBERG. INSTITUT FÜR RAUMFORSCHUNG. Kreiszahlen zur Raumordnung [District statistics for regional planning]. 1. Bad Godesberg. *Inst. f. Raumforsch. Inform. (spec.issue)*, 48 p.,map. 1964. 280.9 B643I
- 98107 CLAXTON, O. L., and DENNEY, H. The story of an Ozark community at work, 1944-1964. *Mo. Agr. Col. Ext. C.* 810,64 p.,map. Apr. 1964. 275.29 M69C
- 98108 DEENEN, B. VAN. Economic and employment structure as basis for determining carrying capacity. (Ge) *Forschgesell. f. Agrarpolit. u. Agrarsoziol. [Einzelber.]* 147:27-36. Dec. 1963. 281.9 F77E  
Includes use of data as a basis for development planning.

- 98109 DEUTSCHE Bauernsiedlung—tasks and effects. (Ge) DLZ—Deut. Landtech. Z. 15(7):449-452. July 1964. 58.8 T677  
Chiefly in the area of regional planning.
- 98110 DITTRICH, E. On the prerequisites for regional planning in the present. (Ge) Bad Godesberg. Inst. f. Raumforsch. Inform. 14(8/64): 247-262. Apr.30,1964. 280.9 B643I
- 98111 DUPUY, P. Land of the past, land of the future: Israel. (Fr) Cahiers des Ingen. Agron. 182:21-31. (Concl.) Jan.1964. 14 C112  
Includes communities and education.
- 98112 EMERY, B. E. Regional integration and disintegration in the British Caribbean area. Diss. Abs. 24(12,pt.1):5328. June 1964. 241.8 M58
- 98113 KUTTNER, H. The role of central points in regional development. (Ge) Forschgesell. f. Agrarpolit. u. Agrarsoziol. [Einzelber.] 147: 47-57. Ref. Dec.1963. 281.9 F77E
- 98114 METRAUX, A., and GUTELMAN, M. Rural communities of Peru. (Fr) Paris. Ecole Prat. des Hautes Etudes. Sixieme Sect. Sci. Econ. et Soc. Etudes Rur. 10:5-25, map. Ref. July/Sept.1963. 281.9 P21
- 98115 NIEHAUS, H. Scientific foundation of practical regional policy. (Ge) Forschgesell. f. Agrarpolit. u. Agrarsoziol. [Einzelber.] 147:12-26. Ref. Dec.1963. 281.9 F77E  
Economic.
- 98116 OLSCHOWY, G. Measures of regional planning, landscape care, and green planning for clean air maintenance. (Ge) Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr. 5:103-107. 1963. 18 F778
- 98117 YALAN, E., MAOS, Y., and KAM, L. Village planning. Agr. Israel 9(5):42-41. Feb.1964. 22.5 Ag825
- Institutions
- 98118 ALERS MONTALVO, M. Methods of determining requirements. (Sp) Ext. en las Amer. 8(2): 14-15. 1963. 275.249 Ex8  
In extension work.
- 98119 ANDREWS, C. B. The family physician's responsibility to rural people. Region. Conf. Rur. Health. West. States, 4th Region. Conf.:38-39. 1962. 448.9 R26
- 98120 ARIAS, C. L. Information as medium for giving stimulation and recognition to voluntary leaders. (Sp) Ext. en las Amer. 8(2):20-21. 1963. 275.249 Ex8
- 98121 ASTBURY, A. K. Agricultural advisory service in Great Britain. (It) Allevatore 20(3):6. Jan.19,1964. 49 AL55
- 98122 BAK, I. Methods of dissemination of scientific results and modern production processes in the kolkhoz and in the farm cooperatives. (Hu) Szovjet Tapasztalatok a Magyar Mezőgazdaságban 1:108-124. 1962? 19 Sz5  
Advisory services.
- 98123 BALATON, GY. The new school year in higher agricultural technicums. (Hu) Magyar Mezőgazdaság 19(24):21. June 10,1964. 19 M27
- 98124 BARBERIS, C. The woman in Italian agriculture. (It) Paris. Ecole Prat. des Hautes Etudes. Sixieme Sect. Sci. Econ. et Soc. Etudes Rur. 10:50-67, map. July/Sept.1963. 281.9 P21
- 98125 BECKENHOLDT, D. Illinois in sixth year of holding FFA communication work shops. ACE (Amer. Ass. Agr. Coll. Editors) 46(3):7-8. Nov./Dec.1963. 238 Am33A
- 98126 BENTON, R. A. Adult farmer education. Natl. Assoc. Col. & Teachers Agr. J. 8(1):17. Mar. 1964. 275.9 N213
- 98127 BONNET, S., SANTINI, C., and BARTHELEMY, H. Agrarian survivals in an industrial sector. (Fr) Paris. Ecole Prat. des Hautes Etudes. Sixieme Sect. Sci. Econ. et Soc. Etudes Rur. 7:5-35, map. Ref. Oct./Dec.1962. 281.9 P21  
Political role of farmers.
- 98128 BRIGGS, V. With the family; the new member. Kans. State U. Agr. Ext. L. 165,6 p.-folder. Ref. May 1964. 275.29 K13Le  
Care of the new baby.
- 98129 BRIGGS, V. With the family; preschool growth. Kans. State U. Agr. Ext. L. 166,6 p.-folder. May 1964. 275.29 K13Le
- 98130 BUSQUETS, C. T. DE. Importance of determining needs in setting up an extension program. (Sp) Ext. en las Amer. 8(2):10-13. 1963. 275.249 Ex8
- 98131 BUSQUETS, C. T. DE. Selection of projects. (Sp) Ext. en las Amer. 8(2):16-19. 1963. 275.249 Ex8  
Extension.
- 98132 CASTIGLIONI, N. V. The first International Salon of Agriculture. (It) Gior. Econ. 2:131-133. Feb.1964. 280.8 G432  
At Versailles.
- 98133 CHAND, B. Panchayati Raji. Kurukshetra 12 (5):15-17. Feb.1964. 281.28 K96  
Role of Panchayati Raj as an organ of local administration of the Central government.
- 98134 CLAAR, J. B. Goals, values and cooperative extension programs. In Iowa State University Center for Agricultural and Economic Development. Farm goals in conflict, p.135-144. 1963. 281.29 Io9
- 98135 CREDE, R. H. Medical education's responsibility to rural people. Region. Conf. Rur. Health. West. States, 4th Region. Conf.:34-35. 1962. 448.9 R26
- 98136 DECORA, P. J. A study of the post institute occupations and educational experiences of selected alumni of State University Agricultural and Technical Institute at Farmingdale, New York. Diss. Abs. 24(12,pt.1):5119-5120. June 1964. 241.8 M58
- 98137 DORNIK, O. Technical school education of farm holders in the light of the 1960 census. (Ge) Forderungsdienst 12(3):87-88. Mar.1964. 19 F75  
Austria.
- 98138 ERICKSON, E. C. Agricultural leaders' opinion on extension and research. Wash. Agr. Expt. Sta. Sta. C. 434,23 p. 1962. 100 W27S  
Programs and policies of the Washington Agricultural Extension Serv.
- 98139 GALIZZI, G. Aspects and problems of agricultural extension. (It) Milan. U. Cattolica del Sacro Cuore. Facol. di Agr. Ann. (n.s.)3(3): 499-509. Dec.1963. 16 M582  
English summary.
- 98140 GARDNER, K. E. Foreign aid means learning as well as teaching. Ill. Res. 6(3):17. Summer 1964. 100 IL64  
Agricultural assistance to developing countries.
- 98141 GIBBONS, H. Organized medicine's responsibility to rural people. Region. Conf. Rur. Health. West. States, 4th Region. Conf.:36-38. 1962. 448.9 R26
- 98142 GREENE, S. E. Theology of rural life: a Protestant perspective. In Iowa State University Center for Agricultural and Economic Development. Farm goals in conflict, p.15-32. 1963. 281.29 Io9
- 98143 GRUNICK, E. Education in the agricultural sciences with off-campus university study. (Ge) Z. f. Agrarikon. 7(4):109-112. 1964. 281.8 Z3
- 98144 HANSEN, T. B. Evaluation in extension work. (No) Tidsskr. f. det Norske Landbr. 71(5):113-117. 1964. 11 T433  
In U.S.A.
- 98145 HARD, G. A "peopled" landscape. (Ge) Erde 95(1):26-35, map. Ref. 1964. 474 Er1  
English summary.  
Folklore and geography in Germany.
- 98146 HENDRIE, D. S. The West of Scotland Agricultural College. So. West Scotland Grassland Soc. J. 1(2):38-42. Mar.1963. 60.9 So82
- 98147 HEYNE, W. Better education of graduate farmers through one-year farm courses with production comparison. (Ge) Z. f. Agrarikon. 7(4):106-109. 1964. 281.8 Z3
- 98148 ILLINOIS. BOARD OF VOCATIONAL EDUCATION & REHABILITATION. Vocational education; annual report, July 1, 1962-June 30, 1963. Ill. Bd. Vocat. Educ. B. (ser.B) 193,111 p., map. Oct.1963. 275.9 IL62  
Chapter II is on agricultural education.



- 98149 JONES, M. Picture yourself as a home economics agent. *Kans. State U. Agr. Ext. L.* 167, 6 p.-folder. Apr.1964. 275.29 K13Le
- 98150 JONES, W. E. Advisory services today and tomorrow. *Span* 7(1):6-9. 1964. 464.8 Sp2  
National Agricultural Advisory Service of Great Britain.
- 98151 JOSHI, M. P. Demand for training films grows in India. *Multiplier Internatl. Devlpmt.* 4(10): 16-17. June 1964. 173.2 In8M
- 98152 KLIMASZEWSKI, J. Some remarks on correspondence courses of the Agriculture Faculty of SGGW [Szkola Główna Gospodarstwa Wiejskiego]. (Pol) *Nowe Roln.* 12(20):52-54. Oct.16/31,1963. 20.5 N86
- 98153 KRISTIANSSON, K. Interstate program exchange can benefit extension TV. *ACE (Amer. Ass. Agr. Coll. Editors)* 46(3):1-2. Nov./Dec. 1963. 238 Am33A
- 98154 KUHN, E. The Schweizerische Bauernmuseum in Wohlenschwil AG. (Ge) *Grune* 92(26):830-833. June 26,1964. 17 Sch9
- 98155 LAIS, R. The 48th DLG fair as a German and international agricultural show. (Ge) *Mitt. der Deut. Landwirt.-Gesell.* 79(22):789-790. May 28,1964. 18 N39
- 98156 LASKOWSKI, M. On collaboration of the communal agronomist with leading farmers of the community. (Pol) *Nowe Roln.* 12(19):53. Oct.1/15,1963. 20.5 N86
- 98157 LEDNAR, F. Contribution to the history of agricultural education in Slovakia. II. (Cz) *Agrikultura* 2:151-166. 1963. 19.5 Ag8  
German summary.
- 98158 LEITHEAD, C. S., and GUNN, E. R. The aetiology of cane cutters' cramps in British Guiana. *United Nations Educ. Sci. & Cult. Organ. Arid Zone Res.* 24:13-17. Ref. 1964. 278.9 Un3  
Includes discussion.
- 98159 LINDSTROM, D. E. Educational and vocational needs of rural youth: a pilot study. III. *Agr. Econ.* 4(2):11-17. July 1964. 281.9 IL6I
- 98160 LOFGREN, J. Communication through area meetings. *Crop Quality Council. Ext. Conf. Rpt.* 1963:73-74. 464.9 N813
- 98161 LORENCOWICZ, M. Further schooling for alumni of higher and secondary agricultural schools. (Poi) *Nowe Roln.* 12(19):54-55. Oct.1/15,1963. 20.5 N86
- 98162 MCCANNA, H. A. Goals and values in American agriculture: the Protestant program. In *Iowa State University Center for Agricultural and Economic Development. Farm goals in conflict*, p.112-128. 1963. 281.29 Io9
- 98163 MCCORMICK, T. J. After fifty years. *Vt. Farm & Home Sci.* 6(1):6-7.9. Summer 1963. 100 V593  
Vermont Extension Service history.
- 98164 MCKEOWN, R. M. Good rural health—everybody's business. *Region. Conf. Rur. Health. West. States, 4th Region. Conf.*:3-5. 1962. 448.9 R26
- 98165 MARKUS, M. Coats of arms and seals with an agricultural theme in the collection of the East Slovakian Museum in Kosice. (Cz) *Agrikultura* 2:217-227. 1963. 19.5 Ag8  
German summary.
- 98166 MAS SOLANES, R. DE. Agricultural education in rural schools. (Sp) *Cult. Mod.* 47(4):125-126. Apr.1964. 15 C89
- 98167 MATTHEWS, V. S. Panchayat industries; Orissa experiment. *Kurukshetra* 12(5):17-18. Feb. 1964. 281.28 K96  
Panchayat Raj.
- 98168 MICHAJLOW, W. On present didactic and educational goals of higher agricultural schools. (Pol) *Nowe Roln.* 12(20):1-4. Oct.16/31,1963. 20.5 N86
- 98169 MOODY, G. S. An extension study shows Virginia daily newspaper editors' knowledge varies widely on characteristics of agriculture. *ACE (Amer. Ass. Agr. Coll. Editors)* 46(3):5-6. Nov./Dec.1963. 238 Am33A
- 98170 MUNCH, S. The Institute for Tropical and Subtropical Agriculture. (Ge) Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed. 1(1):7-18. 1963. 26 L53  
Institut für Tropische und Subtropische Landwirtschaft at Karl-Marx-Universität Leipzig.
- 98171 MURPHY, W. D. School bells ring again for farmers and their wives. III. *Res.* 6(3):16. Summer 1964. 100 IL64  
Courses and workshops offered by Extension Service.
- 98172 NACKE, G. Qualifying of collective farm women. (Ge) *Z. f. Agrarokon.* 7(4):117-121. Ref. 1964. 281.8 Z3  
Education.
- 98173 NAINIE, M. Extension technique in home science. *Kurukshetra* 12(5):19-20. Feb.1964. 281.28 K96
- 98174 NETHERLANDS. RIJKSDIENST VOOR DE IJSSELMEERPOLDERS. Namen van boerderijen in de Noordoostpolder [Names of farms in the Noordoostpolder]. Van Zee tot Land 38, 94 p.,map. 1964. 54.8 V26
- 98175 OKLAHOMA. STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. AGRICULTURAL EXTENSION SERV. How to conduct a meeting. *Okla. State U. Agr. Ext. C.* E-633,32 p. 1964. 275.29 Ok41C
- 98176 O'ROURKE, E. W. Goals and values underlying programs of the Catholic Church in rural U.S.A. In *Iowa State University Center for Agricultural and Economic Development. Farm goals in conflict*, p.129-134. 1963. 281.29 Io9
- 98177 PETERSON, M. L. 50 years of Extension-research. *Calif. Agr.* 18(6):2. June 1964. 100 C12Cag
- 98178 RAHIM, S. A. Diffusion and adoption of agricultural practices; a study of the pattern of communication, diffusion and adoption of improved agricultural practices in a village in East Pakistan. *Comilla. Acad. Rur. Devlpmt. Tech. P.* 7,ed.2,slightly rev.,87 p.,map. Ref. Jan.1963. 281.9 C732
- 98179 RAJNOHA, S. For a further development of the Pol'nohospodarske a Lesnicke Muzeum UVTI-MZLVH. (Cz) *Agrikultura* 2:169-182, map. 1963. 19.5 Ag8  
German summary.
- 98180 REGIONAL CONFERENCE ON RURAL HEALTH; WESTERN STATES, 4, SACRAMENTO, 1962. Highlights. n.p., 1962. 42 p.,map. 448.9 R26  
Sponsored by Council on Rural Health, American Medical Association.
- 98181 RICHARD, A. Six minutes of reckoning a day too little! (Ge) *Agros [Hannover]* 3:22-24. Mar.1964. 18 Ag83  
Education in Lower Saxony.
- 98182 ROGEL, and PERROY, M. The center of administration of the Loire area. (Fr) *Potasse* 38(315):99-102. May/June 1964. 57.8 P84  
Extension work.
- 98183 ROSZCZYNIALSKI, Z. Practical training for advanced students. (Pol) *Nowe Roln.* 13(2):55-56. Jan.16/31,1964. 20.5 N86
- 98184 SAMTLEBEN, W. Extension work at the [DLG] fair. (Ge) *Mitt. der Deut. Landwirt.-Gesell.* 79(22):810. May 28,1964. 18 N39
- 98185 SCHMIDT, W. Tasks and problems of increasing production in the agricultural university curriculum. (Ge) *Z. f. Agrarokon.* 7(4):102-105. 1964. 281.8 Z3  
East Germany.
- 98186 SCHUM, R. Peace Corps gives chance to spread goodwill, U.S. ag know how! *Livestock Breeder J.* 6(7):86,188-189,192-195. July 1963. 49 L758
- 98187 SHONTZ, D. Agricultural education program expanded. *R. I. Agr.* 10(3):3. June 1964. 100 R342
- 98188 SIRSIKAR, V. M. Leadership patterns in rural Maharashtra. *Asian Survey* 4(7):929-939. July 1964. 280.8 As42  
Political.



- 98189 SPELTZ, G. H. Theology of rural life: a Catholic perspective. In Iowa State University Center for Agricultural and Economic Development. Farm goals in conflict, p.33-49. 1963. 481.29 Io9
- 98190 SUBRAMANIAM, S. Training for block level progress assistants. Kurukshetra 12(5):13-14. Feb.1964. 281.28 K96  
Personnel entrusted with implementation of community development idea.
- 98191 THOMPSON, T. Evaluation of an ethical basis. In Iowa State University Center for Agricultural and Economic Development. Farm goals in conflict, p.145-155. 1963. 281.29 Io9
- 98192 TOFT, H. I. Poultry farm management. EMB Bulletin 3(11):45. Oct.1963. 280.38 Eg3
- 98193 TULLY, J. New approach to agricultural extension. EMB Bulletin 3(11):39-41. Oct.1963. 280.38 Eg3
- 98194 U. S. OFF. OF EDUCATION, DIV. OF VOCATIONAL AND TECHNICAL EDUCATION. Digest of annual reports of State boards for vocational education to the Office of Education. Summary of statistical and financial information. Washington, 1963. 58 p. (OE-80008-62) 156.3 D562  
Agricultural education included.
- 98195 VARRO, J. Place and role of agricultural study groups in farm cooperatives. (Hu) Buvar 9(2): 67-71. Mar./Apr.1964. 410 B98
- 98196 VERES, J. 1964-1965 admissions of skilled worker apprentices and students in secondary schools organized in apprentice institutes: Hungary. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 231:8-16. Mar.4,1964. 173 J663Ste  
Translation from Mezogazdasagi Ertesito 15(4):56-59. Jan.22,1964.
- 98197 VOIGT, G. Twenty-fifth anniversary of the HLS [Hohere Landbauschule] Bruhl. (Ge) Agros [Hannover] 8(12):45. Dec.1963. 18 Ag83
- 98198 WEST VIRGINIA HOME DEMONSTRATION CLUBS. Annual report for the year 1963. n.p., 1964. 44 p.,map. 281.29 M52  
Library has also report for 1962.
- 98199 WINDERS, C. W. Advisory services are on the march. EMB Bulletin 3(11):41. Oct.1963. 280.38 Eg3
- 98200 YOUNG, H. H. A study of the duties of rural superintendents as affected by school district organization in Illinois and Tennessee. Diss. Abs. 24(12,pt.1):5161-5162. June 1964. 241.8 M58
- Leadership
- 98201 KLOSE, M. Personality and personality building of leaders of socialist farm holdings. (Ge) Z. f. Agrarokon. 7(4):112-117. Ref. 1964. 281.8 Z3
- Rural Organizations and Movements
- 98202 ALBERTA FEDERATION OF AGRICULTURE. Minutes; twenty-second annual meeting held in Edmonton, January 9,10,11,1963. Edmonton, 1963. 20 p. 7 AL17M
- 98203 BOULDING, K. E. Agricultural organizations and policies: a personal evaluation. In Iowa State University Center for Agricultural and Economic Development. Farm goals in conflict, p.156-166. 1963. 281.29 Io9
- 98204 BRANDSBERG, G. The two sides in NFO's battle. Ames, Iowa State U. Press, 1964. 301 p. 4 B73
- 98205 CALIFORNIA STATE GRANGE. Journal of proceedings, 90th annual session, Santa Monica, Calif., 1962. n.p., 1963? 208 p. 4 C123
- 98206 CALIFORNIA STATE GRANGE. Journal of proceedings, 91st annual session, Santa Rosa, Calif., 1963. n.p.,1963? 192 p. 4 C123
- 98207 DRUMHELLER DISTRICT AGRICULTURAL SOCIETY. Calendar for 1963. n.p., 1963? 52 p. 7 D84
- 98208 GRYSIAK, J. Concentration of equipment in the agricultural circles: Poland. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 230:1-8. Feb.29,1964. 173 J663Ste  
Translation from Nowe Rolnictwo 1:10-13. Jan.1964.
- 98209 HAMILTON, W. E. Goals and values underlying Farm Bureau policies. In Iowa State University Center for Agricultural and Economic Development. Farm goals in conflict, p.64-76. Ref. 1963. 281.29 Io9
- 98210 IRISH AGRICULTURAL ORGANISATION SOCIETY. Report for 1963. Dublin, 1964? 89 p. 10 Ir42
- 98211 JONES, E. Principles on which youth clubs work is based. (Sp) Ext. en las Amer. 8(2):3-6. 1963. 275.249 Ex8
- 98212 KOCH, K. A. 4-H best community club contest. La. U. Agr. Ext. P. 1382,4 p. Apr. 1964. 275.29 L93Ep
- 98213 KONINKLIJK GENOOTSCHAP VOOR LANDBOUWWETENSCHAP (NETHERLANDS). Annual report 1963. (Du) Landbk. Tijdschr. 76(1): 44-46. Jan.1964. 105.2 Or3
- 98214 MINNESOTA STATE GRANGE. Proceedings, 91st annual session, Park Rapids, Minn., Oct. 15-17, 1963. n.p., 1963? 87 p. 4M662
- 98215 NATIONAL FARMERS UNION, 1964 policy. Denver, 1964. 36 p. 280.28 F222N  
Library has also 1963 statement.
- 98216 ONTARIO AGRICULTURAL SOCIETIES. Annual report, 109th, 1962. n.p., 1963? 119 p. 7 On8Ag
- 98217 ONTARIO PLOWMEN'S ASSOCIATION. Annual report, 51st, 1962. n.p., 1963. 59 p. 7 On84
- 98218 PAJUELO STORCK, H. Youth agricultural clubs in Peru. (Sp) Agronomia [Lima] 30(2): 82-87. 1963. 9.8 Ag83
- 98219 ROYAL JERSEY AGRICULTURAL AND HORTICULTURAL SOCIETY. Annual report for 1963. St. Helier, 1963? 108 p. 10 J48
- 98220 SJOLUND, E. O. Cooperation agricultural societies—agricultural boards. (Sw) Gavleborgs Lans Hushallsk. Lantbrtidskr. 40(1): 8-11. 1964. 11 G24L
- 98221 SOCIEDAD NACIONAL AGRARIA. Memoria [Report], 1962-1963. Lima, 1963. 202 p. 9.8 So11
- 98222 SOCIETE NATIONALE DE LA PETITE PROPRIETE TERRIENNE. Rapports, exercice 1963 [Reports, 1963 season]. Bruxelles, 1964. 136 p.,map. 13 So14
- 98223 STALEY, O. L. The National Farmers Organization. In Iowa State University Center for Agricultural and Economic Development. Farm goals in conflict, p.103-111. 1963. 281.29 Io9
- 98224 SVERIGES LANTBRUKSFORBUND. Arsredovisning [Annual report], 1963. Stockholm, 1964. 104 p. 11 Sv28
- 98225 WISER, V. D. The movement for agricultural improvement in Maryland, 1785-1865. Diss. Abs. 24(12,pt.1):5372. June 1964. 241.8 M58
- Cooperative Organizations
- 98226 AIISO, S. The cooperative operations of an orange growing cooperative. (Ja) Kajitsu Nippon 19(3):34-36. Mar.1964. 80 K122
- 98227 BAKKEN, H. H. Basic concepts, principles and practices of cooperation. Madison, Mimir Pub., 1963. 104 p. 280.2 B172B
- 98228 HORNSLIEN, J. A new type of farmers' co-operatives. Sociol. Rur. 4(2):116-125. 1964. 281.29 So12  
Norway.
- 98229 HUNDT, W. Self help of the German agriculture through organization of processing and marketing. (Ge) Lebendige Erde 5:218-222. Sept./Oct.1963. 18 L49
- 98230 KENYA, DEPT. OF CO-OPERATIVE DEVELOPMENT. Annual report, 1962. n.p., 1964. 42 p. 280.29 K422



- 98231 LEBEAU, O. R. Directors' roles rounded out at member relations meetings. *News Farmer Coop.* 31(5):5. Aug. 1964. 166.2 N47  
Conferences and programs of cooperatives.
- 98232 MANGEART. Cooperation must be affirmed as a dynamic element, factor of progress and prosperity. (Fr) *Inform. et Doc. Agr.* 18(8): 11,13. Apr. 15, 1964. 14 In32
- 98233 MANUEL, M. L. Improving management of farmer cooperatives. U. S. Farmer Coop. Serv. Gen. Rpt. 120,47 p. Ref. June 1964. A280.29 F22G
- 98234 MATHER, J. W. Supply co-ops strive for low farm costs. *News Farmer Coop.* 30(10):22,27-30. Jan. 1964. 166.2 N47
- 98235 MAZZARELLA, P. Cooperation in recent agricultural policy developments. (It) B. dell'Agr. 98(11):1-4. May 29, 1964. 16 B87
- 98236 MULLER, G. Vertical integration in agricultural cooperatives of the German Federal Republic. (Fr) *Inform. et Doc. Agr.* 18(10):44-46, 48-51. May 15, 1964. 14 In32
- 98237 NATIONAL COUNCIL OF FARMER COOPERATIVES. Blue book, official yearbook, 1964. Natl. Council Farmer Coop. Blue Book 31,48 p. 1964. 280.29 N21
- 98238 RODRIGUES LOPES, D. L. Cooperation and cooperation forms in agriculture. (Du) *Pacht* 24(5):98-115. May 1964. 282.8 P11
- 98239 ROY, E. P. Cooperatives: today and tomorrow. Danville, Ill., Interstate, 1964. 590 p., map. Ref. 280.29 R81
- 98240 SCHATZ, The Groupe La Fayette, first stocker of France. (Fr) *Inform. et Doc. Agr.* 18(8): 15-17, 19-21. Apr. 15, 1964. 14 In32  
Cooperatives.
- 98241 STANTON, B. UCO—a Canadian cooperative with stretch. *News Farmer Coop.* 31(5):8-12. Aug. 1964. 166.2 N47  
United Co-operatives of Ontario.

## RURAL SOCIAL PSYCHOLOGY

- 98242 BURCHINAL, L. The issues in farm goals and values. In Iowa State University Center for Agricultural and Economic Development. *Farm goals in conflict*, p.8-14. 1963. 281.29 Io9
- 98243 COCHRANE, W. W. Beliefs and values underlying agricultural policies and programs. In Iowa State University Center for Agricultural and Economic Development. *Farm goals in conflict*, p.50-63. 1963. 281.29 Io9
- 98244 HACKER, A. An evaluation by a political scientist. In Iowa State University Center for Agricultural and Economic Development. *Farm goals in conflict*, p.184-187. 1963. 281.29 Io9
- 98245 HOBBLE, D. Play and your child's development. *Kans. State U. Agr. Ext. C.* 328,12 p. Ref. May 1964. 275.29 K13Ex
- 98246 IOWA STATE UNIVERSITY CENTER FOR AGRICULTURAL AND ECONOMIC DEVELOPMENT. *Farm goals in conflict; family farm, income, freedom, security.* Ames, Iowa State U. Press, 1963. 251 p. Ref. 281.29 Io9  
Report of a seminar.  
Preview by D. F. Hadwiger and E. O. Haroldsen.
- 98247 LAMPMAN, R. J. Goals for the American economy. In Iowa State University Center for Agricultural and Economic Development. *Farm goals in conflict*, p.94-102. 1963. 281.29 Io9
- 98248 NEWSOM, H. D. Goals and values underlying programs of the Grange. In Iowa State University Center for Agricultural and Economic Development. *Farm goals in conflict*, p.87-93. 1963. 281.29 Io9
- 98249 RAMBAUD, P. Revolts and agricultural revolution in France. (Fr) *Sociol. Rur.* 4(2):101-115. Ref. 1964. 281.29 So12  
English summary.  
Attitudes.
- 98250 RAULIN, H. Peasant psychology in the Tropics. (Fr) *Paris. Ecole Prat. des Hautes Etudes. Sixieme Sect. Sci. Econ. et Soc. Etudes Rur.* 7:58-82. Ref. Oct./Dec. 1962. 281.9 P21

- 98251 ROHDE, G. Goals and values underlying programs of Farmers Union. In Iowa State University Center for Agricultural and Economic Development. *Farm goals in conflict*, p.77-86. 1963. 281.29 Io9

## TRADE, FOREIGN AND INTERNATIONAL

- 98252 ATLAS, M. Citrus standards and the "OECD Scheme." *Agr. Israel* 9(4):47-46. Jan. 1964. 22.5 Ag825
- 98253 BAROCAS, S. Trend of Italian exports of tomato products. (It) *Mostra Internaz. delle Conserve ed Imballaggi. Cong.* 18:177-182. Sept. 20/30, 1963. 389.9 M854
- 98254 BJARNASON, H. F. International trade in cattle and beef products with emphasis on the effects of the European Economic Community on the South Dakota economy. S. Dak. Agr. Expt. Sta. Agr. Econ. Pam. 120,181 p. Ref. July 1964. 281.9 So86  
Thesis—South Dakota State University.
- 98255 BOGUMILL, J. P., and GOOLSBY, O. H. Financial procedures under Public Law 480; emphasis on Titles I and IV of the Agricultural Trade Development and Assistance Act. U. S. D. A. *Foreign Agr. Econ. Rpt.* 17,20 p. May 1964. A281.9 Ag8F  
Includes price support program.
- 98256 BROWNELL, R. W. A. senior dairy produce inspector reviews and comments on the State's exports. *Butter Fat & Solids (n.s.)* 6(2):89. June 1964. 44.8 B985
- 98257 BURMA. CENTRAL STATISTICAL & ECONOMIC DEPT. Bulletin of export trade; October-December 1962, and progressive totals for January to December 1962. Rangoon, 1963. 90 p. (Statistical paper No. 1) 269.545 St2
- 98258 CARPENTER, G. A. The gates for agricultural imports remain open in the United States. *Calif. Cattleman* 47(6):16-17. June 1964. 43.8 C12
- 98259 CASONATO, G. Agriculture is called upon to sacrifice itself upon the altar of the economic miracle to even out the deficit of the balance of payments. (It) *Gior. dei Pollicolt.* 13(12): 118,120,122-129. Dec. 1963. 47.8 G43  
Agricultural policy, subsidies, and trade in various countries of Europe and the United States and the policy of the European Economic Community.
- 98260 CHATAM, M. The possibilities of exporting mirabelle plums and black currants. (Fr) *Marches Europeens des Fruits et Legumes* 27 (570):4. July 2, 1964. 286.83 M33  
Text also in German, p.5.
- 98261 CONTRACTING PARTIES TO THE GENERAL AGREEMENT ON TARIFFS AND TRADE. *International trade 1962.* Geneva, 1963. 160 p. 286.9 C767
- 98262 CREWS, F. Sales-for-export program of extra long staple cotton further SuPima success. *Cotton Digest* 36(47):17. July 25, 1964. 286.82 C822
- 98263 DANIELS, J. H. Freeing of trade will bring better allocation of world resources. *Soybean Digest* 24(9):14-16. July 1964. 60.38 So9  
Primarily soybeans.
- 98264 DE BOINVILLE, C. Europe is turning more heavily to seed oils. *Soybean Digest* 24(9):17. July 1964. 60.38 So9
- 98265 DELOACH, D. B., and STEFFEN, E. The export market for California grapes. *Calif. U. Agr. Ext. Inform. Ser. Agr. Econ.* 64-2,34 p. Jan. 1964. 275.29 C12I  
Published jointly with California Agricultural Experiment Station.
- 98266 EMMENTAL AG, ZOLLIKOFEN. *Geschäftsbericht, 1 Juli 1962-30 June 1963* [Management report, July 1, 1962-June 30, 1963]. Zollikofen, 1963. 44 p. 44.9 Em6  
Trade.



- 98267 ERIKSSON, B. Unusual market situation for dairy products, 1963. (Sw) *Lantmannen* 75(4): 111,116. Jan.25,1964. 11 L234  
Western Europe.
- 98268 FAZIO, G. English imports of processed horticultural products. (It) *Prog. Agr.* [Bologna] 10(1):47-58. Jan.1964. 58.8 P94
- 98269 FISCHER, W. Reorientation of the U.S.A. foreign trade policy; the importance of the Trade Expansion Act. (Ge) *Agros* [Hannover] 3:29, 31-32. Mar.1964. 18 Ag83
- 98270 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. The stabilization of world trade in coarse grains; a consideration of the underlying economic issues. Food & Agr. Organ. United Nations. FAO Comm. Policy Studies 14, various paging. 1963. 281.9 F733C
- 98271 FOREIGN trade aspects of the economic development plans of ECAFE countries. United Nations. Econ. Comm. Asia & Far East. Econ. B. Asia & Far East 14(1):1-28. Ref. June 1963. 280.9 Un3653
- 98272 FREEMANN, O. L. Division of markets and promotion of multilateral trade. (Ge) *Agros* [Hannover] 1:4-5. Jan.1964. 18 Ag83
- 98273 FUJITA, S. The present situation of American chick importation in Shizuoka Prefecture. (Ja) *Niwatori-no-Kenkyu* 38(6):109-112. June 1963. 47.8 N64
- 98274 GIANELLI, A. Danish butter trade. (Da) *Mælkeritidende* 77(24):475-479. June 12, 1964. 44.8 M26
- 98275 GROEBEN, H. VON DER. The capital market in the European economy. (Fr) *Confed. Internat. du Credit Agr. Assemblee Gen.* 8:405-425. 1962. 284.29 C765Pa  
With reference to trade in the European Economic Community.
- 98276 GROSSERER-SOCIETETETS KOMITE. Handelsberetning [Trade report], 1963. Kobenhavn, 1964. 257 p. 287 C79  
Includes farm products.
- 98277 HANSEN, O. New markets for poultry export. (Da) *Slagtefjerkrae* 3(2):24-27. Jan.31, 1964. 47.8 SL1
- 98278 HARADA, J. A discussion of American broilers. (Ja) *Japan Poultry J.* 48(4):111-113. Apr.1963. 47.8 J27
- 98279 HASSELBACH, W. VON. European Common Market forces Europe to advertise. (Ge) *Raiffeisen-Rundschau* 16(1):19-21. 1964. 284.28 R132
- 98280 HAYASHI, Y. Japanese oranges in Canada. (Ja) *Kajitsu Nippon* 19(4):20-23. Apr.1964. 80 K122
- 98281 HIGAKI, T. The establishment of a fundamental production attitude. (Ja) *Niwatori-no-Kenkyu* 39(1):26-27. Jan.1964. 47.8 N64  
Poultry trade.
- 98282 HOLLAND, J. G., and EMBREE, W. D. Cattle-men answer importers. *Amer. Cattle Prod.* 46(2):6-7,19-20. July 1964. 49 P94  
Beef trade.
- 98283 HORIN, Y. Market trends. *Agr. Israel* 9(4): 47. Jan.1964. 22.5 Ag825  
Citrus trade.
- 98284 HOUSE, B. Increased meat imports hurting cattlemen. *Kans. Stockman* 44i.e.49(6):10,52-53. Apr.1964. 49 K134
- 98285 HUME, D. L. How to build a foreign market for U.S. turkeys. *Turkey World* 38(12):72-73. Dec.1963. 47.38 T84
- 98286 HUTCHINSON, W. B. Price-risk element in cotton trading. *Empire Cotton Growing Rev.* 39(4):280-285. Oct.1962. 72.8 Em7
- 98287 INTER-AMERICAN ECONOMIC AND SOCIAL COUNCIL. Second annual meetings of the IA-ECOSOC at the expert level and at the ministerial level October-November 1963, Sao Paulo, Brazil; final report of the second meeting of the special committee on basic products (includes documents prepared by the secretariat and presented during the meeting of the committee). Washington, 1963. 124 p. 286.9 In83Ae  
Trade.
- 98288 ISHIDA, S. The foreign fruit offensive against Japan. (Ja) *Kajitsu Nippon* 19(3):18-20. Mar. 1964. 80 K122
- 98289 JOHANSEN, R. L. Richard Reuter: making American farm abundance serve the world. *Co-op Grain Q.* 22(1):33-37. Spring 1964. 280.28 C7898  
Director of the Food and Peace Program.
- 98290 KAAI, T. The export of oranges to Canada. (Ja) *Kajitsu Nippon* 19(2):46-47. Feb.1964. 80 K122
- 98291 KARASAWA, S. The situation of the trade of chicks, table poultry and eggs. (Ja) *Niwatori-no-Kenkyu* 39(4):49-58. Apr.1964. 47.8 N64
- 98292 KLOTSCHER, T. Decision of the council of ministers of the EEC concerning the application of the protective clause for apples. (Ge) *Obstbauversring. des Alten Landes. Mitt.* 19(1): 42-43. Jan.1964. 85 J76
- 98293 KRAVIS, I. B. Domestic interests and international obligations; safeguards in international trade organizations. Philadelphia, U. Pa. Press, 1963. 448 p. 285 K85  
Includes references to agriculture.
- 98294 LEE, S. Y. Selling Thai rice. *Far East. Econ. Rev.* 45(1):20-21. July 2, 1964. 280.8 F223
- 98295 LOFFMAN, D. General partlotting needed to combat foreign pelt flood. *Amer. Fur. Breeder* 37(5):19,30. May 1964. 410 Am33  
Mink furs.
- 98296 MCMILLAN, C. W. Europe can use our beef! *Feedlot* 6(7):48-50. July 1964. 43.8 F32
- 98297 MENON, T. S. Cashew kernels: quality control on exports. *J. Indus. & Trade* 14(3):425-426. Mar.1964. 286.8 J824
- 98298 MICONI, G. Foreign trade in the last 10 years (1954-1963). *Rev. Econ. Cond. Italy* 18(2):83-98. Mar.1964. 280.8 R3236
- 98299 MIYAZAKA, G. Japan poultry raising facing the liberalization of trade. (Ja) *Niwatori-no-Kenkyu* 38(11):35-40. Nov.1963. 47.8 N64
- 98300 MONTROYA, C. E. Wheat imports, a fiscal resource. (Sp) *Rev. Nac. de Agr.* 703:29-30. Nov.1963. 9.4 R32  
Colombia.
- 98301 NAKAKAWA, K. Fluctuations in the importation of poultry. (Ja) *Japan Poultry J.* 49(2): 75-76,79-81. Feb.1964. 47.8 J27
- 98302 NOUYRIT, H. Common agricultural market, crisis of confidence. (Fr) *Econ. Devlpmt. & Cult. Change* 20(922):10. July 10, 1964. 280.8 Ec726
- 98303 OHASHI, Y. How to cope with the invasion of American broilers into our country's eating chicken world. (Ja) *Japan Poultry J.* 48(4):30-34,37-39. Apr.1963. 47.8 J27
- 98304 PANT, Y. P. Nepal's recent trade policy. *Asian Survey* 4(7):947-957. July 1964. 280.8 As42
- 98305 PARAN, M. Marketing citrus by-products. *Agr. Israel* 9(8):50. May 1964. 22.5 Ag825  
Trade.
- 98306 PARRY, S. P. International trade in dairy products. *Tenn. Farm & Home Sci. Prog. Rpt.* 50:6-9, map. Apr./June 1964. 100 T25F
- 98307 PASSAMONTI, G. The general entrance tariff on poultry raising. II. (It) *Avicoltura* 33(2):97-103. Feb.1964. 47.8 R523
- 98308 PETIT-LAURENT, J. Remarks on the basic decisions of the European Economic Community concerning the organization of fats and oils market. (Fr) *Oleagineux* 19(6):373-379. June 1964. 77.8 OL2
- 98309 PIOTROWSKI, M. L. Economic contradictions in the process of Western European integration. *Ark. Acad. Sci. Proc.* 17:78-87. Ref. 1963. 500 Ar42
- 98310 PLACENNER, J. The export circuit of our winter vegetables. (Fr) *Fructidor* 33(5):2-3. Jan.30, 1964. 286.83 F9423
- 98311 RABIA, J. DE. Oranges should travel on wings. (Ge) *Fruchthandel* 28:1061,1063-1065. July 1964. 286.83 F9428  
Trade.



- 98312 RASMUSSEN, P. Scandinavian mink 1963-1964. Fur Trade J. Canada 41(3):10-11. Nov.1963. 410 F965 Trade.
- 98313 RAUTENBERG, B. Is the export of apples from the Netherlands losing in importance? (Ge) Obstbauversring. des Alten Landes. Mitt. 18(10):379-381. Oct.1963. 85 J76
- 98314 SACHS, M. Prolonging the export season. Agr. Israel 9(4):47. Jan.1964. 22.5 Ag825 Citrus.
- 98315 SAITO, T. Menkora and the American chicks. (Ja) Japan Poultry J. 48(5):30-33. May 1963. 47.8 J27 Poultry trade.
- 98316 SALA ESCOLIES, E. The latest adventure of Spanish olive oil. (Sp) Inst. Agr. Catalan de San Isidro. Rev. 112(8):118-120. Aug.1963. 15 Sa5 Trade.
- 98317 SCHILLING, G. A. W. How U. S. cotton is sold for export. U. S. Foreign Agr. Serv. FAS-M-71, rev., 51 p. June 1964. A281.9 F76Fm Agricultural Trade Development and Assistance Act of 1954, as amended.
- 98318 SERRE, J. L. Development of international grain exchanges and French repercussions. (Fr) Inform. et Doc. Agr. 18(11):21-30. June 1, 1964. 14 In32
- 98319 SINGH, R. Agricultural commodities in India's export trade. J. Indus. & Trade 14(3):474-477. Mar.1964. 286.8 J824
- 98320 STANLEY, A. O. Handbook of international marketing; how to export, import, and invest overseas. New York, McGraw-Hill, 1963. 680 p. 286 St2H
- 98321 TAKENAKA, K. The national policy on importation of broilers. (Ja) Niwatori-no-Kenkyu 39(5):88-93. May 1964. 47.8 N64
- 98322 TANAKA, K. The foreign chicks imported exceed 1,220,000. (Ja) Niwatori-no-Kenkyu 39(3):26-30, map. Mar.1964. 47.8 N64
- 98323 TIEMSTRA, N. Netherlands dairy exports 1950/'62. (Du) Misset's "Zuivel" 69(44):1100-1101, 1103, 1105-1108. Oct.29, 1963. 44.8 N282
- 98324 TURKOWSKI, T. Fiftieth anniversary of export of the Polish bacon. (Pol) Przegl. Hodowlany 31(2/3):11-13. Feb./Mar.1963. 49 P952 Includes policies and standards for bacon type swine.
- 98325 UMSTOTT, H. D. Public Law 480 and other economic assistance to United Arab Republic (Egypt). U. S. D. A. Econ. Res. Serv. ERS-Foreign-83, 34 p., map. Ref. June 1964. A281.9 Ag83 Agricultural Trade Development and Assistance Act of 1954, as amended.
- 98326 U. S. BUR. OF INTERNATIONAL COMMERCE. United States foreign trade January-December 1963. U. S. Bur. Internatl. Com. Overseas Business Rpt. OBR-64-43, 28 p. May 1964. 157.54 Ov2
- 98327 U. S. BUR. OF INTERNATIONAL COMMERCE. United States trade with major world areas, January-December, 1963. U. S. Bur. Internatl. Com. Overseas Business Rpt. OBR-64-48, 15 p. May 1964. 157.54 Ov2
- 98328 U. S. CONGRESS. SENATE. COMMITTEE ON COMMERCE. Pacific trade patterns. Hearings 88th Cong., 1st sess. on trade patterns in the Pacific area, April 17 and 18, 1963, Washington, D. C., May 20, 1963, Los Angeles, Calif., May 23, 1963, San Francisco, Calif. Washington, 1963, 240 p. 286 Un32P
- 98329 U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. U. S. foreign agricultural trade by countries fiscal year 1962-63; a supplement to the monthly Foreign Agricultural Trade of the United States. n.p., 1964. 82 p. A286.9 Ag8Fco
- 98330 U. S. FOREIGN AGRICULTURAL SERV. Prospects for foreign trade in dairy cattle and dairy and poultry products. Washington, 1964. 19 p. Ref. A286.9 F76P
- 98331 U. S. FOREIGN AGRICULTURAL SERV. Prospects for foreign trade in wheat, rice, feed grains, dry peas, dry beans and seeds. Washington, 1964. 29 p. A286.9 F76Prf
- 98332 U. S. FOREIGN AGRICULTURAL SERV. U. S. grain exports under government programs, 1962-63; wheat and flour, coarse grains, rice. U. S. Foreign Agr. Serv. FAS-M-142, rev., 15 p. May 1964. A281.9 F76Fm
- 98333 WARD, A. B. Increased exports; the role of agriculture and industry. Massey Agr. Col. Dairyfarming Annu. 1963:97-115. 44.9 M382
- 98334 WINNIGSTEDT. Import-export of live cattle and beef. (Ge) Tierzuchter 16(8):267-268. Apr.20, 1964. 49 T445
- 98335 YAMANAKA, K. The whirlwind of American chicks. (Ja) Niwatori-no-Kenkyu 38(3):24-30. Mar.1963. 47.8 N64 Poultry trade.
- 98336 YOSHIOKA, J. Welcoming the inroads of foreign chicks. (Ja) Niwatori-no-Kenkyu 38(7):26-28. July 1963. 47.8 N64
- 98337 ZUCCARELLO, G. Competition of Portuguese tomato paste. (It) Mostra Internaz. delle Conserve ed Imballaggi. Cong. 18:189-190. Sept.20/30, 1963. 389.9 M854





## FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

## GENERAL

- 98338 ABAD GAWIN, M. Mountain troops' nutrition. Armed Forces Internation Nutr. Conf. [Proc.] 5th Conf.:394-402. 1962,pub.1963. 173.3 In89A
- 98339 ALI, S. M., and MILLER, D. S. Effect of various supplements on the protein value of Pakistani diets. Pakistan J. Sci. & Indus. Res 6(4): 297-299. Ref. Oct.1963. 475 P174
- 98340 ALI, S. M., and MILLER, D. S. Protein values of Pakistani diets and meals. Pakistan J. Sci. & Indus. Res. 6(4):290-294. Oct.1963. 475 P174
- 98341 ALI, S. M., and MILLER, D. S. Protein values of Pakistani diets at different levels of caloric intake. Pakistan J. Sci. & Indus. Res. 6(4):295-296. Oct.1963. 475 P174
- 98342 ARMED FORCES INTERNATIONAL NUTRITION CONFERENCE, 5, MADRID, 1962. Proceedings. Madrid, 1963. 447 p. 173.3 In89A  
U. S. Interdepartmental Committee on Nutrition for National Defense and Alto Estado Mayor of Spain, cooperating.
- 98343 BARTON, J. A. Desserts for all occasions. Va. Polytech. Inst. Agr. Ext. C. 911,rev.,11 p. Apr.1964. 275.29 V81C
- 98344 BAYKA, I. Nutrition problems and program in Turkey—armed forces. Armed Forces Internation Nutr. Conf. [Proc.], 5th Conf.:42-66. 1962,pub.1963. 173.3 In89A
- 98345 BLONDIN, J., and TURNER, I. M. Fuel up your spaceship with foods and nutrition. La. U. Agr. Ext. P. 1353,32 p. Feb.1964. 275.29 L93Ep  
4-H Foods and Nutrition Unit 1.
- 98346 CAMERON, J. L. Outdoor meals! Va. Polytech. Inst. Agr. Ext. B. 225,rev.,11 p. May 1964. 275.29 V81B  
Includes recipes.
- 98347 CAMPBELL, V. A. The 24-hour recall as a method for collecting dietary information from groups of older people. Diss. Abs. 24(12,pt.1): 5373-5374. June 1964. 241.8 M58
- 98348 CARRASCO, E. O. Nutrition councils, through my sunglasses. Philippine J. Nutr. 16(4):35-41. Oct./Dec.1963. 389.8 N9524
- 98349 CHAUDHURI, R. N. Malnutrition among children in the Tropics. Roy. Soc. Trop. Med. & Hyg. Trans. 57(6):448-457. Nov.1963. 448.9 R813  
India.
- 98350 CHICHESTER, C. O. Food technological problems in adverse environments. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 22(6,pt.1):1447-1450. Ref. Nov./Dec.1963. 442.9 F31P  
In space flight.
- 98351 CUNNINGHAM, M., and others. Cookies for children. Mo. Agr. Col. Ext. C. 802,10 p. Apr. 1964. 275.29 M69C  
L. G. Maharg, R. Upchurch, and R. E. Baldwin, joint authors.  
Recipes.
- 98352 DONALDSON, B., and PROUD, D. Selecting, arranging and using facilities for school lunch programs. Wis. Agr. Expt. Sta. B. 567,24 p. Ref. June 1964. 100 W75
- 98353 FERRO-LUZZI, G., and others. The nutritional status of the Italian school community. VI. (It) Quaderni della Nutr. 23(3):127-146. Ref. May/June 1963. 389.8 Q2  
L. Termine, A. Fulci, and M. P. Romeo, joint authors.  
English summary.
- 98354 FIELD, H. E. Foods in health and disease; a practical guide. New York, Macmillan, 1964. 214 p. 389.1 F45
- 98355 FOLLIS, R. H. Studies on iodine nutrition in Thailand, Washington, D. C., and Jamaica, B. W. I. Armed Forces Internation Nutr. Conf. [Proc.], 5th Conf.:184-187. 1962,pub.1963. 173.3 In89A
- 98356 GUTIERREZ MENDIOLA, R. Problems and schedules of the Department of Nutrition of the Army Preventive Medical and Health Institute. Armed Forces Internation Nutr. Conf. [Proc.], 5th Conf.:97-100. 1962,pub.1963. 173.3 In89A  
Spain.
- 98357 HEGSTED, D. M. Variation in requirements of nutrients—amino acids. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 22(6,pt.1):1424-1430. Ref. Nov./Dec.1963. 442.9 F31P  
In space flight.
- 98358 ISRAEL SOCIETY OF FOOD AND NUTRITION SCIENCES. Proceedings (summaries), Jerusalem, 1963. Israel J. Technol 1(2):57-67. Dec. 1963. 475 Is72
- 98359 JOHNSON, R. E. Caloric requirements under adverse environmental conditions. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 22(6,pt.1):1439-1446. Ref. Nov./Dec.1963. 442.9 F31P  
In space flight.
- 98360 KUMMEROW, F. A. The role of polyunsaturated fatty acids in nutrition. Food Technol. 18(6): 49-53. Ref. June 1964. 389.8 F7398
- 98361 LAUERSEN, F. Appraisal of the functional value of the soldier's diet. Armed Forces Internation Nutr. Conf. [Proc.], 5th Conf.:144-163. 1962,pub.1963. 173.3 In89A  
Germany.
- 98362 LUYKEN, R. Biochemical criteria of under-nutrition. (Du) Chem. Weekbl. 60(7):81-90. Ref. Feb.15,1964. 385 C42
- 98363 MCDOWELL, M. E., and LEVEILLE, G. A. Feeding experiments with algae. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 22(6,pt.1):1431-1438. Ref. Nov./Dec.1963. 442.9 F31P  
In space flight.
- 98364 MAHMOOD, M. R. Nutrition problems and programme in Pakistan armed forces. Armed Forces Internation Nutr. Conf. [Proc.], 5th Conf.:22-35. 1962,pub.1963. 173.3 In89A
- 98365 MAYOR ROJAS, T., and MENDEZ GOMEZ, J. I. Nutrition problems and programs in Colombia S.A. Armed Forces Internation Nutr. Conf. [Proc.], 5th Conf.:75-85. 1962,pub.1963. 173.3 In89A  
Includes discussion.
- 98366 MILLER, E. L. Herbs and spices; let's season with a reason. Kans. State U. Agr. Ext. C. 324, 21 p. Apr.1964. 275.29 K13Ex
- 98367 MORANTE MIRANDA, J. M. Problems and schedules of nutrition in Peru. Armed Forces Internation Nutr. Conf. [Proc.], 5th Conf.:67-69. 1962,pub.1963. 173.3 In89A
- 98368 MORRIS, E. Why minerals mean much to us. Miss. State U. Agr. Ext. P. 470,6 p.-folder. Nov.1963. 275.29 M68Ext  
Human nutrition.
- 98369 NUTRITION symposium: food and nutritional problems in prolonged space travel. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 22(6,pt.1): 1424-1459. Ref. Nov./Dec.1963. 442.9 F31P
- 98370 PARKER, M. A., and MERROW, S. B. A look at some teen-agers' breakfasts. Vt. Farm & Home Sci. 6(1):8-9. Summer 1963. 100 V593
- 98371 RANDOLPH, B. Food for tots. Ark. U. Agr. Ext. C. 522,9 p. May 1964. 275.29 Ar4
- 98372 RANDOLPH, B. Make your own mixes. Ark. U. Agr. Ext. L. 195,rev.,6 p.-folder. June 1964. 275.29 Ar4Le
- 98373 ROSS, M. A. An applied nutrition program in action. Canad. Nutr. Notes 20(1):1-6. Jan. 1964. 389.9 C168  
Basutoland.
- 98374 SALCEDO, J. Trends and goals in nutrition research. Philippine J. Nutr. 17(1):32-37. Jan./Mar.1964. 389.8 N9524
- 98375 SARRAIS DEL ALCAZAR, M. Food problems and programs of the Spanish armed forces. Armed Forces Internation Nutr. Conf. [Proc.], 5th Conf.:86-96. 1962,pub.1963. 173.3 In89A  
Includes discussion.



- 98376 SAVIANO, M. Life and foods. (It) Quaderni della Nutr. 23(3):147-182. May/June 1964. 389.8 Q2  
Human nutrition.
- 98377 SCHAEFER, A. E. Assessment of nutritional status. Armed Forces Internation Nutr. Conf. [Proc.], 5th Conf.:116-143. 1962, pub. 1963. 173.3 In89A  
Includes discussion.
- 98378 SHAMS, M. A. Nutritional problems and the improvement of the nutritional status of the Iranian armed forces. Armed Forces Internation Nutr. Conf. [Proc.], 5th Conf.:36-41. 1962, pub. 1963. 173.3 In89A
- 98379 SHERMAN, W. C. Vitamin B6. Food & Nutr. News 35(4):3. Jan. 1964. 389.8 F7332  
In human nutrition.
- 98380 U. S. AGRICULTURAL RESEARCH SERV. CONSUMER AND FOOD ECONOMICS RESEARCH DIV. Eat a good breakfast to start a good day. U. S. D. A. L. 268, rev. 8 p.-folder. June 1964. 1 Ag84L
- 98381 VIVANCO BERGAMIN, F. Nutrition problems and programs in the Spanish civil population. Armed Forces Internation Nutr. Conf. [Proc.], 5th Conf.:101-114. 1962, pub. 1963. 173.3 In89A  
Includes discussion.
- 98382 WILSON, C. S., and others. A review of methods used in nutrition surveys conducted by the Interdepartmental Committee on Nutrition for National Defense (ICNND). Amer. J. Clin. Nutr. 15(1):29-44. Ref. July 1964. 389.8 J824  
A. E. Schaefer, W. J. Darby, E. B. Bridgforth, W. N. Pearson, G. F. Combs, E. C. Leatherwood, J. C. Greene, L. J. Teply, I. C. Flough, W. J. McGanity, D. B. Hand, Z. I. Kertesz, and C. W. Woodruff, joint authors.
- FOOD HABITS**
- 98383 AGUILLON, D. B., JOSE, A. M., and VALDE-CANAS, O. C. Pretesting a guide for studies on food habits. Philippine J. Nutr. 17(1):22-31. Jan./Mar. 1964. 389.8 N9524
- 98384 CLUFF, H. N. Cross-cultural food problems of Iranian college students. Diss. Abs. 24(12, pt. 1):5374. June 1964. 241.8 M58
- 98385 NAZEER, M. M. An analysis of the food and food habits of our people. Com. & Indus. 8(4):16-20. June 1964. 286.8 C734
- 98386 WILLIAMS, C. S. Beware the quack. Food & Nutr. News 35(4):1, 4. Jan. 1964. 389.8 F7332
- NUTRITIVE AND VITAMIN CONTENT**
- 98387 BARBARO, A. D'. The nutritive value of meat. (It) Riv. di Zootec. 36(11):647-661. Nov. 1963. 49 R52
- 98388 BASTIANUTTI, J. Qualitative research on ascorbic acid in breadmaking flours. (It) Rass. Chim. 15(6):278-280. Ref. Nov./Dec. 1963. 385 R18
- 98389 BELL, M. Milk-in-schools scheme: the nutritional viewpoint. Town Milk 12(2):12-13, 15. May 1964. 44.8 T66
- 98390 BENDER, A. E. The relative merits of plant and animal proteins. In Ovington, J. D., ed. The better use of the world's fauna for food, p. 17-26. 1963. 389.9 Ov4
- 98391 BRIONES, P. R., and PHARM, B. S. "Pinipig" as a national breakfast food. Philippine J. Nutr. 17(1):52-55. Jan./Mar. 1964. 389.8 N9524  
A rice product.
- 98392 BROOKE, C. L. Enrichment of flour. Armed Forces Internation Nutr. Conf. [Proc.], 5th Conf.:332-339. 1962, pub. 1963. 173.3 In89A
- 98393 DAVIDOV, R. B., and SMETNEV, S. I. Biological enrichment of milk with vitamin B<sub>12</sub> and its utilization in dairy industry and in poultry nutrition. (Rus) Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiryazeva. Dok. 90:134-144. Ref. 1963. 20 M857
- 98394 DOBRAY, MRS. E. Fruit juices. (Hu) Buvar 8(6):360-363. Ref. Nov./Dec. 1963. 410 B98  
Nutritive value and processing.
- 98395 FIDANZA, F., and ALBERTI, A. F. Caloric value and composition in principal nutrients of some Italian foods. (It) Quaderni della Nutr. 23(3):117-126. May/June 1963. 389.8 Q2  
English summary.
- 98396 FRANCHUK, E. P. Vitamins of new varieties of berries. (Rus) Sadovodstvo 4:47-49. 1964. 80 Sa13
- 98397 HEINTZE, K. Total polyphenol (Vitamin P) in grain and flour. (Ge) Getreide u. Mehl 14(6):71-72. June 1964. 298.8 G332
- 98398 HELLSTROM, V., and ANDERSSON, R. Paprika—a food rich in vitamin C. (Sw) Var Foda 16(3):21-23. 1964. 389.8 V26
- 98399 HELLSTROM, V., and ANDERSSON, R. Vitamin C and carotene content of canned tomato juice. (Sw) Var Foda 16(3):17-21. Ref. 1964. 389.8 V26
- 98400 HERNANDEZ DIAZ, C. Enriching of military bread (vitamins and mineral salts). Armed Forces Internation Nutr. Conf. [Proc.], 5th Conf.:374-388. Ref. 1962, pub. 1963. 173.3 In89A
- 98401 HOBSON, A. Butter and cheese. Home Econ. & Com. Subj. Rev. 10(6):23. June 1964. 321.8 H759  
Nutritive value.
- 98402 KAWASAKI, C. O-benzoylthiamine as a suitable additive for the enrichment of rice. Philippine J. Nutr. 16(4):30-34. Ref. Oct./Dec. 1963. 389.8 N9524
- 98403 KONTRIMAS, YU. K., and BICHKAUSKENE, S. B. Vitamin C in black currant of Lithuania. (Rus) Sadovodstvo 4:50-51. 1964. 80 Sa13
- 98404 LEHMANN, F. Fresh cheese—its nutritional and economic importance for the industry and the economy. (Ge) Molk.- u. Kaserei-Ztg. 15(13):425-426. Mar. 25, 1964. 44.8 M736  
Cottage cheese.
- 98405 LEMBKE, A. Milk and dairy products for the nutrition of grown men. (Ge) Kieler Milchwirt. Forscher. 16(3):215-232. 1964. 44.9 K542  
English summary.
- 98406 MARTIN VARGAS, V. Notes concerning enrichment of bread in Spain. Armed Forces Internation Nutr. Conf. [Proc.], 5th Conf.:369-373. 1962, pub. 1963. 173.3 In89A
- 98407 MUNOZ DE LA CUEVA, D. B. Study on bread enrichment in Spain. Armed Forces Internation Nutr. Conf. [Proc.], 5th Conf.:340-368. Ref. 1962, pub. 1963. 173.3 In89A
- 98408 ONATE, L. U., and others. Nutritive value of some Philippine plant foods. Philippine J. Nutr. 17(1):2-21. Ref. Jan./Mar. 1964. 389.8 N9524  
M. J. Tubelleja, M. F. Manuel, and I. C. Abdon, joint authors.
- 98409 PETERSON, K., and ALBER, I. Vitamin B<sub>12</sub> content in food of animal origin. (Es) Eston-skaya Sel'skokhoz. Akad. Sborn. Nauch. Trudov 30:178-182. 1963. 106 Es83  
German summary.
- 98410 RENSKI, A. Enriching wheat flour with ascorbic acid. (Pol) Warsaw, Cent. Lab. Technol. Przechowalnictwa Zboz. B. Inform. 6(4):86-89. 1962. 298.9 W26  
French and German summaries.
- 98411 RIGO, J. The rose hip, source of vitamin C and magnesium. (Hu) Elovilag 8(6):16-17. Nov./Dec. 1963. 410 EL6
- 98412 SILVELA TORDESILLAS, F. Enrichment of flour with vitamins, minerals and amino acids. Armed Forces Internation Nutr. Conf. [Proc.], 5th Conf.:319-331. 1962, pub. 1963. 173.3 In89A
- 98413 SPANYAR, P., KEVEI, MRS. J., and BLAZOVICH, M. Difficulties and solutions for determination of true vitamin C content in food. (Hu) Budapest. Kozponti Elelmiszeripari Kutatointezet. Kozlem. 1/2:1-6. Ref. 1963. 389.9 B85  
English summary.
- 98414 TRIBUNSKAYA, A. YA. Elixir of health. (Rus) Sadovodstvo 4:46-47. 1964. 80 Sa13  
Vitamins in berries.
- 98415 VIGOROV, L. I. Vitamins, catechins, carotene, and folic acid. (Rus) Sadovodstvo 4:44-46. 1964. 80 Sa13  
In fruit.



## MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

## GENERAL

- 98416 ARIZONA ACADEMY OF SCIENCE. Abstracts of papers presented at the seventh annual meeting, March 30, 1963, Tucson, Arizona. Ariz. Acad. Sci. J. 2(4):189-192. Dec.1963. 500 Ar44
- 98417 ARKANSAS ACADEMY OF SCIENCE. Proceedings, volume XVII, 1963. Fayetteville, 1963. 89 p.,map. Ref. 500 Ar42
- 98418 BANNIKOV, A. H. Exploitation of the saiga antelope in the U.S.S.R. In Ovington, J. D., ed. The better use of the world's fauna for food, p.45-52. 1963. 389.9 Ov4
- 98419 BROGDON, J. E., and PETTIS, A. M. Tips on farm & home safety. Fla. U. Agr. Ext. C. 197A,4 p. June 1964. 275.29 F66C  
Economic poisons.
- 98420 BUSHLAND, R. C. Agricultural chemicals—problems and possibilities. Crop Quality Council. Ext. Conf. Rpt. 1962:20-22. 464.9 N813  
Research objective of new Metabolism and Radiation Research Laboratory being constructed at Fargo, N. D. by U. S. D. A.
- 98421 CAVANAGH, R. W. S., and HALL, A. G. Making ponds for wild ducks. New Zeal. Dept. Int. Aff. Wildlife P. 72,32 p. 1962. 410.9 N485  
On farms.
- 98422 CHANG, T. P. Why do some agricultural chemicals change during storage? (Ch) Non-gye Jishu 11:24-26,32. Nov.1962. 22.5 N929
- 98423 CLARK, J. M. ed. Experimental biochemistry. San Francisco, Freeman, 1964. 228 p. Ref. (A series of books in chemistry) 386.2 C552
- 98424 CONFERENCE OF BIOLOGICAL EDITORS. COMMITTEE ON FORM AND STYLE. Style manual for biological journals. Ed. 2. Washington, Amer. Inst. Biol. Sci., 1964. 177 p. 238 C764
- 98425 FREED, V. H. Poison dangers on the farm. Region. Conf. Rur. Health, West. States, 4th Region. Conf.:23-26. 1962. 448.9 R26
- 98426 GENETICS SOCIETY OF AMERICA. Abstracts of papers presented at the 1964 meeting Boulder, Colorado, August 24 to August 26, 1964. Genetics 50(2):231-296. Aug.1964. 442.8 G28  
Includes abstracts of papers on plant, insect, and animal genetics.
- 98427 GENETICS SOCIETY OF AMERICA. Proceedings, directory and program. Genetics 50(2), 55 p. Aug.1964. 442.8 G28
- 98428 GT. BRIT. NATURE CONSERVANCY. Fourteenth report for the year ended 30th September 1963. n.p., 1963. 164 p. 410.9 G79  
Includes effects of pesticides on wildlife, and plant ecology.
- 98429 GREEN, M. Classical biology—the basic science. S. Dak. Acad. Sci. Proc. 42:31-36. Ref. 1963. 500 So82
- 98430 HAIS, I. M. ed. Paper chromatography; a comprehensive treatise. Ed. 3. Prague, Pub. House Czechoslovak Acad. Sci., 1963. 955 p. 387 H29Ae  
Includes Sugars, by K. Macek, Proteins, by K. Macek, and Pesticides, by V. Batora (insecticides, herbicides, and fungicides).
- 98431 HAYLEY, D. The place of pesticides in agriculture. South. Weed Conf. Proc., 17th Annu. Mtg.:25-37. 1964. 79.9 So8
- 98432 HUME, C. W. Pests, popular and unpopular. UFAW Cour. 20:13-18. Winter 1963. 48.8 Uf1  
Wildlife in Great Britain.
- 98433 INDIANA ACADEMY OF SCIENCE. Proceedings, volume 72, 1962. Indianapolis, 1963. 373 p. Ref. 500 In2
- 98434 INTERNATIONAL ASSOCIATION OF GAME, FISH AND CONSERVATION COMMISSIONERS. The fifty-third convention, September 9 and 10, 1963, Minneapolis, Minnesota. n.p., 1963. 154 p. 412.9 In8  
Includes pesticides.
- 98435 IODKO, M. E. For universal studies of agricultural chemistry. (Rus) Zemledelie 2:2-4. Feb.1964. 20 Z44
- 98436 JOHANSSON, D., and STENMARK, A. List of registered commercial preparations. (Sw) Kem. Vaxtskyddsmedel 1963:58-82. 385 K313  
Economic poisons.
- 98437 JOHANSSON, D., and STENMARK, A. Poison labels for economic poisons. (Sw) Kem. Vaxtskyddsmedel 1963:10-21. 385 K313
- 98438 JOHANSSON, D., and STENMARK, A. Protective equipment for the application of economic poisons. (Sw) Kem. Vaxtskyddsmedel 1963:24. 385 K313
- 98439 JOHANSSON, D., and STENMARK, A. Standard names and definitions of terms used for certain substances. (Sw) Kem. Vaxtskyddsmedel 1963:7-9. 385 K313  
Economic poisons.
- 98440 JOHANSSON, D., and STENMARK, A. Toxicity. (Sw) Kem. Vaxtskyddsmedel 1963:22-23. 385 K313  
Of economic poisons.
- 98441 JOHNSTONE, D. R. Physical characteristics of liquid spray deposits. 1-4. Gt. Brit. Colon. Off. Trop. Pesticides Res. Unit. TPRU/Porton/Rpt. 248,8 p.; 249,13 p.; 250,9 p.; 251,7 p. 1963. 423.92 G798C
- 98442 JULIANO, J. O. The research program. Sci. Rev. 4(9):17-20,31. Sept.1963. 475 Sci237  
Atomic energy and agriculture; program of the Philippine Atomic Energy Commission.
- 98443 KAHN, A. B. Atomic energy programme in agriculture in East Pakistan. Trade & Indus. 8 (4):502-504. Apr.1964. 286.8 T674
- 98444 KEIRSTEAD, L. G. Residue determination by gas chromatography. Frontiers Plant Sci. [Conn. Sta.] 16(2):2-3. May 1964. 100 F92  
Insecticides in foods and wildlife.
- 98445 KEMISKA vaxtskyddsmedel [Economic poisons] 1963. Boras, 1963. 94 p. 385 K313
- 98446 KHAN, S. U. I. Atomic energy in the service of agriculture. Trade & Indus. 8(4):494-497. Apr.1964. 286.8 T674
- 98447 MARYLAND INSPECTION SERV. Pesticide analyses. Md. Insp. Serv. B. 270,89 p. Apr. 1964. 276 M36Q
- 98448 MATTHEWS, L. H. A new development in the conservation of African animals. In Ovington, J. D., ed. The better use of the world's fauna for food, p.37-44. 1963. 389.9 Ov4  
Game management for food production.
- 98449 MATTHEWS, L. J. Will spring be silent? Service [New Plymouth] Summer 1963/64:20-23. 385 Se6
- 98450 MILLER, R. E., and others. What industry men say about dealer advertising. Feed & Farm Supplier 37(12):18-21. Dec.1963. 47.8 H28  
Farming supplies.
- 98451 MINER, B. D. Have you learned you ADP's yet? News Farmer Coop. 31(5):3-4,12-13. Aug.1964. 166.2 N47  
Automatic data processing, including programming.
- 98452 NATIONAL ASSOCIATION OF AGRICULTURAL CONTRACTORS. Application techniques of herbicides, insecticides and fungicides. Farm & Gard. Contract. (n.s.)4(1):3,5-9,11,13-15. June 1964. 58.8 F227  
Abstracts of papers by R. F. Norman, J. J. North, P. Hebblethwaite and M. B. Dodson on the conference held by the Association.
- 98453 NĀTUURHISTORISCH GENOOTSCHAP IN LIMBURG (MAASTRICHT). List of members. (Du) Nathist. Genootsch. Limburg. Nathist. Maandbl. 52(7/8):85-92. Aug.29,1963. 409.6 N2123N



- 98454 NORTH DAKOTA. STATE LABORATORIES DEPT. Feeds, fertilizer, pesticides, 1963 report. N. Dak. State Lab. Dept. B. 139,62 p. May 1964. 389.9 N814  
Analyses.
- 98455 PACIFIC SCIENCE CONGRESS, 10, HONOLULU, 1961. Galapagos Islands, a unique area for scientific investigations; a symposium presented at the Tenth Congress. Calif. Acad. Sci. Occas. Papers, 44,154 p. Ref. Nov.8,1963. 500 C120  
Includes articles of agricultural interest.
- 98456 POLISH ecological bibliography for 1960; preparation: A. Hilbricht-Ilkowska, E. Prot, L. Wasilewska. Warsaw, 1964. 324 p. 241.7 P75  
Includes human, plant and insect ecology.
- 98457 REGIER, H. A. Ecology and management of channel catfish in farm ponds in New York. N. Y. Fish & Game J. 10(2):170-185. Ref. July 1963. 410 N48
- 98458 REGIER, H. A. Ecology and management of largemouth bass and golden shiners in farm ponds in New York. N. Y. Fish & Game J. 10(2):139-169. Ref. July 1963. 410 N48
- 98459 RINEY, T., and KETTLITZ, W. L. Management of large mammals in the Transvaal. Mammalia 28(2):189-248. Ref. June 1964. 410 M31  
Includes commercial utilization on farms and ranches, sales amounting to over 7 million pounds of fresh game meat annually.
- 98460 ROY, E. P. If farm supply stores are to prosper there'll be some changes made! Feed & Farm Supplier 38(1):18-20,22. Jan.1964. 47.8 H28
- 98461 RUFIN, M. H. The reasons for control of radioactivity. (Fr) Rec. de Med. Vet. 140(5): 375-383. May 1964. 41.8 R24  
English summary.  
Includes applications to agriculture.
- 98462 SAMVIRKENDE SJÄLLANDSKE LANDBOFORENINGER. Beretning [Report], 1963. n.p., 1964. 118 p. 11 Z1Be
- 98463 SASKATCHEWAN. DEPT. OF AGRICULTURE. Fifty-eight annual report. Regina, 1963. various paging. 7 Sa73
- 98464 SCHMITT, L. Agricultural chemistry and biology as fundamentals for an advanced agriculture. (Ge) Verband Deut. Landwirt. Untersuchungs- u. Forschanst. Festschr. 75:33-43. Ref. Sept.1963. 18 V588
- 98465 SINGH, B., and SANKHALA, K. S. Publicity in conservation programme in U. S. A. Indian Forester 90(4):246-249. Apr.1964. 99.8 In2
- 98466 SMITH, E. H. Pesticides and people. N. Y. State Hort. Soc. Proc., 109th Annu. Mtg.:188-193. 1964. 81 N484  
Public enlightenment on the hazards and safeguards in the economic poison controversy.
- 98467 SOUTH DAKOTA ACADEMY OF SCIENCE. Proceedings, volume 42, 1963. Vermillion, 1963. 222 p. Ref. 500 So82
- 98468 STRUZEK, B. Chemistry as basis for the intensification of agriculture in USSR. (Pol) Nowe Roln. 13(2):14-17. Jan.16/31,1964. 20.5 N86
- 98469 SWEDEN. STATENS LANTBRUKSKEMISKA KONTROLLANSTALT. Activities 1962/1963. (Sw) Stockholm. Stat. Lantbruk. Konst. Meddel. 26:3-8. 1964. 385 St6
- 98470 TENNESSEE ACADEMY OF SCIENCE. Proceedings for 1963. Tenn. Acad. Sci. J. 39(2): 54-72. Apr.1964. 500 T25A  
Includes abstracts of papers.
- 98471 U. S. DEPT. OF AGRICULTURE. PAPERWORK MANAGEMENT COUNCIL. Operation "Microfilm-USDA," by J. A. Vlachos, E. W. Schultz, and C. E. Wylie. Washington, 1963. 12 p. A332.9 Ag82  
Program Report, meeting, June 25,1963.
- 98472 VASTERBOTTENS LANS HUSHALLNINGS-SÄLLSKAP. Handlingar [Proceedings], 1963. Umea, 1963. 126 p. 11 V44H
- 98473 VICTORIA. DEPT. OF AGRICULTURE. BIOLOGY BR. Report and list of publications from January 1961-June 1962. No. 2, 1962. Victoria, 1963. ? 51 p. 464.9 V662R
- 98474 WALKER, P. T. A study of the imports of pesticides into East Africa from customs entries. Gt. Brit. Colon. Off. Trop. Pesticides Res. Unit. TPRU/Porton/Rpt. 261,11 p. Nov.1963. 423.92 G798C
- 98475 WISCONSIN ACADEMY OF SCIENCES, ARTS AND LETTERS. Transactions LI-1963. n.p., 1963. 382 p, map. Ref. 500 W75

## BIOGRAPHY

- 98476 AGRICULTURAL chemist and horticulturist. (Rus) Sadovodstvo 4:63. 1964. 80 Sa13  
N. D. Slivakovskii.
- 98477 AGRONOMIST Ruben Hellgren is dead. (Sw) Mejeritidskrift 25(3):111-112. June 1963. 44.8 M472
- 98478 ALLEN, C. K. An appreciation—Clarence Emmeren Kobuski (1900-1963). Torrey Bot. Club. B. 91(4):331-334. July/Aug.1964. 451 T63B
- 98479 ALLODIATORIS, I. Imre Frivaldszky (1799-1870). (Hu) Elovilag 8(6):49-54. Nov./Dec. 1963. 410 EL6
- 98480 ALLODIATORIS, I. Karoly Kalchbrenner, 1807-1886. (Hu) Elovilag 9(1):53. Jan./Feb.1964. 410 EL6
- 98481 ALOSI, C. In memory of Prof. Ugo Pagnini. (It) Zootec. e Vita 6(1):38-39. Jan./Mar.1963. 49 Z73
- 98482 ANDRE, M. Flavio da Fonseca (1900-1963). (Fr) Acarologia 6(1):1-4. Jan.1964. 434.8 Acl
- 98483 ANNA Stepanovna Inyakina; on her 60th birthday. (Rus) Selek. i Semen. 2:49-50. Mar./Apr.1964. 61.9 Se5
- 98484 AWARD of South Africa Medal and Grant, 1964, to Dr J. E. Van der Plank. So. African J. Sci. 60(5):147-148. May 1964. 515 So84  
Plant pathology.
- 98485 BAIER, Prof. Dr. Fritz Stockklausner is 75 years old. (Ge) Tierärztl. Umschau 19(6):310-311. June 1,1964. 41.8 T445
- 98486 BARTOSZ, T. A forester-entomologist. (Pol) Las Polski 37(23):14-15. Dec.1/15,1963. 99.8 L33  
Dr. Jan Karczewski.
- 98487 BESTOWING of the Professor Hermann Weigmann memorial medal in gold to Federal president Dr. Lubke. (Ge) Kieler Milchwirt. Forschber. 16(3):269-275. 1964. 44.9 K542  
Includes Dr. Lubke's acceptance address.
- 98488 BIGLER, F. Josef Witschi, Bern. (Ge) Schweiz. Bienen-Ztg. (n.s.)87(6):317-138. June 1964. 424.8 Sch9
- 98489 BJARNE Sandve is 60 years old. (No) Meieriposten 53(24):581-582. June 13,1964. 44.8 M47
- 98490 BLINK, G. J. J. Noordam-Veezet, May 1, 1914-1964. (Du) Alg. Zuivelbl. 57(8):153-155, 157,159,161. Apr.20,1964. 44.8 AL32
- 98491 BOHN, R. Professor Jan Lenfeld—75th anniversary of birth and 25 years since his death. (Cz) Veterinarstvi 14(5):234-235. May 1964. 41.8 V6439
- 98492 BORCHERS, K. Professor Dr. Theodor Schmucker is 70 years old. (Ge) Forst- u. Holzwirt 19(9):181-183. May 8,1964. 99.8 F7724  
Includes list of publications.
- 98493 BORISOGLEBSKII, A. D. An enthusiast of Siberian pomology; on 90th birthday of A. I. Olonichenko. (Rus) Sadovodstvo 3:63. Mar. 1964. 80 Sa13
- 98494 BOTTINI, O. In memory of Prof. Alberto De Dominici. (It) Naples. U. Facol. di Sci. Agr. Ann. (ser.3)29:V-XII. 1963/64. 105.4 P83
- 98495 BUELL, M. F. Eminent ecologist for 1963, William S. Cooper. Ecol. Soc. Amer. B. 44(4): 108-110. Dec.1963. 410.9 Ec7  
Includes list of publications.
- 98496 CAPTAIN J. R. C. Furehjelm is 60 years old. (Sw) Svinet 54:12-14. Dec.1963. 46.8 Sv32
- 98497 CLARK C. Heritage receives annual Hitchcock Award. Forest Prod. J. 14(7):6-A. July 1964. 99.9 F7662J  
Forest products research.



- 98498 CREATIVE life of professor A. A. Markov. (Rus) Moscow. Vsesoyuzn. Inst. Eksper. Vet. Trudy 28:5-8. 1963. 41.9 R923
- 98499 DALMASSO, G. A worthy person of Novara viticulture and enology who is not forgotten: Bernardino Balsari. (It) Novara. Cam. di Com. Indus. e Agr. Not. Econ. 20(5):9-19. Ref. May 1964. 287 N85N
- 98500 DEIN, H. G. Axel B. Klinge, January 14, 1907-April 26, 1963. (Da) Flora og Fauna 70(1):28. Mar. 1964. 410 F662
- 98501 DEVILBISS, J. M. John M. Aikman. Ames Forester 51:8-9. 1964. 99.9 Io94
- 98502 DR. CASSELBERRY receives distinguished service award. Kans. Vet. 20(3):16. May/June 1964. 41.9 K133B  
Kansas State University Award in Veterinary Medicine to N. H. Casselberry.
- 98503 DR. CHARLES L. Boyd. Sowest. Vet. 17(4):327-328. Summer 1964. 41.8 So82
- 98504 DR. CLAUDE Kelly Jones. Sowest. Vet. 16(4):315-316. Summer 1963. 41.8 So82
- 98505 DR. GERALD W. Parker. Sowest. Vet. 16(4):317-318. Summer 1963. 41.8 So82
- 98506 DR. HARRI Rautavaara will be 60 years old. (Sw) Mejeritidskrift 25(3):111. June 1963. 44.8 M472
- 98507 DR. HOWARD W. Cargill. Sowest. Vet. 17(1):63-64. Fall 1963. 41.8 So82
- 98508 DR. JAMES B. Henson. Sowest. Vet. 17(2):147-148. Winter 1964. 41.8 So82
- 98509 DR. RICHARD A. Self. Sowest. Vet. 17(4):329-330. Summer 1964. 41.8 So82
- 98510 DR. ROBERT S. Titus. Sowest. Vet. 17(1):61-62. Fall 1963. 41.8 So82
- 98511 DUMON, A. G. In memoriam Erich von Tschermak-Seysenegg (15 November 1871-11 October 1962). (Fl) Biol. Jaarb. 31:8-20. 1963. 410 B52  
Includes list of his works, p.16-20.
- 98512 DVIHALLY, S. T. Rudolf Maucha, 1884-1962. (Ge) Arch. f. Hydrobiol. 59(1):110-121. Jan. 1963. 410 Ar28  
Includes list of his publications.
- 98513 DYK, V. MVDR Jaroslav Rytir—paragon of specialist. (Cz) Veterinarstvi 14(5):235-236. May 1964. 41.8 V6439
- 98514 EDWARD Betram Evans, D.V.M. Sowest. Vet. 17(3):229-231. Spring 1964. 41.8 So82
- 98515 EDWARDS, P. I. Alexander Marshall (1639?-1682), flower painter. Bot. Soc. Brit. Isles. Proc. 5(3):230. Feb. 1964. 451 B658Pr
- 98516 E. E. HALE retires from AFPA. Ala. Forest Prod. 7(6):4,8. July 1964. 99.82 AL1
- 98517 80 YEARS old. (Da) Maelkeritidende 77(22):443. May 29, 1964. 44.8 M26  
V. Christensen.
- 98518 ERICSSON, J. † Eric Broden. (Sw) Vara Palsdjur 35(2):34. Feb. 15, 1964. 410 V42
- 98519 ERLING Jenssen will be 60 years old. (No) Meieriposten 53(26):639. June 27, 1964. 44.8 M47
- 98520 EVENIUS, J. Hugo Gontarski. (Ge) Z. f. Bienenforsch. 6(7):177-178. July 1963. 424.8 Z3
- 98521 EYER, H. In memoriam Hugo Braun. (Ge) Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. I, Orig. 192(4):409-419. May 1964. 448.3 C33  
Includes a list of his publications, 1907-1963.
- 98522 FALES, J. H. Price Godman Piquett, 1908-1963. Ent. Soc. Wash. Proc. 66(2):121-122. June 1964. 420 W27
- 98523 FERNANDES, A. Reverend Charles Tisserant (1886-1962). (Por) Soc. Broteriana. Anu. 29:9-20. 1963. 451 C66A  
Includes a list of his publications.
- 98524 FORSHELL, W. P. Bjorn Hagstrom in memoriam. (Sw) Norrlands Skogsvardsforbund. Tidsskr. 1:1-2. 1964. 99.9 N77
- 98525 F. W. POOS, citation of merit. Ent. Soc. Amer. B. 9(4):272. Dec. 1963. 423.9 En8  
Eastern Branch of the Entomological Society of America.
- 98526 GAROGLIO, P. G. Adam Fabbri, forerunner of Pasteur. (It) Agricoltura 13(3):69-75. Mar. 1964. 16 Ag8226
- 98527 GILLARD, A. In memoriam ing. P. Gillis. (Fl) Biol. Jaarb. 31:5-7. 1963. 410 B52
- 98528 G. RAMON, 1886-1963. (Fr) Inst. Pasteur. Ann. 105(5):809-812. Nov. 1963. 448.3 An75
- 98529 GRATZ, Dr. Otto Rasenack is 65 years old. (Ge) Arch. f. Lebensmthlyg. 15(5):118-120. May 20, 1964. 41.8 L49
- 98530 GRATZL, E. On the 90th birthday of Richardt Reinhardt. (Ge) Wien. Tierarztl. Monchr. 51(4):286-288. Apr. 1964. 41.8 T345
- 98531 GRAY, E. A. The veterinary surgeon's debt to John Hunter. Vet. Rev. 14(3):77-86. Mar. 1963. 41.8 V6466
- 98532 A GREAT loss for world apiculture; the death of Comte Antonio Zappi-Recordati. (Fr) Gaz. Apic. 65(683):60-61. Mar. 1964. 424.8 G25
- 98533 GUNNAR Dybvik will be 60 years old. (No) Meieriposten 53(19):458-459. May 9, 1964. 44.8 M47
- 98534 GUNNAR Hagen will be 60 years old. (No) Meieriposten 53(23):557. June 6, 1964. 44.8 M47
- 98535 HAFNER, F. Dr. Johann Albrecht von Monroy dies. (Ge) Allg. Forstztg. 75(11/12):116-117. June 1964. 99.8 AL53
- 98536 HALFDAN Moltzen, President of World Small Animal Veterinary Association. J. Small Anim. Pract. 5(2):105-106. Apr. 1964. 41.8 J8292
- 98537 HALPERIN, H. In memory of Aaron Tsziling. Agr. Israel 9(5):42. Feb. 1964. 22.5 Ag825
- 98538 HANS Overaae, will be 85 years old. (No) Tidsskr. f. Fjorfeavl 80(8):154. Aug. 1963. 47.8 T432
- 98539 HARMSEN, L. In memoriam Prof. B. Seit. (Du) Tijdschr. v. Diergeneesk. 89(10):731-732. May 15, 1964. 41.8 T431
- 98540 HEJGAARD, G. 70 years old. (Da) Maelkeritidende 77(26):551-552. June 26, 1964. 44.8 M26  
J. Galle.
- 98541 HENRY, L. K. Otto Emery Jennings. Castanea 29(2):121-123. June 1964. 450 So82
- 98542 HEYROVSKY, L. Alfred Keil. (Cz) Ceskoslov. Spolecnost Ent. Casopis 60(3):267. 1963. 420 C33
- 98543 HEYROVSKY, L. Dr. Cyril Purkyne. (Cz) Ceskoslov. Spolecnost Ent. Casopis 60(3):266-267. 1963. 420 C33  
Includes a list of his publications.
- 98544 HEYROVSKY, L. Fiftieth birthday of Dr. K. Vsetecka. (Cz) Ceskoslov. Spolecnost Ent. Casopis 60(3):269. 1963. 420 C33  
Includes a list of his publications.
- 98545 HIRSCHMULLER, H. H. C. S. de Whalley. (Ge) Z. f. Zuckerindus. 14(5):284. May 20, 1964. 65.8 D48
- 98546 HOJ, G. In memoriam, Carl Henningsen, Esbjerg, 20.11.95—† 24.4.64. (Da) Danske Dyr-laegefor. Medlemsbl. 47(13):686-687. July 1, 1964. 41.9 D23
- 98547 IFT [INSTITUTE of Food Technologists] achievement recipients announced. Food Technol. 18(6):34-36. June 1964. 389.8 F7398  
The Nicholas Appert Award to G. M. Dack; Industrial Achievement Awards to K. Bedrosian, J. R. C. Brown, and A. Brody; Babcock-Hart Award to R. R. Williams; International Award to E. C. Bate-Smith; and Award for Research to E. A. Day.
- 98548 INDREITEN, M. In memory of Magnar Heggem. (No) Norsk Pelsdyrb. 38(7):194. Apr. 5, 1964. 412.628 N812
- 98549 IN MEMORIAM Dr. Dr. h. c. Karl Muller. (Ge) Z. f. Zuckerindus. 14(5):282. May 20, 1964. 65.8 D48
- 98550 JEPPESEN, M. Former dairy manager L. Larsen, Lejre, is dead. (Da) Maelkeritidende 77(18):365-366. May 1, 1964. 44.8 M26

- 98551 JEPPESEN, M. 70 years old. (Da) Maelkeritidende 77(20):402-403. May 15, 1964. 44.8 M26 N. P. Poulsen.
- 98552 JERZEMBECK, Dr. Otto Rasenack is 65 years old. (Ge) Deut. Tierarztl. 12(5):166. May 20, 1964. 41.8 D484
- 98553 JIROVEC, O. Docent Dr. Rudolf Sramek-Husek, Feb. 14, 1907-June 6, 1962. (Ge) Arch. f. Hydrobiol. 59(2):281-283. Apr. 1963. 410 Ar28
- 98554 JOH. FREI-ZUST, grape breeder, Berneck. (Ge) Schweiz. Z. f. Obst- u. Weinbau 73(13):325. June 27, 1964. 80 Sch9
- 98555 KARPINSKI, J. J. In memory of Boleslaw Bonikowski. (Pol) Sylwan 107(5):91-92. Sept./Oct. 1963. 99.8 Sy52
- 98556 K. DOSSLAND is dead. (No) Meieriposten 53(27):666-667. July 4, 1964. 44.8 M47
- 98557 KELLERMAN, V. V., and TSYURUPA, I. G. Ivan Nikolaevich Antipov-Karataev; on his 75th birthday. (Rus) Pochvovedenie 4:113-114. Apr. 1964. 57.8 P34
- 98558 KLEBER, W. Eilhard Mitscherlich on the 100th anniversary of his death: August 28, 1963. (Ge) Berlin. Humboldt-U. Wiss. Z. Math. Natwiss. Reihe 13(1):1-5. 1964. 509 B453  
English summary.
- 98559 KLINKOWSKI, M. Ernst Brandenburg (1901-1962). (Ge) Nachrbl. f. den Deut. Pflanzenschutzdienst. (n.s.) 17(4/5):96-97. Apr./May 1963. 464.9 N11
- 98560 KLOTZ, R. Chief veterinary councilor Dr. F. A. Prillwitz of Greifswald is 75 years old. (Ge) Monh. f. Vetmed. 19(10):400. May 15, 1964. 41.8 M742
- 98561 KOEHLER, O. Konrad Lorenz 60 years old. (Ge) Z. f. Tierpsychol. 20(4):385-401. Oct. 1963. 410 Z35  
Includes list of his works.
- 98562 KOLWYCK, C. Obituary: 1884-E. T. Maxwell-1964. Gleanings Bee Cult. 92(7):434. July 1964. 424.8 G47
- 98563 KRUYTZER, E. M. J. Bosquet, apothecary and paleontologist, 1814-1880. (Du) Nathist. Genootsch. Limburg. Nathist. Maandbl. 52(7/8):95-103. Ref. Aug. 29, 1963. 409.6 N2123N  
French summary.  
Includes list of his publications.
- 98564 KUPEY, Dr. Paul Schmidt of Magdeburg—veterinarian for 50 years. (Ge) Monh. f. Vetmed. 19(9):359-360. May 1, 1964. 41.8 M742
- 98565 KURTZ, L. T. Ernest E. DeTurk, 1887-1963. Soil Sci. 98(1):3. July 1964. 56.8 So3
- 98566 LABUD, V. Liberty Hyde Bailey: his impact on science education. Diss. Abs. 24(12, pt. 1):5169-5170. June 1964. 241.8 M58
- 98567 LANGE, N. Dr. Willi Herfurth is 80 years old. (Ge) Monh. f. Vetmed. 19(1):39-40. Jan. 1, 1964. 41.8 M742
- 98568 LARS Kolas. (No) Norsk Pelsdyrbl. 37(22):398. Nov. 20, 1963. 412.628 N812
- 98569 LEDNAR, F. Samuel Tesedik—pioneer of agricultural progress and education. (Cz) Agrikultura 2:113-124. 1963. 19.5 Ag8  
German summary.
- 98570 LEMPKE, B. J. In memoriam Roelof Knoop. (Du) Ent. Ber. 24(5):81. May 1, 1964. 420 N38B
- 98571 LINDROTH, C. H. In memoriam: Anton Jansson. (Sw) Opusc. Ent. 28(3):162. 1963. 421 Op7
- 98572 LINDROTH, C. H. In memoriam: Axel Olsson. (Sw) Opusc. Ent. 28(3):165-166. 1963. 421 Op7
- 98573 LINDROTH, C. H. In memoriam: Einar Klefbeck. (Sw) Opusc. Ent. 28(3):163-164. 1963. 421 Op7
- 98574 LINDROTH, C. H. In memoriam: Einar Wahlgren. (Sw) Opusc. Ent. 28(3):161. 1963. 421 Op7
- 98575 LINDROTH, C. H. In memoriam: Harald Lindberg. (Sw) Opusc. Ent. 28(3):166. 1963. 421 Op7
- 98576 LINDROTH, C. H. Nils Bruce, 80 years old. (Sw) Opusc. Ent. 28(3):167-168. 1963. 421 Op7
- 98577 LINDSTROM, J. R. Bjorn Hemsén will be 50 years old. (No) Norsk Pelsdyrbl. 38(10):260. May 20, 1964. 412.628 N812
- 98578 LOHSE, G. A. Max Linke †. (Ge) Ent. Bl. 59(3):131-132. Dec. 31, 1963. 421 En833
- 98579 LONG, E. J. Benton MacKaye, the verdant prophet. Amer. Forests 70(7):16-19. July 1964. 99.8 F762
- 98580 LOSCHNIGG, F. Professor Z. Kovacevic on his 70th birthday. (Ge) Z. f. Angew. Ent. 53(2):210. Jan. 1964. 421 Z36
- 98581 LOURENS, M. In memoriam H. D. Krouwel. (Du) Tijdschr. v. Diergeneesk. 89(10):733-734. May 15, 1964. 41.8 T431
- 98582 LUTHER, H. Rolf Gronblad, 1895-1962. Rev. Algologie (n.s.) 7(1):3-8. Nov. 1963. 450 R3212  
Includes list of his publications.
- 98583 MAAG, H. Heinrich Zogg-Pfund, St. Gall. (Ge) Schweiz. Bienen-Ztg. (n.s.) 87(6):318-319. June 1964. 424.8 Sch9
- 98584 MALLIS, A. The diaries of Asa Fitch, M.D. Ent. Soc. Amer. B. 9(4):262-265. Dec. 1963. 423.9 En8
- 98585 MANEN, A. VAN. In memoriam Dr. K. Over. (Du) Tijdschr. v. Diergeneesk. 89(11):801-802. June 1, 1964. 41.8 T431
- 98586 MARCHAND, M. Theodore Bruneau. (Fr) Porc 34(10):6. Nov. 1963. 46.8 P822
- 98587 MARSHALL, G. Olaus Murie and the quality of wilderness. Sierra Club B. 48(9):94-98. Dec. 1963. 500 Sa53
- 98588 MATTINGLY, E. Royal Dixon. Frontiers 28(5):153-154. June 1964. 410 F92
- 98589 MAUGINI, A. Raffaele Ciferri. (It) Riv. di Agr. Subtrop. e Trop. 58(1/3):117-118. Jan./Mar. 1964. 26 Ag82
- 98590 MIHALYI, F. In memory of Dr. Geza Zilahi-Sebess. (Hu) Rov. Kozlem. (n.s.) 15:265-270. 1962. 420 So12  
Includes a list of his publications.
- 98591 MOUCHA, J. Dr. Rudolf Schwarz—sixtieth birthday. (Cz) Ceskoslov. Spolecnost Ent. Casopis 60(3):270-271. 1963. 420 C33  
Includes a list of his publications.
- 98592 MOUCHA, J. Prof. Dr. Karel Hruby (30. 9. 1910-10. 12. 1962). (Cz) Ceskoslov. Spolecnost Ent. Casopis 60(3):264-265. 1963. 420 C33  
Includes a list of his publications.
- 98593 MULLER, F. P. Professor Hase passed away. (Ge) Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 17(4/5):97-98. Apr./May 1963. 464.9 N11  
Prof. Dr. Albrecht Hase.
- 98594 NEGhme, A. An appraisal of Giovan Battista Grassi: his work in biology and parasitology. Expt. Parasitol. 15(3):260-278. Ref. June 1964. 436.8 Ex7
- 98595 THE NEW president of the R.C.V.S., Professor G. F. Boddie. Vet. Rec. 76(23):632. June 6, 1964. 41.8 V641
- 98596 NOVAK, B. Seventieth birthday of Prof. Dr. Vladimir Teyrovsky. (Cz) Ceskoslov. Spolecnost Ent. Casopis 60(3):267-269. 1963. 420 C33  
Includes a list of his publications.
- 98597 OBITUARY; Arthur Disbrowe Cotton, O.B.E., V.M.H., F.L.S. 1879-1962. Brit. Mycol. Soc. Trans. 47(1):141-142. Mar. 1964. 451 B76
- 98598 OBITUARY; F. S. Collier, C.M.G., C.B.E. Commonwealth Forestry Rev. 43(2):95-96. June 1964. 99.8 Em72
- 98599 OBITUARY; Herman Haupt Chapman (1874-1963). New Zeal. J. Forestry 9(1):114. 1964. 99.8 C162
- 98600 OBITUARY; Sean O'Sullivan. Irish Forestry 21(1):44-45. Spring 1964. 99.8 Ir4
- 98601 ODD SWANE is dead. (No) Meieriposten 53(14):307-308. Apr. 4, 1964. 44.8 M47
- 98602 OLSEN, V. Director Bjorn Hemsén will be 50 years old. (Da) Dansk Pelsdyravl 27(5):281. May 20, 1964. 412.628 D23



- 98603 ON THE death of professor Gerhard Domagk. (Ge) Deut. Tierärztl. Wchnschr. 71(10):282-283. May 15, 1964. 41.8 D482
- 98604 ON THE 65th birthday of professor Dr. Max Witt. (Ge) Tierzuchter 16(8):277-278. Apr. 20, 1964. 49 T445
- 98605 OSSE, M. J. M. With the passing of Prof. Dr. C.H. Edelman. (Du) Landbk. Tijdschr. 76(12): 449-452. June 1964. 105.2 Or3
- 98606 OYE, P. VAN. In memoriam Dr. Walter W. Weisbach. (Fl) Biol. Jaarb. 31:21-30. 1963. 410 B52  
Includes list of his works.
- 98607 PANISSET, M. Gaston Ramon, veterinarian. (Fr) St.-Hyacinthe. Ecole de Med. Vet. Inform. Vet. 6(1):5-6. Jan./Feb. 1964. 41.9 Sa2
- 98608 PESCE, G. The last "round." (It) Gior. di Agr. 74(22):219. May 31, 1964. 16 It1G  
On Francesco Cavicchi.
- 98609 POPENOE, W. Paul C. Standley, an appreciation. Ceiba 10(1):1-4. Mar. 1964. 475 C32
- 98610 POSTHUMOUS presentation of the Orchid Digest Corporation Medal for Meritorious Service to the Orchid World to Joseph Hampton. Orchid Digest 28(6):254-255. June 1964. 80 Or172
- 98611 PRAT, J. DE. In memory of the scientist Louis Pasteur. (Sp) Cult. Mod. 47(5):163-165. May 1964. 15 C89
- 98612 PROF. A. Abraham's biography. Acta Biol. Nova Ser. 9(1/4):6-16. Ref. 1963. 442.8 Ac86  
Includes his scientific works published up-to-date.
- 98613 PROFESSOR Dr. Ernst Laur. (Ge) Schweiz. Bienen-Ztg. (n.s.) 87(7):335. July 1964. 424.8 Sch9
- 98614 PULTE. Regional director Dr. Friedrich Ott is 60 years old. (Ge) Tierzuchter 16(11):432. June 5, 1964. 49 T445
- 98615 RAGNAR Nybom is dead. (Sw) Mejeritidskrift 25(3):107. June 1963. 44.8 M472
- 98616 RIDDER, M. DE. In memoriam Dr. M. Goetghebuer. (Ge) Arch. f. Hydrobiol. 59(1):134-135. Jan. 1963. 410 Ar28
- 98617 RIEDL, T. Sergiusz Toll (1893-1961). (Pol) Polskie Pismo Ent. Ser. B, 1/2:83-90. 1963. 421 P762  
English summary.  
Includes a list of his publications.
- 98618 RODHE, W. Gunnar Alm, 29 Sept. 1889-9 Feb. 1963. (Ge) Arch. f. Hydrobiol. 59(1):122-133. Jan. 1963. 410 Ar28  
Includes list of his publications.
- 98619 ROLF OTTESEN will be 50 years old. (No) Meieriposten 53(26):640-641. June 27, 1964. 44.8 M47
- 98620 SAVASTANO, G. Prof. H. T. Hartman very soon will be in Italy. (It) Olivicoltura 19(6): 11-15. June 1964. 80 OL42  
Includes list of publications.
- 98621 SCHAAF, A. VAN DER. To the memory of Camille Guerin. (Du) Tijdschr. v. Dierge-neesk. 89(10):661-664. May 15, 1964. 41.8 T431
- 98622 SCHIMITSCHEK, E. Professor A. Pfeffer on his 60th birthday. (Ge) Z. f. Angew. Ent. 53(2):209. Jan. 1964. 421 Z36
- 98623 SCHMIDT, G. In memory of Richard Korschefsky. (Ge) Ent. Bl. 59(3):129-131. Dec. 31, 1963. 421 En833
- 98624 SCHÜLER, L. Maurice Antoine (1887-1962). (Fr) Entomologiste 19(5/6):94-97. Dec. 1963. 421 En814
- 98625 SCHULZE, D. High honor to chief veterinary councilor Dr. Friedrich Walper of Gera on the occasion of his 60th birthday. (Ge) Monh. f. Vetmed. 19(6):239-240. Mar. 15, 1964. 41.8 M742
- 98626 SENIOR forester Walter Baron von Bistram dies. (Ge) Forst- u. Holzwirt 19(12):277. June 16, 1964. 99.8 F7724
- 98627 SHAHI, S. P. Obituary: Bimal Prasanna Basu (1898-1963). Indian Forester 90(5):329. May 1964. 99.8 In2
- 98628 SIELAFF, B. Veterinary councilor Dr. Erich Schultz is 65 years old. (Ge) Monh. f. Vetmed. 19(5):200. Mar. 1, 1964. 41.8 M742
- 98629 SIXTIETH anniversary of birth of National Prize winner Prof. Dr. Ing. Werner Gruner. (Ge) Deut. Agrartech. 14(6):243. June 1964. 58.8 D482
- 98630 SPENCER, G. J. Obituary: Edward Ronald Buckell. Ent. Soc. Brit. Columbia. Proc. 60: 55-56. 1963. 420 B77
- 98631 SPENCER, G. J. Obituary: F. C. Whitehouse. Ent. Soc. Brit. Columbia. Proc. 60:52. 1963. 420 B77
- 98632 SPENCER, G. J. Obituary: Mrs. M. E. (Hippesley) Clark. Ent. Soc. Brit. Columbia. Proc. 60:53-54. 1963. 420 B77
- 98633 STAHLIN, A. 70th birthday of Ernst Ludwig Klapp. (Ge) Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn 10:7-12. Feb. 1964. 18 F777
- 98634 STALFELT, F. Olle Ekbohm in memoriam, (28/10/1892-16/1/1964). (Sw) Skogen [Stockholm] 51(3):80. Feb. 6, 1964. 99.8 Sk51
- 98635 SUMMA. Dr. Otto Rasenack is 65 years old. (Ge) Tierärztl. Umschau 19(6):311. June 1, 1964. 41.8 T445
- 98636 SVEIN Heglum will be 60 years old. (No) Norsk Pelsdyrbk. 38(10):259. May 20, 1964. 412.628 N812
- 98637 SVOBODA, B., and SCHINDLER, B. Dr. Jan Krivinka of Brno dies. (Ge) Monh. f. Vetmed. 19(1):40. Jan. 1, 1964. 41.8 M742
- 98638 TAMHANE, R. V., and MUKHERJEE, S. K. Professor J. N. Mukherjee. Indian Soc. Soil Sci. J. 12(1):1-6. Mar. 1964. 56.9 In2
- 98639 TEHVER, J., and PAAVER, K. Aleksander and Emil Rosenberg—eminent morphologists of Tartu. (Es) Eesti Loodus 1:33-35. Jan./Feb. 1963. 409.6 Ee7  
English summary.
- 98640 TELLER, F. Dr. E Bohm of Floha is 70 years old. (Ge) Monh. f. Vetmed. 19(5):200. Mar. 1, 1964. 41.8 M742
- 98641 THOMSEN, M. Prosper Bovien, 27. 10. 1894-18. 5. 1963. (Da) Ent. Meddel. 32(2):179-187. 1963. 421 En82  
Includes list of his works.
- 98642 T. L. GINZBURG-KARAGICHEVA. (Rus) Mikrobiologiya 33(1):188. Jan./Feb. 1964. 448.3 M582
- 98643 TORSTEIN Holand will be 60 years old. (No) Meieriposten 53(24):578-579. June 13, 1964. 44.8 M47
- 98644 TREGOUBOFF, G. Jules Pavillard (1868-1961). (Fr) Rev. Algologie (n.s.) 7(1):9-14. Nov. 1963. 450 R3212  
Includes a list of his publications.
- 98645 VENOV, N. Frode Ebert. (Da) Hedeselsk. Tidsskr. 84(16):388-390. Dec. 25, 1963. 11 H35  
Necrology.
- 98646 VOLKER, R. Professor Dr. Richard Rheinhardt is 90 years old. (Ge) Kleintier-Praxis 9(3):57. Apr. 1964. 41.8 K67
- 98647 WARDLAW, C. W. Prof. D. Thoday, F.R.S. Nature [London] 202(4938):1161-1162. June 20, 1964. 472 N21
- 98648 WEGENER. Ministerial councilor Dr. Johannes Haupt is 65 years old. (Ge) Arch. f. Lebensmthg. 15(5):117-118. May 20, 1964. 41.8 L49
- 98649 WEKRE, E. John Bruseth; a pioneer in Norwegian dairy industry. (No) Meieriposten 13: 280-288. Mar. 28, 1964. 44.8 M47
- 98650 WHERRY, E. T. Harry W. Trudell. Castanea 29(2):119-120. June 1964. 450 So82
- 98651 WICK, B. Dr. Franz Pape is 65 years old. (Ge) Monh. f. Vetmed. 19(8):319-320. Apr. 15, 1964. 41.8 M742
- 98652 WIJK, A. J. VAN. In memoriam Jacques Timmermans. (Du) Veelelt en Zuivelber. 6(9): 402-403. Sept. 1963. 49 V51

Checklist of names of persons appearing as subjects of preceding biographical articles:

Abraham A	98612	Hunter J	98531
Aikman J M	98501	Inyakina A S	98483
Alm G	98618	Jansson A	98571
Antipov-Kara-taev I N	98557	Jennings O E	98541
Antoine M	98624	Jenssen E	98519
Bailey L H	98566	Jones C K	98504
Balsari B	98499	Kalchbrenner K	98480
Basu B P	98627	Karczewski J	98486
Bate-Smith E C	98547	Keil A	98542
Bedrosian K	98547	Klapp E L	98633
Bernolak A	98653	Klefbeck E	98573
Bistram	98626	Klinge A B	98500
W Baron von		Kobuski C E	98478
Boddie G F	98595	Kolas L	98568
Bohm E	98640	Korschefsky R	98623
Bonikowski B	98555	Kovacevic Z	98580
Bosquet J A H de	98563	Knoop R	98570
Bovien P	98641	Krivinka J	98637
Boyd C L	98503	Krouwel H D	98581
Brandenburg E	98559	Larsen L	98550
Braun H	98521	Laur E	98613
Broden E	98518	Lenfeld J	98491
Brody A	98547	Lindberg H	98575
Brown J R C	98547	Linke M	98578
Bruce N	98576	Lorenz K	98561
Bruneau T	98586	Lubke H	98487
Bruseth J	98649	MacKaye B	98579
Buckell E R	98630	Markov A A	98498
Cargill H W	98507	Marshall A	98515
Casselberry N H	98502	Maucha R	98512
Cavicchi F	98608	Maxwell E T	98562
Chapman H H	98599	Mitscherlich E	98558
Christensen V	98517	Moltzen H	98536
Ciferri R	98589	Monroy J A von	98535
Clark M E	98632	Mueller K	98549
Collier F S	98598	Mukherjee J N	98638
Cooper W S	98495	Murie O	98587
Cotton A D	98597	Noordam-Veezet J	98490
Dack G M	98547	Nybom R	98615
Day E A	98547	Olonichenko A I	98493
DeTurk E E	98565	Olsson A	98572
Dixon R	98588	O'Sullivan S	98600
Dominicis A de	98494	Ott F	98614
Dossland K	98556	Ottesen R	98619
Domagk G	98603	Overaa H	98538
Dybvik G	98533	Over K	98585
Ebert F	98645	Pagnini U	98481
Edelman C H	98605	Pape F	98651
Ekbom O	98634	Parker G W	98505
Evans E B	98514	Pasteur L	98611
Fabbroni A	98526	Pavillard J	98644
Fitch A	98584	Piquett P G	98522
Fonseca F da	98482	Pfeffer A	98622
Frei-Zust J	98554	Plank J E	98484
Frivaldszky I	98479	van der	
Furuhjelm J R C	98496	Poos F W	98525
Galle J	98540	Poulsen N P	98551
Gillis P	98527	Prillwitz F A	98560
Ginzburg-Karagicheva T L	98642	Purkyne C	98543
Goetghebuer M	98616	Ramon G	98607
Gontarski H	98520	Rasenack O	98528
Grassi G B	98594		98529
Gronblad R	98582		98635
Gruener W	98629		98552
Guerin C	98621	Rautavaara H	98506
Hagen G	98534	Recordati	98532
Hale E E	98516	Comte A Z	
Hagstrom B	98524	Reinhardt R	98530
Hampton J	98610		98646
Hartmann H T	98620	Rosenberg A	98639
Hase A	98593	Rosenberg E	98639
Haupt J	98648	Rytir J	98513
Heggem M	98548	Sandve B	98489
Heglum S	98636	Schmidt P	98564
Helgren R	98477	Schmucker T	98492
Hemsen B	98577	Schwarz R	98591
	98602	Schultz E	98628
	98546	Seit B	98539
	98508	Self R A	98509
	98567	Slivakovskii N D	98476
	98497	Sramek-Husek R	
	98643	Standley P C	98609
	98592	Stockklauser F	98485
		Swane O	98601
		Tesedik S	98569

Teyrovsky V	98596	Vsetecka K	98544
Thoday D	98647	Wahlgren E	98574
Timmermans J	98652	Walper F	98625
Titus R S	98510	Weisbach W W	98606
Tisserant C	98523	Whalley H C S de	98545
Toll S	98617	Whitehouse F C	98631
Trudell H W	98650	Williams R R	98547
Tschermak-Seysenegg E von	98511	Witschi J	98488
Tsizing A	98537	Witt M	98604
		Zilahi-Sebess G	98590
		Zogg-Pfund H	98583

## HISTORY

- 98653 GAJDOS, V. J. Bernolak's manuscript on agriculture. (Cz) *Agrikultura* 2:125-149. 1963. 19.5 Ag8  
German summary.
- 98654 JANOUSEK, E., STRESKOVA, J., and JANCIK, A. Methodology of the historical village monographs in Bohemian countries. (Cz) *Agrikultura* 2:255-278. 1963. 19.5 Ag8  
German summary.
- 98655 JANSACK, S. From the far past of agriculture. (Cz) *Agrikultura* 2:83-92. Ref. 1963. 19.5 Ag8  
German summary.
- 98656 KRAMARIK, J. Agricultural work for the year 1817 and its value. (Cz) *Agrikultura* 2:203-205. 1963. 19.5 Ag8  
German summary.
- 98657 KUO, W. T. A historical investigation of ancient Chinese agricultural systems. (Ch) *Chung Kuo Nung Pao* 9:41-48. Sept. 1963. 22.5 C473
- 98658 SCHILLER, O. Changes in the Soviet agrarian system from the October Revolution to the present. (Ge) *Z. f. Agrargesch. u. Agrarsoziol.* 11(1):87-96. Apr. 1963. 30.98 Z3
- 98659 STIBRANY, V. Community record for remembrance of our descendants, beginning with the year 1768 in Rejdova (community chronicle). (Cz) *Agrikultura* 2:233-251. 1963. 19.5 Ag8  
German summary.
- 98660 THOMAS, D. Agriculture in Wales during the Napoleonic wars; a study in the geographical interpretation of historical sources. Cardiff, U. Wales Press, 1963. 196 p., map. Ref. 32 T362

## HOME MANAGEMENT

- 98661 HABEL, K. L. Your furnishings; make them comfortable and attractive. Va. Polytech. Inst. Agr. Ext. B. 246, rev., 14 p. Apr. 1964. 275.29 V81B  
4-H Clubs.

## INTERNATIONAL RELATIONS

- 98662 FEDCHENKO, I. Results of joint efforts. (Rus) *Mezhdunarod. Sel'skokhoz. Zhur.* 2:5-9. 1964. 20 M57  
International cooperation in agriculture.
- 98663 FOREIGN affairs bibliography; a selected and annotated list of books on international relations, 1952-1962. New York, Bowker, 1964. 752 p. 241.3 C832  
Based largely on the annotated notes appearing quarterly in *Foreign Affairs* (280.8 F76)  
Includes section on agriculture.
- 98664 OTREPPE, P. D'. The FAO at the time of the 12th general assembly. (Fr) *Internatl. Assoc.* 16(7):407-411. July 1964. 280.9 Un394

## METEOROLOGY

- 98665 ADAMOVSKA, L., and RAJNOHA, S. Notes from the history of meteorological observations in the Gemer district to the year 1881 in relation to agriculture. (Cz) *Agrikultura* 2:207-215. 1963. 19.5 Ag8  
German summary.



- 98666 BRYANT, W. G. Some characteristics of the climate of the Hunter Valley of New South Wales. N. S. Wales. Soil Conserv. Serv. J. 20 (2):80-105, map. Ref. Apr. 1964. 56.9 N472
- 98667 GROTTOY, R. Climatic factors affecting Danish and Irish agricultural development. Aberystwyth. U. Col. Wales. Dept. Geog. Memo. 6: 44-51. 1963, pub. 1964. 501 Ab3
- 98668 HENDERSON, H. J. R. Rainfall probability and agricultural productivity. Aberystwyth. U. Col. Wales. Dept. Geog. Memo. 6: 52-57, map. Ref. 1963, pub. 1964. 501 Ab3
- 98669 JAO, H. Preliminary thoughts on meteorological work for technical improvement projects in agriculture. (Ch) Chung Kuo Nung Pao 7:11-15. July 1963. 22.5 C473
- 98670 JOHNSON, E. A. Meteorological observations for April 1964. Mass. Agr. Expt. Sta. Met. Ser. B. 904, 4 p. Apr. 1964. 100 M38H
- 98671 JOHNSON, E. A. Meteorological observations for February, 1964. Mass. Agr. Expt. Sta. Met. Ser. B. 902, 4 p. Feb. 1964. 100 M38H
- 98672 JOHNSON, E. A. Meteorological observations for May 1964. Mass. Agr. Expt. Sta. Met. Ser. B. 905, 4 p. May 1964. 100 M38H
- 98673 JOHNSON, E. A. Meteorological observations for June, 1964. Mass. Agr. Expt. Sta. Met. Ser. B. 906, 4 p. June 1964. 100 M38H
- 98674 KARNATZ, H. The course of the weather in the year 1963. (Ge) Obstbauversring. des Alten Landes. Mitt. 19(1):35-38. Jan. 1964. 85 J76
- 98675 KULIK, M. S. Agricultural meteorological forecasts. (Rus) Zemledelie 2:5-12. Feb. 1964. 20 Z44
- 98676 LUXEMBOURG. ADMIN. DES SERV. AGRICOLES. Annuaire meteorologique et hydrographique 1962 [Meteorological and hydrographical annual 1962]. Luxembourg, 1963. 168 p., map. 340.9 L97
- 98677 MCDONALD, B. K. Climate and agriculture in central British Columbia. Canada. Dept. Agr. P. 1190, 17 p., map. 1964. 7 C16Pu
- 98678 MASSEY, P. H. Tornado! What it is, how to survive it. La. U. Agr. Ext. Ext. P. 1381, 8 p.-folder, map. Apr. 1964. 275.29 L93Ep
- 98679 NORWAY. NORSKE METEOROLOGISKE INSTITUTT. Pentademidler for landbruket 1962 [Pentahedron averages for agriculture 1962]. Oslo, 1963. 24 p. 345 N832
- 98680 PERMETI, M. Condition created by the climate in the coastal land zone and some measures that can be taken to the advantage of agriculture. (Al) B. i Shkencave Bujqesore 2(4):80-101. Ref. 1963. 21.5 B87  
English summary.
- 98681 PFAU, R. Little weather science for the farmer. (Ge) Chem. u. Tech. in der Landwirt. 15(1):23-24. (Concl.) 1964. 384 C4292
- 98682 SHULMAN, M. D., and RANIERE, L. Thunderstorms in New Jersey. N. J. Agr. 46(3):3-5, map. May/June 1964. 275.28 N46
- 98683 WHEATON, R. Z., KIDDER, E. H., and EICHMEIER, A. H. Variation in summertime rainfall. Amer. Soc. Agr. Engin. Trans. ASAE 7(2): 114-115, map. 1964. 290.9 Am32T  
Sloan-Deer Creek Basin.
- 98684 YAKOVLEV, N. N. Studies on agricultural meteorology. (Rus) Trudy po Prikl. Bot. Genet. i Selek. 33(2):119-130, map. 1963. 451 R92  
English summary.

## PERSONNEL

- 98685 HARMON, F. L. A path to management development and to the measurement of its growth. U. S. D. A. Off. Personnel. Personnel Res. Ser. 63-2, 44 p. Feb. 1963. A249.39 Ag82P
- 98686 JOINT COMMITTEE OF THE DEPT. OF AGRICULTURE AND LAND GRANT UNIVERSITIES ON TRAINING FOR GOVERNMENT SERV. Report. n.p., 1963. 71 p. 249.39 L22  
Summary of topics discussed at the April 1-2, 1963 meeting.

## RESEARCH

- 98687 AHMED, S. Agricultural research promotion through radioisotopes and atomic energy in Pakistan. Trade & Indus. 8(4):506-507. Apr. 1964. 286.8 T674
- 98688 ARNHEM. INSTITUUT VOOR TOEGEPAST BIOLOGISCH ONDERZOEK IN DE NATUUR. Jaarverslag/annual report; ITBON in 1963. Arnhem. Inst. v. Toegepast Biol. Onderz. in de Nat. Meded. 65, 60 p. 1964. 423.92 C33  
Includes agricultural research.
- 98689 ARNON, I. Agricultural research and the five-year-plan. Agr. Israel 9(4):45. Jan. 1964. 22.5 Ag825
- 98690 CARVALHO, J. B. DE M. Instituto de Ensino e Pesquisas and the universities. (Por) Lavoura 66:24-25. July/Sept. 1963. 9.2 L39
- 98692 GIESSEN. JUSTUS LIEBIG-UNIVERSITÄT. Auszüge aus den Dissertationen der Landwirtschaftlichen Fakultät 1961 und 1962 [Extracts of dissertations of the Landwirtschaftliche Fakultät 1961 and 1962]. Giessen. Justus Liebig-U. Inst. f. Landwirt. Betriebslehre. Abt. f. Wirtberatung. Ergeb. Landwirt. Forsch. 6, 163 p. 1964. 241.8 G36
- 98693 HABASHI, W. The structure of agricultural research in the Sudan. Empire Cotton Growing Rev. 40(4):262-267. Oct. 1963. 72.8 Em7
- 98694 HISCOCKS, E. S. Research establishments in Europe. 41. The Tropical Products Institute. Chem. & Indus. 23:946-952. June 6, 1964. 382 M31C  
Agricultural research.
- 98695 KOSIC, V. Iskustva iz rada Poljoprivredne stаницe u Kragujevcu [Research work of Poljoprivredna stanica at Kragujevac]. Beograd, Zadruza Knjiga, 1963. 40 p. 106.6 K85
- 98696 NATIONAL RESEARCH COUNCIL OF THE PHILIPPINES. Twenty-first annual report covering the period from February 27, 1959 to February 25, 1960. Natl. Res. Council Philippines. B. 46, 342 p. Dec. 1963. 330.9 N218B  
Includes agricultural research.
- 98697 ONTARIO. AGRICULTURAL RESEARCH INSTITUTE. Annual report, April 1, 1962 to March 31, 1963. Ottawa, 1963. 225 p. 7 On87
- 98698 RUIZ SANTAELLA, J. Notes on agricultural research in the United States. (Sp) Spain. Inst. Nac. de Invest. Agron. Conf. 1964:51-82, map. 15 Sp18C
- 98699 SCRIVENOR, T. Cooperation in agricultural research. Commonwealth Phytopath. News 10 (1):1-2. Jan. 1964. 464.8 C73  
Commonwealth Agricultural Bureaux.
- 98700 STANKOWNA, Z. From the history of scientific research and agricultural progress in the far north of USSR. (Pol) Postepy Nauk Roln. 15(5):133-150, map. Ref. 1963. 20.5 P84  
A review of literature.
- 98701 SVANBERG, O. The German contribution to the field of agricultural research. (Ge) Verband Deut. Landwirt. Untersuchungs- u. Forschanst. Festschr. 75:44-47. Sept. 1963. 18 V588
- 98702 URUGUAY. MINISTERIO DE GANADERIA Y AGRICULTURA. CENTRO DE INVESTIGACIONES AGRICOLAS. Memoria anual [Annual report], 1963. La Estanzuela, 1964. 49 p. 9.9 Ur85
- 98703 UTAH. AGRICULTURAL EXPERIMENT STATION. Today's research, tomorrow's progress. Logan, 1964. 29 p., map. 100 Ut1Sp
- 98704 VERBAND DEUTSCHER LANDWIRTSCHAFTLICHER UNTERSUCHUNGS- UND FORSCHUNGSANSTALTEN. Festschrift zum 75. jährigen Jubiläum [Issue commemorative the 75th anniversary]. Frankfurt am Main, Sauerländer, 1963. 68 p. Ref. 18 V588

## STATISTICS

- 98705 INTERNATIONAL STATISTICAL INSTITUTE. Proceedings of the 34th session, Ottawa, 1963. 2 v. 251 In7B  
Papers in English and French.

## NEW PERIODICALS AND SERIALS

- ADVANCED MANAGEMENT JOURNAL. v.29, No.2. Apr.1964. New York, Society for Advancement of Management. 249.28 Ad92
- AGROTECNIA. Mar.1964. Balcarce, Centro de Estudiantes de Agronomía de Balcarce. 9 Ag822
- ALBERTA. DEPT. OF AGRICULTURE. FARM ECONOMICS BR. Arrowwood farm management analysis report, County of Vulcan. No.2. June 1962. Edmonton. 284.9 AL12Ar
- AMERICAN LIBRARY ASSOCIATION. REFERENCE SERV. DIV. RQ. v.1, No.3. Sept.1964. Chicago. 243.9 Am36
- CAMBRIDGE, ENGLAND. UNIVERSITY. DEPT. OF AGRICULTURE. FARM ECONOMICS BR. Technical report: work study. No.1. 1962. Cambridge. 281.9 C14T
- COLOMBIA. INSTITUTO DE ASUNTOS NUCLEARES. DIVISION DE APLICACIONES A LA INDUSTRIA. IAN-I. No.1. 1963. Bogota. 334.9 C71I
- CORNELL UNIVERSITY. COLLEGE OF AGRICULTURE. DEPT. OF POULTRY HUSBANDRY. Central New York random sample poultry test, Horseheads, New York; quarterly report—laying house results. Dec.7, 1960. Ithaca, N.Y. 47.9 C81C
- DESERT LOCUST NEWSLETTER. No.7. Apr. 1964. Rome, UNSF Desert Locust Project. Plant Production and Protection Division, Food and Agriculture Organization, of the United Nations. 421 D45
- ECONOMIC TRENDS. No.118. Aug.1963. London Central Statistical Office. 256 Ec72
- FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. The food and agriculture situation in Africa. Nov.20, 1962. Geneva. 281.9 F733Fo
- MEXICO (CITY) ESCUELA NACIONAL DE AGRICULTURA Y VETERINARIA. BIBLIOTECA CENTRAL. Boletín. No.1. Apr.1964. Chapingo. 241 M5732
- NORWAY. SKOGFORSOKSVESENET. Driftsteknisk rapport. No.2. 1961. Oslo. 99.9 N833D
- NOTICIERO CORPOFRUT. v.1, No.3. Jan.1, 1964. Cipolletti, Corporacion de Productores de Fruta de Rio Negro. 83 N84
- NUCLEAR SCIENCE AND ENGINEERING CORPORATION. Development of isotope dilution techniques for assay of food additives; quarterly status report. No.2. Sept.15/Dec.15, 1961. Pittsburgh, Pa. 381 N88
- ROCHESTER CONFERENCE ON DATA ACQUISITION AND PROCESSING IN BIOLOGY AND MEDICINE, 1962. Data acquisition and processing in biology and medicine; proceedings. v.2. 1964. New York, Macmillan. 326.9 R58
- ROYAL AGRICULTURAL WINTER FAIR. Prize list: horse show—breeding horses. 1960. Toronto. 42.06 R81
- SUOMEN AIKAKAUSLEHTI-INDEKSI. Index to Finnish periodicals. 1959, pub.1961. Turku, Turun Yliopiston Kirjasto. 241.11 Su72
- UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE FOR AFRICA, NAIROBI, 1963. Official reports of the proceedings, New York, 1963. v.1. 1963. 331.9 Un3
- UPPSALA. LANTBRUKSHOGSKOLAN. Aktuellt fran Lantbrukshogskolan. No.2. 1963. Uppsala. 11 Up62A
- YUGOSLAV SCIENTIFIC RESEARCH DIRECTORY. 1964. Belgrad. 239 Y9Ae

## TRANSLATIONS

Includes translations received in the Library during the preceding month. Except for articles in journals translated in full and received on subscription (starred items), the translations are included also in the classified section and indexed in the author and subject indexes. A cumulated list of translations will appear in the November issue.

No copies are available for distribution. Photocopies may be ordered from the Library.

- ALBERT. The outstanding significance of water conservation in the yield of our diluvial sands. 9 p. Transl. 13722  
Translation from Zeitschrift fur Forst- und Jagdwesen 56:193-202. Apr.1964.
- ALEKSEEV, N. N. On the determination of the potential of moisture transmission in tobacco. 10 p. Transl. 13605  
Translation from Vys. Ucheb. Zav. Pishch. Tekh. Izv. 4:144-149. 1962.
- AMMON, W. Some questions concerning the single-tree method. 11 p. Transl. 13772  
Translation from Schweizerische Zeitschrift fur Forstwesen 78:145-153, 177-183. 1927.
- \*ANDREEV, V. N. Scientific and practical recommendations on the production of reindeer meat. Prob. North 6:243-246. 1962. 475 P944Ae
- \*ARTEM'EV, G. V. Basic problems in the development of vegetable growing in covered ground in the Far North. Prob. North 6:171-177. 1962. 475 P944Ae
- ASAHINA, E. Analysis of freezing process of living materials. VI. Study on a freezing process of sap drop of plant cells. 7 p. Transl. 13603  
No source of translation given.
- AVRORIN, N. A. Vegetation on lands fallowed for various periods in the Kamennaya Steppe. 8 p. Transl. 13724  
Translation from Akademiya Nauk SSSR. Botanicheskii Institut im. V. L. Komarova. Trudy. Seriya 3, Geobotanika 1:187-193. 1933.
- BASOV, A. M., and IZAKOV, F. YA. Electric corona separation of grain. 9 p. Ref. Transl. 13601  
Translation from Vestnik Sel'skokhozyaistvennoi Nauki 1:107-113. Jan.1962.
- BAZILEVICH, N. I., and RODIN, L. E. Peculiarities of the reduced biological cycle in zones characterized by various soils and flora. 6 p. Ref. (OTS 63-11028) Transl. 13519  
Translation from Akademiya Nauk SSSR. Doklady 97(6):1061-1064. 1954.
- BELJERINCK, W. Humus hardpan and leached sand as formed by opposite climates. 7 p. Ref. Transl. 13746  
Translation from Koninklijke Akademie van Wetenschappen te Amsterdam 37(2):93-99. 1934.
- \*BEKLEMISHEV, V. N. Protection of inhabitants of the north against biting flies. Prob. North 6:91-93. 1962. 475 P944Ae
- BERNACKI, H. The problem of plowing speed. p.80-101. (OTS 60-21569) 33.32 R59  
Translation from Roczniki Nauk Rolniczych. Seria C 67(3):357-381. 1958.
- BERNACKI, H. The problem of stability of mounted implements. p.102-182. Ref. (OTS 60-21569) 33.32 R59  
Translation from Roczniki Nauk Rolniczych. Seria C 67(4):419-509. 1960.
- BERZHE, YU. S., and HAIKINA, B. M. The fundamental problems of the industrialization of forestation. 3 p. Transl. 13747  
Translation from Na Lesokulturnom Fronte 1:34-38. 1932.



BORNEBUSCH, C. H. Impressions from a journey to Germany and Bohemia. 14 p. Transl. 13728

Translation from Dansk Skovforenings Tidsskrift 11:121-140. 1926.

BUNNING, E. The physiological clock; endogenous diurnal rhythms and biological chronometry. 145 p. Ref. 442 B88Ae

Translation of Edition 2 of Die Physiologische Uhr.

CHERNOV, V. A. The nature of soil acidity. 170 p. Ref. 56.42 C42Ae

Translation of O prirode pochvennoi kislotnosti.

CHIA-HSIANG, W. Planning for national forests. p.19-26. Transl. 12989

Translation from Chung-kuo Lin-yeh 6:12-13. 1962.

CHODZICKI, E. Soil biological research applied to the question of beech underplanting in pine stands. 12 p. Transl. 13751

Translation from International Congress of Forestry Experimental Stations, Stockholm, 1929. Proceedings p.577-588.

\*DANISHEVSKII, G. M. The problems involved in providing the population of the polar regions with fresh agricultural products of high nutritional value; the direction of development of agriculture in the North in the light of health care for adults and children in the northern regions of the Soviet Union. Prob. North 6:157-164. 1962. 475 P944Ae

DMOCH, J. Investigations on the cabbage seed-stalk curculio (Ceutorhynchus Quadridens Panz.). p.85-111. Ref. (OTS 60-21574) 464 P87

Translation from Poznan. Instytut Ochrony Roslin. Prace Naukowe 1(3):37-72. 1959.

\*DOBROBRADOVA, N. P., and KUINDZHI, N. N. Nutrition and some aspects of metabolism of the indigenous population of the Far North. Prob. North 6:115-117. 1962. 475 P944Ae

\*EFREMOV, V. V. Hygienic basis and methods of organizing a rational diet for the inhabitants of the Far North. Prob. North 6:105-113. 1962. 475 P944Ae

FRACZEK, M. The new functions of the agricultural circles. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 246:18-24. Apr.30,1964. 173 J663Ste

Translation from Zycie Gospodarcze 14:8. Apr.5,1964.

FREITAG, R. Preserved egg products of varying tastes. Exotic delicacies: Pidan, incubated eggs, Balut, eggs in loam. 2 p. Transl. 13438

Translation from Deutsche Lebensmittel-Rundschau 54(5). 1960.

FU-SHENG, F. The problem of rotational felling system in China's forestry. p.44-55. Transl. 12989

Translation from Chung-kuo Lin-yeh 6:24-26. 1962.

GEISLER, G. Zoospore formation and germination in Plasmopara viticola in relationship to osmotic pressure values. 7 p. Transl. 13379

Translation from Vitis 2:40-44. Mar.1959.

GLIGIC, V. The use of colchicine method for solution of causal morphological problems. 6 p. (OTS 60-21690) Transl. 13378

Translation from Sarajevo. Zemaljski Muzej. Prirodnih Nauka. Serija I, Novitates 1:1-4. 1945.

GOLEBIEWSKA, Z., and BOCZEK, J. The extent of damage caused by the gout fly (Chlorops pumilionis Bj.). p.27-49. Ref. (OTS 60-21574) 464 P87

Translation from Poznan. Instytut Ochrony Roslin. Prace Naukowe 1(1):107-134. 1959.

GOLOVA, O. P., EPSTEIN, YA. E., and DOBRYNINA, L. I. The effect of inorganic components on the cleavage of C-C-bonds during thermal degradation of cellulose. 6 p. Transl. 13621

Translation from Vysokomolekulyarnye Soedineniya 3(4). 1961.

\*GOLOVKIN, B. N. Making a selection of plants for the cultivation of greenery in the Soviet Arctic. Prob. North 6:227-230. 1962. 475 P944Ae

GONZALEZ, A. G., and DIAZ RODRIGUEZ, F. Alkaloids in plants of the Canary Islands. VII. Nicotiana glauca and Nicotiana paniculata. 14 p. Transl. 13380

Translation from Sociedad Espanola de Fisica y Quimica. Anales. Series B: Quimica 58:431-436. 1962.

GRABER, E. The Ire and its Basin. 6 p. Transl. 13737

Translation from Revue des Eaux et Forets. 7 Series 70:203-209. [n.d.]

GRAU, R., and HAMM, R. A simple method for the determination of the binding of water in muscle. 4 p. Transl. 13489

Translation from Naturwissenschaften 40(1): 29-30. 1953.

GREBENNIKOV, E. P., SOROKA, V. R., and SABADASH, E. V. Trace elements in human and animal milk. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 23(3,pt.2):T461. May/June 1964. 442.9 F31P

GROCHOWSKI, J. The research method concerning the influence of thinnings and clearings upon the development and growth of trees and stands. 5 p. Transl. 13780

Translation from International Congress of Forest Experimental Stations, Stockholm, 1929. Proceedings p.243-247.

GRYSIAK, J. Concentration of equipment in the agricultural circles: Poland. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 230:1-8. Feb.29,1964. 173 J663Ste

Translation from Nowe Rolnictwo 1:10-13. Jan.1964.

GUREVICH, G. P. Soil fertilization with coastal iodine sources as a prophylactic measure against endemic goiter. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 23(3,pt.2):T511-T514. Ref. May/June 1964. 442.9 F31P

HAYASHI, A. Studies on the chemical combination between lignin and carbohydrate. X. On the existence of phenol- $\beta$ -glycoside bond. 8 p. Transl. 13381

Translation from Agricultural Chemical Society of Japan. Journal 35:83-86. 1961.

HSI-LIN, K., KAI-HSIN, J., and CHIH-HSIEN, W. The use of "Su-yun" Bacillariaceae to combat caterpillars. p.38-43. Transl. 12989

Translation from Chung-kuo Lin-yeh 6:22-23. 1962.

IJJASZ, E. The meteorological factors of soil-lifting by frost and the part that frost lines play in such damage. 2 p. Transl. 13801

Translation from Erdeszeti Kiserletek 35(3): 318-319. 1933.

IVANOV, V. K. Meteorological observations taken in the Suburban Forest of the Siberian Institute for Agriculture and Forestry in 1925. 15 p. Transl. 13803

Translation from Siberian Institute of Agriculture and Forestry. Forestry Section. Report 7(1/3):93-105. 1927.

\*IVANOVSKII, A. I. Practical scientific recommendations for the growing of agricultural crops in the Far North. Prob. North 6:165-170. 1962. 475 P944Ae

JUGOVIZ, R. The importance of the subsoil and underlying rock for the ground water regime. 6 p. Transl. 13809

Translation from Forstarchiv 5:281-284,297-300. 1929.

KARWOWSKI, T. Technological and constructional problems concerning mechanized harvesting of sugar beets. p.1-79. (OTS 60-21569) 33.32 R59

Translation from Roczniki Nauk Rolniczych. Seria C 67(1):1-100. 1957.

KISSER, J., and LOHWAG, K. Histochemical experiments with lignified cell walls. 8 p. Ref. Transl. 13473

No source of translation given.

- KLOCEK, F. Balance of fodder for the farm year 1963/1964. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 218:16-21. Jan. 7, 1964. 173 J663Ste  
Translation from Nowe Rolnictwo 19:1-2. Oct. 1/15, 1963.
- KMOTIZEK. How stands it with the wooden tie in the German Republic? Cross Tie B. 45(5): 9-12. May 1964. 99.82 C87  
Translation from Holzschwelle, Oct. 1963.
- \*LASSOTA, Z. The action of  $\gamma$ -rays on eggs, larvae and pupae of *Bombyx mori*. Acta Biochim. Polon. 10(4):379-386. May 1963. 385 Ac85Ae
- LAVAUDEN, L. The colonial forest problem. 12 p. Transl. 13831  
Translation from Revue des Eaux et Forets 68:92-100. 1930.
- \*LECH, W., and REIFER, I. Pectinase inhibitor in red currant leaves. Acta Biochim. Polon. 10(4):449-454. 1963. 385 Ac85Ae
- MAGYAR, P. Root studies in plant gardens and on Szik soils. 13 p. Transl. 13839  
Translation from Erdeszeti Kiserletek 31: 229-243. 1929.
- \*MEL'NIKOV, N. N., KHASKIN, B. A., and SHVETSOVA-SHILOVSKAYA, K. D. Organic insectofungicides. LXX. Thione-thiol isomerization of some phosphorothioic and phosphorodithioic esters in their reaction with amines. J. Gen. Chem. USSR 33(8):2394-2398. Aug. 1963. 385 Z6Ae
- MICHI, K., HASEGAWA, Y., and OUYE, K. Studies on dietary utilization of soybean meal. II. Trypsin inhibiting activity and nutritive value of soybean protein. 10 p. Ref. Transl. 13640  
Translation from Agricultural Chemical Society of Japan, Journal 37(1):21-24. 1963.
- \*MOLCHANOVA, O. P. Physiological standards of nutrition for the population of the Far North. Prob. North 6:63-64. 1962. 475 P944Ae
- MOLEND, T. The economic requirements of forestry in the fiscal year 1963/1964: Poland. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 230:15-21. Feb. 29, 1964. 173 J663Ste  
Translation from Las Polski 3:1,2,7. Feb. 1/15, 1964.
- MOLEND, T. Realization of the plan of technical progress and the tasks of the Ministry of Forestry and the Lumber Industry for 1964; Poland. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 226:47-58. Feb. 20, 1964. 173 J663Ste  
Translation from Przemysl Drzewny 14(12): 5-8. Dec. 1963.
- \*MOSHKOV, B. S. The importance of artificial light for growing plants in covered ground. Prob. North 6:187-191. 1962. 475 P944Ae
- \*MOSLIEV, I. T. Scientific and practical recommendations for the raising of poultry in the Far North. Prob. North 6:231-234. 1962. 475 P944Ae
- NARKIEWICZ-JODKO, J. Preliminary investigations over the influence of seeding time and environment on the propagation of virus diseases in beet. p.112-125. Ref. (OTS 60-21574) 464 P87  
Translation from Poznan. Instytut Ochrony Roslin. Prace Naukowe 1(3):75-91. 1959.
- NEMEC, A. The influence of the raking of litter upon the chemical composition of the soil, needles, and wood of pines. 10 p. Transl. 13859  
Translation from Allgemeine Forst- und Jagdzeitung 109. July 1933.
- \*NIKOLAEV, A. B. On the utilization of wild medicinal food, fodder, and other economically valuable plants of the Far North of the Soviet Union. Prob. North 6:207-218. 1962. 475 P944Ae
- \*NIKONOV, G. K., and IVASHENKO, A. A. The chemical structure of Morison's mountain parsley (*Peucedanum morisonii* Bess.). J. Gen. Chem. USSR 33(8):2668-2671. Ref. Aug. 1963. 385 Z6Ae
- \*NIKONOV, G. K., VEREMEL, R. K., and KURVAEV, V. B. Lactones of the fruit of *Chimanga angelica* (*Archangelica tschimganica*). J. Gen. Chem. USSR 33(8):2672-2673. Aug. 1963. 385 Z6Ae
- \*NORIN, B. N. The importance of natural forests and afforestation for the acclimatization of man in the North. Prob. North 6:219-225, map. 1962. 475 P944Ae
- \*NOVOSELOV, A. A. Introduction of the simplest methods for growing vegetables at home by the inhabitants of the Far North. Prob. North 6:193-198. 1962. 475 P944Ae
- PAL GULYAS, P. G. What statistics fail to reveal. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 246:1-4. Apr. 30, 1964. 173 J663Ste  
Translation from Magyar Mezogazdasag 13:4. Mar. 25, 1964.
- PETOHAZI, G. Awards of premiums to technical and administrative employees of state farms and to workers of production Directorates: Hungary. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 231:1-7. Mar. 4, 1964. 173 J663Ste  
Translation from Mezogazdasagi Ertesito 15(4):54-56. Jan. 22, 1964.
- PETRINI, S. An error in Faustmann's formula. 8 p. Transl. 13877  
Translation from Tharandter Forstliches Jahrbuch 86(4/5):246-252. [n.d.]
- PETROVIC, D. Foreign varieties of forest trees (exotics) in Serbia. 169 p. Ref. (OTS-60-21630) 463.3 B41  
Translation of Strane vrste drveca (egzoti) u Srbiji.
- PEZACKI, W., and others. The effect of air temperature and humidity in the ripening chamber on the development of the surface microflora of Hungarian salami. 7 p. (OTS 61-31265) Transl. 13370  
H. Opuszyńska, B. Dzierzowska, and A. Goj, joint authors.  
Translation from Medycyna Weterynaryjna 13(9):526-532. 1957.
- PIENIAZEK, S. A. Horticulture-present situation and projected development: Poland. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 230:9-14. Feb. 29, 1964. 173 J663Ste  
Translation from Nowe Rolnictwo 1:39-41. Jan. 1964.
- PILIPENKO, V. G., and MIROSHNICHENKO, M. G. Compatibility of STI anthrax vaccine with plague, tularemia and brucellosis vaccines. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 23(3,pt.2):T551-T554. Ref. May/June 1964. 442.9 F31P
- PLANK, R. The cold storage capacity of foods as a function of temperature. 17 p. Ref. Transl. 13650  
Translation from Kaltetechnik 11(10):306-310. [n.d.]
- POPOV, M. G. On the system and phylogeny of the genus *Mertensia* Roth (Boraginaceae), based on the comparison of American and Asiatic species. 18 p. Transl. 13465  
Translation from Akademiya Nauk SSSR. Botanicheskii Institut im. V. L. Komarova, Gorbarii. Botanicheskie Materialy v. 15. 1953.
- \*REIFER, I., and MORAWSKA, G. An arginase inhibitor from sunflower seeds (*Helianthus annuus*). Acta Biochim. Polon. 10(4):413-417. 1963. 385 Ac85Ae
- RIEDEL, L. On the problem of bound water in meat. 26 p. Transl. 13653  
Translation from Kaltetechnik 13(3):122-128. 1961.
- \*RYBALKO, K. S. Sesquiterpenic lactones of white and Austrian wormwoods (*Artemisia leucodes* Schrenk and *A. austriaca* Jacq.). J. Gen. Chem. USSR 33(8):2663-2667. Aug. 1963. 385 Z6Ae
- \*SALIT, N. I., and SADYKOV, A. S. Esters of citric and malic acids. J. Gen. Chem. USSR 33(8):2674-2676. Aug. 1963. 385 Z6Ae



SCANGA, F. Atlas of electron microscopy; biological applications. 331 p. 440 Sca6Ae  
Revised translation of *Atlante di Microscopia Elettronica*, Il Pensiero Scientifico.

SLASTENKO, YE. N. The distribution of productive forces and the effacing of differences between town and countryside. *Soviet Geog. Rev. & Transl.* 5(2):24-32. Feb. 1964. 331.8 So8  
Translation from *Voprosy Filosofii* 11:66-74. 1963.

STACHYRA, T. Degenerative diseases of hops in Poland. p.126-157. Ref. (OTS 60-21574) 464 P87

Translation from Poznan. Instytut Ochrony Roslin. *Prace Naukowe* 1(3):95-131. 1959.

SZULC, P. Investigations on effects of cultivation on losses in winter rape yields caused by pests. p.50-84. Ref. (OTS 60-21574) 464 P87

Translation from Poznan. Instytut Ochrony Roslin. *Prace Naukowe* 1(1):231-273. 1959.

T'AI-JAN, L. Plant more wood beans to augment feed. p.32-37. Transl. 12989

Translation from Chung-kuo Lin-yeh 6:15. 1962.

TERSKOV, I. A., and KOLOMIETS, N. G. Attraction of the moths of Siberian silkworm—*Dendrolimus sibiricus* Tschetv. (Lepidoptera, Lasiocampidae) by the ultra-violet light. 4 p. Transl. 13666

Translation from *Entomologicheskoe Obozrenie* 41(2):306-309. 1962.

\*TIKHOMIROV, B. A. The problems of utilizing edible wild plants in the Far North of the U.S.S.R. *Prob. North* 6:199-205. Ref. 1962. 475 P944Ae

T'ING, L. The results and experiences of farm protection forest belt in the Manas reclamation area. p.11-18. Transl. 12989

Translation from Chung-kuo Lin-yeh 6:11-12. 1962.

VAKHRUSHIN, G. S. Snow-protective strips, with participation of spruce, in the forest-steppe districts of the Omsk Region. p.29-30. (OTS 63-11005) 340 Is7

Translation from *Lesnoe Khozyaistvo* 5(6): 51-52. 1955.

VERES, J. 1964-1965 admissions of skilled worker apprentices and students in secondary schools organized in apprentice institutes: Hungary. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 231:8-16. Mar. 4, 1964. 173 J663Ste

Translation from *Mezogazdasagi Ertesito* 15(4):56-59. Jan. 22, 1964.

WEGOREK, W., and WILUSZ, Z. The influence of mass application of insecticides on the zoocenosis of potato fields. p.1-26. Ref. (OTS 60-21574) 464 P87

Translation from Poznan. Instytut Ochrony Roslin. *Prace Naukowe* 1(1):7-44. 1959.

WEGOREK, W. Studies on the direct and indirect influence of the photoperiod on the development and physiology of the Colorado potato beetle (*Leptinotarsa decemlineata* Say) p.158-176. Ref. (OTS 60-21574) 464 P87

Translation from Poznan. Instytut Ochrony Roslin. *Prace Naukowe* 1(2):5-27. 1959.

WEINTRAUB, I. A. N-terminal amino acids of soybean seed globulins. 8 p. Ref. Transl. 13675

Translation from Kishinev. State University. *Transactions on Chemistry of Natural Compounds*. 4. 1961.

WEINTRAUB, I. A. A study of the globulins of soybean seeds through paper electrophoresis. 11 p. Ref. Transl. 13676

Translation from Kishinev. State University. *Transactions on Chemistry of Natural Compounds*. 3. 1960.

WIELBURSKI, R. Observations concerning structural changes in agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 227:1-20. Feb. 24, 1964. 173 J663Ste

Translation from *Postepy Nauk Rolniczych* 10(4):3-20. July/Aug. 1963.

\*YOFFE, A. F. What modern science and technology can give to the North. *Prob. North* 6:95-97. 1962. 475 P944Ae

YUNG-AN, W. Forestry resources statistical work of Yunnan Province. p.27-31. Transl. 12989

Translation from Chung-kuo Lin-yeh 6:14. 1962.

ZALESKI, M. Vegetable seed situation. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 218:22-28. Jan. 7, 1964. 173 J663Ste

Translation from *Nowe Rolnictwo* 19:38-40. Oct. 1/15, 1963.

\*ZHURBITSKII, Z. I. Scientific and practical recommendations for the cultivation of agricultural plants in the Far North. *Prob. North* 6: 179-185. 1962. 475 P944Ae

## CHECKLISTS

Checklists of publications of the U. S. D. A., State Agricultural Experiment Stations, and State Agricultural Extension Services are prepared for the convenience of those who wish to follow the literature from these sources. All such publications are included also in the classified section and indexed in the author and subject indexes.

U. S. D. A. PUBLICATIONS

Periodicals issued by the Department are listed in the November issue only; articles in them are indexed currently.

Domestic requests for publications in the various Department series will be filled free to libraries upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the supply lasts. They may also be purchased from the Superintendent of Documents, Washington 25, D. C.

Bureau publications may ordinarily be obtained free of charge from the issuing bureau as long as the supply lasts.

Foreign institutions, organizations and agencies which issue publications may obtain United States Department of Agriculture publications in exchange by writing to the United States Department of Agriculture Library, Washington 25, D. C.

Agriculture Handbooks

GULICH, A. R., and FITZGERALD, J. C. Egg grading manual. U. S. D. A. Agr. Handb. 75, rev. 64 p. May 1964. 1 Ag84Ah

REINHART, K. G., and PIERCE, R. S. Stream-gaging stations for research on small watersheds. U. S. D. A. Agr. Handb. 268, 37 p. Ref. May 1964. 1 Ag84Ah

Foreign Agricultural Economic Reports

BOGUMILL, J. P., and GOOLSBY, O. H. Financial procedures under Public Law 480; emphasis on Titles I and IV of the Agricultural Trade Development and Assistance Act. U. S. D. A. Foreign Agr. Econ. Rpt. 17, 20 p. May 1964. A281.9 Ag8F

Leaflets

U. S. AGRICULTURAL RESEARCH SERV. CONSUMER AND FOOD ECONOMICS RESEARCH DIV. Eat a good breakfast to start a good day. U. S. D. A. L. 268, rev. 8 p.-folder. June 1964. 1 Ag84L

Marketing Bulletins

KENNETT, H. C., and FITZGERALD, J. C. Shell egg grading and inspection of egg products. U. S. D. A. Mktg. B. 30, 25 p. June 1964. A280.39 Ag8M

Statistical Bulletins

U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. Changes in farm production and efficiency; a summary report, 1964. U. S. D. A. Statis. B. 233, rev., 50 p., map. July 1964. 1 Ag84St

Unnumbered Publications

U. S. DEPT. OF AGRICULTURE, PAPERWORK MANAGEMENT COUNCIL. Operation "Microfilm-USDA," by J. A. Vlachos, E. W. Schultz, and C. E. Wylie. Washington, 1963. 12 p. A332.9 Ag82

AGRICULTURAL MARKETING SERVICE

OVERHEIM, R. K., and HAYES, J. T. Baton Rouge wholesale food-distribution facilities—status report. U. S. Agr. Mktg. Serv. AMS-536, 11 p. June 1964. A280.39 M34Am  
Louisiana State Dept. of Agriculture and Immigration, cooperating.

AGRICULTURAL RESEARCH SERVICE

U. S. AGRICULTURAL RESEARCH SERV. Edible soybean protein products, a list of publications and patents for 1962 of the Northern Utilization Research and Development Division, Peoria, Illinois. U. S. Agr. Res. Serv. ARS-71-26-1, 2 p. Jan. 1963. A381 R31Ac

U. S. DEPT. OF AGRICULTURE, DAIRY RESEARCH AND MARKETING ADVISORY COMMITTEE. Report and recommendations of the eighteenth meeting, Ames, Iowa, 1963. Washington, U. S. Agr. Res. Serv., 1963. 5 p. 1.90 R3M47

U. S. DEPT. OF AGRICULTURE, DECIDUOUS FRUIT AND TREE NUT RESEARCH AND MARKETING ADVISORY COMMITTEE. Report and recommendations of the fourteenth meeting, Washington, 1963. Washington, U. S. Agr. Res. Serv., 1963. 12 p. 1.98 R2923

U. S. DEPT. OF AGRICULTURE, ECONOMICS RESEARCH ADVISORY COMMITTEE. Report and recommendations of the tenth meeting, Washington, 1963. Washington, U. S. Agr. Res. Serv., 1963. 14 p. A281.9 R312

U. S. DEPT. OF AGRICULTURE, FARM EQUIPMENT AND STRUCTURES RESEARCH ADVISORY COMMITTEE. Report and recommendations of the eighth meeting, Phoenix and Tucson, 1963. Washington, U. S. Agr. Res. Serv., 1963. 12 p. A58.9 R312

U. S. DEPT. OF AGRICULTURE, FOOD DISTRIBUTION RESEARCH AND MARKETING ADVISORY COMMITTEE. Report and recommendations developed at the ninth meeting, Washington, 1963. Washington, U. S. Agr. Res. Serv., 1963. 4 p. A280.39 R314

U. S. DEPT. OF AGRICULTURE, GRAIN RESEARCH AND MARKETING ADVISORY COMMITTEE. Report and recommendations developed at the nineteenth meeting, Albany, California, 1963. Washington, U. S. Agr. Res. Serv., 1963. 14 p. 1.90 R3R244

U. S. AGRICULTURAL RESEARCH SERV. PLANT PEST CONTROL DIV. The imported fire ant; program and progress. U. S. Agr. Res. Serv. ARS-81-9-1, 10 p. Nov. 1963. A423.9 R31

U. S. DEPT. OF AGRICULTURE, POULTRY RESEARCH AND MARKETING ADVISORY COMMITTEE. Report and recommendations of the eighteenth meeting, Ames, Iowa, 1963. Washington, U. S. Agr. Res. Serv., 1963. 5 p. 1.90 R3R299

U. S. DEPT. OF AGRICULTURE, SHEEP AND WOOL RESEARCH AND MARKETING ADVISORY COMMITTEE. Report and recommendations of the fifteenth meeting, Ames, Iowa, 1963. Washington, U. S. Agr. Res. Serv., 1963. 7 p. 1.98 R297

U. S. DEPT. OF AGRICULTURE, SOILS, WATER AND FERTILIZER RESEARCH ADVISORY COMMITTEE. Report and recommendations developed at the tenth meeting, Phoenix and Tucson, 1963. Washington, U. S. Agr. Res. Serv., 1963. 12 p. A56.9 R312



**AGRICULTURAL RESEARCH SERVICE**

JANSMA, J. D., and BACK, W. B. Local secondary effects of watershed projects: a case study of Roger Mills County, Oklahoma. U. S. D. A. Econ. Res. Serv. ERS-178, 28 p. May 1964. A281.9 Ag83E

Oklahoma Agricultural Experiment Station, cooperating.

SHAPIRO, H. Farm personal property taxes, 1957-62. U. S. D. A. Econ. Res. Serv. ERS-176, 21 p., map. June 1964. A281.9 Ag83E

STODDARD, E. O. Costs and returns, commercial broiler farms, Maine, Delmarva and Georgia, 1963. U. S. D. A. Econ. Res. Serv. FCR-26, 14 p., map. June 1964. A281.12 Ag84F

UMSTOTT, H. D. Public Law 480 and other economic assistance to United Arab Republic (Egypt). U. S. D. A. Econ. Res. Serv. ERS-Foreign-83, 34 p., map. Ref. June 1964. A281.9 Ag83

U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Charges for ginning cotton, costs of selected services incident to marketing, related information, season 1963-64. U. S. D. A. Econ. Res. Serv. ERS-2, 2 p. May 1964. A281.9 Ag83E

U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Freeze-dried foods and the frozen food industry. Washington, 1963. 24 p. A389.3 Ag822

U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. A summary and evaluation of a report by F. Ginor, Bank of Israel, Tel-Aviv, Israel, entitled: Analysis and assessment of the economic effect of the U. S. Public Law 480, Title I, Program in Israel. Washington, 1963. 36 p. A280.185 Ag822

Not available for free distribution. Photocopies may be ordered from the Library.

U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. U.S. foreign agricultural trade by countries, fiscal year 1962-63; a supplement to the monthly Foreign Agricultural Trade of the United States. n.p., 1964. 82 p. A286.9 Ag8Fco

WUNDERLICH, G. Land reform in western India: analysis of economic impacts of tenancy legislation, 1948-63. U. S. D. A. Econ. Res. Serv. ERS-Foreign-82, 46 p., map. Ref. June 1964. A281.9 Ag83

**FARMER COOPERATIVE SERVICE**

CAMP, T. H. Motortruck operating costs of farmer cooperatives. U. S. Farmer Coop. Serv. Gen. Rpt. 121, 10 p. June 1964. A280.29 F22G

MANUEL, M. L. Improving management of farmer cooperatives. U. S. Farmer Coop. Serv. Gen. Rpt. 120, 47 p. Ref. June 1964. A280.29 F22G

**FEDERAL CROP INSURANCE CORPORATION**

U. S. FEDERAL CROP INSURANCE CORPORATION. What is your cotton crop really worth to you? Washington, 1964. 6 p.-folder. A284.6 F31Wh

**FEDERAL EXTENSION SERVICE**

PAULLING, J. R. New crop varieties, summer 1963. U. S. Fed. Ext. Serv. New Crop Varieties 5, 17 p. Aug. 1963. A64.9 F31

**FOREIGN AGRICULTURAL SERVICE**

MEHR, S. Cherry production in France. U. S. Foreign Agr. Serv. FAS-M-158, 32 p., map. June 1964. A281.9 F76Fm

SCHILLING, G. A. W. How U. S. cotton is sold for export. U. S. Foreign Agr. Serv. FAS-M-71, rev., 51 p. June 1964. A281.9 F76Fm

U. S. FOREIGN AGRICULTURAL SERV. Prospects for foreign trade in dairy cattle and dairy and poultry products. Washington, 1964. 19 p. Ref. A286.9 F76P

U. S. FOREIGN AGRICULTURAL SERV. Prospects for foreign trade in wheat, rice, feed grains, dry peas, dry beans and seeds. Washington, 1964. 29 p. A286.9 F76Prf

U. S. FOREIGN AGRICULTURAL SERV. U.S. grain exports under government programs, 1962-63; wheat and flour, coarse grains, rice. U. S. Foreign Agr. Serv. FAS-M-142, rev., 15 p. May 1964. A281.9 F76Fm

**FOREST SERVICE**

BATZER, H. O., and WATERS, W. E. Forest tent caterpillar [Malacosoma dissstria]. U. S. Forest Serv. Forest Pest L. 9, rev., 4 p. June 1964. A423.9 F764

BEUTER, J. H. 1961 Washington log production. U. S. Forest Serv. Resource Rpt. PNW-1, 2 p. Jan. 1963. A99.9 F7625Un

CHOATE, G. A. The forests of Wyoming. U. S. Forest Serv. Resource B. INT-2, 45 p., map. Ref. 1963. A99.9 F764Ub

CHRISTOPHER, J. F. Mississippi forest industry statistics, 1962. U. S. Forest Serv. Resource B. SO-4, 24 p., map. 1963. A99.9 F7628Ur

DROOZ, A. T. Elm spanworm [Ennomos subsignarius] head-capsule measurements. U. S. Forest Serv. Res. Note SE-12, 1 p. Sept. 1963. A99.9 F7623Un

HAZARD, J. W. Forest statistics for Chelan and Douglas Counties, Washington, 1959-60. U. S. Forest Serv. Resource Rpt. PNW-5, 26 p., map. May 1963. A99.9 F7625Un

HAZARD, J. W. Forest statistics for northeast Washington. U. S. Forest Serv. Resource Rpt. PNW-4, 30 p., map. May 1963. A99.9 F7625Un

METCALF, M. E. 1962 Oregon log production. U. S. Forest Serv. Resource Rpt. PNW-2, 2 p. Apr. 1963. A99.9 F7625Un

PACIFIC SCIENCE CONGRESS, 10, HONOLULU, 1961. Organization and development of research in forestry in the Pacific region; a symposium of papers. Berkeley, U. S. Forest Serv. Pacific Sownest. Forest & Range Expt. Sta., 1962. 53 p. Ref. 330.9 P1940

REYNOLDS, H. G., and JOHNSON, R. R. Habitat relations of vertebrates of the Sierra Ancha Experimental Forest. U. S. Forest Serv. Res. Paper RM-4, 16 p. Mar. 1964. A99.9 F7632U

U. S. FOREST SERV. Forest insect conditions in the United States, 1963. Washington, 1964. 39 p. A423.9 F763

U. S. FOREST SERV. Olympic National Forest in 1963. Olympia, 1964. 8 p. A99.9 OL9

U. S. FOREST SERV. INTERMOUNTAIN FOREST AND RANGE EXPERIMENT STATION. Annual report, 1963. Ogden, 1964? 58 p. 1.9622 I2An7

U. S. FOREST SERV. LAKE STATES FOREST EXPERIMENT STATION. Annual report, 1963. St. Paul, 1964? 63 p., map. 1.9 F7621

U. S. FOREST SERV. NORTHEASTERN FOREST EXPERIMENT STATION. Annual report, 1963. Upper Darby, Pa., 1964. 110 p., map. 1.9 F76222

U. S. FOREST SERV. PACIFIC NORTHWEST REGION. Multiple use highlights, 1963. Washington, 1963. 29 p., map. A99.9 F768M

U. S. FOREST SERV. PACIFIC NORTHWEST REGION. A survey of western pine beetle damage on the Fremont National Forest using color photographs, by R. E. Dolph, and J. F. Wear. Portland, Oreg., 1963. 15 p., map. A423 F7682

U. S. FOREST SERV. PACIFIC SOUTHWEST FOREST AND RANGE EXPERIMENT STATION. Annual report, 1963. Berkeley, 1964? 52 p.,map. Ref. 1.9 F7626Ann

U. S. FOREST SERV. PACIFIC SOUTHWEST FOREST AND RANGE EXPERIMENT STATION. Fifth progress report, 1961-62 and 1962-63, California cooperative snow management research, by H. W. Anderson, L. G. Richards, and M. E. Groshong. Berkeley, 1963. p.204-253, map. Ref. A292.9 F762

State of California, Department of Water Resources, cooperating.

U. S. FOREST SERV. PACIFIC SOUTHWEST FOREST AND RANGE EXPERIMENT STATION. Pocket guide to the improved grading system for ponderosa pine and sugar pine saw logs in trees, by E. M. Gaines. Berkeley, 1964. 52 p. A99.76 F767P

U. S. FOREST SERV. ROCKY MOUNTAIN FOREST AND RANGE EXPERIMENT STATION. 1963 annual report. Fort Collins, 1964. 77 p.,map. 1.9 F7627A

U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. 1963 at the Southern Forest Experiment Station. New Orleans, 1964. 71 p.,map. 1.9 F7624

#### PERSONNEL, OFFICE OF

HARMON, F. L. A path to management development and to the measurement of its growth. U. S. D. A. Off. Personnel. Personnel Res. Ser.63-2,44 p. Feb.1963. A249.39 Ag82P

#### SOIL CONSERVATION SERVICE

ARMS, F. S., and others. Soil survey of Adair County, Kentucky. U. S. Soil Conserv. Serv. Soil Survey Ser. 1961(4),127 p.,map. Ref. Apr. 1964. 1 So32F

D. S. Henry, A. S. Johnson, W. R. Partin, T. G. Sparks, and O. Whitaker, joint authors. Kentucky Agricultural Experiment Station, cooperating.

ARNO, J. R., and others. Soil survey of Aroostook County, Maine, northeastern part. U. S. Soil Conserv. Serv. Soil Survey Ser. 1958(27), 80 p.,map. Ref. Apr.1964. 1 So32F

J. S. Hardesty, R. B. Willey, W. H. Farley, B. W. McEwen, K. P. Wilson, A. D. Backer, J. E. McCuen, A. P. Faust, and S. Michaels, joint authors.

Maine Agricultural Experiment Station, cooperating.

COLE, W. A., and others. Soil survey of Jackson County, Mississippi. U. S. Soil Conserv. Serv. Soil Survey Ser. 1960(18),65 p.,map. June 1964. 1 So32F

J. H. Dent, M. E. Shaffer, V. C. Allgood, L. R. Watts, and R. E. Fulgham, joint authors.

Mississippi Agricultural Experiment Station, cooperating.

ISELEY, E. E., and others. Soil survey of Treutlen County, Georgia. U. S. Soil Conserv. Serv. Soil Survey Ser. 1961(3),79 p.,map. Jan. 1964. 1 So32F

J. L. Sullivan, R. L. Wilkes, and D. D. Bacon, joint authors.

Georgia Agricultural Experiment Stations, cooperating.

NEWMAN, A. L. Soil survey of Cochran County, Texas. U. S. Soil Conserv. Serv. Soil Survey Ser. 1960(17),80 p.,map. Mar.1964. 1 So32F

A. W. Outlaw, J. W. Green, C. L. Girdner, and W. E. Richardson, joint authors.

Texas Agricultural Experiment Station, cooperating.

U. S. SOIL CONSERVATION SERV. Orchard and vineyard land use, problems and conservation treatment, Western States, by A. F. Kinison. Washington, 1963. 43 p. A56.7 So30

#### STATISTICAL REPORTING SERVICE

U. S. CROP REPORTING BOARD. Nursery products production and sales, 1962 and 1963, January inventory 1963 and 1964 in 6 selected States. Washington, 1964. 13 p. A286.8 M342

U. S. DEPT. OF AGRICULTURE. STATISTICAL REPORTING SERV. Poultry and hatchery production in California; summary for 1963, inventory January 1, 1964 by R. L. Sitzman, J. D. Fleming, M. M. Hill, and D. N. Taylor. Sacramento, 1964. 21 p. 1.941 H8P862



### STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing experiment station.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the National Agricultural Library for the cost of reproduction.

#### Alabama Agricultural Experiment Station, Auburn

HAMMETT, R. A., and BLACKSTONE, J. H. Alabama urban homemakers and milk products. Ala. Agr. Expt. Sta. B. 352,47 p.,map. June 1964. 100 AL1S

HAMMETT, R. A., and BLACKSTONE, J. H. How homemakers select foods; a study of influences affecting food buying of urban homemakers. Ala. Agr. Expt. Sta. B. 353,39 p. June 1964. 100 AL1S

MCMANUS, B. R., and WHITE, M. Procurement of corn in Alabama. Ala. Agr. Expt. Sta. B. 354,39 p.,map. June 1964. 100 AL1S

JONES, R. E., and DANNER, M. J. Farm handling and marketing of pecans in Alabama. Ala. Agr. Expt. Sta. C. 148,19 p.,map. June 1964. 100 AL1S

#### Arizona Agricultural Experiment Station, Tucson

WRIGHT, N. G., and STUBBLEFIELD, T. M. Direct sales versus terminal markets for selling fat cattle. Ariz. Agr. Expt. Sta. Tech. B. 152,34 p. Mar. 1963. 100 Ar4

#### Arkansas Agricultural Experiment Station, Fayetteville

WADDLE, B. A. Effect of early season practices on the growth and yield of cotton in Jefferson County, 1962. Ark. Agr. Expt. Sta. Spec. Rpt. 14,38 p.,map. Apr. 1964. 100 Ar42Sp

Published jointly with Arkansas Agricultural Extension Service.

ARKANSAS farm research 13(3),12 p. May/June 1964. 100 Ar42F

#### California Agricultural Experiment Station, Berkeley

CALIFORNIA agriculture 18(6),16 p. June 1964. 100 C12Cag

CALIFORNIA agriculture 18(7),16 p. July 1964. 100 C12Cag

#### Colorado Agricultural Experiment Station, Fort Collins

COLORADO farm and home research 14(6),8 p. May/June 1964. 100 C712Co

#### Connecticut Agricultural Experiment Station, New Haven

HILL, D. E., and GONICK, W. N. The Paxton soils. Conn. Agr. Expt. Sta. B. 662,47 p.,map. Ref. Dec. 1963. 100 C76St

FISHER, H. J. Commercial feeding stuffs, 1963 report on inspection. Conn. Agr. Expt. Sta. B. 667,121 p. June 1964. 100 C76St

FRONTIERS of plant science 18(2),8 p. May 1964. 100 F92

#### Connecticut (Storrs) Agricultural Experiment Station, Storrs

CALHOUN, M. C., and others. Growth of Holstein male calves fed an enzyme supplement, a combination of primary fungal and bacterial fermentation products, with limited milk replacer and starter and ad libitum hay, with observations on carotene utilization. Conn. (Storrs) Agr. Expt. Sta. Prog. Rpt. 56,14 p. Ref. Apr. 1964. 100 C76Pr

C. G. Woelfel, R. C. Hall, J. E. Rousseau, H. D. Eaton, and J. J. Lucas, joint authors.

#### Florida Agricultural Experiment Station, Gainesville

CHAPMAN, H. L., and others. Production and utilization of corn silage on organic soil. Fla. Agr. Expt. Sta. B. 679,19 p. Ref. June 1964. 100 F66S

V. E. Green, C. E. Haines, and R. W. Kidder, joint authors.

MCCALEB, J. E., PEACOCK, F. M., and HODGES, E. M. Oats and rye for grazing on Florida flatlands. Fla. Agr. Expt. Sta. C. S. 152,15 p. May 1964. 100 F66Ci

HENDRICKSON, R., and KESTERSON, J. W. Citrus molasses. Fla. Agr. Expt. Sta. Tech. B. 677,27 p. Ref. June 1964. 100 F66S

#### Georgia Agricultural Experiment Stations, Athens

DOUGLAS, A. G., BROOKS, O. L., and FARSH-TCHI, D. Variety, spacing and mechanical harvesting of cotton at the Southeast Georgia Branch Experiment Station, Midville, Georgia. Ga. Agr. Expt. Sta. B. (n.s.)117,25 p.,map. June 1964. 100 G293B

MCARTHUR, W. C., SAUNDERS, F. B., and FORTSON, J. C. Optimum organizations for general crop and crop-livestock farms, southwest Coastal Plain area, Georgia. Ga. Agr. Expt. Sta. B. (n.s.)118,29 p.,map. June 1964. 100 G293B

U. S. Department of Agriculture, cooperating.

PROCTOR, R. E. Georgia's agricultural industry. Ga. Agr. Expt. Sta. B. (n.s.)119,55 p.,map. June 1964. 100 G293B

BROOKS, O. L. Yield and growth response of Stuart pecan trees to zinc sulfate and nitrogen. Ga. Agr. Expt. Sta. C. (n.s.)40,11 p.,map. June 1964. 100 G293Ci

FRY, B. O. Variety and cultural studies with blackberries and dewberries. Ga. Agr. Expt. Sta. Mimeo. Ser. (n.s.)202,13 p. May 1964. 100 G293M

BOYLE, L. W. Low-gallonage applications of fungicides for control of peanut leafspots. Ga. Agr. Expt. Sta. Mimeo. Ser. (n.s.)203,20 p. July 1964. 100 G293M

GEORGIA agricultural research 5(4),16 p. Spring 1964. 100 G295

#### Illinois Agricultural Experiment Station, Urbana

JONES, R. L., and BEAVERS, A. H. Some mineralogical properties of Seaton, Fayette, and Clinton soils in Illinois. Ill. Agr. Expt. Sta. B. 701,27 p.,map. Ref. June 1964. 100 IL6S

ILLINOIS agricultural economics 4(2),35 p. July 1964. 281.9 IL6I

ILLINOIS research 6(3),20 p. Summer 1964. 100 IL64

Indiana Agricultural Experiment Station, Lafayette

FITZPATRICK, J. M., and FRENCH, C. E. Impact of seasonality of milk supplies on labor costs and efficiency in dairy manufacturing plants. Ind. Agr. Expt. Sta. Res. B. 774,36 p. Ref. Mar.1964. 100 In2P  
U. S. Dept. of Agriculture, cooperating.

Iowa Agricultural and Home Economics Experiment Station, Ames

IOWA farm science 19(1),16 p. July 1964. 275.28 Io94

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

LOUISIANA. AGRICULTURAL EXPERIMENT STATION. Fourth livestock producers' day, January 23, 1964, Baton Rouge, Louisiana. Baton Rouge, 1964. 101 p. 43.9 L932

Maine Agricultural Experiment Station, Orono

GREENLEAF, R. D. The integration of year-around recreation and timberland management on the Passadumkeag Mountain Region of eastern Maine. Maine. Agr. Expt. Sta. B. 616,60 p., map. Ref. 1963. 100 M28S

PLUMMER, B. E. Foods, 1962-63. Maine. Agr. Expt. Sta. Off. Insp. 267,81 p. July 1963. 100 M28S

PLUMMER, B. E. Commercial feeding stuffs, 1962-63. Maine. Agr. Expt. Sta. Off. Insp. 268, 187 p. Dec.1963. 100 M28S

Maryland Agricultural Experiment Station, College Park

MARTIN, J. E. The effects of changes in transportation rates on the Delmarva poultry industry. Md. Agr. Expt. Sta. Misc. P. 515, 102 p.,map. Ref. May 1964. 100 M36M

Massachusetts Agricultural Experiment Station, Amherst

JOHNSON, E. A. Meteorological observations for February 1964. Mass. Agr. Expt. Sta. Met. Ser. B. 902,4 p. Feb.1964. 100 M38H

JOHNSON, E. A. Meteorological observations for April 1964. Mass. Agr. Expt. Sta. Met. Ser. B. 904,4 p. Apr.1964. 100 M38H

JOHNSON, E. A. Meteorological observations for May 1964. Mass. Agr. Expt. Sta. Met. Ser. B. 905,4 p. May 1964. 100 M38H

JOHNSON, E. A. Meteorological observations for June 1964. Mass. Agr. Expt. Sta. Met. Ser. B. 906,4 p. June 1964. 100 M38H

CAMPBELL, F. J., and WARD, J. 1962-63 annual flower trials at the Waltham Field Station. Mass. Agr. Expt. Sta. Prog. Rpt. 4,33 p. Feb.1964. 100 M38Pr

Michigan Agricultural Experiment Station, East Lansing

BOYNE, D. H. Changes in the real wealth position of farm operators, 1940-1960. Mich. Agr. Expt. Sta. Tech. B. 294,75 p. Ref. 1964. 100 M58S

Mississippi Agricultural Experiment Station, State College

MISSISSIPPI farm research 27(7),8 p. July 1964. 100 M69Mi

Missouri Agricultural Experiment Station, Columbia

SQUIBE, J., and WEST, J. G. Participation in government land retirement programs in Missouri. Mo. Agr. Expt. Sta. B. 803,15 p.,map. June 1963. 100 M693

MCGINNES, E. A. Growth-quality evaluation of Missouri-grown shortleaf pine (*Pinus echinata*, Mill.). Mo. Agr. Expt. Sta. Res. B. 841,59 p. Ref. Sept.1963. 100 M693

SLAUGHTER, R., and WEST, J. G. Some factors affecting turkey growers' attitude toward the proposed turkey marketing order. Mo. Agr. Expt. Sta. Res. B. 845,39 p.,map. Oct. 1963. 100 M693

RÓDABAUGH, D. E., WRIGHT, H. B., and ELDER, C. Effect of *Salmonella choleraesuis* infection on immunity to hog cholera. Mo. Agr. Expt. Sta. Res. B. 849,40 p. Feb.1964. 100 M693

MISSOURI. AGRICULTURAL EXPERIMENT STATION. Studies with beef cattle, sheep, and swine, 26th annual livestock day, April 10, 1964. Mo. Agr. Expt. Sta. Spec. Rpt. 38,26 p. Apr.1964. 100 M693Sp

Montana Agricultural Experiment Station, Bozeman

BOSTWICK, D. Management strategies for variable wheat yields in Montana. Mont. Agr. Expt. Sta. B. 585,20 p. June 1964. 100 M76  
U. S. Department of Agriculture, cooperating.

TAYLOR, M. C., KUSELKA, T. J., and HASENMYER, G. D. Prices received and prices paid by Montana farmers and ranchers, 1960-1962. Mont. Agr. Expt. Sta. B. 587,12 p. June 1964. 100 M76  
U. S. Department of Agriculture, cooperating.

TAYLOR, M. C. Farm price index trends, Montana, 1948-1962. Mont. Agr. Expt. Sta. B. 588,16 p. June 1964. 100 M76

Nebraska Agricultural Experiment Station, Lincoln

WHEAT abstracts 2(4): entries 1211-1594. Apr.1964. 241 N27W

New Jersey Agricultural Experiment Station, New Brunswick

HAGMANN, L. E., and JOBBINS, D. M. The story of the mosquito and its control. N. J. Agr. Expt. Sta. C. 585-A,16 p. June 1964. 100 N46S

NEW JERSEY agriculture 46(3),16 p. May/June 1964. 275.28 N46

New York (Cornell) Agricultural Experiment Station, Ithaca

LOWE, G. D., ELLENBOGEN, B. L., and DANLEY, R. A. Perceptions of health insurance; subscribers and non-subscribers. N. Y. (Cornell) Agr. Expt. Sta. B. 63,28 p. Ref. Mar.1964. 100 N48C



PEDERSEN, R. W. Possibilities of intensification on a clay-and-till dairy farm, North Country region, New York. N. Y. (Cornell) Agr. Expt. Sta. B. 991,35 p., map. May 1964. 100 N48C

CUNNINGHAM, L. C. Commercial dairy farming; Oneida-Mohawk region, New York, 1959-60. N. Y. (Cornell) Agr. Expt. Sta. B. 992,44 p., map. Mar. 1964. 100 N48C

MANNING, S. L., and VATTER, E. L. Financial management practices of families with steady or fluctuating incomes. N. Y. (Cornell) Agr. Expt. Sta. B. 997,31 p. June 1964. 100 N48C

#### New York (State) Agricultural Experiment Station, Geneva

CLARK, B. E., and PAGE, H. L. The quality and labeling of seeds in New York as revealed by sampling and testing in 1963. N. Y. (State) Agr. Expt. Sta. B. 804,43 p. Mar. 1964. 100 N48

NEW YORK (STATE) AGRICULTURAL EXPERIMENT STATION. Inspection of commercial feeds, fertilizers, and lime materials sold in New York State, January 1 to December 31, 1963. N. Y. (State) Agr. Expt. Sta. B. 805,81 p. May 1964. 100 N48

MARX, G. A., and others. Improved germ plasm for pea breeders. N. Y. (State) Agr. Expt. Sta. Res. C. Ser. 1,4 p. Oct. 1963. 100 N48R

W. Mishanec, D. W. Barton, W. T. Schroeder, and R. Providenti, joint authors.

#### Ohio Agricultural Experiment Station, Wooster

WATER RESOURCES SEMINAR, WOOSTER, OHIO, 1963. Proceedings. Ohio. Agr. Expt. Sta. Spec. Rpt. Ser. 2,22 p. Oct. 1963. 100 Oh3Spe

#### Oklahoma Agricultural Experiment Station, Stillwater

WILLIAMS, W. F., and MALONE, J. W. Inter-regional competition in fed beef; tentative spatial equilibrium solutions, with implications for the Oklahoma beef industry. Okla. Agr. Expt. Sta. Processed Ser. P-473,94 p., map. Ref. Mar. 1964. 100 Ok4M

ELDER, W. C., and TUCKER, B. B. Pasture management: grazing studies and forage crop fertility tests—biennial report of progress 1962 and 1963. Okla. Agr. Expt. Sta. Processed Ser. P-475,46 p. May 1964. 100 Ok4M

Not available for free distribution. Photocopies may be ordered from the Library.

HARLAN, J. R., RICHARDSON, W. L., and DE WET, J. M. J. Improving Old World blue-stems for the South, progress report, 1963. Okla. Agr. Expt. Sta. Processed Ser. P-480, 27 p. Ref. June 1964. 100 Ok4M

U. S. Department of Agriculture, cooperating. Not available for free distribution. Photocopies may be ordered from the Library.

OSWALT, R. M. Oklahoma state-wide small grain variety testing program, progress report, 1963. Okla. Agr. Expt. Sta. Processed Ser. P-481,16 p. July 1964. 100 Ok4M

Not available for free distribution. Photocopies may be ordered from the Library.

#### Rhode Island Agricultural Experiment Station, Kingston

RHODE Island agriculture 10(3),16 p. June 1964. 100 R342

#### South Dakota Agricultural Experiment Station, Brookings

HELFINSTINE, R. D. Community and commercial benefits from water resource development of the Oahe area. S. Dak. Agr. Expt. Sta. Agr. Econ. Pam. 119,19 p. July 1964. 281.9 So86

BJARNASON, H. F. International trade in cattle and beef products with emphasis on the effects of the European Economic Community on the South Dakota economy. S. Dak. Agr. Expt. Sta. Agr. Econ. Pam. 120,181 p. Ref. July 1964. 281.9 So86

#### Tennessee Agricultural Experiment Station, Knoxville

PICKETT, B. S., and BAILEY, M. H. Freeze probabilities in Tennessee. Tenn. Agr. Expt. Sta. B. 374,27 p., map. Jan. 1964. 100 T25S  
U. S. Weather Bureau, cooperating.

MARTIN, J. A., and HICKS, B. G. The economics of using low-quality hardwoods for producing charcoal in Tennessee. Tenn. Agr. Expt. Sta. B. 375,38 p. Feb. 1964. 100 T25S

TENNESEE farm and home science progress report 50,24 p. Apr./June 1964. 100 T25F

#### Texas Agricultural Experiment Station, College Station

TEXAS, AGRICULTURAL EXPERIMENT STATION. Abon Persian clover [*Trifolium resupinatum*]. Tex. Agr. Expt. Sta. L-618,4 p. Apr. 1964. 275.29 T313  
U. S. Department of Agriculture, cooperating.

TEXAS, AGRICULTURAL EXPERIMENT STATION. Texas 374 [*Crotalaria juncea*]; a new summer legume for soil improvement and for possible industrial use. Tex. Agr. Expt. Sta. L-619,4 p. Apr. 1964. 275.29 T313

TEXAS, AGRICULTURAL EXPERIMENT STATION. Caddo wheat; a new, high quality, early wheat for Texas. Tex. Agr. Expt. Sta. L-620, 4 p. May 1964. 275.29 T313  
U. S. Department of Agriculture, cooperating.

LAW, J. P., and BLOODWORTH, M. E. A simplified method for the control and measurement of water-use by greenhouse plants. Tex. Agr. Expt. Sta. Prog. Rpt. 2310,6 p. May 4, 1964. 100 T31P

KIRK, I. W., HUDSPETH, E. B., and WANJURA, D. F. A broadcast and narrow-row cotton harvester. Tex. Agr. Expt. Sta. Prog. Rpt. 2311,4 p. May 7, 1964. 100 T31P  
U. S. Department of Agriculture, cooperating.

TEXAS agricultural progress 10(3),24 p. Summer 1964. 100 T31Te

#### Utah Agricultural Experiment Station, Logan

PETERSEN, P. W. Electric brooding of farm animals. Utah. Agr. Expt. Sta. Farm Electrification. L. 28,4 p. Winter 1962/63. 335.9 Ut1

PETERSEN, P. W. Electricity, the dairyman's helper. Utah. Agr. Expt. Sta. Farm Electrification. L. 29,4 p. Summer 1963. 335.9 Ut1

PETERSEN, P. W. Proper fusing and overload protection of electric motors. Utah. Agr. Expt. Sta. Farm Electrification. L. 30,4 p. Autumn 1963. 335.9 Ut1

Vermont Agricultural Experiment Station, Burlington

VERMONT farm and home science 5(3),12 p. Spring 1963. 100 V593

VERMONT farm and home science 6(1),12 p. Summer 1963. 100 V593

VERMONT farm and home science 6(2),12 p. Fall 1963. 100 V593

Virginia Agricultural Experiment Station, Blacksburg

SMITH, T. J., and CAMPER, H. M. Performance of soybean varieties in Virginia. Va. Agr. Expt. Sta. Res. Rpt. 84,11 p. June 1964. 100 V81R

Washington Agricultural Experiment Stations, Pullman

BRUCE, R. W. State regulation of log trucking in the Pacific Northwest. Wash. Agr. Expt. Sta. Sta. C. 431,18 p. Ref. June 1964. 100 W27S

PROEBSTING, E. L., and MILLS, H. H. 1963 studies on effect of 2,4,5-TP on yield and quality of early Italian prunes. Wash. Agr. Expt. Sta. Sta. C. 432,16 p. Ref. June 1964. 100 W27S

ERICKSON, E. C. Agricultural leaders' opinions on extension and research. Wash. Agr. Expt. Sta. Sta. C. 434,23 p. 1962. 100 W27S

NELSON, C. E. A management experiment with Gaines wheat under irrigation. Wash. Agr. Expt. Sta. Sta. C. 435,12 p. June 1964. 100 W27S

KLOSTERMEYER, E. C. The beet leafhopper [*Circulifer tenellus*] in Washington. Wash. Agr. Expt. Sta. Sta. C. 436,5 p. July 1964. 100 W27S

West Virginia Agricultural Experiment Station, Morgantown

CARVELL, K. L., and KOCH, C. B. Black cherry [*Prunus serotina*]-its abundance, quality, and rate of growth in the oak-hickory and cove forests of West Virginia. W. Va. Agr. Expt. Sta. B. 485,12 p. Ref. June 1963. 100 W52

CARVELL, K. L. Improvement cuttings in immature hardwood stands—yield income while increasing future sawtimber values. W. Va. Agr. Expt. Sta. B. 492,17 p. May 1964. 100 W52

Wisconsin Agricultural Experiment Station, Madison

DONALDSON, B., and PROUD, D. Selecting, arranging and using facilities for school lunch programs. Wis. Agr. Expt. Sta. B. 567,24 p. Ref. June 1964. 100 W75

Wyoming Agricultural Experiment Station, Laramie

ROSENFELD, I., and EPPSON, H. F. Metabolic effects and metabolism of selenium in animals. Wyo. Agr. Expt. Sta. B. 414,64 p. Ref. Apr. 1964. 100 W99

REGIONAL PUBLICATIONS

North Central Region

KOUDELE, J. W., and HEINSOHN, E. C. The egg products industry of the United States. II. Economic and technological trends, 1936-61. Kans. Agr. Expt. Sta. B. 466,94 p. Ref. Jan. 1964. 100 K13S

Agricultural Experiment Stations of Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, Wisconsin, and U. S. Department of Agriculture, cooperating.

Also North Central Regional Research Publication No. 154.

Southern Cooperative Series

TAYLOR, L., and GLASGOW, C. W. Occupations and low-income rural people; a Southern Regional Study. South. Coop. Ser. B. 90,40 p., map. Ref. Dec. 1963. 100 G29So

Agricultural Experiment Stations of Alabama, Florida, North Carolina, Kentucky, Louisiana, Mississippi, Tennessee, and Texas; and U. S. Dept. of Agriculture, cooperating.



### STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing extension service.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the National Agricultural Library for the cost of reproduction.

#### AUBURN University, Agricultural Extension Service, Auburn, Ala.

RANDOLPH, B. Food for tots. Ark. U. Agr. Ext. C. 522,9 p. May 1964. 275.29 Ar4

RANDOLPH, B. Make your own mixes. Ark. U. Agr. Ext. L. 195,rev.,6 p.-folder. June 1964. 275.29 Ar4Le

MILEY, N., and ADAMS, D. Lime; why, when and how much to apply on upland and terrace soils in Arkansas. Ark. U. Agr. Ext. L. 242, rev.,8 p.-folder. Apr.1964. 275.29 Ar4Le

ADAMS, D. Test your soil. Ark. U. Agr. Ext. L. 287,rev.,4 p. May 1964. 275.29 Ar4Le

WELLHAUSEN, H. W. Sudan and millet for summer pasture. Ark. U. Agr. Ext. L. 294, rev.,6 p.-folder. May 1964. 275.29 Ar4Le

METZLER, G. F. People are looking for a farm vacation. Ark. U. Agr. Ext. L. 362,6 p.-folder. May 1964. 275.29 Ar4Le

#### CALIFORNIA University, Agricultural Extension Service, Berkeley

DELOACH, D. B., and STEFFEN, E. The export market for California grapes. Calif. U. Agr. Ext. Inform. Ser. Agr. Econ. 64-2,34 p. Jan.1964. 275.29 C12I  
Published jointly with California Agricultural Experiment Station.

CALIFORNIA UNIVERSITY. AGRICULTURAL EXTENSION SERV. 1963 pest control guide for California citrus crops, by G. E. Carman, W. H. Ewart, L. R. Jeppson, L. A. Riehl, E. L. Atkins, J. C. Ortega, and H. S. Elmer. Riverside, 1963. 61 p. 423.9 C123

CALIFORNIA UNIVERSITY. AGRICULTURAL EXTENSION SERV. Poultry management study, San Bernardino County. San Bernardino, 1963. 6 p. 275.29 C12En

#### FLORIDA University, Agricultural Extension Service, Gainesville

WEST, E. Poisonous plants around the home. Fla. U. Agr. Ext. B. 175A,38 p. June 1964. 275.29 F66

VOLK, G. M. Know your fertilizers. Fla. U. Agr. Ext. B. 177A,25 p. May 1964. 275.29 F66

SKINNER, T. C., and HALL, R. H. Planning your home. Fla. U. Agr. Ext. B. 181,76 p. June 1964. 275.29 F66

STEPHENS, J. M., and JAMISON, F. S. Vegetable gardening guide. Fla. U. Agr. Ext. C. 104C,12 p.-folder. Mar.1964. 275.29 F66C  
Published jointly with Florida Agricultural Experiment Station.

SHEEHAN, T. J., and ROSE, S. A. Garden Chrysanthemums. Fla. U. Agr. Ext. C. 182A, 8 p. Apr.1964. 275.29 F66C

WOLTZ, S. S., MAGIE, R. O., and WATERS, W. E. Gladiolus for the home gardener. Fla. U. Agr. Ext. C. 188A,7 p. June 1964. 275.29 F66C

BROGDON, J. E., MARVEL, M. E., and MULLIN, R. S. Commercial vegetable insect and disease control guide. Fla. U. Agr. Ext. C. 193D,49 p. June 1964. 275.29 F66C

BROGDON, J. E., and PETTIS, A. M. Tips on farm & home safety. Fla. U. Agr. Ext. C. 197A,4 p. June 1964. 275.29 F66C

BROGDON, J. E., SWANSON, L. E., and PLUMMER, C. B. Control of external parasites of livestock in Florida. Fla. U. Agr. Ext. C. 206A,15 p. June 1964. 275.29 F66C

HARRISON, D. S., and others. Aquatic weed control. Fla. U. Agr. Ext. C. 219A,16 p. June 1964. 275.29 F66C

R. D. Blackburn, L. W. Weldon, and J. R. Orsenigo, joint authors.

FREEMAN, T. E., and MULLIN, R. S. Turf-grass diseases and their control. Fla. U. Agr. Ext. C. 221A,7 p. Apr.1964. 275.29 F66C

#### HAWAII University, Agricultural Extension Service, Honolulu

NAKAGAWA, Y., and ROMANOWSKI, R. R. Chemical weed control in vegetable crops (recommended on a trial use basis). Hawaii. U. Agr. Ext. C. 402,16 p. Dec.1963. 275.29 H312Ac

#### ILLINOIS University, Extension Service in Agriculture and Home Economics, Urbana

BUTLER, J. D., and GARTNER, J. B. Plant regulators: their use as a hobby. Ill. U. Agr. Ext. C. 886,16 p. Apr.1964. 275.29 IL62C

#### KANSAS State University of Agriculture and Applied Science, Extension Service, Manhattan

PARKS, C. E. Landscape design for a rural home. Kans. State U. Agr. Ext. C. 304,8 p. Mar.1964. 275.29 K13Ex

REED, C. E. Establishing dehydrated alfalfa plants in Kansas. Are more plants feasible? Kans. State U. Agr. Ext. C. 325,16 p. Apr.1964. 275.29 K13Ex

RINGLER, W. E., and TRENT, C. Selling ideas and programs through social action. Kans. State U. Agr. Ext. C. 326,11 p. June 1964. 275.29 K13Ex

ROBERTS, C. R., and CAMPBELL, R. W. Strawberries in your garden. Kans. State U. Agr. Ext. C. 327,8 p. Apr.1964. 275.29 K13Ex

HOBBLE, D. Play and your child's development. Kans. State U. Agr. Ext. C. 328,12 p. Ref. May 1964. 275.29 K13Ex

ULRICH, J., and ANDERSON, E. Managing your money; a family plan. Kans. State U. Agr. Ext. C. 330,12 p. June 1964. 275.29 K13Ex

LANDRY, L. Using today's fabrics. Kans. State U. Agr. Ext. C. 331,20 p. July 1964. 275.29 K13Ex

ROBERTS, C. R., and others. Fruit and nut varieties for Kansas, all-purpose spray schedule. Kans. State U. Agr. Ext. L. 50,rev.,4 p. Feb.1964. 275.29 K13Le  
R. W. Campbell, F. B. Hadle, E. Eshbaugh, and C. L. King, joint authors.

OSBURN, M. W. Guard against rabies. Kans. State U. Agr. Ext. L. 162,6 p.-folder. Apr.1964. 275.29 K13Le

MCDONALD, H. J. New wheat standards for all classes of wheat. Kans. State U. Agr. Ext. L. 164,4 p. Mar.1964. 275.29 K13Le

BRIGGS, V. With the family; the new member. Kans. State U. Agr. Ext. L. 165,6 p.-folder. Ref. May 1964. 275.29 K13Le

BRIGGS, V. With the family; preschool growth. Kans. State U. Agr. Ext. L. 166,6 p.-folder. May 1964. 275.29 K13Le

JONES, M. Picture yourself as a home economics agent. Kans. State U. Agr. Ext. L. 167, 6 p.-folder. Apr. 1964. 275.29 K13Le

KREIFELS, A. M., LEOPOLD, C. N., and SELF, E. W. Common stains—how to remove them. Kans. State U. Agr. Ext. L. 174,4 p. June 1964. 275.29 K13Le

KENTUCKY University, Agricultural Extension Service, Lexington

ATKINSON, W. O., and MASSIE, I. E. Fertilizing burley tobacco. Ky. U. Agr. Ext. C. 545-A, 16 p. Mar. 1964. 275.29 K415

MILLER, R. L. Making and using a cattle back-rubber. Ky. U. Agr. Ext. Misc. 307,4 p. Feb. 1964. 275.29 K415M

LOUISIANA State University and Agricultural and Mechanical College, Agricultural Extension Service, University Farm, Baton Rouge

STRAWN, B. Care of metals and kitchenware. La. U. Agr. Ext. Ext. P. 1351,8 p. Oct. 1963. 275.29 L93Ep

BLONDIN, J., and TURNER, I. M. Fuel up your spaceship with foods and nutrition. La. U. Agr. Ext. Ext. P. 1353,32 p. Feb. 1964. 275.29 L93Ep

HATHAWAY, H. E. First things first in preparing chicken. La. U. Agr. Ext. Ext. P. 1356, 8 p.-folder. Feb. 1964. 275.29 L93Ep

HIGGINBOTHAM, L. Good health helps you work & play. La. U. Agr. Ext. Ext. P. 1368, 21 p. Mar. 1964. 275.29 L93Ep

HIGGINBOTHAM, L. Get in tune for good health. La. U. Agr. Ext. Ext. P. 1369,22 p. Mar. 1964. 275.29 L93Ep

FRYÉ, J. B., and others. Your guide for raising dairy calves. La. U. Agr. Ext. Ext. P. 1372,17 p. Dec. 1963. 275.29 L93Ep

H. W. Anderson, W. H. Waters, and B. L. Kilpatrick, joint authors.

LOUISIANA, STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE. AGRICULTURAL EXTENSION SERV. Dairy food facts. La. U. Agr. Ext. Ext. P. 1380, 6 p.-folder. Apr. 1964. 275.29 L93Ep

MASSEY, P. H. Tornado! What it is, how to survive it. La. U. Agr. Ext. Ext. P. 1381, 8 p.-folder, map. Apr. 1964. 275.29 L93Ep

KOCH, K. A. 4-H best community club contest. La. U. Agr. Ext. Ext. P. 1382,4 p. Apr. 1964. 275.29 L93Ep

MASSACHUSETTS University, Agricultural Extension Service, Amherst

WILKINSON, T. O., DUGRE, S., and PARENT, J. Massachusetts population growth and redistribution, 1950-1960. Mass. U. Agr. Ext. P. 397,24 p. map. May 1963. 275.29 M381L  
Published jointly with Massachusetts Agricultural Experiment Station.

DUGRE, S., and WILKINSON, T. O. Demographic correlates of metropolitan growth; Springfield, Chicopee, Holyoke, Massachusetts, 1950-1960. Mass. U. Agr. Ext. P. 398,28 p. Ref. May 1963. 275.29 M381L  
Published jointly with Massachusetts Agricultural Experiment Station.

WILKINSON, T. O. Changes in Massachusetts population, five to twenty years of age, 1950-1960. Mass. U. Agr. Ext. P. 399,12 p. May 1963. 275.29 M381L

Published jointly with Massachusetts Agricultural Experiment Station.

RHODES, A. D., and NOYES, J. H. Forest harvest cuttings. Mass. U. Agr. Ext. P. 405,6 p.-folder. June 1963. 275.29 M381L

WEEKS, M. E. Do you want to take a good soil sample? Mass. U. Agr. Ext. P. 406,6 p.-folder. July 1963. 275.29 M381L

NOYES, J. H., and THAYER, D. T. Woodland for recreation. Mass. U. Agr. Ext. P. 407,8 p. Aug. 1963. 275.29 M381L

MINNESOTA University, Institute of Agriculture, Division of Agricultural Extension, St. Paul Campus, St. Paul 1

WEIR, T. S. Grafting fruit trees. Minn. U. Agr. Ext. Ext. B. 273, rev., 16 p. 1964. 275.29 M66S

ROBINSON, R. G. Mustard [Brassica spp.] and rape oilseed crops for Minnesota. Minn. U. Agr. Ext. Ext. B. 311,12 p. Mar. 1964. 275.29 N46L

HODSON, A. C., and LOFGREN, J. A. Recognition and control of scale insects on trees and shrubs. Minn. U. Agr. Ext. Ext. Folder 207, rev., 8 p.-folder. Apr. 1964. 275.29 M66Ex

FRENCH, D. W., LOFGREN, J. A., and HODSON, A. C. The Dutch elm disease. Minn. U. Agr. Ext. Ext. Folder 211, rev., 8 p.-folder. Dec. 1963. 275.29 M66Ex

HARD, C. G., and others. Garden information. Minn. U. Agr. Ext. Ext. Pam. 207, chart. Feb. 1964. 275.29 M66P

O. C. Trunquist, J. Lofgren, and H. G. Johnson, joint authors.

MISSISSIPPI State University of Applied Arts and Sciences, Agricultural Extension Service, State College

GRISSOM, E. E., BUCKLEY, R. O., and SWOOPE, W. M. Mississippi on-the-farm performance testing program; more calves, bigger calves, better calves, through performance testing. Miss. State U. Agr. Ext. P. 495,6 p.-folder. Mar. 1964. 275.29 M68Ext

MISSOURI University, College of Agriculture, Extension Service, Columbia

JUSTUS, F. E., and BEER, C. L. A primer on costs. Mo. Agr. Col. Ext. C. 788,8 p. Aug. 1963. 275.29 M69C

THOMAS, G. W., and others. 1963 cotton insect control recommendations. Mo. Agr. Col. Ext. C. 789,8 p. Apr. 1963. 275.29 M69C

J. C. French, A. J. Keaster, and K. Harrendorf, joint authors.

BIRD, R., and MCNABB, C. G. Who shares in the tourist trade; importance of the tourist trade. Mo. Agr. Col. Ext. C. 792,8 p. map. June 1963. 275.29 M69C

MCFATE, K. L. Which mill for your processing system? Mo. Agr. Col. Ext. C. 796,8 p. Feb. 1963. 275.29 M69C

JOHNSON, M. L. Family decisions. Mo. Agr. Col. Ext. C. 797,4 p. Jan. 1964. 275.29 M69C

BIELLIER, H., and RUSSELL, W. Missouri plan for growing market turkeys. Mo. Agr. Col. Ext. C. 799,16 p. Nov. 1963. 275.29 M69C

TAYLOR, F. W. Air seasoning of wood. Mo. Agr. Col. Ext. C. 800,7 p. Dec. 1963. 275.29 M69C



TAYLOR, F. W. Log sawing procedures; an aid for saw mill operators. Mo. Agr. Col. Ext. C. 801,4 p. Dec.1963. 275.29 M69C

CUNNINGHAM, M., and others. Cookies for children. Mo. Agr. Col. Ext. C. 802,10 p. Apr. 1964. 275.29 M69C

L. G. Maharg, R. Upchurch, and R. E. Baldwin, joint authors.

SWARTWOUT, H. G., and ENNS, W. R. 1964 suggestions for spraying commercial grape vineyards. Mo. Agr. Col. Ext. C. 803,4 p. 1964. 275.29 M69C

ENNS, W. R., and SWARTWOUT, H. G. 1964 commercial peach spray programs. Mo. Agr. Col. Ext. C. 804,6 p. Feb.1964. 275.29 M69C

SWARTWOUT, H. G., and ENNS, W. R. 1964 suggestions for spraying commercial apple orchards. Mo. Agr. Col. Ext. C. 805,12 p. 1964. 275.29 M69C

LITTLE, C. H., and WILSON, L. S. Consumer information bench mark studies, Missouri. Mo. Agr. Col. Ext. C. 807,7 p. Nov.1963. 275.29 M69C

JOHNSON, M. L., and METZEN, E. J. Do you know what is in your life insurance policy? Mo. Agr. Col. Ext. C. 808,4 p. June 1964. 275.29 M69C

CLAXTON, O. L., and DENNEY, H. The story of an Ozark community at work, 1944-1964. Mo. Agr. Col. Ext. C. 810,64 p.,map. Apr.1964. 275.29 M69C

MOSER, D. E., and KRIEBEL, W. R. Transportation in agriculture and business. Mo. Agr. Col. Ext. Manual 63,64 p.,map. Ref. 1964. 275.29 M69Ma

#### MONTANA State College, Extension Service, Bozeman

DRUMMOND, J. Sheep raising for beginners. Mont. State Col. Ext. B. 324,19 p. Ref. Apr. 1963. 275.29 M76C

JACOBSEN, N. A. Fattening 4-H beef. Mont. State Col. Ext. B. 325,16 p. Ref. June 1964. 275.29 M76C

SAMMONS, R., and DAVIS, D. J. The new wheat standards. Mont. State Col. Ext. Folder 78,6 p. Apr.1964. 275.29 M76FoL

MCCARVER, O. Lawns, new and old. Mont. State Col. Ext. Folder 79,6 p. Ref. May 1964. 275.29 M76FoL

#### NEW JERSEY State College of Agriculture and Mechanic Arts, Extension Service, New Brunswick

SMACK, L. C., and LENTZ, A. N. Sawmills pay more for logs correctly "bucked." N. J. State Agr. Col. Ext. L. 376,2 p. June 1964. 275.29 N46L

CHRIST, E. G. Bush fruits in the home garden. N. J. State Agr. Col. Ext. B. 298-A,8 p. June 1964. 275.29 N46

#### NEW YORK State College of Agriculture, Extension Service, Cornell University, Ithaca

MUENSCHER, W. C., and KINGSBURY, J. M. Poison ivy [Rhus toxicodendron] and poison sumac [Rhus vernix]. N. Y. State Col. Agr. (Cornell U.) Ext. Cornell Ext. B. 191,12 p. July 1964. 275.29 N48E

SCANNELL, R. J., and LIEBERMAN, A. S. Landscape design for residential property. N. Y. State Col. Agr. (Cornell U.) Ext. Cornell Ext. B. 1099,rev.,8 p. July 1964. 275.29 N48E

SHERF, A. F. Scab of cucumber and other vine crops. N. Y. State Col. Agr. (Cornell U.) Ext. Cornell Ext. B. 1129,4 p. June 1964. 275.29 N48E

FREEMAN, C. Your road to better meetings. N. Y. State Col. Agr. (Cornell U.) Ext. Cornell Ext. B. 1134,22 p. June 1964. 275.29 N48E

#### OHIO State University, Agricultural Extension Service, Columbus

DAVIS, R. R., and others. Your lawn. Ohio. State U. Agr. Ext. B. 271,rev.,32 p. June 1964. 275.29 Oh32

K. L. Bader, J. L. Caldwell, R. P. Holdsworth, B. F. Janson, O. L. Musgrave, R. E. Partyka, and E. W. Stroube, joint authors.

SIMONDS, L. A., and THOMAS, P. R. Food shopping tips; peaches. Ohio. State U. Agr. Ext. L. 117,6 p.-folder. June 1964. 275.29 Oh32EL

#### OKLAHOMA State University of Agriculture and Applied Science, Agricultural Extension Service, Stillwater

OKLAHOMA, STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. AGRICULTURAL EXTENSION SERV. How to conduct a meeting. Okla. State U. Agr. Ext. C. E-633, 32 p. 1964. 275.29 Ok41C

OKLAHOMA, STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. AGRICULTURAL EXTENSION SERV. Managing cattle during drouth; some suggestions to help you meet a recurring problem in Oklahoma. Okla. State U. Agr. Ext. L. 109,8 p.-folder. June 1964. 275.29 Ok41Le

#### OREGON State University, Federal Cooperative Extension Service, Corvallis

STEBBINS, R. L. Grafting walnut trees. Oreg. State U. Ext. C. 724,4 p. Apr.1964. 275.29 Or32C

SIEVEKING, W. E. Potatoes for the home garden. Oreg. State U. Ext. FS 68,2 p. May 1964. 275.29 Or36

LANDERS, J. H. Beef herd production testing. Oreg. State U. Ext. FS 70,2 p. June 1964. 275.29 Or36

OREGON, STATE UNIVERSITY, FEDERAL COOPERATIVE EXTENSION SERV. 1963 Wasco County spray schedule: cherries, peaches, apricots. Corvallis, 1963. chart. 275.29 Or32Sp

Published jointly with Oregon Agricultural Experiment Station.

#### SOUTH CAROLINA - Clemson Agricultural College, Extension Service, Clemson

NETTLES, W. C., SMITH, F. H., and BENTON, D. A. Tobacco insects and diseases, South Carolina. Clemson Agr. Col. S. C. Ext. B. 109,rev.,55 p. Apr.1964. 275.29 So8F

NETTLES, W. C. Insecticide use chart for milk producers; prevent insecticide residues in your milk supply. Clemson Agr. Col. S. C. Ext. Inform. Card 103,rev.,chart. May 1964. 275.29 So8I

Published jointly with Georgia Agricultural Extension Serv.

#### SOUTH DAKOTA State College of Agriculture and Mechanic Arts, Extension Service, Brookings

KORTAN, L. J. On-the-farm swine selection. S. Dak. State Col. Agr. Ext. C. 629,9 p. Apr.1964. 275.29 So85

SCHULTE, W. Where the consumer's beef dollar goes. S. Dak. State Col. Agr. Ext. F.S. 206,2 p. June 1964. 275.29 So85Fs

ALFKE, B., and HALL, H. D. Why milk tests vary. S. Dak. State Col. Agr. Ext. F.S. 208, 4 p. June 1964. 275.29 So85Fs

HELFINSTINE, R. D. Oahe area water resource development for community and commerce. S. Dak. State Col. Agr. Ext. F.S. 211, 4 p. July 1964. 275.29 So85Fs

UTAH State University, Agricultural Extension Service, Logan

ANDERSON, B. H. Water for Utah (through water conservancy districts). Utah. State U. Agr. Ext. L. 102, 7 p. June 1963. 275.29 Ut1L

VIRGINIA Polytechnic Institute, Agricultural Extension Service, Blacksburg

CAMERON, J. L. Outdoor meals! Va. Polytech. Inst. Agr. Ext. B. 225, rev., 11 p. May 1964. 275.29 V81B

HABEL, K. L. Your furnishings; make them comfortable and attractive. Va. Polytech. Inst. Agr. Ext. B. 246, rev., 14 p. Apr. 1964. 275.29 V81B

BRAGG, D. D. Improved poultry house environment; why? cost? return? how? Va. Polytech. Inst. Agr. Ext. B. 269, rev., 43 p. May 1964. 275.29 V81B

BARTON, J. A. Making bread at home. Va. Polytech. Inst. Agr. Ext. C. 383, rev., 7 p. Apr. 1964. 275.29 V81C

BARTON, J. A. Desserts for all occasions. Va. Polytech. Inst. Agr. Ext. C. 911, rev., 11 p. Apr. 1964. 275.29 V81C

BEECHER, A. S., GRUENHAGEN, R. H., and AMOS, J. M. The flowering dogwood [Cornus florida]. Va. Polytech. Inst. Agr. Ext. C. 948, 7 p. May 1964. 275.29 V81C

WESLEY, R. L., BURTNER, R. H., and SIEGEL, H. S. The beginning of life. Va. Polytech. Inst. Agr. Ext. C. 949, 12 p. Ref. May 1964. 275.29 V81C

CALHOUN, J. L. Aeration for maintaining grain quality. Va. Polytech. Inst. Agr. Ext. C. 950, 7 p. June 1964. 275.29 V81C

WASHINGTON State University, Extension Service, Pullman

WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Listing contest awards and scholarships, deadline for records, State 4-H office, Pullman, September 14, 1964. Wash. State U. Agr. Ext. Ext. Mimeo. 1486, rev., 10 p. Mar. 1964. 275.29 W27Mi

LIGGETT, E. P. Summary of family living expenses of eighty-six Washington families. Wash. State U. Agr. Ext. Ext. Mimeo. 2259, rev., 9 p., map. May 1964. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: pears—Bartlett. Wash. State U. Agr. Ext. Ext. Mimeo. 2290, rev., 1 p. May 1964. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: pears—non-Bartlett. Wash. State U. Agr. Ext. Ext. Mimeo. 2291, rev., 1 p. May 1964. 275.29 W27Mi

ANDREWS, D. K. Poultry science exhibit ideas—embryology and incubation; purchase and use of incubators and hatching eggs. Wash. State U. Agr. Ext. Ext. Mimeo. 2396, 1 p. Apr. 1964. 275.29 W27Mi

ANDREWS, D. K. Poultry science exhibit ideas—other; dyeing chick embryos for colored chicks. Wash. State U. Agr. Ext. Ext. Mimeo. 2401A, 2 p. Apr. 1964. 275.29 W27Mi

ENTENMANN, F. M., and MORRISON, K. J. Growing lentils in Washington. Wash. State U. Agr. Ext. Ext. Mimeo. 2412, 2 p. May 1964. 275.29 W27Mi

PERRYMAN, C., and others. Costs and returns for a 50-acre hay and silage enterprise in Lewis County, Washington, 1964. Wash. State U. Agr. Ext. Ext. Mimeo. 2420, 9 p. June 1964. 275.29 W27Mi

A. Cagle, R. Roffler, and E. Minnick, joint authors.

PERRYMAN, C., and others. Costs and returns of raising 50 dairy replacement heifers in Lewis County, Washington, 1964. Wash. State U. Agr. Ext. Ext. Mimeo. 2424, 7 p. June 1964. 275.29 W27Mi

A. Cagle, B. Kelso, R. Roffler, and E. Minnick, joint authors.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Includes publications received in the Library during the preceding month.

FAO LIBRARY list of recent accessions, Feb. 1964, 20 p. 241 F7322

FOOD and agricultural legislation 12(2), various paging. Dec. 1, 1963. 389.59 F732

FOOD and agricultural legislation, 12(3), various paging. Mar. 1, 1964. 389.59 F732

FOOD and agricultural legislation, 12(4), various paging. June 1, 1964. 389.59 F732

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. The stabilization of world trade in coarse grains; a consideration of the underlying economic issues. Food & Agr. Organ. United Nations. FAO Commodity Policy Studies 14, various paging. 1963. 281.9 F733C

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. COUNCIL. Report, forty-second session, 6 December 1963. Rome, 1964. 3 p. 389.9 F735Rc

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. NATIONAL ITALIAN COMMITTEE. Notiziario 14(3), 21 p. Mar. 1964. 280.9 F7323

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. NATIONAL ITALIAN COMMITTEE. Notiziario 14(4), 20 p. Apr. 1964. 280.9 F7323

FREEDOM from Hunger Campaign News 3(20), 14 p. Dec. 1962. 389.8 F872

FREEDOM from Hunger Campaign News 4(28), 13 p. Dec. 1963. 389.8 F872

FREEDOM from Hunger Campaign News 5(29), 32 p. Jan./Feb. 1964. 389.8 F872

FREEDOM from Hunger Campaign News 5(30), 30 p. Mar./Apr. 1964. 389.8 F872

FREEDOM from Hunger Campaign News 5(31), 31 p. May/June 1964. 389.8 F872

TIMBER market review; Western Germany, January 1963 to April 1964. Food & Agr. Organ. United Nations. Timber B. Europe 16(sup. 8), 16 p. May 1964. 99.9 F73T





UNITED STATES DEPARTMENT OF AGRICULTURE

NATIONAL AGRICULTURAL LIBRARY

WASHINGTON 25, D.C.

OFFICIAL BUSINESS

POSTAGE AND FEES PAID  
U. S. DEPARTMENT OF AGRICULTURE



# BIBLIOGRAPHY OF AGRICULTURE



NATIONAL AGRICULTURAL LIBRARY  
U.S. DEPARTMENT OF AGRICULTURE





## BIBLIOGRAPHY OF AGRICULTURE

Vol. 28

November 1964

No. 11

The Bibliography of Agriculture is an index to the literature of agriculture and the allied sciences received in the National Agricultural Library. Publications from any country are indexed, provided they are in one of the languages shown in CAPITALS at bottom of this column, or have summaries or abstracts in one of those languages.

Literature received more than one year after publication is generally not indexed. Exceptions are made for important scientific publications.

Indexing of articles on the processing of agricultural products is limited to those on primary processing.

Unsigned articles and those signed with pseudonyms or initials, editorials, letters to the editor, and columns appearing regularly, are omitted.

### FORMAT

The Bibliography is a classified arrangement of references under the following subjects:

- Plant Science
- Soils and Fertilizers
- Forestry
- Animal Industry
- Entomology
- Agricultural Engineering
- Agricultural Products
- Agricultural Economics and Rural Sociology
- Food and Human Nutrition
- Miscellaneous

The classified section is followed by the listing of:

- New Periodicals and Serials
- Translations
- USDA Publications
- State Agricultural Experiment Station Publications
- State Agricultural Extension Service Publications
- Food and Agriculture Organization of the UN (FAO) Publications

The last section of each monthly issue is the Personal and Organizational index for that issue.

Foreign language titles of articles in serial publications are given in English only. The language of the text is shown in abbreviated form in parentheses at the end of the title. The following notations are used:

(Af)	Afrikaans	(Ic)	Icelandic
(Al)	Albanian	(In)	Indonesian
(Ara)	Arabic	(It)	ITALIAN
(Arm)	Armenian	(Ja)	JAPANESE
(Az)	Azerbaijani	(Ka)	Kazakh
(Be)	Belorussian	(Ko)	KOREAN
(Bu)	Bulgarian	(La)	Latvian
(Bur)	Burmese	(Li)	Lithuanian
(Ch)	CHINESE	(No)	NORWEGIAN
(Cz)	CZECH	(Pe)	Persian
(Da)	DANISH	(Pol)	POLISH
(Du)	DUTCH	(Por)	PORTUGUESE
(Es)	Estonian	(Rum)	Rumanian
(Fi)	Finnish	(Rus)	RUSSIAN
(Fl)	Flemish	(Se)	SERBO-CROATIAN
(Fr)	FRENCH	(Si)	Siamese
(Ge)	GERMAN	(Sl)	Slovenian
(Geo)	Georgian	(Sp)	SPANISH
(Gre)	Greek	(Sw)	SWEDISH
(He)	Hebrew	(Ta)	Tadzhik
(Hi)	Hindi	(Tu)	Turkish
(Hu)	HUNGARIAN	(Uk)	UKRAINIAN

For monographs the title is shown in the original language, followed by the English version.

Abbreviated names of the publications cited prior to July 1, 1964 are those from USDA Miscellaneous Publication 765—List of Serials Currently Received in the Library of the United States Department of Agriculture, July 1, 1957. Abbreviated names of all new periodical titles received after July 1, 1964, are taken from the American Standard for Periodical Title Abbreviations. As time allows, abbreviations set up for titles before that date will be converted to the new form.

The presence of the term "Ref." in the citation indicates that the article contains ten or more references to the literature.

Following each citation is the Library classification number which should be used when requesting loans or reproduction of articles.

### FREQUENCY OF PUBLICATION

The Bibliography is published monthly. The December issue is devoted wholly to a subject index and the cumulated Personal and Organizational index to the preceding eleven issues.

### AVAILABILITY OF REFERENCES CITED

Loans. Most of the material in the National Agricultural Library collection may be borrowed by employees of the Department of Agriculture and by other libraries. In requesting loans, please include the library call number found at the end of the citation. Loan of periodicals is restricted to the Washington, D. C. area. Foreign statistical publications and rare books are loaned only by special arrangement.

Free Distribution. Most of the printed publications of the Department of Agriculture and publications issued by the State Experiment Stations and the State Agricultural Extension Services, listed in this issue, may be obtained free of charge by applying direct to the issuing agency. The National Agricultural Library does not distribute them.

Reproduction. All articles listed may be obtained in microfilm or photoprint form from the National Agricultural Library. Copying charges for each periodical article or book are:

**MICROFILMS:** \$1.00 for each 30 pages or fraction copied from a single article or book.

**PHOTOPRINTS:** \$1.00 for each 4 pages or fraction copied from a single article or book.

**RUSH SERVICE** will be furnished upon payment of \$1.00 additional for each order.

Payment must accompany the order. Cash, Library coupons, check or money order drawn to the National Agricultural Library, USDA are acceptable. Payment for orders originating outside of the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Superintendent of Documents coupons and requests to furnish photocopy to be paid from Superintendent of Documents Deposit funds cannot be honored. Credit may be extended only to Government agencies and institutions. Billing address should be indicated.

Library Coupons. National Agricultural Library coupons, valued at \$1.00 each, may be purchased in any quantity.

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.  
\$12.00 per year, domestic; \$15.50 per year, foreign. Single copies vary in price.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (March 31, 1964)





# CONTENTS

	Item
PLANT SCIENCE	98706-101632
General	98706
Systematic and Geographic	
Botany	98811
General	98811
Spermatophytes	98851
Pteridophytes	98989
Bryophytes	98999
Algae	99024
Fungi (Including Lichens)	99049
Pathology	99139
General	99139
Diseases Caused by Fungi	99263
Diseases Caused by Bacteria	
Viruses and Virus Diseases	99544
Diseases Caused by Nematodes	99565
Diseases Caused by Nematodes	99669
Ecology	99733
Morphology, Anatomy, and	
Cytology	99813
Genetics	100022
Physiology	100087
Biochemistry	100560
Field Crops	100734
General	100734
Cereals	100762
Fiber Crops	100874
Forage Crops and Grasses	100904
Oil Crops	101046
Sugar Crops	101065
Tobacco	101088
Horticultural Crops	101098
General	101098
Fruits—General	101108
Fruits—Citrus and Subtropical	
Fruits—Deciduous	101137
Fruits—Small	101168
Nuts	101201
Shade Trees and Ornamental	101241
Plants	101267
Vegetable and Truck Crops	
(Including Potatoes)	101365
Weeds and Poisonous Plants	101452
Miscellaneous Economic Plants	
(Drug, Dye, Rubber, etc.)	101594
SOILS AND FERTILIZERS	101633-102369
Soil Science	101633
Soil Physics	101636
Soil Chemistry and Mineralogy	
Soil Biology	101690
Soil-Plant-Animal Relationships	101782
Soil Genesis, Formation, Classi-	101834
fication, and Mapping	101835
Soil Management	101887
Soil Fertility	101897
Soil Tilth and Tillage	102078
Drainage, Irrigation, Water	
Supply, and Flood Control	102105
Erosion and Erosion Control	
Sanitation	102262
Materials for Soil Improvement	102287
Chemical Fertilizers	102291
Mineral Soil Amendments	102291
Fertilizer Technology and	
Statistics	102294
Manures and Composts	102354
FORESTRY	102370-103073
General	102370
Education	102397
Policies, Programs, Administra-	
tion	102401
Legislation and Taxation	102420
Forest Description and	
Resources	102422

	Item
Forest Management and Finance	102432
Farm Woodlands	102472
Mensuration, Surveying, Photo-	
grammetry	102474
Silviculture	102507
Silvicultural Practices	102565
Regeneration and Breeding	
Forest Protection and Damage	102604
Fire	102777
Forest Influences	102785
Miscellaneous Forest Uses	102811
Forest Industries and Trade	102824
Lumbering and Logging	102840
Sawmills	102850
Processing and Woodworking	102877
Seasoning, Conditioning, and	102884
Finishing	102885
Wood Preservation and Damage	
Forest Products	102892
Lumber and Rough Products	102913
Construction	102922
Veneers, Plywood, and Adhesives	102934
Furniture	102939
Containers	102952
Pulp and Paper	102953
Chemical Products and	
Distillates	102986
Naval Stores	102993
Other Forest Products	103005
Wood Technology	103022
Properties and Structure	103037
ANIMAL INDUSTRY	103074-104951
Breeds and Breeding	103074
Feeds and Feeding	103084
Veterinary Medicine	103152
Miscellaneous	103383
Cattle	103413
Breeds and Breeding	103413
Feeds and Feeding	103515
Veterinary Medicine	103609
Miscellaneous	103909
Dogs and Cats	103946
Breeds and Breeding	103946
Feeds and Feeding	103949
Veterinary Medicine	103950
Miscellaneous	104056
Fur Animals - Pen Raised	104060
Breeds and Breeding	104060
Feeds and Feeding	104061
Veterinary Medicine	104068
Miscellaneous	104079
Horses and Mules	104082
Breeds and Breeding	104082
Feeds and Feeding	104093
Veterinary Medicine	104095
Miscellaneous	104146
Laboratory Animals, Small	104149
Breeds and Breeding	104149
Feeds and Feeding	104154
Veterinary Medicine	104160
Miscellaneous	104215
Poultry	104223
Breeds and Breeding	104223
Feeds and Feeding	104248
Veterinary Medicine	104304
Miscellaneous	104469
Rabbits	104527
Breeds and Breeding	104527
Feeds and Feeding	104528
Veterinary Medicine	104552
Miscellaneous	104557
Sheep and Goats	104557
Breeds and Breeding	104557
Feeds and Feeding	104592
Veterinary Medicine	104624
Miscellaneous	104733

	Item
Swine	104749
Breeds and Breeding	104749
Feeds and Feeding	104767
Veterinary Medicine	104801
Miscellaneous	104937
ENTOMOLOGY	104952-106167
General	104952
Economic	104963
General	104963
Medical and Veterinary Pests	
Pests of Field and Truck Crops	105084
Pests of Fruit and Nut Crops	105148
Pests of Ornamentals, Green-	105249
houses, and Nurseries	105327
Pests of Stored Products and	
Processed Commodities	105333
Pests of Trees and Wood	
Products	105349
Apiculture and Apis Mellifera	105410
Sericulture and the Silkworm	105476
Taxonomic, Geographic, and	
Biological	105500
General	105500
Arachnida, Myriapoda, etc.	105544
Coleoptera	105601
Diptera	105691
Culicidae	105787
Hemiptera (Heteroptera and	
Homoptera)	105810
Hymenoptera	105868
Lepidoptera	105911
Orthoptera	106068
Smaller Orders	106109
AGRICULTURAL ENGINEERING	106168-106537
General and Miscellaneous	106168
Farm Machines and Equipment	
Animal Husbandry Equipment	106182
Cultivation and Tillage Equipment	106247
Fertilizing and Planting Equip-	106260
ment	106281
Harvesting Equipment	106295
Land Clearing Equipment	106341
Processing Equipment Used on	
the Farm	106343
Repair, Maintenance, and Con-	
struction Equipment	106360
Spraying and Dusting Equipment	
Vehicles	106367
Farm Structures and Rural	106380
Housing	106417
Animal Shelters and Animal	
Service Buildings	106430
Farmhouses and Farmsteads	
Greenhouses and Plant Service	106470
Buildings	106477
Materials and Methods	
Storage Structures	106496
Walls and Fences	106504
Farm Utilities	106508
Electricity and Electrification	
Heating, Lighting, and Radiation	106508
Power Plants, Motors, and	
Engines on the Farm	106526
Sewage and Waste Disposal	106527
Telephones	106528
Water Supply	106529

	Item		Item		Item
AGRICULTURAL PRODUCTS:		Consumption and Utilization	107610	Leadership	108760
PROCESSING, DISTRIBUTION,		Distribution, Marketing, and		Rural Organizations and	
AND STATISTICS	106538-107998	Transportation	107612	Movements	108764
General	106538	Grading, Inspection, Standardiza-		Cooperative Organizations	108779
Analysis and Composition	106555	tion, and Quality	107638	Rural Social Psychology	108801
Consumption and Utilization	106588	Packing and Packaging	107651	Trade, Foreign and International	
Distribution, Marketing, and		Prices, Price Control, and			108810
Transportation	106597	Rationing	107652	FOOD AND HUMAN NUTRITION	
Grading, Inspection, Standardiza-		Processing and Storage	107659		108910-108973
tion, and Quality	106641	Statistics	107691	General	108910
Packing and Packaging	106673	Oils and Oilseeds	107698	Food Habits	108946
Prices, Price Control, and		Poultry and Poultry Products		Nutritive and Vitamin Content	
Rationing	106677		107785		108950
Processing and Storage	106685	Rubber and Rubber Substitutes		MISCELLANEOUS	108974-109278
Statistics	106728		107856	General	108974
Beverages and Condiments	106763	Seeds	107874	Biography	109058
Dairy Products	106862	Sugar and Sirups	107900	History	109204
Analysis and Composition	106896	Tobacco	107951	Home Management	109213
Consumption and Utilization	106927	Miscellaneous Products	107979	International Relations	109215
Distribution, Marketing, and		AGRICULTURAL ECONOMICS AND		Meteorology	109226
Transportation	106932	RURAL SOCIOLOGY	107999-108909	Personnel	109235
Grading, Inspection, Standardiza-		General	107999	Research	109247
tion, and Quality	106950	Agricultural Finance	108051	Statistics	109277
Packing and Packaging	106986	Credit	108078		
Prices, Price Control, and		Income	108125	NEW PERIODICALS AND	
Rationing	106994	Inflation		SERIALS	p. 296
Processing and Storage	107001	Insurance	108128		
Statistics	107065	Taxation	108154	TRANSLATIONS	p. 297
Feed and Forage Crops	107071	Agricultural Labor and Wages			
Fibers and Textiles	107113		108166	U. S. D. A. PUBLICATIONS	p. 361
Fruits, Vegetables, and Nuts	107212	Agriculture - Situation, Policies,			
Analysis and Composition	107241	and Programs	108223	STATE AGRICULTURAL	
Consumption and Utilization	107258	Subsidies	108357	EXPERIMENT STATION	
Distribution, Marketing, and		Cost and Standard of Living	108358	PUBLICATIONS	p. 368
Transportation	107262	Farm Management and Land			
Grading, Inspection, Standardiza-		Economics	108360	STATE AGRICULTURAL	
tion, and Quality	107293	Bookkeeping and Records	108489	EXTENSION SERVICE	
Packing and Packaging	107314	Costs and Returns	108502	PUBLICATIONS	p. 374
Prices, Price Control, and		Land Settlement and Colonization			
Rationing	107323		108559		
Processing and Storage	107327	Land Tenure	108563		
Statistics	107405	Land Utilization	108585		
Grain and Grain Products	107426	Land Values and Valuation	108624		
Honey and Beeswax	107542	Population	108634		
Livestock and Livestock Products		Rural Social Organization	108644		
	107553	Human Ecology	108651		
Analysis and Composition	107593	Institutions	108667	FAO PUBLICATIONS	p. 377



## PLANT SCIENCE

## GENERAL

- 98706 BARGHOORN, E. S. Evolution of Cambium in geologic time. In Zimmermann, M. H., ed. The formation of wood in forest trees, p.3-17. Ref. 1964. 451 Z6
- 98707 BARKHALOV, SH. Slovar' botanicheskikh terminov [Dictionary of botanical terminology]. Izdatel'stvo Akademii Nauk Azerbaidzhanskoi SSR, 1963. 220 p. 452.1 B24
- 98708 BATTLE, E. H. A thermal-gradient block for the determination of temperature relationships in microorganisms. *Antonie van Leeuwenhoek J. Microbiol. & Serol.* 30(1):81-96. Ref. 1964. 448.8 N28A  
To study growth of yeasts.
- 98709 BAZILEVSKAYA, N. A. Teorii i metody introduktsii rastenii [Theory and methods of plant introduction]. Moskva, Izdatel'stvo Moskovskogo Universiteta, 1964. 131 p. Ref. 463.84 B34
- 98710 BERN (CANTON) NATURSCHUTZKOMMISSION. Report for the years 1960, 1961, and 1962, by O. Friedl and H. Itten. (Ge) Bern. *Natforsch. Gesell. Mitt. (n.s.)* 19:1-38. 1962, pub.1963. 508 B45  
Includes notable trees.
- 98711 BERNISCHE BOTANISCHE GESELLSCHAFT. Minutes of meetings for the year 1960. (Ge) Bern. *Natforsch. Gesell. Mitt. (n.s.)* 19:LVI-LXVIII. 1962, pub.1963. 508 B45  
Includes abstracts of papers.
- 98712 BERNISCHE BOTANISCHE GESELLSCHAFT. Minutes of meetings for the year 1961. (Ge) Bern. *Natforsch. Gesell. Mitt. (n.s.)* 19:LXIX-LXXXI. 1962, pub.1963. 508 B45  
Includes abstracts of papers.
- 98713 BIOLOGISTICS FOR SPACE SYSTEMS SYMPOSIUM, DAYTON, OHIO, 1962. Biologistics for Space Systems Symposium [Papers]. Dayton, 1962. 419 p. Ref. (U. S. Aerospace Medical Division, Wright-Patterson Air Force Base, Ohio. Technical Documentary Report No. AMRL-TDR-62-116) 159.21 B52
- 98714 BOEING CO. BIOASTRONAUTICS SECT. Investigations of selected higher plants as gas exchange mechanisms for closed ecological systems. *Biol. Space Syst. Symp. [Pap.]* 1962: 213-232. 1963. 159.21 B52
- 98715 BOVEE, H. H., and others. Large algal systems. *Biol. Space Syst. Symp. [Pap.]* 1962:8-19. 1963. 159.21 B52  
A. J. Pilgrim, L. S. Sun, J. E. Schubert, T. L. Eng, and B. J. Denishchik, joint authors.
- 98716 BRUGNOLI, A. Hail control. (It) Verona, Italy 1(3):39-44. July 26, 1963. 287 V592  
Use of rays for plant protection.
- 98717 BURGH, J. VAN DER. Lignites of the Miocene browncoal. I. Lignites of the browncoal quarry "Anna" in the south of Limburg (Netherlands). (Ge) *Acta Bot. Neerland.* 13(2):250-301. Ref. July 1964. 450 Ac822  
English summary.
- 98718 CARVALHO VASCONCELLOS, J. DE. The botanical aspects of Garcia de Orta's "Colloquies." (Por) *Soc. de Geog. de Lisboa. B.* 81 (7/12):171-186. Ref. July/Dec.1963. 506 L68  
English summary.  
History of botanical books.
- 98719 CASTELLANOS, A. Bonpland in the River Plate countries. (Sp) *Acad. Colomb. de Cien. Exact., Fis., y Nat. Rev.* 12(45):57-86, map. Ref. Nov.1963. 516 Ac1  
Includes his botanical activities.
- 98720 CHU, C. N. *Cyathea ordosica* C. N. Chu, a new cyatheoid fern from the Jurassic of Dongsheng, the Inner Mongolia Autonomous Region. (Ch) *Acta Bot. Sinica* 11(2/3):272-282. June/Sept. 1963. 450 C432  
English summary.
- 98721 CLENDENING, J. A., and GILLESPIE, W. H. Characteristic small spores of the Pittsburgh Coal in West Virginia and Pennsylvania. *W. Va. Acad. Sci. Proc.* 35:141-150. 1963, pub. 1964. 500 W52
- 98722 COLINVAUX, P. A. Origin of ice ages: pollen evidence from Arctic Alaska. *Science* 145 (3633):707-708. Ref. Aug.14, 1964. 470 Sci2
- 98723 COOKSON, I. C., and MANUM, S. On *Deflandrea victoriensis* n.sp., *D. tripartita* Cookson and Eisenack, and related species. *Roy. Soc. Victoria. Proc. (n.s.)* 77(2):521-524. June 12, 1964. 514 M482  
Paleobotany.
- 98724 COULTER, M. C., and DITTMER, H. J. The story of the plant kingdom. Ed. 3. Chicago, 1964. 467 p. Ref. 463 C833
- 98725 CRAFTS, A. S., and YAMAGUCHI, S. The autoradiography of plant materials. *Calif. Agr. Expt. Sta. Manual* 35, 143 p. Ref. June 1964. 100 C124
- 98726 CROIZAT, L. On the age of the floras of Fray Jorge and Talinay in Chile. *Santiago Chile. Univ. Catolica. Rev. Univ.* 47(52):57-61, map. 1962, pub.1963. 516 Sa56
- 98727 CUNNINGHAM, A. Notes on carbonised wood and leaf fragments occurring in taupo pumice in the vicinity of the Kaweka range. *New Zeal. J. Bot.* 2(2):107-119, map. June 1964. 450 N48
- 98728 DAWSON, J. W. New Caledonia and New Zealand—a botanical comparison. *Tuatara* 11(3): 178-193, map. Sept.1963. 442.8 T79
- 98729 DELLE, G. V. Critical revision of some Jurassic species of horsetail [Equisetum]. (Rus) *Bot. Zhur. [Moscow]* 49(5):720-725, map. Ref. May 1964. 451 R923
- 98730 DETTMANN, M. E. Upper Mesozoic microfloras from south-eastern Australia. *Roy. Soc. Victoria. Proc. (n.s.)* 77(1):1-148, map. Ref. Dec.13, 1963. 514 M482
- 98731 DOUGLAS, J. G. New bennettitalean leaves from the Mesozoic of Eastern Australia. *Roy. Soc. Victoria. Proc. (n.s.)* 77(1):197-206. Ref. Dec.13, 1963. 514 M482
- 98732 EILERS, L. J. The vegetation of the glacial border during the Wisconsin maximum. *Iowa Acad. Sci. Proc.* 70:60-64. Ref. 1963. 500 Io93  
In Iowa.
- 98733 FEDER, W. A., and HUTCHINS, P. C. A rapid technique for fixing and mounting growing fungi. *Phytopathology* 54(7):863-864. July 1964. 464.8 P56
- 98734 FERGUSON, D. Changes in the flora since the Cretaceous. III. *Biol. J.* 3(2):74-79. (Concl.) Autumn 1963. 442.8 B5235  
Europe.
- 98735 FINN, J. C., and BROWN, O. D. R. The permanent lunar base: determination of biological problem areas. *Biol. Space Syst. Symp. [Pap.]* 1962:233-241. 1963. 159.21 B52  
Green plants and photosynthesis.
- 98736 FOTYANOVA, L. I. Upper Miocene flora of the western coast of Sakhalin. (Rus) *Bot. Zhur. [Moscow]* 49(5):649-660. Ref. May 1964. 451 R923  
English summary.
- 98737 FREEMAN, T. Algal limestones of the Marble Falls formation (Lower Pennsylvanian), central Texas. *Geol. Soc. Amer. B.* 75(7):669-675, map. Ref. July 1964. 403 G29
- 98738 FREUDENTHAL, T. Palaeobotany of the mesophytic. I. Palynology of Lower Triassic rock salt, Hengelo, the Netherlands. *Acta Bot. Neerland.* 13(2):209-236. Ref. July 1964. 450 Ac822
- 98739 FRIEDBERG, C., and BERTHE, L. Ethnobotanical note on the ritual use of Balinese rice. (Fr) *J. d'Agr. Trop. et de Bot. Appl.* 10(12): 612-620. Dec.1963. 26 J822
- 98740 FRIORIKSSON, S. On the vegetation of the highland. (Ic) *Natfæringurinn.* 33(1):1-8, map. Ref. Apr.1963. 410 N2142  
English summary.
- 98741 FUCIK, J. E., and TITUS, J. S. An inexpensive circulating-solution culture apparatus. *Agron. J.* 56(4):447-448. July/Aug.1964. 4 Am34P
- 98742 GAFFORD, R. D., and FULTON, J. D. Solar illuminated photosynthetic gas exchanger. *Biol. Space Syst. Symp. [Pap.]* 1962:42-63. Ref. 1963. 159.21 B52
- 98743 GIFFORD, R. O., RUF, R. H., and ECKERT, R. E. Apparatus for extracting plant sap. *Agron. J.* 56(4):447. July/Aug.1964. 4 Am34P



- 98744 GRIFFITH, E. Plant material introduced January 1 to December 31, 1955 (Nos. 222846 to 230876). U. S. Agr. Res. Serv. New Crops Res. Br. Plant Inventory 163,355 p. June 1964. 1 P6981
- 98745 HAJDUK, J. Contribution to a method for reconnaissance of permanent research areas for geobotanical research on the biology of a terrain. (Ge) Biologia [Bratislava] 18(12):889-899. Ref. 1963. 442.8 B5265
- 98746 HAMILTON, W. Discussion of paper by D. I. Axelrod, "Fossil Floras Suggest Stable, Not Drifting, Continents". J. Geophys. Res. 69(8): 1666-1671. Ref. Apr. 15, 1964. 470 J823  
Includes Reply, by D. I. Axelrod.
- 98747 HANNA, G. D., and BRIGGER, A. L. Some fossil diatoms from Barbados. Calif. Acad. Sci. Occas. Papers 45,27 p. Ref. July 1, 1964. 500 C120
- 98748 HILL, M. L. B. Experiences in introducing plants to Martha's Vineyard Island. Amer. Hort. Mag. 43(3):141-149. July 1964. 80 N216  
Ornamental plants.
- 98749 HUDSON, J. P. The history of environmental control. Commonwealth Phytopath. News 10(2): 17-20. Ref. Apr. 1964. 464.8 C73  
Phytotron.
- 98750 JACQUES-FELIX, H. Contribution of Rene Caillie to African ethnobotany in the course of his voyages to Mauritania and Tombouctou 1819-1828. J. d'Agr. Trop. et de Bot. Appl. 10 (12):551-602, map. Ref. (Concl.) Dec. 1963. 26 J822
- 98751 JOHNSON, L. Pollen analysis of two Archaeological sites at Amistad Reservoir, Texas. Tex. J. Sci. 15(2):225-230. June 1963. 470 T31
- 98752 JORGENSEN, S. Early postglacial in Aamosen; geological and pollen-analytical investigations of Maglemosian settlements in the West-Zealand bog aamosen. Denmark. Geol. Undersog. Danmarks Geol. Undersog. (ser.2)1(87),79 p., map. Ref. 1963. 408 D41
- 98753 KOLESNIKOVA, T. D. Aquatic fern, Azolla interglacialica Nikitin, in Quaternary deposits of the Vologda Region. (Rus) Akad. Nauk SSSR. Dok. 157(1):116-118. Ref. 1964. 511 P444A
- 98754 KRIPPEL, E. Post-glacial development of the vegetation in the northern area of the Danube Plain. (Ge) Biologia [Bratislava] 18(10):730-742. Ref. 1963. 442.8 B5265  
Czechoslovakia.
- 98755 KUDZINAW, M. A. A contribution to the study of viability of seeds of introduced trees and shrubs. (Be) Minsk. Belaruskaya Akad. Navuk. Vestsi. Ser. Biyal. Navuk 1:42-49. Ref. 1964. 442.8 M66  
Text in Byelorussian.  
Russian summary.
- 98756 LANG, G. Vegetation research at Lake Constance. (Ge) Umschau 64(9):270-275, map. May 1, 1964. 474 Um7
- 98757 LANJOUW, J., and STAFLEU, F. A. Index herbariorum. I. The herbaria of the world. Regnum Veg. 31(1,ed.5),251 p. 1964. 450 R26
- 98758 LAURENT, C. The museums of the military hospital at Brest. (Fr) Rev. des Corps de Sante des Armees 5(3):335-343. June 1964. 448.8 R329  
Includes the botanic garden as it was in the 1870's.
- 98759 LE GRAVEREND, E. The largest trees of France. (Fr) Rev. Hort. 136(2257):611-613. (Cont.) Jan./Feb. 1964. 80 R32
- 98760 LESTER, R. N. Immunology techniques; details of techniques and methods applicable in immunochemical studies of plant materials. Austin, 1963. 23 p. 386.2 L56
- 98761 LINCOLN, A. Jefferson the scientist. Pacific Discovery 17(4):10-15. July/Aug. 1964. 500 P112  
Includes plant collecting.
- 98762 LOEFLING, P. Plantae americanae. Acad. Colomb. de Cien. Exact., y Nat. Rev. 12 (45,sup.),22 p., following p.92. Nov. 1963. 516 Ac1  
Copies of pages 296 to 405 of his Reise nach den Spanischen Landern in Europa und Amerika in den Jahren 1751 bis 1756.
- 98763 LOKKE, D. H. Pre-Desmoinesian Pennsylvanian occurrences of Komia Korde in Texas and New Mexico. Tex. J. Sci. 16(1):117-119, map. Mar. 1964. 470 T31
- 98764 MCCLEARY, J. A., and WALKINGTON, D. L. Antimicrobial activity of the Cactaceae. Torrey Bot. Club. B. 91(5):361-369. Ref. Sept./Oct. 1964. 451 T63B
- 98765 MAGUIRE, B. Two decades of exploration in the American Tropics. Gard. J. 14(4):124-134. July/Aug. 1964. 80 G1635  
Includes botanical explorations conducted by the New York Botanical Garden.
- 98766 MEGARD, R. O. Biostratigraphic history of Dead Man Lake, Chuska Mountains, New Mexico. Ecology 45(3):529-546, map. Ref. Summer 1964. 410 Ec7  
Plant and insect fossils.
- 98767 MELVILLE, R. The origin of flowers. New Sci. 22(392):494-496. May 21, 1964. 472 N42
- 98768 METCALFE, C. R. Botany today. Pharm. J. 193(5297):103-104. Aug. 1, 1964. 396.8 P49
- 98769 MISIGA, S., and KLEMENTEV, I. Using recording equipment for counting spores. (Cz) Biologia [Bratislava] 18(10):791-792. 1963. 442.8 B5265
- 98770 MOYER, J. E. Aerobic waste disposal systems. Biol. Space Syst. Symp. [Pap.] 1962:281-289. 1963. 159.21 B52  
By algae in space flights.
- 98771 NEUHAUS, M. Ornaments from palms on Bali. (Ge) Kosmos 59(7):295-299. July 1963. 474 K842
- 98772 NEW ZEALAND. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. BOTANY DIV. 1960-62 triennial report. Wellington, 1963. 48 p. 451 N483
- 98773 NOTZOLD, T. Fossil plant remains from the Plio-Pleistocene boundary strata of Alsace. (Ge) Deut. Akad. der Wiss. zu Berlin. Monber. 5(8/9):535-548. Ref. 1963. 509 D48M
- 98774 OLMSTED, J., and MCCLINTOCK, E. Seeds go on journeys. Pacific Discovery 17(4):2-9. July/Aug. 1964. 500 P112
- 98775 PIPES, W. O., and QUON, J. E. Growth of Chlorella on products from the incineration of human wastes. Biol. Space Syst. Symp. [Pap.] 1962:315-327. 1963. 159.21 B52
- 98776 POTE, H. L. Waste conversion by anerobic thermophilic methods. Biol. Space Syst. Symp. [Pap.] 1962:290-294. 1963. 159.21 B52  
Algal cultures in space flights.
- 98777 RADE, J. Lower Cretaceous sporomorphs from the northern part of the Clarence Basin, New South Wales. Roy. Soc. N. S. Wales. J. & Proc. 97(5):175-176, map. 1964. 514 Sy24
- 98778 RATERA, M. E. Plants in the mural paintings of the ancient Egyptians. (Sp) Soc. Argentina de Hort. B. 22(135):35-39. Ref. Jan./Mar. 1964. 83 Sol
- 98779 RUCH, F., and BOSSHARD, U. Photometric determination of substances in the fluorescent microscope. (Ge) Z. f. Wiss. Mikros. u. Mikros. Tech. 65(6):335-341. Nov. 1963. 440.8 Z3  
English summary.  
Applicable to research in botany.
- 98780 SCHREURS, J. A technique for preserving leaf samples with cellophane tape. Tijdschr. over Planteziekten 70(3):90-91. 1964. 464.8 T44
- 98781 SHERWOOD, H. F., and SEEMANN, H. E. The radiography of flowers. Med. Radiogr. Photo-gr. 39(2):48-51. Ref. 1963. 332.8 R11
- 98782 SMITH, J. G., and KAPP, R. O. Pollen analysis of some Pleistocene sediments from Illinois. Ill. State Acad. Sci. Trans. 57(3):158-162. 1964. 500 IL6
- 98783 SMITH, S. G. Natural area conservation in Iowa. Iowa Acad. Sci. Proc. 70:191-196. 1963. 500 Io93
- 98784 SOBIESZCZANSKI, J. Methods of seed sterilisation. I. The apparatus for seed sterilisation. Acta Microbiol. Polon. 12(4):297-300. 1963. 448.3 Ac82
- 98785 SOBIESZCZANSKI, J. New modification of the apparatus for sterile plant cultivation. Acta Microbiol. Polon. 12(4):301-305. 1963. 448.3 Ac82



- 98786** SOLBERG, R. A., and BALD, J. G. Test of a fixative for virus-infected plant cells. *Phytopathology* 54(7):802-806. July 1964. 464.8 P56 Iodine-iodide fixative.
- 98787** SOUKUP, J. Vocabulary of common names of Peruvian flora. (Sp) *Biota* 4(35):281-316; (36):353-368. (Cont.) June-Sept. 1963. 442.8 B5293
- 98788** STAFLEU, F. A. International botanical co-operation and the International Union of Biological Sciences. *Chron. Hort.* 4(2):17-19. July 1964. 80 C462
- 98789** STEVENS, R. B. K-9 botany. *Wash. Acad. Sci. J.* 54(5):176-182. May 1964. 500 W276J Teaching of botany.
- 98790** STOKES, M. A., and SMILEY, T. L. Tree-ring dates from the Navajo Land Claim. II. The western sector. *Tree-Ring B.* 26(1/4):13-27, map. June 1964. 99.8 T713
- 98791** THISTLETON, G. F. Botany. London, Evans Bros., 1963. 112 p. 463 T343
- 98792** TOWNROW, J. A. A speculation of the Rhaeto-Liassic climate of Tasmania. *Roy. Soc. Tasmania. Papers & Proc.* 98:113-118. Ref. 1964. 514 H65 Paleobotany.
- 98793** TRALAU, H. Asiatic dicotyledonous affinities in the Cainozoic flora of Europe. *Svenska Vetenskakad. Handl.* 9(3), 87 p., map. Ref. 1963. 502 St6H
- 98794** U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. The National Arboretum, for research and education. Washington, 1964. 12 p. A451.1 W27
- 98795** U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. The United States National Arboretum, Washington, D. C. U. S. D. A. PA 309, rev., 8 p.-folder. June 1964. 1 Ag84Pro
- 98796** VAN STEENIS, C. G. G. J. Definition of the concept "inflorescence" with special reference to ligneous plants. *Flora Malesiana Bull.* 18: 1005-1007. Dec. 1963. 460.21 B87
- 98797** VIENNA. NATURHISTORISCHES MUSEUM. *Annalen*, 66. Band [Annals, volume 66], 1962. *Nathist. Mus. Wien. Ann.* 66, 523 p. Ref. 1963. 410.9 V672 Includes botany and entomology.
- 98798** VOISEY, P. W., and KLOEK, M. A Portable leaf area measuring instrument. *Canad. J. Plant Sci.* 44(4):389-391. July 1964. 450 C16
- 98799** VOORRIPS, A. A pollenanalytical investigation of a boring made near a river dune in South-Holland. *Acta Bot. Neerland.* 13(2):237-245. Ref. July 1964. 450 Ac822
- 98800** VOROSS, L. ZS. The old marshes at Szaporca. (Hu) *Buvar* 9(2):86-89. Mar./Apr. 1964. 410 B98 Aquatic plants, chiefly.
- 98801** WAGAR, J. A. The insolation grid. *Ecology* 45 (3):636-639. Summer 1964. 410 Ec7 For measuring sunlight in ecological studies.
- 98802** WALKER, P. H., and BRUSH, G. S. Observations on bog and pollen stratigraphy of the Des Moines Glacial Lobe, Iowa. *Iowa Acad. Sci. Proc.* 70:253-260, map. Ref. 1963. 500 Io93
- 98803** WALLMAN, H., and DODSON, J. Design and development of an engineering model photo-synthetic gas exchanger. *Biol. Space. Syst. Symp.* [Pap.] 1962:20-41. 1963. 159.21 B52
- 98804** WALTON, J. On the morphology of Zosterophyllum and some other early Devonian plants. *Phytomorphology* 14(1):155-160. Ref. Mar. 1964. 450 P566
- 98805** WIEDMAN, V. E., WALNE, P. L., and TRAINOR, F. R. A new technique for obtaining axenic cultures of algae. *Canad. J. Bot.* 42(7):958-959. July 1964. 470 C16C
- 98806** WILLIAMS, G. E. The geology of the Kinglake district, central Victoria. *Roy. Soc. Victoria. Proc.* (n.s.) 77(2):273-327, map. Ref. June 12, 1964. 514 M482 Includes paleobotany.
- 98807** WITHNER, C. L. Notes on the cultivation of insectivorous plants in vitro. *Torrey Bot. Club. B.* 91(5):412-413. Sept./Oct. 1964. 451 T63B

- 98808** WOLFE, J. A. Miocene floras from Finger-rock Wash, southwestern Nevada. U. S. Geol. Survey. Prof. Paper 454-N, 36 p., map. Ref. 1964. 407 G29Pr
- 98809** WORNARDT, W. W. Pleistocene diatoms from Mono and Panamint Lake Basins, California. *Calif. Acad. Sci. Occas. Papers* 46, 27 p. Ref. July 1, 1964. 500 C120
- 98810** WRIGHT, H. E. Aspects of the early postglacial forest succession in the Great Lakes region. *Ecology* 45(3):439-448, map. Ref. Summer, map. 1964. 410 E

## SYSTEMATIC AND GEOGRAPHIC BOTANY

## General

- 98811** ADAM, J. G. First supplement to the inventory of flora of Mauritania. (Fr) *Notes Africaines* 102:61-63. Apr. 1964. 475 N84
- 98812** BECHERER, A. Flora of Lake Como Basin. (Ge) *Bauhinia* 2(2):214-215. Oct. 1963. 450 B32
- 98813** BECHERER, A. Flora of Val Cavargna and the environs of Porlezza. (Ge) *Bauhinia* 2(2):121-129. Ref. Oct. 1963. 450 B32
- 98814** BECHERER, A. Survey of the border species of the Swiss flora. (Ge) *Bauhinia* 2(2):130-161. Ref. Oct. 1963. 450 B32
- 98815** BECK, R. Additions to the vascular flora of south central Iowa. *Iowa Acad. Sci. Proc.* 70: 51-52. 1963. 500 Io93
- 98816** BOGACHEV, V. K., GOROKHOVA, V. V., and DUBROVINA, A. V. New data on localities of plant species rare for Yaroslavl area. (Rus) *Bot. Zhur. [Moscow]* 49(5):709-712. May 1964. 451 R923
- 98817** BUREN, G. VON., and LEISER, G. Lobsigen Lake. (Ge) *Bern. Natforsch. Gesell. Mitt.* (n.s.) 19:39-117, map. Ref. 1962, pub. 1963. 508 B45 Includes plankton, aquatic plants, vegetation, and insects.
- 98818** DEGENER, O., and DEGENER, I. Flora Hawaiian Islands or new illustrated flora of the Hawaiian Islands, Book 6. Ed. 2. n.p., 1963. unpagd. 460.53 D36F
- 98819** DODDS, K. S. Plant taxonomy. *Span* 7(2):67-71. 1964. 464.8 Sp2
- 98820** EBERLE, G. Gesteinsflur; Vorbild unserer Steingarten [Rock meadows; prototype of our rock gardens]. *Senckenb. Natforsch. Gesell. Senckenb.-Buch* 43, 152 p. Ref. 1963. 410.9 Se52S Europe.
- 98821** ERDTMAN, H. Some aspects of chemotaxonomy. *Int. Symp. Chem. Natur. Prod. Spec. Introd. Lect., 2d Symp.*:679-708. Ref. 1962, pub. 1963. 385 In823 In botany.
- 98822** ERIKSSON, J. Botanical notes from the Somali Plateau in South Ethiopia. I. Some general observations on flora and vegetation. *Bot. Not.* 117(1):1-9, map. 1964. 450 B656
- 98823** GOULD, S. W. The new International Plant Index. *Agr. Sci. Rev.* 2(1):36. Winter 1964. A31.3 Ag893 Publication of Family Names of the Plant Kingdom.
- 98824** HAJDUK, J. Florograficke pomery uzemia Galmusu; (Spissko-gemerske rudohorie) [Plant geographic conditions in the Galmus region; (Spissko-gemerske rudohorie-Zips-Gomorer Erzgebirge)]. *Biol. Prace*, 9(10), 49 p., map. Ref. 1963. 442.9 SL52 German summary.
- 98825** HEIM, P. J. The moor at Nuolen. (Ge) *Zurich. Natforsch. Gesell. Vrtljahrsschr.* 108(4): 459-465. Dec. 1963. 508 Z8 Includes flora at the Zurichesees.
- 98826** HILD, J. The little known land of the Pyrenees. (Ge) *Kosmos* 59(10):420-428. Oct. 1963. 474 K842 Includes vegetation.

- 98827** HITCHCOCK, C. L., and others. Vascular plants of the Pacific Northwest. Part 2. Salicaceae to Saxifragaceae. Wash. U. P. Biol. 17, 597 p. 1964. 442.9 W27  
A. Cronquist, M. Ownbey, and J. W. Thompson, joint authors.
- 98828** HOWITT, B. F., HOWELL, J. T., and BOWEN, O. E. The vascular plants of Monterey County, California. Wasmann J. Biol. 22(1):1-184, map. Ref. Spring 1964. 442.8 W28
- 98829** KRUCKEBERG, A. R. The naming of plants. II. Arboretum B. 27(2):33-36, 50-51. Ref. Summer 1964. 451 Ar1
- 98830** LUTEN, D. B. On chemistry and taxonomy—both biological and chemical. Lloydia 27(2): 135-137. June 1964. 442.8 L77  
Plant taxonomy.
- 98831** MAIRE, R. Flore de l'Afrique du Nord [The flora of North Africa], v.9. Paris, Lechevalier, 1963. 300 p. (Encyclopedie Biologique, LX) 460.41 M28F
- 98832** MARQUARDT, W. The vegetation zones of Madagascar. II. (Ge) Kosmos 59(10):448-452. Oct. 1963. 474 K842
- 98833** MASON, C. T. Notes on the flora of Arizona. III. Madrono 17(7):236. July 1964. 450 M26
- 98834** MOUTERDE, P. A contribution to the study of the Syrian and Lebanese flora. Soc. Bot. de France. B. 109(7/8):191-203. (Cont.) Oct./Nov. 1962. 451 F84B
- 98835** NEW TAXA for the flora of South America. (Sp) Soc. Argentina de Bot. B. 10(2/3):220-227. Oct. 1963. 451 So124
- 98836** PARFENT'EVA, N. S. On the position of Ayno Islands of the Barents Sea in the scheme of geobotanical division of Kola Peninsula into districts. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauki 2:141-143. 1963. 442.8 N22
- 98837** REBRISTAYA, O. V. Boundaries of the distribution of Siberian species in northern Europe and part of USSR. (Rus) Bot. Zhur. [Moscow] 49(6):839-853, map. June 1964. 451 R923
- 98838** RIEDL, R., ed. Fauna und Flora der Adria; ein systematischer Meeresführer für Biologen und Naturfreunde [Fauna and flora of the Adriatic; a systematic guide to the sea for biologists and nature lovers]. Hamburg, Parey, 1963. 640 p., map. 442 R443  
Includes arthropods and a glossary on equipment and techniques, p.583-593.
- 98839** RYVARDEN, L. Contribution to the flora of Finmark. (No) Blyttia 22(2):66-67. 1964. 450 B622
- 98840** SCHILLING, A. D., and POLLARD, D. F. W. The flora of Sordalen Valley in Lyngen, northern Norway. (No) Blyttia 22(2):53-65, map. 1964. 450 B622  
English summary.
- 98841** SCHULTES, R. E. Plantae Colombianae. XVIII. De Plantis regionis Amazonicae notae. Harvard U. Bot. Mus. L. 20(9):317-324. June 30, 1964. 451 H262
- 98842** SHINNERS, L. H. How to study the Florida flora. SIDA 1(5):257-261. June 1964. 450 Sil
- 98843** SHMIDT, V. M., and VARGINA, N. E. Limestone baring flora near Pskov, right bank of the Velikaya River. (Rus) Leningrad. U. Vest. Ser. Biol. 4:38-48. 1963. 442.9 L542V  
English summary.
- 98844** SJOSTEDT, B. Contribution to the flora of Skanes. 55. Flora and vegetation of Lovestad Parish. (Sw) Bot. Not. 117(1):79-91, map. 1964. 450 B656  
English summary.
- 98845** THERIET, J. W. More additions to the Louisiana flora. SIDA 1(5):294-295. June 1964. 450 Sil
- 98846** UEMATSU, H. On relic plants of Mt. Kitadake. (Ja) J. Jap. Bot. 38(10):30-31. Oct. 1963. 450 J8223
- 98847** VAN STEENIS, C. G. G. J. Organisation of the Botanical Survey of India. Flora Malesiana Bull. 18:1007-1010. Dec. 1963. 460.21 B87
- 98848** WELSH, S. L., and ERDMAN, J. A. Annotated checklist of the plants of Mesa Verde, Colorado. Brigham Young U. Sci. B. Biol. Ser. 4(2), 32 p. Ref. Apr. 1964. 500 B76
- 98849** WILLIS, J. H. Vegetation of the basalt plains in western Victoria. Roy. Soc. Victoria. Proc. (n.s.) 77(2):397-418. Ref. June 12, 1964. 514 M482  
A flora.
- 98850** ZAVATTARI, E. Geography and biogeography. (It) Soc. Geog. Ital. B. (ser.9) 4(7/8):321-342. July/Aug. 1963. 507 So15B  
English summary.  
Includes plants.
- Spermatophytes
- 98851** ADAM, J. G. A forest of copaltrees in Senegal (Guibourtia copallifera Benn.); distribution in West Africa. (Fr) Soc. Bot. de France. B. 109(7/8):185-191. Oct./Nov. 1962. 451 F84B
- 98852** AELLEN, P. Additions to the Salsola of South West Africa. (Ge) Munich. Bot. Staatssamml. Mitt. 5:117-119. Dec. 31, 1963. 451 M92  
Includes n. sp.
- 98853** ANDERSON, L. C. Taxonomic notes on the Chrysothamnus viscidiflorus complex (Asteraceae, Compositae). Madrono 17(7):222-227. July 1964. 450 M26
- 98854** APPALACHIAN MOUNTAIN CLUB. Mountain flowers of New England. Boston, 1964. 147 p. 455.2 Ap4
- 98855** BEAUDRY, J. R., BRISSON, S., and CAYOUE-TE, R. Solidago gilvocanescens in Quebec. (Fr) Nat. Canad. 90(8/9):223-224. Aug./Sept. 1963. 410 N216
- 98856** BORALAH, G., and HEIMBURGER, M. Cytotaxonomic studies on New World Anemone (section Erioccephalus) with woody rootstocks. Canad. J. Bot. 42(7):891-922, map. Ref. July 1964. 470 C16C
- 98857** BRADSHAW, M. E. Studies on Alchemilla filiculis Bus. sensu lato and A. minima Walters. III. Alchemilla minima. Watsonia 6(1):76-81. May 1964. 450 W33
- 98858** BREHM, B. G., and ALSTON, R. E. A chemotaxonomic study of Baptisia leucophaea var. laevicaulis (Leguminosae). Amer. J. Bot. 51 (6, pt. 1):644-650. Ref. July 1964. 450 Am36
- 98859** BREITUNG, A. J. Cultivated and native Agaves in the southwestern United States. 32. Cactus & Succulent J. 36(4):101-104. July/Aug. 1964. 451 C11
- 98860** BRUCHER, H. Critical considerations on the nomenclature of Argentinian wild potatoes. VII. Solanum setulosistylum Bitter, a species of the series Commersoniana, falsely interpreted for fifty years. (Ge) Zuchter 34(1):27-32. Ref. 1964. 442.8 Z8  
English summary.  
Identical with S. chacoense Bitter.
- 98861** BRYAN, J. K. Field observations on the sympatric occurrence of species of Gaura (Onagraceae) in central Texas. Southwest. Natur. 8(1): 10-14. May 10, 1963. 409.6 So8
- 98862** BUINING, A. F. H. Pyrrhocactus occultus (Phil.) Ritter. (Du) Succulenta 43(3):35-37. Mar. 1964. 450 Su12
- 98863** CABRERA, A. L. Studies on the genus Hypochoeris. (Sp) Soc. Argentina de Bot. B. 10(2/3): 166-195. Oct. 1963. 451 So124  
Includes n. spp.
- 98864** CANNON, J. F. M. Intraspecific variation in Lathyrus nissolia L. Watsonia 6(1):28-35, map. May 1964. 450 W33
- 98865** CAPURON, R. Rhopalocarpaceae [Rhopalocarpaceae]. Paris, 1963. 42 p. (Humbert, H. Flore de Madagascar et des Comores. 127e famille) 460.51 H88F
- 98866** CARR, S. G. M., and CARR, D. J. The taxonomic position of certain eucalypts. Roy. Soc. Victoria. Proc. (n.s.) 77(1):207-216. Ref. Dec. 13, 1963. 514 M482
- 98867** CHENG, W. C., TUANMU, H., and CHAO, C. S. Notes on Castanopsis (D. Don) Spach. (Ch) Lin Yeh K'o Hsueh 8(2/4):186-189. Apr./Oct. 1963. 99.8 L632  
English summary.  
Includes n. spp.



- 38868 CHIEN, S. S., and CHUN, W. Y. Flora Republicae Popularis Sinicae. LXVIII. Angiospermae. Peking, 1963. 449 p. 460.14 C445  
Text in Chinese.  
Includes n. spp. in Pedicularis and Pterygiella.
- 38869 CLAYBERG, C. D. A miniature hybrid Sinningia. Baileya 12(2):43-46. June 1964. 80 B15
- 38870 CLIFFORD, H. T. The systematic position of the grass genus Micraira F. Muell. Queensland, U. Dept. Bot. Papers 4(8):87-94. Ref. Feb.3,1964. 442.9 Q33
- 38871 CONTANDRIOPOULOS, J., and QUEZEL, P. Concerning Veronica contandriopouli Quezel, new endemic species of Mount Kyllini (southern Greece). (Fr) Acad. des. Sci. Compt. Rend. 259(2):425-427. July 15,1964. 505 P21
- 38872 CORNER, E. J. H. Why Ficus, why Moraceae? Flora Malesiana Bull. 18:1000-1004. Dec.1963. 460.21 B87
- 38873 CUATRECASAS, J. Cacao and its allies, a taxonomic revision of the genus Theobroma. U. S. Natl. Mus. Contrib. U. S. Natl. Herb. 35 (6):375-614, map. Ref. 1964. 450 C76
- 38874 DAWSON, J. W. Two New Zealand alpine. Tuatara 11(3):168. Sept.1963. 442.8 T79  
Ranunculus lyallii and Haastia pulvinaris.
- 38875 DEWEY, D. R. Natural and synthetic hybrids of Agropyron spicatum x Sitanion hystrix. Torrey Bot. Club. B. 91(5):396-405. Ref. Sept./Oct.1964. 451 T63B
- 38876 DE WINTER-HENDERSON, M. A new Helichrysum from South Africa. Munich. Bot. Staatssamml. Mitt. 5:115-116. Dec.31,1963. 451 M92
- 38877 DIXON, P. S. Taxonomic and nomenclatural notes on the Florideae. IV. Bot. Not. 117(1): 56-78. Ref. 1964. 450 B656
- 38878 DULFER, H. New species and varieties of the genus Erica L. from South Africa. (Ge) Nat-hist. Mus. Wien. Ann. 66:19-33. 1962, pub.1963. 410.9 V672
- 38879 DUNSTERVILLE, G. C. K. Auyantepui, home of fifty million orchids. Amer. Orchid Soc. B. 33(8):678-689, map. Aug.1964. 80 Am329
- 38880 DUPONT, P., and DUPONT, S. On the presence in France of an Iberian broom. (Fr) Toulouse. Soc. d'Hist. Nat. B. 98(1/2):211-214. First/Second Q.1963. 505 T64  
Sarthamnus sp.
- 38881 DURAND, B. The Mercurialis annua L.S.L. complex, a biosystematic study. (Fr) Ann. des Sci. Nat. Bot. et Biol. Veg. (ser.12)4(3):579-623, map. July/Sept.1963. 450 An75
- 38882 EDGAR, E. The leafless species of Juncus in New Zealand. New Zeal. J. Bot. 2(2):177-204. Ref. June 1964. 450 N48  
Includes new spp.
- 38883 EDLIN, H. L. A modern sylva or a discourse of forest trees. 10. Cypress: conifers of the Cupressus and Chamaecyparis genera. Q. J. Forestry 58(3):208-217. July 1964. 99.8 Q2
- 38884 ENDO, M. A new locality of Balanophora japonica Makino var. nipponica Ohwi. (Ja) J. Jap. Bot. 39(2):31. Feb.1964. 450 J8223
- 38885 ERICSON, J. E. Field identification of white-bark and limber pines based upon needle resin canals. J. Forestry 62(8):576-577. Aug.1964. 99.8 F768
- 38886 EVERIST, S. L. Leucaena leucocephala, the correct botanical name for Leucaena glauca. Queensland J. Agr. Sci. 20(4):547. Dec.1963. 23 Q37
- 38887 EXELL, A. W. Angiosperms of the Cambridge Annobon Island Expedition. Brit. Mus. (Nat. Hist.) B. Bot. 3(3):93-118. 1963. 451 B774  
Includes n. sp. in Beckeropsis.
- 38888 FROHNER, S. Three problem Alchemilla from north Europe. (Ge) Bot. Not. 117(1):33-55. Ref. 1964. 450 B656  
Includes n. spp.
- 38889 FUJITA, Y. Angelica glabra Makino, A. schischuoid Koidz. and A. pubescens Maxim. (Ja) J. Jap. Bot. 38(10):21-24. Ref. Oct.1963. 450 J8223  
English summary.
- 38890 GAVDE, S. G. A note on Celastrus paniculata Willd. J. Biol. Sci. 6(1):8-10. June 1963. 442.8 J827  
India.
- 38891 GLASSMAN, S. F. Grass flora of the Chicago region. Amer. Midland Nat. 72(1):1-49, map. Ref. July 1964. 410 M58
- 38892 GODFREY, R. K., and ADAMS, P. The identity of Sagittaria isoetiformis (Alismataceae). SIDA 1(5):269-273. June 1964. 450 Sil
- 38893 GOMBAULT, R. A new Syrian Allium. (Fr) Soc. Bot. de France. B. 109(7/8):204. Oct./Nov.1962. 451 F84B
- 38894 GREEN, P. S. Registration of cultivar names in Ulmus. Arnoldia 24(6/8):41-80. July 24,1964. 451 Ar6Ba
- 38895 GRIFFIN, J. R. David Douglas and the digger pine [Pinus sabiniana]: some questions. Madrono 17(7):227-230, map. July 1964. 450 M26
- 38896 GROHOLT, L. Cicuta virosa L. found in Finnmark, Northern Norway. (No) Blyttia 22(2): 81-85. 1964. 450 B622  
English summary.
- 38897 GUNCKEL LUER, H. Historical review of the development of knowledge concerning the Chilean species of the genus Uncinia Persoon (Cyperaceae). (Sp) Santiago Chile. Univ. Catolica. Rev. Univ. 47(52):3-15. 1962, pub.1963. 516 Sa56
- 38898 HALLGRIMSSON, H. Notes on Russula alpina (Blytt) Moll. & Schaeff. (Ic) Natfraeingurinn. 33(1):22-29. Ref. Apr.1963. 410 N2142  
English summary.
- 38899 HARA, H. On Dichondra of Japan. (Ja) J. Jap. Bot. 38(10):29-30. Oct.1963. 450 J8223
- 38900 HARRINGTON, L. The baobab, tree with the gouty stem. Canad. Geog. J. 69(2):60-63. Aug.1964. 470 C162
- 38901 HENDRYCH, R. Austroamericium, a new genus. (Sp) Soc. Argentina de Bot. B. 10(2/3): 120-128, map. Oct.1963. 451 Sol24  
From the genus Thesium.
- 38902 HISAUCHI, K. A record of new aliens. (Ja) J. Jap. Bot. 38(12):23-25. Dec.1963. 450 J8223  
English summary.  
Verbesina occidentalis. Pycnanthemum flexuosum, Panicum capillare and Eragrostis curvula.
- 38903 HJELMQVIST, H. Potentilla micrantha as a garden fugitive. (Sw) Bot. Not. 117(1):97. 1964. 450 B656
- 38904 HUBER, H. Comparative relationships in the Rosiflorae. (Ge) Munich. Bot. Staatssamml. Mitt. 5:1-48. Ref. Dec.31,1963. 451 M92
- 38905 HUBER-MORATH, A. Contribution to the knowledge of the distribution of Gypsophila and Bolanthus in Anatolia. (Ge) Bauhinia 2(2):177-191. Oct.1963. 450 B32  
Includes n. spp. in both genera.
- 38906 HUBER-MORATH, A. Is Hieracium porrifolium L. found in Switzerland? (Ge) Bauhinia 2(2): 162-166. Oct.1963. 450 B32
- 38907 HUBER-MORATH, A. Novitiae florum Anatolicae. VI. Bauhinia 2(2):192-213. Oct.1963. 450 B32  
Text in German.  
New spp. in Aethionema, Erysimum, Matthiola, Velezia, Scabiosa, Campanula, and Alkan-na.
- 38908 INGERSLEV, L. Echinochloe colona (L.) Linck. Flora og Fauna 70(2):43-44. June 1964. 410 F662  
Text in Danish.
- 38909 INGERSLEV, L. An Echinochloe variety. (Da) Flora og Fauna 70(2):44. June 1964. 410 F662  
Echinochloe crussgalli var. frumentaceum.
- 38910 JOHNSTON, M. C., and WARNOCK, B. H. Phyllanthus and Reverchonia (Euphorbiaceae) in far western Texas. Southwest. Natur. 8(1):15-22, map. Ref. May 10,1963. 409.6 So8
- 38911 JULIN, E., and NORDENSTAM, S. Hieracium in northeastern Norrbotten (North Sweden). (Ge) Bot. Not. 117(1):15-27. Ref. 1964. 450 B656  
Includes n. spp.



- 98912 KALDA, A. Some rare plants at Soometsa. (Es) Eesti Loodus 6:344-345. Nov./Dec.1963. 409.6 Ee7  
English summary.  
Includes *Allium ursinum* and *Lunaria rediviva*.
- 98913 KATAKI, S. K., and PANIGRAHI, G. Ranunculaceae in Assam and North East Frontier Agency. Indian Forester 90(6):394-400. June 1964. 99.8 In2
- 98914 KAZMI, S. M. A. Revision of the genus *Carduus* (Compositae). I. (Ge) Munich. Bot. Staats-samml. Mitt. 5:139-198, map. Dec.31, 1963. 451 M92  
Subgenus *Afrocarduus*.
- 98915 KERFOOT, O. Contributions to the arboreal flora of Israel: *Juniperus oxycedrus* L. (He) La-Yaaran 14(2):21-23. June 1964. 99.9 So19  
English summary, p.52-48.
- 98916 KIMNACH, M. *Epiphyllum phyllanthus*. *Cactus & Succulent J.* 36(4):105-115. July/Aug. 1964. 451 C11
- 98917 KITAGAWA, M. *Notulae fractae ob floram Asiae orientalis*. 16. J. Jap. Bot. 38(10):11-20. Oct.1963. 450 J8223  
Text in Japanese.  
Includes n. sp. in *Eritrichium*.
- 98918 KOE, M., and RECHINGER, K. H. *Symbolae afghanicae*; enumeration and descriptions of the plants collected by L. Edelberg and M. Koie on "The 3rd Danish Expedition to Central Asia" and by G. Kerstan, W. Koelz, H. F. Neubauer, O. H. Volk, and others in Afghanistan. V. Danske Vidensk. Selsk. Biol. Skr. 13(4):267 p., map. 1963. 442.9 D23B  
Includes following n. g.: *Crematosciadium*, and n. spp. in *Ephedra*, *Zygophyllum*, *Bunium*, *Bupleurum*, *Chaerophyllum*, *Ferula*, *Heracleum*, *Eleuterospermum*, *Ligusticum*, *Platytaenia*, *Prangos*, *Pycnocycla*, *Scaligeria*, *Selinum*, *Trachydium*, *Psylliostachys*, *Acantholimon*, *Heliotropium*, *Lindelofia*, *Paracaryum*, *Mattiastrum*, *Rindera*, *Nonnea*, *Mertensia*, and *Roche-lia*.
- 98919 KOYAMA, T., and KAWANO, S. Critical taxa of grasses with North American and eastern Asiatic distribution. *Canad. J. Bot.* 42(7):859-884, map. Ref. July 1964. 470 C16C
- 98920 KUNZ, H. Brief, critical contributions to the flora of Basel and environs. III. (Ge) *Bauhinia* 2(2):117-120. Oct.1963. 450 B32  
*Rumex paluster* Sm.
- 98921 LAKELA, O. Systematic status of *Ammopur-sus ohlingerae* (Compositae). *SIDA* 1(4):240-247. June 1964. 450 Si1  
Synonym of *Liatris ohlingerae*.
- 98922 LARSEN, E. A new species of pine from Mexico. *Madrono* 17(7):217-218. July 1964. 450 M26
- 98923 LETOUZEY, R. Flore du Gabon [Flora of Gabon. 6. Rutaceae, Zygophyllaceae, and Balan-itaceae]. Paris, 1963. 123 p. 460.45 F66
- 98924 LID, J. The flora of Jan Mayen. Norsk Polar-inst. Skr. 130, 107 p., map. Ref. 1964. 409 N76  
Includes n. spp. in *Taraxacum*.
- 98925 LUZNY, J. Systematic classification of world varieties of white cabbage (*Brassica oleracea* var. *capitata* f. *alba*). (Ge) *Zuchter* 34(1):1-13. Ref. 1964. 442.8 Z8
- 98926 MACDOUGALL, T. Two tree *Furcreas*. *Cactus & Succulent J.* 36(4):116-117. July/Aug. 1964. 451 C11  
*Furcrea longaeva* and *F. macdougallii*.
- 98927 MAEKAWA, F. Differentiation of *Adenocaulon* (Compositae). (Ja) J. Jap. Bot. 38(10):28. Oct. 1963. 450 J8223  
English summary.
- 98928 MAEKAWA, F. *Scirpus americanus* complex and *Oxalis corniculata* complex as the presumable examples for *Coriaria*-type distribution. (Ja) J. Jap. Bot. 39(2):29. Feb.1964. 450 J8223
- 98929 MARKS, R. T. Trees and shrubs for Montana. *Mont. State Col. Ext. B.* 323, 65 p., map. Oct. 1963. 275.29 M76C  
Identification.
- 98930 MENNINGER, E. A. Golden bells from Ecuador (*Tecoma castanifolia*). *Baileya* 12(2):33-35. June 1964. 80 B15
- 98931 MURTY, Y. S., and SINGH, V. Two new plant records for the Upper Gangetic plain. *Sci. & Cult.* 30(3):150-151. Mar.1964. 475 Sci24  
*Epilobium hirsutum* and *Blyxa echinosperma*.
- 98932 NORDHAGEN, R. On *Anemone nemorosa* L. at Vadso and other Norwegian plant finds made by deceased judge Jakob Bredrup. (No) *Blyttia* 22(2):73-77. 1964. 450 B622
- 98933 OLDEMEYER, R. K. *Beta macrorhiza* Stev. *Amer. Soc. Sugar Beet Technol. J.* 12(8):637-640. Jan.1964. 66.9 Am35J
- 98934 OLKOWSKI, M., and OLESINSKI, L. New localities of *Betula humilis* Schrk. in the Pojezierze Mazurskie region. (Pol) *Polska Akad. Nauk. Inst. Bot. Mater. Florystyczne i Geobot.* 9(1):31-34, map. 1963. 451 P76  
English summary.
- 98935 PAPAIOANNOU, J. The geographical distribution of *Populus nigra* L. var. *pubescens* Parl., and of *Populus thevestina* Dode and their hybrids. *World Consultation Forest Genet. Tree Impr. Proc.* 1(4/11), 15 p., map. Ref. 1963. 99.9 W894
- 98936 PAWLOWSKA, S. De *Soldanellis*, quae in parte septentrionali *Carpatorum* crescunt. *Polska Akad. Nauk. Inst. Bot. Mater. Florystyczne i Geobot.* 9(1):3-30, map. Ref. 1963. 451 P76  
Text in Latin.
- 98937 PETIT, E. The African species of the genus *Psychotria* L. (Rubiaceae). I. (Fr) *Brussels. Jard. Bot. de l'Etat. B.* 34(2):161-229. June 30, 1964. 451 B83B  
Includes new spp.
- 98938 PHITOS, D. A new species of the genus *Campamula* from the Aegean. (Ge) *Munich. Bot. Staatssamml. Mitt.* 5:121-124. Dec.31, 1963. 451 M92
- 98939 PINTO-ESCOBAR, P. Catalog of the genera of grasses of Colombia. (Sp) *Acad. Colomb. de Cien. Exact., Fis., y Nat. Rev.* 12(45):95-117, map. Ref. Nov.1963. 516 Ac1
- 98940 RAUH, W. *Didiereaceae* [Didiereaceae]. Paris, 1963. (Humbert, H. Flore de Madagascar et des Comores. 121<sup>e</sup> famille) 37 p. 1963. 460.51 H88F
- 98941 RAYMOND, M. *Cyperaceae novae vel criticae*. III. *Nat. Canad.* 91(4):126-132. Apr.1964. 410 N216  
Text in French.
- 98942 RECHINGER, K. H. The Caryophyllaceae genus *Pleioneura* Rech. f. and its systematic position. (Ge) *Nathist. Mus. Wien. Ann.* 66:45-50. 1962, pub.1963. 410.9 V672
- 98943 RIEDL, H. Revision of the annual species of *Adonis* L. (Ge) *Nathist. Mus. Wien. Ann.* 66:51-90. Ref. 1962, pub.1963. 410.9 V672
- 98944 RISSEUW, M. *Primitiae Africanae*. V. A revision of the genus *Buchholzia* Engler (Capp.). *Acta Bot. Neerland.* 13(2):161-174, map. July 1964. 450 Ac822
- 98945 RITTER, F. *New Parodia*. 2. (Du) *Succulenta* 43(3):43-44. Mar.1964. 450 Su12
- 98946 ROBERTS, R. H. *Mimulus* hybrids in Britain. *Watsonia* 6(1):70-75. May 1964. 450 W33
- 98947 ROCK, J. F. A new Hawaiian *Pritchardia*. *Bernice P. Bishop Mus. Occas. Papers* 23(4):61-63. Aug.10, 1962. 500 B450
- 98948 RORSLETT, B. *Ceratophyllum demersum* found at Jaeren. (No) *Blyttia* 22(2):86-88. 1964. 450 B622
- 98949 ROSSIGNOL, M. Concerning development of *Hystriospheres*. (Fr) *Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)* 35(2):207-212. 1963. 410.9 P213  
Fossils.
- 98950 ROSTANSKI, K., and GOLOWIN, S. The occurrence of some *Alchemilla* species in Lower Silesia. (Pol) *Polska Akad. Nauk. Inst. Bot. Mater. Florystyczne i Geobot.* 9(1):69-72. 1963. 451 P76  
English summary.
- 98951 ROUANE, P. Taxonomy of the cultivars of *Thuya*, Cupressaceae: *Chamaecyparis lawsoniana*. (Fr) *Toulouse. Soc. d'Hist. Nat. B.* 98 (1/2):257-274. Ref. First/Second Q.1963. 505 T64
- 98952 ROWLEY, G. D., and NEWTON, L. E. *Reperitorium plantarum succulentarum XIII*. 1962. *Regnum Veg.* 32, 15 p. 1962. 450 R26



- 98953 SCHREIBER, A. The genus *Zygophyllum* L. in South West Africa. (Ge) Munich. Bot. Staats-samml. Mitt. 5:49-114, map. Dec. 31, 1963. 451 M92
- 98954 SCHURZ, J. Native poisonous plants: *Daphne mezereum*, the poisonous harbinger of spring. (Ge) Kosmos 60(2):96-98. Feb. 1964. 474 K842
- 98955 SHERFF, E. E. Miscellaneous notes on some American and Hawaiian dicotyledons. Bernice P. Bishop Mus. Occas. Papers 22(12):207-214. Apr. 27, 1962. 500 B450
- 98956 SHERFF, E. E. Some recently collected dicotyledonous plants from the Hawaiian Islands and Mexico. Bernice P. Bishop Mus. Occas. Papers 23(7):121-127. June 15, 1964. 500 B450  
Includes new sp. in *Bidens*.
- 98957 SHIAM, R. Monographic studies on *Cyperus esculentus*. Agra U. J. Res. Sci. 12(3):181-183. Sept. 1963. 513 Ag8
- 98958 SHINNERS, L. H. *Amaranthus microphyllus* Shinners, sp. nov. (Amaranthaceae). SIDA 1(4):248-249. June 1964. 450 Sil
- 98959 SHINNERS, L. H. *Machaeranthera pinnatifida* (Hooker) Shinners, comb. nov. (Compositae). SIDA 1(5):295. June 1964. 450 Sil
- 98960 SHINNERS, L. H. *Micranthemum glomeratum* (Chapman) Shinners, comb. nov. (Schrophulariaceae). SIDA 1(4):252. June 1964. 450 Sil
- 98961 SHINNERS, L. H. *Scutellaria thieretii* (Labiateae), a new species from coastal Louisiana. SIDA 1(4):251-252. June 1964. 450 Sil
- 98962 SHINNERS, L. H. *Texas Evax* transferred to *Filago* (Compositae). SIDA 1(4):252-253. June 1964. 450 Sil
- 98963 SHINNERS, L. H. *Tigridia purpurea* (Herbert) Shinners, comb. nov. (Iridaceae). SIDA 1(5):295. June 1964. 450 Sil
- 98964 SHINNERS, L. H. *Verbesina walteri* Shinners, nom. nov. (Compositae). SIDA 1(4):253. June 1964. 450 Sil
- 98965 SKOGEN, A. *Datura stramonium* L. in the Trondheim Region of Norway. (No) Blyttia 22(2):78-80. 1964. 450 B622  
English summary.
- 98966 SMEJKAL, M. Taxonomic studie ceskoslovenskych druhu rodu *Euphrasia* L. [Taxonomic study on the Czechoslovakian species of the genus *Euphrasia* L.]. Biol. Prace 9(9):82 p., map. Ref. 1963. 442.9 SL52  
German summary.  
Includes n. spp.
- 98967 SOJAKA, J., and CHRTEK, J. *Koeleria tristis* Domin., a noteworthy native plant of the Slovakian flora. (Cz) Biologia [Bratislava] 18(12):916-923, map. 1963. 442.8 B5265  
German summary.
- 98968 SOMORA, J. A contribution to tree distribution on the territory of the Tatra National Park and its protective zone. (Cz) Sborn. Prac o Tatranskom Narodnom Parku 5:114-119. 1962. 98.7 T17  
English summary.
- 98969 SPARATORE, F., and TISCORNIA, E. Gas chromatographic determination of the fatty acids present in the oils of some species of *Lupinus*; preliminary considerations on their taxonomic significance. (It) Ann. di Chim. 54(6):584-590. June 1964. 385 An7  
English summary.  
In the seeds.
- 98970 STAROSTIN, B. A. Natural and phylogenetic system of angiosperms. (Rus) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 3:134-142. Ref. May/June 1964. 511 M85
- 98971 TAPADAR, N. N. R. Cytotaxonomic studies in Apocynaceae and delineation of the different evolutionary tendencies operating within the family. Caryologia 17(1):103-138. Ref. Jan./Apr. 1964. 442.8 C25
- 98972 TATEOKA, T. Endemic genera of Aveneae in the New World. (Ja) J. Jap. Bot. 38(12):1-6. Ref. Dec. 1963. 450 J8223  
English summary.  
Latin America.
- 98973 TAYLOR, T. M. C., and VRUGTMAN, F. *Daphne x mantensiana* cv. "Manten"—validation of the name of a hybrid. Bailey 12(2):39-42. June 1964. 80 B15
- 98974 TEUSCHER, H. *Acineta superba* and *A. chrysantha*. Amer. Orchid Soc. B. 33(9):773-776. Sept. 1964. 80 Am329
- 98975 TEUSCHER, H. *Trichocentrum panduratum*. Amer. Orchid Soc. B. 33(8):644-646. Aug. 1964. 80 Am329
- 98976 THIERET, J. W. *Fatoua villosa* (Moraceae) in Louisiana: new to North America. SIDA 1(4):248. June 1964. 450 Sil
- 98977 THIERET, J. W. *Lysimachia japonica* (Primulaceae) and *Clinopodium gracile* (Labiatae) in Louisiana: new to the United States. SIDA 1(4):249-250. June 1964. 450 Sil
- 98978 TIKHOMIROV, V. N., and PIMENOV, M. G. Identity of *Angelica refracta* Fr. Schmidt and *A. genuflexa* Nutt. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauki 2:121-123. 1963. 442.8 N22
- 98979 TRZCINSKA-TACIK, H. Studies on the distribution of synanthropic plants. 2. *Rumex confertus* Willd. in Poland. (Pol) Polska Akad. Nauk. Inst. Bot. Mater. Florystyczne i Geobot. 9(1):73-84, map. Ref. 1963. 451 P76  
English summary.
- 98980 VAIGLA, A. The bittersweet (*Solanum dulcamara*) at Rapina. (Es) Eesti Loodus 6:364. Nov./Dec. 1963. 409.6 Ee7
- 98981 VASEK, F. C. Two new species related to *Clarkia unguiculata*. Madrono 17(7):219-221. July 1964. 450 M26
- 98982 VESTER, E. D. G. The common name of *Pinus radiata*. Forest & Timber 1(4):11-12. May 1964. 99.8 F7634
- 98983 WENDELBO, P. *Erodium dimorphum* sp. nov., an alpine species from northern Iran. Bot. Not. 117(1):28-32. 1964. 450 B656
- 98984 WHERRY, E. T. New combinations in Texas Polemoniaceae. SIDA 1(4):250-251. June 1964. 450 Sil  
*Gilia rigidula*, and *Phlox drummondii*.
- 98985 WOJEWODA, K., and CYUNEL, E. Distribution of *Arnica montana* L. in Poland. (Pol) Polska Akad. Nauk. Inst. Bot. Mater. Florystyczne i Geobot. 9(1):59-68, map. Ref. 1963. 451 P76  
English summary.
- 98986 YAMAZAKI, T. On *Ajuga makinoi* and *A. yezieniss*. J. Jap. Bot. 39(2):27-28, map. Feb. 1964. 450 J8223
- 98987 YEO, P. F. *Lonicera pileata* and *L. nitida* in cultivation. Bailey 12(2):56-66. June 1964. 80 B15
- 98988 YURTSEV, B. A. Main directions in the evolution of *Oxytropis* species belonging to the section *Baicalia* Bge. (Rus) Bot. Zhur. [Moscow] 49(5):634-648, map. Ref. May 1964. 451 R923  
English summary.

#### Pteridophytes

- 98989 BIR, S. S., and VERMA, S. C. Ferns of Mount Abu. Panjab U. Res. B. (n.s.) 14(3/4):187-202. Ref. Dec. 1963. 513 Ea72
- 98990 CHANDRA, P. The genus *Pityrogramma* link in India. J. Biol. Sci. 6(1):1-4. Ref. June 1963. 442.8 J827
- 98991 IWATSUKI, K. Thelypteroid ferns of Thailand and Laos collected by Dr. T. Tsuyama in 1957-58. J. Jap. Bot. 38(10):25-27. Oct. 1963. 450 J8223
- 98992 JOE, B. Ferns cultivated in California: *Tectaria*. Bailey 12(2):47-51. June 1964. 80 B15
- 98993 KARPOWICZ, W. Serpentine soil ferns in Poland. (Pol) Polska Akad. Nauk. Inst. Bot. Mater. Florystyczne i Geobot. 9(1):35-58. Ref. 1963. 451 P76  
English summary.  
Asplenium spp.
- 98994 LOOSER, G. Pteridophytes or ferns of Chile (except Easter Island). II. Family VIII—Gleicheniaceae. (Sp) Santiago Chile. Univ. Catolica. Rev. Univ. 47(52):17-31. Ref. 1962, pub. 1963. 516 Sa56  
Chiefly *Dicranopteris* spp.



- 98995 MORTON, C. V. The nomenclature of a Madagascarian *Platyterium*. *Baileya* 12(2):36-38. June 1964. 80 B15
- 98996 PICHI-SERMOLLI, R. E. G. List of the Pteridophyta collected in the Somali Plateau by J. Eriksson in 1958. II. *Bot. Not.* 117(1):10-14. 1964. 450 B656
- 98997 SOTA, E. R. DE LA. *Microgramma megalophylla* (Polypodiaceae s. str.), and interesting species from Amazonas. (Sp) *Soc. Argentina de Bot. B.* 10(2/3):158-165. Oct. 1963. 451 Sol24  
English summary.  
Name for *Polypodium megalophyllum*.
- 98998 SOTA, E. R. DE LA. The systematic position of *Polypodium truncorum* Lindman (Polypodiaceae). (Sp) *Soc. Argentina de Bot. B.* 10(2/3):117-119. Oct. 1963. 451 Sol24  
English summary.
- Bryophytes
- 98999 BALATOVA-TULACKOVA, E. New locality for *Trichophorum alpinum* (L.) in southwest Slovakia. (Cz) *Biologia [Bratislava]* 18(12):940. 1963. 442.8 B5265
- 99000 BARKMAN, J. J. A contribution to the taxonomy of the *Tortula laevipila*-*T. pagorum*-complex. *Rev. Bryologique et Lichenologique* 32(1/4):183-192, map. Ref. 1963. 450 R325
- 99001 BERGHEN, C. V. Epiphyllous *Lejeuneaceae* of Africa. I. (Fr) *Rev. Bryologique et Lichenologique* 32(1/4):49-55. 1963. 450 R325
- 99002 BERGHEN, C. V. The genus *Nesolejeunea* Herz. (Fr) *Rev. Bryologique et Lichenologique* 32(1/4):292. 1963. 450 R325
- 99003 BERGHEN, C. V. Some Bryophyta of the northern Grands Causses region of France (Aveyron and Lozere). (Fr) *Rev. Bryologique et Lichenologique* 32(1/4):56-64. 1963. 450 R325  
Hepaticae and Musci.
- 99004 BIZOT, M. *Hyophila involuta* (Hook) Jaegr. in France. (Fr) *Rev. Bryologique et Lichenologique* 32(1/4):290. 1963. 450 R325
- 99005 BIZOT, M. *Nanobryum gladiolum* (Mitt) Biz. comb. nov. *Rev. Bryologique et Lichenologique* 32(1/4):82-83. 1963. 450 R325  
Text in French.
- 99006 BIZOT, M., and PIERROT, R. B. Observations on some species of the genus *Fissidens*. I. (Fr) *Rev. Bryologique et Lichenologique* 32(1/4):84-90. Ref. 1963. 450 R325
- 99007 BROWN, C. E., and WATSON, E. V. A note on a small collection of bryophytes from Sao Miguel, Azores. *Rev. Bryologique et Lichenologique* 32(1/4):181-182. 1963. 450 R325
- 99008 CASTLE, H. A revision of the genus *Radula*. II. Subgenus *Acroradula*. Section 6. *Saccatae*. *Rev. Bryologique et Lichenologique* 32(1/4):1-48. Ref. 1963. 450 R325  
Includes n. sp.
- 99009 FROHLICH, J. Two new mosses from northern Greece. (Ge) *Nathist. Mus. Wien. Ann.* 66:35-36. 1962, pub. 1963. 410.9 V672  
New spp. in *Anoetangium* and *Rechingerella* n. g.
- 99010 GROLLE, R. *Notulae hepaticologicae*. VII-IX. *Rev. Bryologique et Lichenologique* 32(1/4):157-165. Ref. 1963. 450 R325  
Text in German.
- 99011 HAMLIN, B. G. Nature in New Zealand: Native ferns. Wellington, Reed, 1963. 64 p. (Nature in New Zealand) 461.2 H18
- 99012 HODGSON, E. A. Revised generic keys to the hepatic flora of New Zealand. *Tuatara* 11(3):195-207. (Cont.) Sept. 1963. 442.8 T79
- 99013 HURLIMANN, H. Finds of mosses in the Fiji and Tonga Islands and in Tahiti. (Ge) *Bauhinia* 2(2):167-176. Ref. Oct. 1963. 450 B32
- 99014 JOVET-AST, S. Study on the genus *Funicularia* Trev. (Fr) *Rev. Bryologique et Lichenologique* 32(1/4):193-211. Ref. 1963. 450 R325  
English summary.  
Includes n. sp.
- 99015 KARCZMARZ, K. Mosses collected in the lake-land situated between Leczna and Wlodawa (eastern Poland). (Pol) *Polska Akad. Nauk. Inst. Bot. Mater. Florystyczne i Geobot.* 9(1):117-150. Ref. 1963. 451 P76  
English summary.
- 99016 KUC, M. Bryological materials from the Roztocze range (eastern Poland). (Pol) *Polska Akad. Nauk. Inst. Bot. Mater. Florystyczne i Geobot.* 9(1):97-116, map. Ref. 1963. 451 P76  
English summary.  
Mosses; includes ecology.
- 99017 OCHI, H. Notes on Asiatic moss flora. II. Mosses of the families *Bryaceae* and *Bartramiaceae* collected by the members of the Univ. Tokyo Bot. Exped. to Eastern India 1960. *J. Jap. Bot.* 39(2):17-24. Feb. 1964. 450 J8223  
Includes n. sp. in *Bryum*.
- 99018 PECIAR, V. New and noteworthy taxa of Slovakian Bryophyta. (Cz) *Biologia [Bratislava]* 18(11):848-856. 1963. 442.8 B5265  
German summary.
- 99019 ROBINSON, H. Notes on three collections of *Bryum* from Africa. *Rev. Bryologique et Lichenologique* 32(1/4):212-214. 1963. 450 R325
- 99020 SCHICK, M. S., and EATON, S. W. Liverworts, mosses and vascular plants of Waterman Swamp and Allenberg Bog. *Sci. Stud.* 21:5-51, map. Ref. Sept. 1963. 470 Sci29
- 99021 SCHUSTER, R. M. An annotated synopsis of the genera and subgenera of *Lejeuneaceae*. *Nova Hedwigia. Beih.* 9:203 p. Ref. 1963. 450 N852  
Includes *Echinocolea* n.g., *Lepidolejeunea* n.g., *Cardiolejeunea* n.g., and *Cladocolea* n.g.
- 99022 SMITH, G. L. Additions to the moss flora of Iowa. *Iowa Acad. Sci. Proc.* 70:64-67. 1963. 500 Io93
- 99023 WATANABE, R. On *Haplocladium percapillatum* (Sak.) Sak. (Ja) *J. Jap. Bot.* 38(12):10. Dec. 1963. 450 J8223  
English summary.
- Algae
- 99024 ARCACHON, SOCIETE SCIENTIFIQUE. Administrative report for 1962. (Fr) *Arcachon. Sta. Biol. B. (n.s.)* 15:1-36. 1963. 410.9 Ar2  
Includes research on algae at the Station Biologique d'Arcachon.
- 99025 BAUMEISTER, W. *Gymnocystodinium unicorn* (Klebs) Baumeister. *Arch. f. Protistenk.* 107(2):179-184. Apr. 30, 1964. 439.8 Ar2  
Text in German.
- 99026 CHANG, T. J., ZHENG, B. F., and TANG, Z. J. *Platymonas* found in Tsingtao and their morphological variations. (Ch) *Acta Bot. Sinica* 12(1):109-120. Ref. Mar. 1964. 450 C432  
English summary.
- 99027 DRUM, R. W. Notes on Iowa diatoms. V. Epilithic diatom biomass in the Des Moines River. *Iowa Acad. Sci. Proc.* 70:74-79. 1963. 500 Io93
- 99028 GRENAGER, B. Kvantitative undersøkelser av tang- og tareforekomster i Nord-Froya Herred 1954 og Jossund Herred 1956 [Quantitative investigations of the occurrence of seaweeds and algae in North-Froya Parish 1954 and Jossund Parish 1956]. *Norsk Inst. f. Tang- og Tareforsk. Rap.* 28, 53 p., map. Ref. 1964. 461.4 N81
- 99029 GROLLE, R. Concerning *Kurzia* v. Martens. (Ge) *Rev. Bryologique et Lichenologique* 32(1/4):166-180. Ref. 1963. 450 R325  
Includes n. sp.
- 99030 HERNDON, W. R. *Boldia*: a new rhodophycean genus. *Amer. J. Bot.* 51(6, pt. 1):575-581. Ref. July 1964. 450 Am36
- 99031 KADLUBOWSKA, J. Z. *Spirogyra elliptica* Jao—a *Spirogyra* species new for Poland and other *Spirogyra* species new for Lodz. (Pol) *Polska Akad. Nauk. Inst. Bot. Mater. Florystyczne i Geobot.* 9(1):163-165. 1963. 451 P76  
English summary.
- 99032 KALBE, L. *Oscillatoria lanceaeformis* nov. spec., an alga from the Baltic Sea plankton. (Ge) *Arch. f. Protistenk.* 106(4):591-592. Aug. 31, 1963. 439.8 Ar2



- 99033 KUHNEMANN, O. Cylindrocapsaceae, a family of Chlorophyceae new to Argentina. (Sp) Soc. Argentina de Bot. B. 10(2/3):196-199. Ref. Oct.1963. 451 So124
- 99034 KUHNEMANN, O. Phycology notes. (Sp) Soc. Argentina de Bot. B. 10(2/3):200-206. Ref. Oct.1963. 451 So124
- 99035 LHOTSKY, O. Desmidiaceae of the peat bog Bor at Klin (Upper Orava). (Cz) Biologia [Bratislava] 18(11):809-820. Ref. 1963. 442.8 B5265  
German summary.
- 99036 MACKINTOSH, N. A. Distribution of the plankton in relation to the Antarctic Convergence. Roy. Soc. Proc. Ser. A, Math. & Phys. Sci. 281 (1384):21-38, map. Ref. Aug.25, 1964. 501 L84A  
Includes discussion.
- 99037 MILOVANOVIC, D., and ZIVKOVIC, A. Sastav i dinamika planktona u ribnjaku Jegricka u 1959-1960. The composition and dynamics of plankton in the fishpond Jegricka in 1959 and 1960. Belgrade. Biol. Inst. Zborn. Rad. 6(2), 30 p. Ref. 1962, pub. 1963. 442.9 Se6Z  
English summary.
- 99038 MONTEIRO, M. I. Segunda contribuicao para o estudo das diatomaceas do Lago Niassa (Mocambique). Second contribution to the study of the Diatomaceae of the Lake Nyasa (Mozambique). Portugal. Junta de Invest. do Ultramar. Estud. Ensaio e Doc. 106, 113 p. Ref. 1963. 330.9 P83  
Text in Portuguese and English.
- 99039 NIZAMUDDIN, M. Phylogenetic position of siphonocladiales. Amer. Micros. Soc. Trans. 83 (3):282-290. July 1964. 440.9 Am33
- 99040 RATTAN, R. S. Notes on some Zygnemaceae from Kapurthala (Punjab). II-III. Panjab U. Res. B. (n.s.) 14(3/4):257-262. Dec. 1963. 513 Ea72
- 99041 RICKER, J. G., MESTER, A. K., and WEIK, K. L. Notes on the algal flora of Knox County, Illinois. Ill. State Acad. Sci. Trans. 57(3):177-179. 1964. 500 IL6  
Annotated checklist of species.
- 99042 SHOBE, W. R., STOERMER, E. F., and DODD, J. D. Notes on Iowa diatoms. IV. The diatoms in a northwest Iowa fen. Iowa Acad. Sci. Proc. 70:71-74. Ref. 1963. 500 Io93
- 99043 TAMAS, G. Diatoms of the Lake Balaton, 1956-1961. (Ge) Tihany. Biol. Kutatointezet-nek. Evkon. 30:167-217, map. Ref. 1963. 442.9 M27
- 99044 VOIGT, M. Some new and interesting Mastogloia from the Mediterranean area and the Far East. Roy. Micros. Soc. J. (ser. 3) 82(2):111-121. Ref. 1963, pub. 1964. 440.9 R81J
- 99045 WOMERSLEY, H. B. S. The morphology and taxonomy of Cystophora and related genera (Phaeophyta). Austral. J. Bot. 12(1):53-110. Ref. June 1964. 450 Au72  
Includes new spp. in Cystophora.
- 99046 WOOD, E. J. F. A study of the diatom flora of fresh sediments of the south Texas bays and adjacent waters. Tex. U. Inst. Mar. Sci. P. 9:237-310. Ref. Dec. 1963. 442.9 T31
- 99047 WOODMANSEE, R. A. Cell-diameter frequency distributions of the planktonic diatom Rhizosolenia alata. Tex. U. Inst. Mar. Sci. P. 9:117-131, map. Ref. Dec. 1963. 442.9 T31  
Distribution.
- 99048 ZAUER, L. M. Some data about diatom algae found on the Kheisa Island (Franz Josef Land). (Rus) Leningrad. U. Vest. Ser. Biol. 4:27-37. Ref. 1963. 442.9 L542V  
English summary.
- Fungi (Including Lichens)**
- 99049 ABBAYES, H. DES. New or interesting lichens of Vietnam. (Fr) Rev. Bryologique et Lichenologique 32(1/4):216-222. Ref. 1963. 450 R325
- 99050 ALEXOPOULOS, C. J. The white form of Physarella oblonga. Mycologia 56(4):550-554. Ref. July/Aug. 1964. 450 M99
- 99051 ANANTHANARAYANAN, S. Micronectria agharkarii sp. nov. from India. Mycopath. et Mycol. Appl. 22(2/3):137-140. Apr. 30, 1964. 450 M994
- 99052 ANANTHANARAYANAN, S. A new species of Phyllosticta and its associated ascigerous stage. Mycopath. et Mycol. Appl. 22(2/3):96-98. Apr. 30, 1964. 450 M994  
A new sp. in Mycosphaerella.
- 99053 ARX, J. A. VON. The ascomycete family Lepidoptelaceae. (Ge) Acta Bot. Neerland. 13(2):182-188. July 1964. 450 Ac822  
English summary.
- 99054 BARRON, G. L. A new genus of the Hyphomycetes from soil. Mycologia 56(4):514-518. July/Aug. 1964. 450 M99  
Gilmaniella n. g.
- 99055 BATISTA, A. C., and BEZERRA, J. L. Alguns Ascomycetes hialofragmos de significacao fitopatologica [Some hyalophragma Ascomycetes of phytoparasitic significance]. Recife. U. Inst. de Micol. P. 385, 21 p. 1963. 451 P42  
English summary.  
Includes n. spp. in Rebutischia, Sphaerulina and Ciliofusospora n. g.
- 99056 BATISTA, A. C., PERES, G. E. P., and CAVALCANTI, W. A. Dichelostroma e Scoliotidium, novos generos de Leptostromaceae [Dichelostroma and Scoliotidium, new genera of Leptostromaceae]. Recife. U. Inst. de Micol. P. 395, 17 p. 1963. 451 P42  
English summary.
- 99057 BATISTA, A. C., and others. Diversas novas entidades da familia Micropeltaceae [Several new members of the Micropeltaceae family]. Recife. U. Inst. de Micol. P. 390, 39 p. 1963. 451 P42  
W. A. Cavalcanti, G. E. P. Peres, R. G. Falcao, and O. J. M. Fonseca, joint authors.  
English summary.  
Includes new spp. in Ciferriotheca, Didymopeltis, Microthyriella, Oswaldoa, Parapeltella, Schizopeltis, and Scolopeltidium.
- 99058 BATISTA, A. C., and others. Haplopelthea n. gen. e novas especies de Eremotheca da Amazonia [Haplopelthea n. gen. and new species of Eremotheca of Amazonia]. Recife. U. Inst. de Micol. P. 388, 34 p. 1963. 451 P42  
G. E. P. Peres, O. J. M. Fonseca, H. da S. Maia, W. A. Cavalcanti, and R. G. Falcao, joint authors.  
English summary.
- 99059 BATISTA, A. C., MAIA, H. DA S., and BEZERRA, J. L. Morqueria n. gen. e alguns outros Asterinaceae [Morqueria n. gen. and some other Asterinaceae]. Recife. U. Inst. de Micol. P. 229, 29 p. 1963. 451 P42  
English summary.  
Includes n. spp. in Parasterinopsis.
- 99060 BATISTA, A. C., CAVALCANTI, W. A., and PERES, G. E. P. Novas especies de Micropeltella [New species of Micropeltella]. Recife. U. Inst. de Micol. P. 389, 21 p. 1963. 451 P42  
English summary.
- 99061 BATISTA, A. C., FONSECA, O. J. M., and PERES, G. E. P. Novos fungos Micropeltidium, do Amazonas [New species of the genus Micropeltidium in Amazonas]. Recife. U. Inst. de Micol. P. 391, 24 p. 1963. 451 P42  
English summary.
- 99062 BATISTA, A. C., PERES, G. E. P., and HERRERA, M. P. Novos Sydowiellina da Amazonia [New Sydowiellina from Amazonia]. Recife. U. Inst. de Micol. P. 393, 26 p. 1963. 451 P42  
English summary.
- 99063 BATISTA, A. C., PERES, G. E. P., and FONSECA, O. J. M. Quatro novos Dictyothyrium do Amazonas [Four new Dictyothyrium from Amazonas]. Recife. U. Inst. de Micol. P. 387, 18 p. 1963. 451 P42  
English summary.
- 99064 BATRA, L. R., and FRANCKEGROSMANN, H. Two new ambrosia fungi—Ascoidea asiatica and A. africana. Mycologia 56(4):632-636. July/Aug. 1964. 450 M99  
New species.
- 99065 BOOTH, C., and TING, W. P. Dolabra nephelae gen. nov., sp. nov., associated with canker of Nephelium lappaceum. Brit. Mycol. Soc. Trans. 47(2):235-237. June 1964. 451 B76
- 99066 BRADY, B. L., and JONES, D. Lipomyces starkeyi Lodder & Kreger-van Rij. Brit. Mycol. Soc. Trans. 47(2):293. June 1964. 451 B76

- 99067 BRESINSKY, A. Exsiccata key for the genus *Gomphidius* in central Europe (Agaricales). (Ge) Munich. Bot. Staatssamml. Mitt. 5:125-133. Dec.31,1963. 451 M92
- 99068 BUJAKIEWICZ, A., and FIKLEWICZ, G. Mycological notes on some peat-bogs of northwest Poland. (Pol) Polska Akad. Nauk. Inst. Bot. Mater. Florystyczne i Geobot. 9(1):155-162, map. Ref. 1963. 451 P76  
English summary.
- 99069 CHAUDHURY, R., and RAO, P. N. Ascomycetes from Hyderabad, India I. Mycopath. et Mycol. Appl. 22(2/3):219-224. Apr.30,1964. 450 M994  
Includes n. spp. in Mycomicrothelia, Mycosphaerella and Phaeosphaeria.
- 99070 CHEREPANOVA, N. P. Fungi infesting ticks. (Rus) Bot. Zhur. [Moscow] 49(5):696-699. May 1964. 451 R923  
Taxonomy and pathogenicity.
- 99071 CHRISTENSEN, M., and BACKUS, M. P. Two varieties of *Monocillium humicola* in Wisconsin forest soils. Mycologia 56(4):498-504. Ref. July/Aug.1964. 450 M99
- 99072 CLARE, B. G. *Ampelomyces quisqualis* (*Cinobolus cesatii*) on Queensland Erysiphaceae. Queensland. U. Dept. Bot. Papers 4(11):145-149. June 10,1964. 442.9 Q33
- 99073 CLARE, B. G. Erysiphaceae of south-eastern Queensland. Queensland. U. Dept. Bot. Papers 4(10):109-144. Ref. June 10,1964 442.9 Q33
- 99074 CONSTANTINESCU, O., and DIHORU, G. Contribution to the knowledge of the mycoflora of the Rumanian People's Republic. (Rum) Bucharest. Acad. Repub. Pop. Romine. Comun. 13(10):885-890. Oct.1963. 512 B8522C  
French summary.  
Species in *Phyllosticta*, *Ramularia*, and *Puccinia*, and their hosts.
- 99075 DENISON, W. C. A preliminary study of the operculate cup fungi [Ascomycetes, Pezizales] of Costa Rica. Rev. de Biol. Trop. 11(1):99-129. July 1963. 442.8 R328
- 99076 DONK, M. A. On some old species of Dacrymycetaceae. Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci. 67(2):85-102. Ref. 1964. 442.9 Am8  
Taxonomy.
- 99077 DRING, D. M., and REID, D. A. *Lycoperdon pedicellatum* Peck. Brit. Mycol. Soc. Trans. 47(2):296-297. June 1964. 451 B76
- 99078 DRING, D. M. *Scleroderma fuscum* (Corda) E. Fisch. Brit. Mycol. Soc. Trans. 47(2):295-296. June 1964. 451 B76
- 99079 ELIADE, E. Contribution to the knowledge of the Erysiphaceae of the Rumanian People's Republic. (Rum) Bucharest. Acad. Repub. Pop. Romine. Comun. 13(11):947-955. Ref. Nov.1963. 512 B8522C  
French summary.  
*Leveillula capparidacearum* on *Cleome spinosa*, *Microsphaera viburni* on *Viburnum opulus* and other Erysiphaceae with their hosts.
- 99080 FOLLMANN, G. Observations on the distribution of the Chilean lichens. I. *Xanthopeltis rupicola* Sant. (Sp) Santiago Chile. Univ. Catolica. Rev. Univ. 47(52):33-37, map. 1962, pub. 1963. 516 Sa56  
German summary.
- 99081 GAMALITSKAYA, N. A. Mikromitsety Yugo-zapadnoi chasti Tsentral'nogo Tyan'-Shanya [Micromycetes of the south-western part of the Central Tien Shan]. Frunze, Izdatel'stvo Akademii Nauk Kirgizskoi SSR, 1964. 175 p. Ref. 462.16 G14
- 99082 HALE, M. E., and KUOKAWA, S. Studies on *Parmelia*, subgenus *Parmelia*. U. S. Natl. Mus. Contrib. U. S. Natl. Herb. 36(4):121-191. Ref. 1964. 450 C76  
Includes n. spp.
- 99083 HALL, I. M., and BELL, J. V. Aceto-carmines—a rapid stain for Entomophthoraceae. J. Insect Path. 5(2):265-266. June 1963. 421 J826
- 99084 HALL, I. M., and BELL, J. V. Identification of an entomophthoraceous fungus isolated by Sawyer. J. Insect Path. 5(2):272-275. June 1963. 421 J826  
Isolate from *Peronea minuta* compared to *Entomophthora virulenta*.
- 99085 HALL, I. M., and BELL, J. V. The synonymy of *Empusa thaxteriana* Petch and *Entomophthora ignobilis* Hall and Dunn. J. Insect Path. 5(2):182-186. June 1963. 421 J826  
From diseased aphids.
- 99086 HASEGAWA, T., and BANNO, I. *Rhodotorula infirmo-miniata* (Okunuki) comb. n. Antonie van Leeuwenhoek J. Microbiol. & Serol. 30(1):65-67. 1964. 448.8 N28A
- 99087 HESSELTINE, C. W., and ELLIS, J. J. The genus *Absidia*: *Gongronella* and cylindrical-spored species of *Absidia*. Mycologia 56(4):568-601. Ref. July/Aug.1964. 450 M99  
Includes n. spp. in *Absidia*.
- 99088 HOWE, V. K., TIFFANY, L. H., and MCNABB, H. S. Notes on fleshy fungi in Iowa. Iowa Acad. Sci. Proc. 70:87-89. Ref. 1963. 500 Io93
- 99089 HUDSON, H. J., and SUTTON, B. C. *Trisulcosporium* and *Tetranacrium*, two new genera of Fungi Imperfecti. Brit. Mycol. Soc. Trans. 47(2):197-203. Ref. June 1964. 451 B76
- 99090 IMAI, M. On a tonophilic fungus isolated from an old agar slant. Bot. Mag. Tokyo 77(908):43-48. Ref. Feb.1964. 450 B651  
*Eurotium halophilicum*.
- 99091 JONES, L. A., and BRADLEY, S. G. Relationships among Streptomycetes, Nocardiae, Mycobacteria and other Actinomycetes. Mycologia 56(4):505-513. Ref. July/Aug.1964. 450 M99
- 99092 JUHL, K. K., and TIFFANY, L. H. Notes on the lichen flora of Boone and Webster Counties, Iowa. Iowa Acad. Sci. Proc. 70:68-70. 1963. 500 Io93
- 99093 KALANI, I. K. *Selenophoma kamatii* sp. nov. from India. Mycopath. et Mycol. Appl. 22(2/3):214-218. Apr.30,1964. 450 M994
- 99094 KHINKOVA, TS. Mycological notes. (Bu) Bulg. Akad. na Nauk. Bot. Inst. Izv. 11:189-196, map. 1963. 451 B87  
English summary.  
New rust fungi for Bulgaria and their hosts.
- 99095 KOBAYASI, Y. A brief revision of *Myxomycidium* with a new species. J. Jap. Bot. 38(12):11-15, map. Dec.1963. 450 J8223
- 99096 KOBAYASI, Y. *Phillipsia subpurpurea* Berk. et Br. (Ja) J. Jap. Bot. 38(12):16. Dec.1963. 450 J8223  
English summary.
- 99097 KUKKONEN, I. Type of germination and taxonomic position of the genus *Anthracoidea*. Brit. Mycol. Soc. Trans. 47(2):273-280. Ref. June 1964. 451 B76  
Includes n. sp.
- 99098 KUSTER, E. Morphological and physiological aspects of the taxonomy of Streptomycetes. Microbiol. Espan. 16(3):193-202. Ref. July/Sept.1963. 448.3 M583
- 99099 LO, T. C. Elsinoe stage of *Sphaceloma sacchari*. Biol. Soc. Wash. Proc. 77,3 p. June 26, 1964. 500 W272  
A new species in Elsinoe.
- 99100 LOOMAN, J. Ecology of lichen and bryophyte communities in Saskatchewan. Ecology 45(3):481-491. Ref. Summer 1964. 410 Ec7
- 99101 LOVELESS, A. R. Use of the honeydew state in the identification of ergot species. Brit. Mycol. Soc. Trans. 47(2):205-213. June 1964. 451 B76  
*Claviceps* spp.
- 99102 MIJUSKOVIC, M. *Cordyceps clavulata* (Schw.) Ell. et Ev., parasite of the European fruit lecanium *Eulecanium corni* in the valley of Lim River. (Se) Zastita Bilja 75:569-572. 1963. 464.9 Z1  
French summary.  
Plum pest controlled naturally by the fungus disease.
- 99103 MILLER, O. K. Monograph of *Chroogomphus* (Gomphidiaceae). Mycologia 56(4):526-549. Ref. July/Aug.1964. 450 M99
- 99104 MULLER, G. Knowledge on the genus *Endomyopsis* Stelling-Dekker. (Ge) Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. II, Natwiss. 118(1):40-43. June 19,1964. 448.3 C33  
English summary.



- 99105 MULLER, G. On the identity of some species of the genera *Monilia*, *Dematium*, *Sporotrichum*, *Trichosporon*, and *Endomycopsis*. (Ge) Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. II, Natwiss. 118(1):44-52. Ref. June 19, 1964. 448.3 C33  
English summary.
- 99106 MULLER, E., and POELT, J. *Sphaerella bacillifera* Karst., a northern Ascomycetes in central Europe. (Ge) Munich. Bot. Staatssamml. Mitt. 5:135-138. Dec. 31, 1963. 451 M92  
First described from Finland; transferred to *Mycosphaerella*.
- 99107 MURVANISHVILI, I. K. New species of the Georgian Mycoflora. (Geo) Akad. Nauk Gruzinskoi SSR. Soobshcheniya 33(3):643-650. Ref. Mar. 1964. 511 Ak146  
Russian Summary.
- 99108 NAITO, H. Revision of *Penicillium toxicarium* Miyake (rice mold). (Ja) Tokyo. Food Res. Inst. Rpt. 18:75-76. Mar. 1964. 389.9 T57  
English summary.
- 99109 NANNENGA-BREMEKAMP, N. E. Notes on Myxomycetes. VIII. A new species of *Didymium* from the Netherlands. Acta Bot. Neerland. 13(2):246-249. July 1964. 450 Ac822
- 99110 NOVAK, E. K., and VITEZ, I. Mycological investigations on clinical materials. II. Description of new yeasts. Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. I, Orig. 193(1):127-133. June 1964. 448.3 C33  
New spp. in *Candida*, *Procandida*, and *Torulopsis*.
- 99111 ORR, G. F., and KUEHN, H. H. A new genus of the Gymnoascaceae with dark ascocarps. Mycologia 56(4):482-487. July/Aug. 1964. 450 M99  
*Tripedotrichum* n. g.
- 99112 ORR, G. F., and KUEHN, H. H. A re-evaluation of *Myxotrichum spinosum* and *M. cancellatum*. Mycologia 56(4):473-481. Ref. July/Aug. 1964. 450 M99  
*Toxotrichum* n. g.
- 99113 PANDOTRA, V. R., and GANGULY, D. Fungi on medicinal and aromatic plants in the North-West Himalayas. II. Mycopath. et Mycol. Appl. 22(2/3):106-116. Apr. 30, 1964. 450 M994  
Includes n. spp. in *Sphaerotheca*, *Alternaria*, *Cercospora* and *Ascochyta*.
- 99114 PEGLER, D. N. New species of *Inonotus* (Polyporaceae). Brit. Mycol. Soc. Trans. 47(2):167-173. June 1964. 451 B76
- 99115 PEGLER, D. N. A survey of the genus *Inonotus* (Polyporaceae). Brit. Mycol. Soc. Trans. 47(2):175-195. Ref. June 1964. 451 B76
- 99116 PETRAK, A. F. Schedae ad cryptogamas exsiccatas, editae a Museo Historiae Naturalis Vindobonensi. Cent. XLIV. Nathist. Mus. Wien. Ann. 66:37-44. 1962, pub. 1963. 410.9 V672  
Text in German.  
Fungi, Lichenes, Musci, and Hepaticae.
- 99117 PUGH, G. J. F., and NICOT, J. Studies on fungi in coastal soils. V. *Dendryphiella salina* (Sutherland) comb. nov. Brit. Mycol. Soc. Trans. 47(2):263-267. June 1964. 451 B76
- 99118 RANKINE, B. C., and FORNACHON, J. C. M. *Schizosaccharomyces malidevorans* sp. n., a yeast decomposing L-malic acid. Antonie van Leeuwenhoek J. Microbiol. & Serol. 30(1):73-75. 1964. 448.8 N28A
- 99119 RAO, P. R., and RAO, D. Some species of *Camposporium* Harkn. from India. Antonie van Leeuwenhoek J. Microbiol. & Serol. 30(1):60-64. 1964. 448.8 N28A  
New spp. collected from *Borassus flabellifer*.
- 99120 RAO, V. G. The genus *Phyllosticta* in Bombay-Maharashtra. IV. Mycopath. et Mycol. Appl. 22(2/3):157-166. Apr. 30, 1964. 450 M994  
Includes n. spp.
- 99121 REID, D. A., and DRING, D. M. *Ileodictyon cibaricus* Tul. Brit. Mycol. Soc. Trans. 47(2):293-295. June 1964. 451 B76
- 99122 RIFAI, M. A. *Stachybotrys bambusicola* sp. nov. Brit. Mycol. Soc. Trans. 47(2):269-272. Ref. June 1964. 451 B76
- 99123 RONDON, Y. Three interesting *Caloplaca* for French flora. (Fr) Rev. Bryologique et Lichenologique 32(1/4):265-269. Ref. 1963. 450 R325  
Includes *Caloplaca conglomerata*, *C. herminica*, and *C. laricina* n. sp.
- 99124 SINGER, R. A new edible fungus from South America. (Sp) Soc. Argentina de Bot. B. 10(2/3):207-208. Oct. 1963. 451 So124  
A n. sp. in *Pleurocollybia*.
- 99125 SINGER, R. *Skepperiella populi* and the phylogeny of the Cyphellaceae. (Sp) Soc. Argentina de Bot. B. 10(2/3):209-214. Oct. 1963. 451 So124  
Includes n. sp.
- 99126 SMITH, H. C., and SUTTON, B. C. *Leptosphaeria maculans* the ascogenous state of *Phoma lingam*. Brit. Mycol. Soc. Trans. 47(2):159-165. Ref. June 1964. 451 B76
- 99127 STARMACHOWA, B. Some rare smuts from Poland. (Pol) Polska Akad. Nauk. Inst. Bot. Mater. Florystyczne i Geobot. 9(1):151-153. Ref. 1963. 451 P76  
English summary.  
*Ustilago anthenarum*, *Cintractia caricis* and *Schroeteria delastrina*.
- 99128 SYARZHANINA, KH. I. Agaricales of the family Boletaceae of White Russian. (Be) Minsk. Belaruskaya Akad. Navuk. Vestsi. Ser. Biyal. Navuk 1:121-132. Ref. 1964. 442.8 M66  
Text in Byelorussian.  
Russian summary.
- 99129 TANAKA, S., and YAMAMOTO, S. Studies on pear scab. II. Taxonomy of the causal fungus of Japanese pear scab. (Ja) Phytopath. Soc. Japan. Ann. 29(3):128-136. Ref. May 1964. 464.9 P562  
English summary.  
*Venturia nashicola* n. sp.
- 99130 TEMPLETON, G. E. A list of the smut fungi of Arkansas. Ark. Acad. Sci. Proc. 16:17-18. 1962. 500 Ar42
- 99131 THIND, K. S., and SEHGAL, H. S. The Myxomycetes of India-XVI. Mycologia 56(4):561-567. Ref. July/Aug. 1964. 450 M99  
New spp. in *Physarum*, *Diderma*, and *Didymium*.
- 99132 VALKANOV, A. *Arnaudovia hyponeustonica* n. g. n. sp., a highly specialized animal trapping aquatic fungus. (Ge) Arch. f. Protistenk. 106(4):553-564. Ref. Aug. 31, 1963. 439.8 Ar2
- 99133 VALKANOV, A. On two hyponeustic polyphagus species. (Ge) Arch. f. Protistenk. 106(4):565-568. Aug. 31, 1963. 439.8 Ar2  
*Polyphagus asymmetricus* n. sp. and *P. fominii*, both parasites of *Botrydiopsis*.
- 99134 VERONA, O., and BENEDEK, T. Iconographia mycologica. X. Mycopath. et Mycol. Appl. 20(sup.), 50 pl. Sept. 30, 1963. 450 M994
- 99135 VINJE, M. M., and VINJE, J. M. Report on a fungus isolated from an ozone meter. Iowa Acad. Sci. Proc. 70:90-97. 1963. 500 Io93  
*Penicillium lilacinum*.
- 99136 WERNER, R. G. Lichenous flora of northern Morocco. (Fr) Rev. Bryologique et Lichenologique 32(1/4):270-278. 1963. 450 R325  
Includes n. spp. in *Caloplaca*.
- 99137 WETMORE, C. M. Catalogue of the lichens of Tasmania. Rev. Bryologique et Lichenologique 32(1/4):223-264. Ref. 1963. 450 R325
- 99138 ZHELEZOVA, B. Material to the lichen flora of Bulgaria. (Bu) Bulgar. Akad. na Nauk. Bot. Inst. Izv. 12:245-265. Ref. 1963. 451 B87  
German summary.

## PATHOLOGY

## General

- 99139 ALEKSANDROV, A. D. Sprinkling as method of protection of citrus crops from frost damage. (Rus) Makharadze. Vses. Nauch.-Issled. Inst. Chaya Subtrop. Kul't. Subtrop. Kul't. 1:49-54. Ref. 1963. 68.19 M28
- 99140 AMERICAN PHYTOPATHOLOGICAL SOCIETY. POTOMAC DIV. Report and abstracts of the 1964 annual meeting. Phytopathology 54(7):746-749. July 1964. 464.8 P56

- 99141 ANDERSSON, S. The plant protection year 1963. (Sw) Centstyr. f. Malmohus Lans Forsoks- och Vaxtskyddsringar. Meddel. 30:140-144. 1963, pub. 1964. 64.9 C332  
Field crop diseases and pests.
- 99142 ANSELME, C., and CHAMPION, R. Sanitary analysis of seeds; results obtained on flax seeds of the 1960, 1961, and 1962 crop years. (Fr) Acad. d'Agr. de France. Compt. Rend. 50 (6):522-526. Apr. 8/15, 1964. 14 P215Bc  
Diseases found.
- 99143 ARMSTRONG, W. D. Winter injury to Kentucky nut trees during winter of 1962-63. North. Nut Growers Assoc. Annu. Rpt. 54:82-86. 1963. 94.69 N81
- 99144 BAKSHI, B. K. Dangerous forest diseases in India. U. S. D. A. Misc. P. 939:55-61. Ref. Sept. 1963. 1 Ag84M
- 99145 BERNARD, J. Damage caused by game in Alsatian orchards. (Fr) Phytoma 15(150):34-35. July/Aug. 1963. 464.8 P563
- 99146 BONGIOVANNI, G. C., and LANZONI, L. "Rhizomania" of beets. (It) Prog. Agr. [Bologna] 10(2):209-220. Feb. 1964. 58.8 P94  
Disease of undetermined origin on sugar and forage beets.
- 99147 BORZINI, G. In the vineyard: considerations on the current antiparasitical season. (It) Colt. e Gior. Vinic. Ital. 110(6):206-207. June 1964. 16 C72  
Diseases and pests.
- 99148 BORZINI, G. Orientation and demonstration programs soon to be carried out in the plant pathology sector. (It) Colt. e Gior. Vinic. Ital. 110(5):172-173. May 1964. 16 C72
- 99149 BOUCHET, R. J. Control of spring-time frost. (Fr) Pepinieristes Hort. Maraichers 45:1839-1842. Mar. 1964. 80 P39  
Primarily fruit.
- 99150 BOUCHET, R. J. Response from the readers regarding frost protection. (Fr) Phytoma 14 (140):19-20. July/Aug. 1962. 464.8 P563
- 99151 BOYCE, J. S. Principles of forest disease control. U. S. D. A. Misc. P. 939:117-118. Sept. 1963. 1 Ag84M
- 99152 BREMER, H. Krankheiten und Beschadigungen der Gemuse und Kuchenkrauter [Diseases and injuries of vegetables and culinary herbs]. Stuttgart, Ulmer, 1962. 278 p. (Kirchner, O. von. Krankheiten und Beschadigungen unserer Kultur- und Nutzpflanzen. Ed. 4, rev. and enl. Band VI) 464 K63  
Includes insect pests and nematodes.
- 99153 BRITISH COLUMBIA. DEPT. OF AGRICULTURE. Vegetable and field crop pest and disease control calendar, 1964. n.p., 1964. 39 p. 464.9 B77C
- 99154 CAMPANA, R. Noninfectious tree disease. 1. Effect of cold injury and freezing. Weed & Turf 3(8):10-11, 22-23. (Cont.) Aug. 1964. 79.8 W413
- 99155 CANIZO, J. DEL. Fertilizers and plant diseases. (Sp) Asoc. Nac. de Ingen. Agron. B. 147:5-8. Jan. 1964. 58.9 As5  
Influence of fertilizers in resistance to diseases and pests, and against nutritional deficiencies.
- 99156 CASALICCHIO, G. A review of pests and disease of figs. (It) Inform. Fitopatol. 13(13):326-338. July 15, 1963. 464.8 In3
- 99157 CLEMENTS, P. The creation of chemical products for agriculture. (Sp) Ion 24(276):399-400. July 1964. 385 Io6  
Plant protection chemicals manufacture in Great Britain.
- 99158 CUMMINGS, M. W. The nation's most avid grape consumer—the starling. Wines & Vines 45(8):22-23. Aug. 1964. 95.8 C122  
Includes control.
- 99159 DENMARK. STATENS PLANTE TILSYN. 14. Arsberetning vedrorende Fropatologisk Kontrol [14th annual report from the Government Plant Protection Service of Denmark on seed pathological testing] 1961/62, by Paul Neergaard. Kobenhavn, 1963. 15 p. 464.9 D41  
English summary.
- 99160 DRAKE, C. R. The relationship of white grubs, facultative fungi, and bacteria on the decline of birdsfoot trefoil. Plant Dis. Rptr. 48(5):406-408. May 15, 1964. 1.9 P69P
- 99161 DUBOV, S. K. Study on the overwintering of citrus plants under straw and earth layer cover. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Ovoshtarstvo. Izv. 5:41-50. 1963. 86 G16  
German summary.
- 99162 DUTHOIT, C. M. G. Slugs and food preferences. Plant Path. 13(2):73-78. June 1964. 464.8 P692
- 99163 ENDO, R. M. Turf-grass disease situation in California in 1963. Golf Course Rptr. 32(5):27-28, 30. May 1964. 60.18 G83
- 99164 ENNIS, W. B., and MCCLELLAN, W. D. Chemicals in crop production. U. S. D. A. Ybk. Agr. 1964:106-112. 1 Ag84Y  
Especially plant disease and weed control.
- 99165 FORREST, W. D., and others. An abnormality resembling corn stunt in Louisiana in 1963. Plant Dis. Rptr. 48(8):645-647, map. Aug. 15, 1964. 1.9 P69P  
S. D. Hensley, J. D. Candia, and T. P. Pirone, joint authors.  
Cause undetermined.
- 99166 FROELICH, R. C., and SNOW, G. A. Tipburn and killing of slash pines [Pinus elliotii elliotii] near electric power substations in south Mississippi. Plant Dis. Rptr. 48(5):367-369. May 15, 1964. 1.9 P69P  
Cause unknown.
- 99167 FUKUI, H. Distribution of damage rates of rice caused by low summer temperature in north-eastern Japan. Tohoku U. Facul. Sci. Sci. Rpt. Ser. 7 (Geog.) 13:19-35, map. Mar. 1964. 513 T574G
- 99168 GALL, H., HAMANN, U., and HENNIGER, H. Measures for the production of healthy seed potatoes. II. (Ge) Deut. Landwirt. 15(6):288-291. June 1964. 18 D4822
- 99169 GAUTHIER, J. L. Protection of harvest against damage caused by birds. (Fr) Pepinieristes Hort. Maraichers 46:1927-1928. Apr. 1964. 80 P39  
Chiefly vineyards.
- 99170 GERMANY (FEDERAL REPUBLIC). BIOLOGISCHE BUNDESANSTALT FUR LAND- UND FORSTWIRTSCHAFT. Forstschuttmittelverzeichnis; Verzeichnis amtlich geprufter und anerkannter Forstschuttmittel [List of economic poisons for forestry; list of officially approved and recognized economic poisons]. Brunswick. Biol. Bundesanst. f. Land- u. Forstwirt. Merkbl. 10, ed. 12, 12 p. Apr. 1964. 464.9 B833M  
Includes equipment.
- 99171 GERMANY (FEDERAL REPUBLIC). BIOLOGISCHE BUNDESANSTALT FUR LAND- UND FORSTWIRTSCHAFT. Jahresbericht [Annual report] 1962. A136 p. 442.9 B832J  
This is Teil A of the annual report 1962 "Forschung im Geschäftsbereich" of the Bundesminister fur Ernährung, Landwirtschaft und Forsten.  
2. Chiefly research on plant protection.
- 99172 GOULD, C. J. Turf-grass disease problems in North America. Golf Course Rptr. 32(5):36, 38, 40-43, 46, 48, 50, 52, 54. May 1964. 60.18 G83
- 99173 GRANHALL, I. European plant protection co-operation. (Sw) Jord-Groda-Djur 20:133-141. (Sw) Jord-Groda-Djur 20:133-141. 1964. 11 J763
- 99174 HADDOCK, D. J. A thermometer shelter designed for citrus orchards and vegetable fields. Rio Grande Val. Hort. Soc. J. 18:61-63. 1964. 81 L95
- 99175 HAMMER, O. H. Protection of grains used by the brewing industry. Master Brewers Assoc. Amer. Tech. Q. 1(3):186-190. July/Sept. 1964. 390.9 M39T  
Disease and pest control and the problem of residues.
- 99176 HANSBROUGH, J. R. Examples of widely distributed forest diseases. U. S. D. A. Misc. P. 939:41-45. Sept. 1963. 1 Ag84M



- 99177 HARDCASTLE, J. Y. Outbreaks and new records. Nigeria. FAO Plant Protect. B. 11(5): 115-116. Oct. 1963. 421 P692  
Plant diseases and insect pests.
- 99178 HARPAZ, I. The use of cultural processes, rather than chemical, in control of animal parasites and diseases of crops in the less developed tropical regions. (Fr) J. d'Agr. Trop. et de Bot. Appl. 10(12):603-611. Ref. Dec. 1963. 26 J822
- 99179 HELLA, A. N., and STOA, T. E. Simulated hail injury to wheat and flax. N. Dak. Agr. Expt. Sta. Res. Rpt. 12,33 p. Ref. July 1964. 100 N813R
- 99180 HINES, C., BENNETT, A. G., and YOUNG, D. F. Pecan insect and disease control in commercial orchards. Miss. State U. Agr. Ext. P. 461,10 p. Mar. 1964. 275.29 M68Ext  
Includes spray schedule chart.
- 99181 HOBGOOD, P. Engineering problems in freeze protection of citrus. Rio Grande Val. Hort. Soc. J. 18:3-7. 1964. 81 L95
- 99182 HORVATH, S. Reducing winter and spring frost damages on grape buds with treatment of shoots. (Hu) Budapest. Szolesz. Kutat. Inezet. Kutatási Eredményei 2:17-20. 1963. 95.9 B85S
- 99183 HOSKINSON, P. E., PATE, J. B., and DUNCAN, E. N. The influence of early season diseases and insects on seedling vigor in cotton. Plant Dis. Rptr. 48(8):599-602. Aug. 15, 1964. 1.9 P69P
- 99184 ILIEV, I., VASILEV, V., and ANGELOV, A. Winter frost damages of fruit plants in Plovdiv in 1954. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Ovoshtarstvo. Izv. 5:77-89. Ref. 1963. 86 G16  
German summary.
- 99185 IMAZEKI, R., and ITO, K. Dangerous forest diseases in Japan. U. S. D. A. Misc. P. 939: 46-54. Ref. Sept. 1963. 1 Ag84M
- 99186 JAMALAINEN, E. A. The share of various plant diseases in decreasing grain yields in Finland. (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:145-153. 1964. 64.9 F49  
English summary.
- 99187 JESZENSZKY, A. Injuries of the apricot tree. (Hu) Kerteszeti es Szoleszeti 13(12):19-20. June 1964. 80 K474  
Various causes.
- 99188 JOLY, E. Some enemies of the strawberry in the Southwest. (Fr) Phytoma 15(150):28-33. July/Aug. 1963. 464.8 P563  
Pests and diseases in France.
- 99189 KAO, F. H. An introduction to several methods of disinfectant treatment of rice seeds. (Ch) Fu-Chien Nung Yeh Fujian Nongye 2/3:27-29. Feb. 1963. 22.5 F958
- 99190 KING, C. L. Shade tree diseases. Kans. State U. Agr. Ext. C. 310,8 p. June 1964. 275.29 K13Ex
- 99191 KLIMOV, B. Electric lantern insect catcher. (Rus) Sadovodstvo 7:36. July 1964. 80 Sa13
- 99192 KLIMSTRA, W. D., and THOMAS, K. Effects of deer browsing on soybean plants, Crab Orchard National Wildlife Refuge. Ill. State Acad. Sci. Trans. 57(3):179-181. 1964. 500 IL  
Crop injuries.
- 99193 KRSTIC, M. M. Dangerous forest diseases in Yugoslavia. U. S. D. A. Misc. P. 939:62-65. Ref. Sept. 1963. 1 Ag84M
- 99194 KSIAZEK, J. Timely evaluation of cultivated plant protection problems. (Pol) Ochrona Roslin 8(3):1-4. Mar. 1964. 464.8 Oc32
- 99195 LARGE, J. R. Control of pecan diseases in Florida. North. Nut Growers Assoc. Annu. Rpt. 54:29-33. Ref. 1963. 94.69 N81
- 99196 LAVAU, J., and THOUMAZE, J. Les traitements des arbres fruitiers [Treatment of fruit trees]. Ed. 5. Agen, Comite Dept. d'Arboriculture Fruitiere et de la Prune d'Ente, 1964. 61 p. 93.02 L38  
Control of diseases and pests.
- 99197 LEACH, J. G. A brief history of plant pathology in West Virginia. W. Va. Acad. Sci. Proc. 35:37-42. Ref. 1963, pub. 1964. 500 W52
- 99198 LEIB, E. Plant protection before the Deutsches Bundestag. (Ge) Gesunde Pflanzen 16(1):7-12, 14. Jan. 1964. 464.8 G33  
English summary.  
Legislation concerning hazards of economic poisons.
- 99199 LEY, F. W. Principal diseases of cacao. (Sp) Cafe Peruano 14:11-13, 2. Dec. 1963. 68.28 C118
- 99200 LIN, K. H. The damage done by and the control of "huang-lung" disease of citrus. (Ch) Fu-Chien Nung Yeh Fujian Nongye 2/3:37-39. Feb. 1963. 22.5 F958
- 99201 LIPA, J. Losses caused in agriculture by diseases, pests and weeds and economic aspects of plant protection treatments. (Pol) Ochrona Roslin 7(7):24-28. July 1963. 464.8 Oc32  
Statistics based on data of the European and Mediterranean Plant Protection Organization; chiefly field crops and fruit.
- 99202 MA, C. F. Control of moles in rice fields. (Ch) Nongye Jishu 8:36-37. Aug. 1963. 22.5 N929
- 99203 MCGRATH, H. Chemicals for plant disease control. 2. Agr. Chem. 19(8):22-27. Aug. 1964. 381 Ag8  
A list of fungicides, nematocides, seed treatment chemicals, and antibiotics.
- 99204 MARLAND, A. Charles Darwin and some problems of phytopathology. (Es) Eesti Loodus 6: 333-336. Ref. Nov./Dec. 1963. 409.6 Ee7
- 99205 MATVIEVSKII, A. S. Control of fruit pests and diseases during the summer. (Rus) Sadovodstvo 6:41-42. June 1964. 80 Sa13  
Chemical plant protection.
- 99206 MIERZEJEWSKA, W. Economic effectiveness of plant protection treatments. (Pol) Ochrona Roslin 8(3):5-10. Mar. 1964. 464.8 Oc32  
Costs of treatments as compared with returns from field crops culture.
- 99207 MIERZEJEWSKA, W. The meaning of plant protection in the process of intensification of agriculture. (Pol) Ochrona Roslin 8(1):4-8. Jan. 1964. 464.8 Oc32  
Costs of plant protection and losses in field crops, fruit and vegetables due to pests and diseases.
- 99208 MILAIRE, H. Vegetative irregularities on fruit trees caused by cold. (Fr) Pomol. Franc. (n.s.) 6(7):209-210, 213-215. July/Aug. 1964. 80 P77
- 99209 MILLER, L. A. Pesticides: their contribution and some problems associated with them. Can. Agr. Chem. Ass. Annu. Meeting Conf., 11th Annu. Meeting Conf.:46-53. 1963. 381 C163  
Importance in plant protection and regulation.
- 99210 MULDER, D. Recent developments in the study of tea diseases and pests in Ceylon. FAO Plant Protect. B. 11(6):121-128. Ref. Dec. 1963. 421 P692
- 99211 NEW SOUTH WALES. DEPT. OF AGRICULTURE. BIOLOGY BR. Disease in the flower garden. N. S. Wales. Dept. Agr. Biol. Br. Plant Dis. L. 141, ed. 3, 19 p. Jan. 4, 1964. 464.9 N47  
Includes control measures.
- 99212 NEW SOUTH WALES. DEPT. OF AGRICULTURE. BIOLOGY BR. Diseases of Dahlias. N. S. Wales. Dept. Agr. Biol. Br. Plant Dis. L. 61, ed. 4, 12 p. 1963. 464.9 N47  
Includes control.
- 99213 NEW SOUTH WALES. DEPT. OF AGRICULTURE. BIOLOGY BR. Diseases of Irises. N. S. Wales. Dept. Agr. Biol. Br. Plant Dis. L. 66, ed. 2, 7 p. 1963. 464.9 N47
- 99214 NEW SOUTH WALES. DEPT. OF AGRICULTURE. BIOLOGY BR. Frost injury of wheat. Agr. Gaz. N. S. Wales 75(6):1076-1081. June 1964. 23 N472
- 99215 NEW SOUTH WALES. DEPT. OF AGRICULTURE. BIOLOGY BR. Root and corm diseases of bananas. N. S. Wales. Dept. Agr. Biol. Br. Plant Dis. L. 117, ed. 1, 7 p. 1964. 464.9 N47  
Includes control measures.
- 99216 NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF SCIENCE SERV. BIOLOGY BR. Some diseases of Geraniums. N. S. Wales. Dept. Agr. Biol. Br. Plant Dis. L. 151, ed. 2, 9 p. 1963. 464.9 N47  
Includes control.

- 99217 NIEH, H. M. Diseases of musk- and watermelons. (Ch) Nongye Jishu 8:26-27. Aug.1963. 22.5 N929
- 99218 NILSSON, F., and JOHNSON, T. Frost injuries, winter 1962/63. (Sw) Fruktodlaren 35(2): 20-27. Mar.1964. 86 Sv2F  
Fruit.
- 99219 OPEL, H., and WOLFFGANG, H. The gastric juice of the snail *Helix pomatia* L.—a simple source of carbohydrate splitting enzymes for maceration of plant tissues and for separation of oligosaccharides and glycosides. (Ge) Deut. Akad. der Wiss. zu Berlin. Monber. 5(8/9):533-534. 1963. 509 D48M  
*Nicotiana tabacum* and *Cucumis sativus* as test plants.
- 99220 PALOMINO-ORTIZ, G. Diseases of cotton (*Gossypium hirsutum* L.) in the Cauca Valley. (Sp) Acta Agron. [Palmira] 13(2):59-108. Ref. Apr./June 1963. 9.4 Ac8
- 99221 PANJAN, M., and LUSIN, V. Diseases of tomatoes in greenhouse culture. (Se) Zastita Bilja 75:509-516. 1963. 464.8 Z1  
German summary.
- 99222 PEACE, T. R. The threat of introduced diseases. U. S. D. A. Misc. P. 939:33-40. Ref. Sept.1963. 1 Ag84M
- 99223 PEHRSON, J. E. Growers war with gophers. Calif. Citrog. 49(11):434. Sept.1964. 80 C125
- 99224 PEPPER, E. H. The future of barley diseases—the era ahead. Barley Impr. Conf. Proc., 14th Conf.:40-44. 1963. 59.9 M583
- 99225 PHILLIPS, A. M., LARGE, J. R., and COLE, J. R. Insects and diseases of the pecan [*Carya illinoensis*] in Florida. Fla. Agr. Expt. Sta. B. 619A, 87 p. June 1964. 100 F66S  
U. S. Dept. of Agriculture, cooperating.
- 99226 PICCO, D. Parasites and weed control in industrial crops. (It) Agricoltura 13(5):90-92. May 1964. 16 Ag8226  
Bacterial and fungus diseases on vegetables included.
- 99227 PIEKARCZYK, K. Sanitary state of cultivated plants in 1963. (Pol) Ochrona Roslin 8(1):1-4. Jan.1964. 464.8 Oc32
- 99228 PRADO, F. A. DEL. Studiereis plantenbescherming, 5 juli—16 oktober 1962 [Plant protection study trip, July 5—October 16, 1962]. Surinam. Dept. van Landb. Veeteelt en Visserij. Verslagen en Rap. 61, 13 p. May 1963. 9.6 D952  
Belgium and the Netherlands.
- 99229 PRALORAN, J. C. The effects of frost of the winter 1962-63 on citrus fruits in Corsica. (Fr) Fruits 19(4):213-217, map. Apr.1964. 80 F9492  
English summary, p.234.
- 99230 PRIMAVESI, A., and PRIMAVESI, A. M. The relation between plant nutrition and plant diseases. (Ge) Z. f. Pflanzenernähr. Dungung. Bodenk. 105(1):22-27. Ref. Apr.1964. 384 Z343A  
English summary, p.X.
- 99231 RAABE, R. D. Diseases and pests of *Ranunculus*. Calif. Hort. Soc. J. 25(2):53-56. Apr.1964. 81 C1293
- 99232 RANNEY, C. D. A deleterious interaction between a fungicide and systemic insecticides. Miss. Agr. Expt. Sta. Inform. Sheet 842, 2 p. Mar.1964. 100 M69In  
In Thysanoptera and disease control on cotton.
- 99233 RAO, P. R. N., and VELAYUTHAM, B. Food preference of the field rat. Rice News Teller 12(1):32. Jan./Mar.1964. 59.8 R366  
Pests of field crops.
- 99234 REDLINGER, J. R. Flask contaminants, their prevention and removal. Amer. Orchid Soc. B. 33(9):759-761. Sept.1964. 80 Am329
- 99235 RHODES, P. L. A new banana disease in Fiji. Commonwealth Phytopath. News 10(3):38-41. July 1964. 464.8 C73  
Cause unknown.
- 99236 RICH, S. The role of stomata in plant disease. Conn. Agr. Expt. Sta. B. 664:102-116. Ref. Dec.1963. 100 C76St  
Includes discussion.
- 99237 RIKER, A. J. Lessening the threat of internationally dangerous tree diseases. U. S. D. A. Misc. P. 939:119-122. Sept.1963. 1 Ag84M  
Includes cooperative international research.
- 99238 SARASOLA, A. A., and SANCHEZ DE BUSTAMANTE, C. A. Censo fitosanitario del lino en Entre Rios (Argentina) durante 1958-1959 [Plant disease census of flax in Entre Rios (Argentina) during 1958 and 1959]. Argentina. Sec. de Estado de Agr. y Ganad. P. Tec. 138, 18 p., map. Ref. 1963. 464.9 Ar325  
English summary.
- 99239 SCHERING AG. Pflanzenschutz und Schadlingsbekämpfungsmittel 1962 [Chemicals for plant protection and insect control 1962]. Berlin, 1962. 57 p. 464.9 Sch2
- 99240 SIBILIA, C. Aims and organization of the Stazione di Patologia Vegetale [in Rome]. (It) Rome. Sta. di Patol. Veg. B. 21(1):71-84. 1963. 464.9 R662
- 99241 SIRIEZ, H. Sparrows of France, China, and Prussia. (Fr) Phytoma 15(151):31-38. Sept./Oct.1963. 464.8 P563  
Pests of fruit.
- 99242 SOCIETA ITALIANA DI FITOIATRIA. The diseases of garden plants; a conference organized with the collaboration of the Istituto di Tecnica e Propaganda Agraria, Venice, April 24-25-27. (It) Agricoltura 13(5):72-98. May 1964. 16 Ag8226
- 99243 SOCIETY OF AMERICAN FORESTERS, NEW YORK SECT. COMMITTEE ON INSECTS AND DISEASES. A summary of current forest pest problems for New York State. (Fourth summary report of detailed report submitted 1956-58). Syracuse, 1963. 15 p. 464.4 So15
- 99244 STARR, R. I., BESSER, J. F., and BRUNTON, R. B. A laboratory method for evaluating chemicals as bird repellents. J. Agr. & Food Chem. 12(4):342-344. July/Aug.1964. 381 J8223
- 99245 SZEKERES, L., and KARDOS, E. A. Data on the study of arsenate containing plant protection materials. (Hu) Magyar Kem. Lapja 18(12):617-619. Dec.1963. 385 M27  
English summary on p. 4 of summaries.
- 99246 TALVIA, P. The occurrence of plant disease in 1963. (Fi) Finland. Maatalouden Tutkimuskeskus, Maatalous ja Koet. 18:194-201. 1964. 64.9 F49  
English summary.
- 99247 TAMMES, P. M. L. Isoboles, a graphic representation of synergism in pesticides. Tijdschr. over Plantenziekten 70(3):73-80. Ref. 1964. 464.8 T44
- 99248 TEMPLETON, G. E. Rice disease research. Rice J. 67(7):17. June 30, 1964. 59.8 R36  
In Arkansas.
- 99249 T'IENT, C. I. Use smoke to get rid of the long clawed sand rat. (Ch) Nongye Jishu 8:38-39. Aug.1963. 22.5 N929
- 99250 U. S. FOREST SERV. Internationally dangerous forest tree diseases. U. S. D. A. Misc. P. 939, 122 p. Ref. Sept.1963. 1 Ag84M  
Supplement to Section 24-14, Proceedings of the 13th Congress, International Union of Forest Research Organizations, Vienna, 1961.
- 99251 UNSERE Forschung im Dienste der Landwirtschaft [Our research in the service of agriculture]. Pflanzenschutz 29(130), 4 p.-folder. Feb.1964. 464.8 M11P  
Plant protection in Switzerland.
- 99252 VEZIN, M. C. Pesticides and water pollution. (Fr) Phytoma 16(156):13-14. Mar.1964. 464.8 P563
- 99253 VOGEL, R. Observations on the reaction to frost of avocado trees cultivated at the Station Experimentale d'Agrumiculture of Corsica. (Fr) Fruits 19(3):140-142. Mar.1964. 80 F9492  
English summary, p.180.
- 99254 WANG, E. H., and K'ANG, C. Y. Experience in the prevention of frost damage to winter wheat in Changchiakou. (Ch) Nongye Jishu 11: 13-15. Nov.1962. 22.5 N929



- 99255 WARD, P. The war against the *Quelea* bird. New Sci. 22(396):736-738. June 18, 1964. 472 N42  
Cereal crop pest in Africa.
- 99256 WEBLEY, D. Slug activity in relation to weather. Ann. Appl. Biol. 53(3):407-414. June 1964. 442.8 An72  
Effect on number of slugs attracted by metaldehyde.
- 99257 WHITESIDE, J. O. Diseases of stone fruits in Southern Rhodesia. Rhodesia Agr. J. 61(3):54-60. May/June 1964. 23 R34
- 99259 WILKINSON, A. T. S. Control of slugs. Canada. Dept. Agr. P. 1213,4 p. 1964. 7 C16Pu  
Plant pest.
- 99259 YOSHIMURA, F., and others. Studies on the cold injury of citrus trees. III. On the development of cold injury to leaves as affected by some freezing or melting treatments. (Ja) Jap. Soc. Hort. Sci. J. 32(3):1-8. Ref. Sept. 1963. 87 H78  
Y. Ono, T. Kawakita, and K. Matsuno, joint authors.  
English summary.
- 99260 YOUNG, R., and PEYNADO, A. Frost formation on "Red Blush" grapefruit trees during a mild radiation freeze as affected by heaters and windmachines. Rio Grande Val. Hort. Soc. J. 18:8-14. 1964. 81 L95
- 99261 YOUNG, R., and others. Temperatures in and around grapefruit trees as affected by under-the-tree heat sources. Rio Grande Val. Hort. Soc. J. 18:15-20. 1964. 81 L95  
N. Maxwell, M. Bailey, and W. R. Cowley, joint authors.
- 99262 ZHURAVLEV, I. I. Fitopatologiya [Phytopathology]. Moskva, Izdatel'stvo Selskokhozyaistvennoi Literatury, Zhurnalov i Plakatov, 1963. 280 p. Ref. 464.07 Z6F
- Diseases Caused by Fungi**
- 99263 ABDULLAEV, A. Resistance to wilt of some varieties of cotton. (Rus) Agrobiologiya 3:374-378. May/June 1964. 20 Ag822  
*Verticillium dahliae*.
- 99264 ADAMS, P. B., and HOWARD, F. L. Progress report on methyl arsine oxide. Golf Course Rptr. 32(5):32,34. May 1964. 60.18 G83  
Control of *Pythium* and *Rhizoctonia* on turf.
- 99265 ALEKSIC, D., and ALEKSIC, Z. The toxic effect of Zuvapin against *Rhizoctonia solane* Kuhn. (Se) Agrohemija 7/8:503-506. 1963. 385 Ag87  
Dithiocarbamate basis.
- 99266 ALWIN, S. Onion downy mildew (*Peronospora destructor* Ung.) and its control in seed onion plantings. II. (Pol) Ochrona Roslin 6(5):1-8. Sept./Oct. 1962. 464.8 Oc32
- 99267 ALWIN, S., and KUBACKI, S. Studies on the influence of adhesiveness of fungicidal sprays on their practical effectiveness in disease control. (Pol) Poznan. Inst. Ochrony Roslin. B. 24:29-54. Ref. 1963. 464.9 P87  
English summary.  
Tests with greenhouse plants.
- 99268 ASANTE, G. S., and NEAL, A. L. Characterization of fungistatic substances produced by a *Bacillus* antagonistic to *Ceratocystis ulmi*. Phytopathology 54(7):819-822. Ref. July 1964. 464.8 P56
- 99269 ATKIN, R. K., SPENCER, D. M., and WAIN, R. L. Investigations of fungicides. X. The antifungal activity of 2-deoxy-D-glucose. Ann. Appl. Biol. 53(3):437-443. Ref. June 1964. 442.8 An72
- 99270 BAKER, J. V. The occurrence of primary mildew on one-year-old shoots of Cox's Orange Pippin. Plant Path. 13(2):81-85. June 1964. 464.8 P692  
Caused by *Podosphaera leucotricha*.
- 99271 BALLIO, A., and others. Fusicoccin: a new wilting toxin produced by *Fusicoccum amygdali* Del. Nature [London] 203(4942):297. July 18, 1964. 472 N21  
E. B. Chain, P. de Leo, B. F. Erlanger, M. Mauri, and A. Tonolo, joint authors.  
Causal agent of a disease of *Prunus amygdalus*.
- 99272 BARNES, G. L. Dyrene, a promising fungicide for pecan scab control [*Fusicladium effusum*]. Plant Dis. Rptr. 48(7):572-573. Ref. July 15, 1964. 1.9 P69P
- 99273 BATES, H. Methoxychlor for D.E.D. control. Conf. Dutch Elm Dis. Proc., 18th Annu. Conf.: 15-16. 1963. 464.07 C765
- 99274 BATKO, S., and PAWSEY, R. G. Stem canker of pine caused by *Crumenula sororia*. Brit. Mycol. Soc. Trans. 47(2):257-261. June 1964. 451 B76
- 99275 BEGGS, J. P. Spectacular clover establishment with formalin treatment suggests growth inhibitor in soil. New Zeal. J. Agr. 108(6):529, 531, 533, 535. June 15, 1964. 23 N48J  
Control of soil fungi.
- 99276 BENO, D. W., and ALLEN, O. N. Immuno-fluorescent staining for the identification of *Puccinia sorghi* germinated urediospores. Phytopathology 54(7):872-873. July 1964. 464.8 P56
- 99277 BIER, J. E. Septoria canker of poplars. U. S. D. A. Misc. P. 939:112-113. Sept. 1963. 1 Ag84M  
Caused by *Septoria musiva*.
- 99278 BJORKMAN, E. Comments on snow blight. U. S. D. A. Misc. P. 939:71-72. Sept. 1963. 1 Ag84M  
*Phacidium infestans* on *Pinus sylvestris*, *Abies* and *Picea*.
- 99279 BJORKMAN, E. Top canker of spruce and pine. U. S. D. A. Misc. P. 939:80-81. Sept. 1963. 1 Ag84M  
Caused by *Scleroderma lagerbergii*.
- 99280 BOBES, I. A contribution for the improvement of the method of artificial infection with *Ustilago tritici* (Pers) and *Ustilago nuda* (Jens). (Rum) Cluj. Inst. Agron. "Dr. Petru Groza." Lucrari Sti. 19:201-206. Ref. 1964. 21 C622  
English summary.  
Wheat and barley.
- 99281 BOEREMA, G. H., and KESTEREN, H. A. VAN. The identity of the cucurbit powdery mildew. (Du) Tijdschr. over Planteziekten 70(1):33-34. 1964. 464.8 T44  
English summary.  
Caused by *Sphaerotheca fuliginea*.
- 99282 BORECKI, Z. Biological basis for modern methods of apple scab (*Venturia inaequalis*) Cooke (Aderh.) control based on forecasting. (Pol) Poznan. Inst. Ochrony Roslin. B. 24:135-143. Ref. 1963. 464.9 P87  
English summary.
- 99283 BOYCE, J. S. Cedar leaf blight. U. S. D. A. Misc. P. 939:100-101. Sept. 1963. 1 Ag84M  
*Keithia thujina* on *Thuja plicata* and *T. occidentalis*.
- 99284 BRAVERMAN, S. W. Reactions of introduced species of *Bromus* to *Pyrenophora bromi*. Plant Dis. Rptr. 48(5):402-405. May 15, 1964. 1.9 P69P
- 99285 BRETZ, T. W. Needle blight of eastern redcedar [*Juniperus virginiana*] in Missouri. Plant Dis. Rptr. 48(5):418. May 15, 1964. 1.9 P69P  
*Cercospora sequoiae juniperi*, causal organism.
- 99286 BROWN, A. G. P. Field trials of three *Fusarium* wilt resistant cotton selections in Tanganyika. Empire Cotton Growing Rev. 41(3):194-197. July 1964. 72.8 Em7  
*Fusarium oxysporum*, causal organism.
- 99287 BROWN, A. L., and LIMBER, D. P. Depth of penetration of *Uromyces muscari* in hyacinth bulbs. Plant Dis. Rptr. 48(7):557. July 15, 1964. 1.9 P69P
- 99288 BROWN, M. F., and ROOT, R. A. An improved method for the extraction of spores from elm twigs. Plant Dis. Rptr. 48(8):654-655. Aug. 15, 1964. 1.9 P69P  
Study of *Ceratocystis ulmi*.
- 99289 BRUN, T. DE. Copper and tin preparations for the control of potatoes diseases. (Du) Pootaar-dappelhandel 17(11):22-23. June 1964. 286.83 P79  
Fungus diseases.
- 99290 BRUN, J. The cercosporiosis of the banana plant in Guinea; study of the ascospore stage of *Mycophaerella musicola* Leach. (Fr) Fruits 19(3):125-131. Mar. 1964. 80 F9492  
English summary, p. 179.

- 99291 BRUNING, D. Effect of mineral fertilizer on a "blight" infected pine stand. (Ge) Allg. Forstz. 19(28):422. July 11, 1964. 99.8 AL52  
Caused by *Lophodermium pinastri*.
- 99292 BUDERACKA-NIECHWIEJCZYK, M. Anthracnose of red clover. (Pol) Ochrona Roslin 8(1): 14-17. Jan. 1964. 464.8 Oc32  
Caused by *Kabatella caulivora*.
- 99293 CAMPBELL, W. A. Clitocybe root rot. U. S. D. A. Misc. P. 939:90. Sept. 1963. 1 Ag84M  
Clitocybe tabescens on trees, shrubs and vines.
- 99294 CAUQUIL, J., and RAHMAN, Y. Verticillium wilt of cotton in Iran; distribution and incidence on the crop. (Fr) Coton et Fibres Trop. 19(2): 271-278, map. Ref. June 1964. 73.8 C82  
English summary.  
Verticillium dahliae, causal organism.
- 99295 CELAYETA, F. D. Notas sobre algunos erisifaceos de interes agricola [Notes on some Erysiphaceae of agricultural interest]. Spain. Inst. Nac. de Invest. Agron. Trab. (Ser. Fitopatol.) 350, 30 p. Ref. 1962/63. 464.9 Sp1
- 99296 CHAMBERS, S. C., and HARDIE, M. Sclerotinia disease of vegetables—survival of the fungus in soil. West. Austral. Dept. Agr. J. (ser.4)5(3):169-170. Mar. 1964. 23 W52J  
Sclerotinia sclerotiorum, causal organism.
- 99297 CHAMBERS, S. C. Septoria leaf spot of tomatoes. West. Austral. Dept. Agr. J. (ser.4)5(5): 299-300. May 1964. 23 W52J  
Caused by *Septoria lycopersici*.
- 99298 CHANCOGNE, M. Laboratory study on the behavior of fungicidal products in rain. (Fr) Phytatrie-Phytopharm. 12(4):179-184. 1963. 464.8 P564
- 99299 CHAUHAN, S. K. Incidence of Fusarium wilt of gram (*Cicer arietinum* L.) in oilcakes amended soils. Agr. U. J. Res. Sci. 12(3):143-147. Ref. Sept. 1963. 513 Ag8  
Fusarium orthoceras, causal organism.
- 99300 CH'EN, T. W., LO, C. C., and LI, C. C. Studies on the damping-off of China-fir (*Cunninghamia lanceolata* H.). (Ch) J. Agr. & Forestry 12:279-323. Ref. Oct. 1963. 22.5 J823  
English summary.
- 99301 CHERKASSKII, E. S., SELOCHNIK, N. N., and SHEINKMAN, A. K. Fungicidal properties of certain 1-substituted pyridines. (Rus) Akad. Nauk SSSR. Dok. 156(5):1197-1200. 1964. 511 P444A
- 99302 CHI, C. C., and CHILDERS, W. R. Penetration and infection in alfalfa and red clover by *Pellicularia filamentosa*. Phytopathology 54(7): 750-754. Ref. July 1964. 464.8 P56
- 99303 CHILDS, T. W. Ponderosa pine needle cast. U. S. D. A. Misc. P. 939:97. Sept. 1963. 1 Ag84M  
Caused by *Elytroderma deformans*.
- 99304 COBB, F. W., and FERGUS, C. L. Pathogenicity, host specificity, and mat production of seven isolates of the oak wilt fungus [*Ceratocystis fagacearum*]. Phytopathology 54(7):865-866. July 1964. 464.8 P56
- 99305 COMPACCI, C. A., REZENDE, L. O. C. DE, and ARRUDA, H. V. DE. Control of diseases of cucumber leaves. (Por) Biologico 29(10):214-216. Oct. 1963. 442.8 B529  
Fungus diseases caused by *Pseudoperonospora cubensis*.
- 99306 CONFERENCE ON DUTCH ELM DISEASE. Proceedings of the eighteenth annual conference, Waltham Field Station, Waltham, Massachusetts, October 9, 1963. Boston, Mass. Forest & Park Assoc., 1963? 26 p. 464.07 C765
- 99307 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 10, TBILISSI, 1962. [Proceedings]. (Fr) Off. Internat. de la Vigne et du Vin. B. 37 (400):601-610. June 1964. 390.8 B87  
Greek report by D. G. Zachos, Moroccan report by A. Gheissous, and Hungarian report by I. Barra on new products used for control of *Plasmopara viticola* on grapes.
- 99308 COSTA, A. P. DA, and TOMAZ, L. Outbreaks and new records, Portugal; occurrence of perithecia of *Uncinula necator*. FAO Plant Protect. B. 11(6):136-137. Dec. 1963. 421 P692  
On grapes.
- 99309 COZZANI, C., SISTO, A. M., and MANTAUT, U. Contribution to an evaluation of the effectiveness of triphenyl tin acetate in control of *Cercospora [beticola]*. (It) Not. sulle Mal. delle Piante 67:23-32. 1963. 464.8 N84  
English summary.  
On sugar beets.
- 99310 COZZANI, C., and SISTO, A. M. Research on minimal effective doses of Melprex 65 in curative treatments to control *Venturia inaequalis*. (It) Not. sulle Mal. delle Piante 67: 15-21. 1963. 464.8 N84  
English summary.  
On apples.
- 99311 COZZANI, C., and SISTO, A. M. Research on the minimal effective doses of Melprex 65 in preventive treatments to control *Venturia inaequalis* Aderh. (It) Not. sulle Mal. delle Piante 67:5-14. 1963. 464.8 N84  
English summary.  
On apples.
- 99312 CRUZ, B. P. B. Principal fungus diseases of tomatoes in Sao Paulo. (Por) Biologico 29(10): 201-208. Oct. 1963. 442.8 B529
- 99313 CULP, T. W., and THOMAS, C. A. Alternaria and *Corynespora* blights of sesame in Mississippi. Plant Dis. Rptr. 48(8):608-609. Aug. 15, 1964. 1.9 P69P  
Caused by *Alternaria sesami* and *Corynespora cassiicola*.
- 99314 CZAPLINSKA, S. Causes of dry rot and drop of the top center in sugar beet sets. (Pol) Ochrona Roslin 6(6):14-20. Ref. Nov./Dec. 1962. 464.8 Oc32  
Caused by pathogenic fungi, chiefly *Phoma betae*.
- 99315 CZAPLINSKA, S. Parasitic fungi on alfalfa seeds. (Pol) Ochrona Roslin 7(12):1-5. Ref. Dec. 1963. 464.8 Oc32
- 99316 CZYZEWSKA, S. Studies on flax diseases carried out at the Instytut Ochrony Roslin. (Pol) Poznan. Inst. Ochrony Roslin. B. 24: 145-174. 1963. 464.9 P87  
English summary.  
Fungus diseases.
- 99317 DARKER, G. D. Gray blight of hard pines. U. S. D. A. Misc. P. 939:98-99. Sept. 1963. 1 Ag84M  
Caused by *Hypoderma lethale*.
- 99318 DEKHUIJZEN, H. M. The systemic action of dimethyldithiocarbamates on cucumber scab caused by *Cladosporium cucumerinum* and the conversion of these compounds by plants. Tijdschr. over Plantenziekten 70(sup.1), 75 p. Ref. 1964. 464.8 T44
- 99319 DEKKER, J., and OORT, A. J. P. Mode of action of 6-azauracil against powdery mildew. Phytopathology 54(7):815-818. July 1964. 464.8 P56  
*Erysiphe cichoracearum* on cucumbers and *E. graminis* on wheat.
- 99320 DENMARK, STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Control of gray mold of tulips. (Da) Tidsskr. f. Planteavl 67(3):502-504. 1963. 11 T439
- 99321 DENNINGER, C. Phytosanitary products now in use against parasites of the Chrysanthemum. (Fr) Pepinieristes Hort. Maraichers 43:1739-1743. Jan. 1964. 80 P39  
Fungus diseases and pests.
- 99322 DERR, H. J. Brown-spot resistance among F1 progeny of a single, resistant longleaf parent. Forest Genet. Workshop. Proc., 1962:16-17. 1963. 99.9 F7629  
*Pinus palustris*.
- 99323 DIX, N. J. Colonization and decay of bean roots. Brit. Mycol. Soc. Trans. 47(2):285-292. Ref. June 1964. 451 B76
- 99324 DOLING, D. A. Glasshouse testing of pea varieties for resistance to *Fusarium* wilt. Plant Path. 13(2):65-68. June 1964. 464.8 P692  
*Fusarium oxysporum pisi*, causal organism.
- 99325 DREES. Discussion contribution to the sensible use of plant protection chemicals. (Ge) Fachberater f. das Deut. Kleingartn. 13(50):5-13. Ref. Dec. 1963. 80 F11  
Fungicides and insecticides chiefly.



- 99326 DULGER, K. Leaf spot disease (*Cercospora beticola* Sacc.). (Tu) Pancar 13(139):2-3. Apr.1964. 66.8 P19  
Beets.
- 99327 DUNIN, M. S. Coccomycosis is a dangerous disease (of leaves of deciduous fruit). (Rus) Sadovodstvo 7:35-36. July 1964. 80 Sa13  
*Coccomyces hiemalis*; includes chemical control.
- 99328 DUTT, B. L. Leaf blotch of potato. Indian Potato J. 5(2):65-70. Ref. Oct.1963. 75.8 In2  
*Cercospora concors* as causal organism.
- 99329 ELEUTERIUS, L. N., and SNOW, G. A. Caulicolous telia and uredia of *Cronartium fusiforme*. Plant Dis. Rptr. 48(5):366. May 15, 1964. 1.9 P69P  
On *Quercus nigra*.
- 99330 ELLIOTT, E. S. Susceptibility of Kentucky bluegrass [*Poa pratensis*] selections to some fungus diseases. W. Va. Acad. Sci. Proc. 35: 29-32. 1963, pub. 1964. 500 W52
- 99331 ENDE, G. VAN DEN. The interaction of some phytopathogenic fungi with plant tissue. Tijdschr. over Plantenziekten 70(2):37-52. Ref. 1964. 464.8 T44  
*Sclerotinia fructicola* on potato and *Colletotrichum lindemuthianum* on bean tissue.
- 99332 EYAL, Z., PETERSON, J. L., and JOHNSTON, C. O. The occurrence of *Puccinia recondita* Rob. ex Desm. race 53 in New Jersey. Plant Dis. Rptr. 48(8):653. Aug.15,1964. 1.9 P69P  
Cause of leaf rust of wheat.
- 99333 FILER, T. H. Outbreak of cankers on plantation-grown cottonwoods in Mississippi. Plant Dis. Rptr. 48(7):588. July 15,1964. 1.9 P69P  
*Cytospora chrysosperma*, *Phomopsis macrospora* and *Nectria* sp. on *Populus deltoides*.
- 99334 FLENTJE, N. T., and HAGEDORN, D. J. Rhizoctonia tip blight and stem rot [*Corticium praticola*] of pea. Phytopathology 54(7):788-791. July 1964. 464.8 P56
- 99335 FLIERMAN, J. The spraying scheme for 1964. (Du) Nederland. Fruittelers Organ. Berbl. 20 (3):49-52. Mar.1964. 95.9 N28  
Control of fungus diseases and insects on apples and pears.
- 99336 FONTANA, P., and RE, A. A. DEL. Guanidine and dithiocarbamates mixtures as fungicides. (It) Not. sulle Mal. delle Piante 67:63-75. Ref. 1963. 464.8 N84  
English summary.
- 99337 FOWLER, M. E. Fir tip blight. U. S. D. A. Misc. P. 939:109-110. Sept.1963. 1 Ag84M  
Caused by *Rehmiellopsis balsameae*.
- 99338 FREEMAN, T. E. Helminthosporium diseases of Bermudagrass. Golf Course Rptr. 32(5):24, 26. May 1964. 60.18 G83
- 99339 GABRIELSON, R. L. Factors affecting fungicidal control of downy mildew [*Peronospora parasitica*] on broccoli heads. Plant Dis. Rptr. 48 (8):593-596. Ref. Aug.15,1964. 1.9 P69P
- 99340 GARREN, K. H. Isolation procedures influence the apparent make-up of the terrestrial microflora of peanut pods. Plant Dis. Rptr. 48(5): 344-348. May 15,1964. 1.9 P69P  
Chiefly rot causing fungi.
- 99341 GARREN, K. H. Landplaster and soil rot of peanut pods in Virginia. Plant Dis. Rptr. 48(5): 349-352. May 15,1964. 1.9 P69P
- 99342 GEOFFRION, R. Pear blight. (Fr) Phytoma 15(152):28. Nov.1963. 464.8 P563  
Caused by *Taphrina bullata* in France.
- 99343 GHILLINI, C. A., and ALGHISI, P. Disinfestation of soils planted to vegetables. (It) Agricoltura 13(5):75-76. May 1964. 16 Ag8226  
Control of fungus diseases.
- 99344 GILL, D. L. Wilt of mimosa [*Albizia julibrissin*] wilt-resistant cultivars. Plant Dis. Rptr. 48(8):648. Aug.15,1964. 1.9 P69P  
Caused by *Fusarium oxysporum perniciusum*.
- 99345 GIUSEPPE, J. Development and damage to plane tree plantings of La Spezia caused by a parasitic leaf fungus. (It) Agr. della Spezia 13(6):85-90. June 1964. 16 Ag8229  
*Gloeosporium nervisequum* on *Platanus* spp.
- 99346 GJAERUM, H. B. Occurrence of cleistothecia of apple powdery mildew, *Podosphaera leuotricha* (Ell. et Ev.) Salm., in Norway. (No) Blyttia 22(2):68-72. Ref. 1964. 450 B622  
English summary.
- 99347 GJOERUM, H. B. Solvgians [Silver leaf]. Norway. Landbrdept. Opplysningstjenesten. Smaskr. 7,7 p. 1964. 464.4 N83  
*Stereum purpureum* on fruit trees.
- 99348 GLASER, T. Mass occurrence of *Asparagus* rust (*Puccinia asparagi* DC) and ways to control it. (Pol) Ochrona Roslin 6(6):21-23. Nov./Dec.1962. 464.8 Oc32
- 99349 GODLEWSKA-LIPOWA, W. More on bacterial diseases of sugar beets. (Pol) Ochrona Roslin 8(1):18-20. Jan.1964. 464.8 Oc32
- 99350 GOLENIA, A. Diagnostic characters of the tobacco downy mildew (*Peronospora tabacina* Adam). (Pol) Ochrona Roslin 7(6):1-7. June 1963. 464.8 Oc32
- 99351 GOODE, M. J. Resistance to anthracnose in cucumber. Ark. Farm Res. 13(4):6. July/Aug. 1964. 100 Ar42F  
Caused by *Colletotrichum lagenarium*.
- 99352 GORLENKO, M. V. Changes in the composition of parasitic flora of cultivated plants of the Soviet Union. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauki 2:115-120. Ref. 1963. 442.8 N22  
Chiefly fungus diseases.
- 99353 GOSS, O. M. Rust of snapdragons. West. Austral. Dept. Agr. J. (ser.4)5(4):245-246. Apr. 1964. 23 W52J  
Caused by *Puccinia antirrhini*; includes control.
- 99354 GOVI, G. Efficacy of Melprex as fungicide used in fruit protection. (It) Inform. Fitopatol. 13(10):260-261. Mar.31,1963. 464.8 In3
- 99355 GT. BRIT. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Powdery scab of potatoes. Gt. Brit. Min. Agr. Fisheries & Food. Adv. L. 99, rev., 4 p. Apr.1964. 10 G79La  
Caused by *Spongospora subterranea*.
- 99356 GREEN, H. J., and KELMAN, A. Distribution of the Dutch elm disease in North Carolina in 1963. Plant Dis. Rptr. 48(7):578-580, map. July 15,1964. 1.9 P69P  
*Ceratocystis ulmi*, causal organism.
- 99357 GREMMEN, J. Pine twist rust. U. S. D. A. Misc. P. 939:77-79. Sept.1963. 1 Ag84M  
Caused by *Melampsora pinitorqua*.
- 99358 GRIFFIN, H. D. The perithecial state of *Ceratocystis ulmi* in Ontario. Plant Dis. Rptr. 48 (8):615. Aug.15,1964. 1.9 P69P
- 99359 GUDAUSKAS, R. T., and MCGLOHON, N. E. Sclerotinia blight of Bahia grass [*Paspalum notatum*] in Alabama. Plant Dis. Rptr. 48(5):418. May 15,1964. 1.9 P69P  
*Sclerotinia homoeocarpa*, causal organism.
- 99360 GUNCKEL LUER, H. Some Uromyces which infect Liliaceae endemic to Chile. (Sp) Santiago Chile. Univ. Catolica. Rev. Univ. 47(52):99-101. 1962, pub. 1963. 516 Sa56
- 99361 GUPTA, M. N. Studies in the pathogenicity of certain parasitic fungi with special reference to their pectic enzyme system. Agra U. J. Res. Sci. 12(3):161-162. Sept.1963 513 Ag8  
*Rhizoctonia solani*, *Fusarium orthoceras* and *Penicillium expansum*.
- 99362 HALISKY, P. M., and SATOUR, M. M. Evaluating fungicides for the control of *Rhizopus* boll rot of cotton. Plant Dis. Rptr. 48(5):359-363. May 15,1964. 1.9 P69P  
Caused by *Rhizopus stolonifer* and *R. arrhizus*.
- 99363 HAMMARLUND, L., and others. The present report deals with some experiments carried out in 1963 at the State Plant Pathology Institute, Pesticides Division. (Da) Tidsskr. f. Planteavl 68(1):59-108. 1964. 11 T439  
E. Noddegaard, T. Hansen, and A. N. Rasmussen, joint authors.  
English summary.  
Testing of fungicides and insecticides.



- 99364 HANSBROUGH, J. R. Hypoxylon canker of aspen. U. S. D. A. Misc. P. 939:99-100. Sept. 1963. 1 Ag84M  
Caused by Hypoxylon pruinaum.
- 99365 HANSBROUGH, J. R. Strumella canker of oaks. U. S. D. A. Misc. P. 939:113-115. Sept. 1963. 1 Ag84M  
Caused by Strumella coryneoidea.
- 99366 HANSEN, L. R. Klumprot [Clubroot]. Norway. Landbrdept. Opplysningstjenesten. Smaskr. 10, 4 p. 1964. 464.4 N83  
Caused by Plasmodiophora brassicae of cruciferous plants.
- 99367 HASSAN, S. F., and KIRMANI, M. A. S. Occurrence of physiologic race 17 of Puccinia graminis tritici in Pakistan. Agr. Pakistan 14(4):395-396. Dec. 1963. 22 Ag832  
On wheat.
- 99368 HASSAN, S. F. A table model aerogas generator for small laboratories. Agr. Pakistan 14 (3):274-275. Sept. 1963. 22 Ag832  
For research on rust fungi.
- 99369 HEPTING, G. H. Persimmon [Diospyros] wilt. U. S. D. A. Misc. P. 939:85-86. Sept. 1963. 1 Ag84M  
Caused by Cephalosporium diospyri.
- 99370 HESKO, J. Contribution on the fungi and on some fungus diseases of fir [Abies spp.] in Slovakia. (Cz) Biologia [Bratislava] 18(11):831-842. 1963. 442.8 B5265  
German summary.
- 99371 HEUBERGER, J. W. Control of apple scab [Venturia inaequalis]. Cyanograms 10(4):28-31. Winter 1963. 381 Am392
- 99372 HINDS, T. E. Distribution of aspen cankers in Colorado. Plant Dis. Rptr. 48(8):610-614, map. Aug. 15, 1964. 1.9 P69P  
Hypoxylon pruinaum, Cytospora chrysosperma and Cenangium singulare on Populus tremuloides.
- 99373 HOFFMANN, J. A., and WALDHER, J. T. Additions to the host range of dwarf bunt [Tilletia controversa]. Plant Dis. Rptr. 48(7):575-577. Ref. July 15, 1964. 1.9 P69P
- 99374 HOFFMANN, J. A., and PURDY, L. H. Germination of dwarf bunt [Tilletia controversa] teliospores after ingestion by earthworms. Phytopathology 54(7):878-879. Ref. July 1964. 464.8 P56
- 99375 HOPKINS, J. C. Atropellis canker of pine. U. S. D. A. Misc. P. 939:84-85. Sept. 1963. 1 Ag84M  
Atropellis piniphila on Pinus contorta.
- 99376 HOPPE, P. E. Inoculation technique for Cladosporium ear rot of corn. Plant Dis. Rptr. 48 (5):391-393. May 15, 1964. 1.9 P69P  
Cladosporium herbarum, causal organism.
- 99377 HORN, N. L. A detached cucumber leaf method of screening fungicides for the control of anthracnose. Plant Dis. Rptr. 48(5):331-332. May 15, 1964. 1.9 P69P  
Colletotrichum lagenarium, causal organism.
- 99378 HORNE, C. W., and HALLIWELL, R. S. Oak wilt [Ceratocystis fagacearum] in Texas. Plant Dis. Rptr. 48(5):419. May 15, 1964. 1.9 P69P
- 99379 HSIA, Y. F. How are open irrigation ditches in wheat fields able to prevent rust. (Ch) Nongye Jishu 5:19-20. May 1963. 22.5 N929
- 99380 HUPPEL, A. Dry top of beech. (Sw) Skogen [Stockholm] 51(4):107-108. Feb. 20, 1964. 99.8 Sk51  
Caused by Armillaria mellea.
- 99381 IRVINE, J., and others. Techniques for evaluating reactions of Vanilla to Fusarium root rot. Phytopathology 54(7):827-831. July 1964. 464.8 P56  
T. Theis, F. A. Jimenez, and R. H. Freyre, joint authors.  
Fusarium batatatis vanillae.
- 99382 ISLAM, N., and AHMED, Q. A. The cause of tolerance of anthracnose (Colletotrichum corchori) in species and varieties of jute. Brit. Mycol. Soc. Trans. 47(2):227-233. June 1964. 451 B76
- 99383 JAGIELSKI, A. A report on experiments with fungicides carried out by IOR [Instytut Ochrony Roslin] in 1962. (Pol) Poznan. Inst. Ochrony Roslin. B. 24:345-371. 1963. 464.9 P87  
English summary.  
Tests with field crops and tomatoes.
- 99384 JANKOWSKI, F. Outbreak of tobacco downy mildew (Peronospora tabacina Adam) in Poland in 1963. (Pol) Ochrona Roslin 7(12):5-7, map. Dec. 1963. 464.8 Oc32
- 99385 JENKINS, S. F., WINSTEAD, N. N., and MC-COMBS, C. L. Pathogenic comparisons of three new and four previously described races of Glomerella cingulata var. orbiculare. Plant Dis. Rptr. 48(8):619-622. Ref. Aug. 15, 1964. 1.9 P69P
- 99386 JOHNSTON, A. Host list of plant diseases in Samoa. Food & Agr. Organ. United Nations. Plant Protect. Comt. So. East Asia & Pacific Region. Tech. Doc. 35, 4 p. 1963. 464.9 F733  
Fungus diseases.
- 99387 JOUSTRA, M. K. Collar rot in apple trees; summary of a literature review. (Du) Landbouwdocumentatie 20(1):3-4, 6-7. Ref. Jan. 4, 1964. 241 N38  
Phytophthora cactorum and P. syringae.
- 99388 KAARIK, A. Reference collection of pure cultures of wood-destroying and other fungi. Stockholm. Skogshogsk. Inst. f. Virkeslara. Uppsatser 44, 8 p. 1963. 99.9 St632
- 99389 KAR, K., and SINGH, D. K. Recent achievements in controlling red rot in Uttar Pradesh. Indian Sugar [Calcutta] 14(3):223-230, 233-238, map. June 1964. 65.8 In26  
On sugarcane.
- 99390 KENDRICK, E. L., METZGER, R. J., and ROHDE, C. R. Overwintering of race T-18 of Tilletia caries. Plant Dis. Rptr. 48(5):379-380. May 15, 1964. 1.9 P69P  
On wheat.
- 99391 KIEL, W. Tests over a period of years of resistance of potato varieties of Streptomyces scabies. (Ge) Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 17(10/11):162-165. Ref. Oct./Nov. 1963. 464.9 N11  
English summary.  
East Germany.
- 99392 KLINE, D. M., BOONE, D. M., and KEITT, G. W. Venturia inaequalis. XV. Histology of infections by biochemical mutants. Amer. J. Bot. 51(6, pt. 1):634-638. Ref. July 1964. 450 Am36  
Cause of scab of apple.
- 99393 KOHLER, H. Experiments to control Helminthosporium disease of opium poppy (Papaver somniferum L.) with culture filtrates containing antibiotics. (Ge) Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 17(10/11):165-170. Ref. Oct./Nov. 1963. 464.9 N11  
English summary.  
Helminthosporium papaveris, causal organism, in East Germany.
- 99394 KOLK, H. Seed-borne fungus diseases of crops. (Sw) Jord-Groda-Djur 20:73-83. 1964. 11 J763
- 99395 KRANZ, J. Field observations on varietal susceptibility of mango to Glomerella cingulata and Stigmata mangiferae in Guinea. FAO Plant Protect. B. 11(6):129-130. Dec. 1963. 421 P692
- 99396 KREBILL, R. G. Blister rust [Cronartium ribicola] found on limber pine [Pinus flexilis] in northern Wasatch Mountains. Plant Dis. Rptr. 48(7):532. July 15, 1964. 1.9 P69P
- 99397 KRZYMANSKA, J., and ZWOLINSKA-SNIATA-LOWA, Z. Studies of the physiological state of potatoes infested with Phytophthora infestans de Bary. (Pol) Poznan. Inst. Ochrony Roslin. B. 24:253-259. 1963. 464.9 P87  
English summary.
- 99398 KUBISCH, A. Black scurf of potato tubers (Rhizoctonia solani). (Pol) Ochrona Roslin 7(11):22-25. Nov. 1963. 464.8 Oc32
- 99399 KULAKOVA, N. M. Prevention of lodging of pine seedlings. (Rus) Lesn. Khoz. 3:41-42. Mar. 1964. 99.8 L5622  
Caused by Fusarium; includes seed treatment.



- 99400 LAFON, R. Laboratory research and cultural trials relating to *Sclerotium cepivorum* Berk., agent of white rot of garlic. (Fr) Acad. d'Agr. de France. Compt. Rend. 50(6):585-591. Apr. 8/15, 1964. 14 P215Bc
- 99401 LAMBERTI, F. Experiments in control of mildew of grape vines in Apulia. (It) Inform. Fitopatol. 14(11):289-291. June 15, 1964. 464.8 In3  
With karathane.
- 99402 LANG-DE LA CAMP, M. Eyespot [*Cercospora herpotrichoides*] and other foot diseases of grain. (Ge) Deut. Landwirt. 15(6):293-297. Ref. June 1964. 18 D4822
- 99403 LASZCZ, E., MROZEK, B., and STEC, M. Protecting tomatoes against brown leaf spot (*Cladosporium fulvum*) and potato blight (*Phytophthora infestans*). (Pol) Ochrona Roslin 7(6):9-15. June 1963. 464.8 Oc32
- 99404 LECLERC, A. Grape mildew in France in 1963. (Fr) Phytoma 16(156):28-30. Mar. 1964. 464.8 P563
- 99405 LEVCHENKO, N. K. Minor elements for control of *Fusarium* of larch. (Rus) Lesn. Khoz. 3:43-44. Mar. 1964. 99.8 L5622  
Seed treatment.
- 99406 LEWIS, G. D., and SHOEMAKER, P. B. Resistance of asparagus species to *Fusarium oxysporum* f. asparagi. Plant Dis. Rptr. 48(5):364-365. May 15, 1964. 1.9 P69P
- 99407 LINDQUIST, J. C. Rust of cocks eggs (*Salpichroa origanifolia*)—*Endophyllum panpeanum* (Speg.) nov. comb. and *Puccinia pampeana* Speg. (Sp) Soc. Argentina de Bot. B. 10(2/3):113-116. Oct. 1963. 451 So124
- 99408 LIU, Y. H. Rotation of crops can prevent black shank of tobacco. (Ch) Nongye Jishu 5:17. May 1963. 22.5 N929
- 99409 LIVINGSTON, C. H., OSHIMA, N., and HARRISON, M. D. Terracolor as a control for various levels of *Rhizoctonia inoculum* in potato soils. Amer. Potato J. 41(8):239-243. Aug. 1964. 75.8 P842
- 99410 LOHWAG, K. Dangerous forest diseases in Austria. U. S. D. A. Misc. P. 939:66-70. Ref. Sept. 1963. 1 Ag84M  
Fungus diseases.
- 99411 LUCAS, G. B., and DELOACH, L. R. Tobacco blue mold in Mexico. Plant Dis. Rptr. 48(7):524. July 15, 1964. 1.9 P69P  
Caused by *Peronospora tabacina*.
- 99412 LUKE, H. H. Identification and distribution of oat smuts of the Southeastern United States. Phytopathology 54(7):792-794. July 1964. 464.8 P56  
Chiefly *Ustilago avenae* and *U. kolleri*.
- 99413 LUKENS, A. R. Klutone tests for the city of Newton. Conf. Dutch Elm Dis. Proc., 18th Annu. Conf.:6-10. 1963. 464.07 C765
- 99414 LUKENS, R. J. The sulfur-depletion of cells by captan. Phytopathology 54(7):881-882. July 1964. 464.8 P56
- 99415 MACE, M. E., and WILSON, E. M. Phenol oxidases and their relation to vascular browning in *Fusarium*-invaded banana roots. Phytopathology 54(7):840-842. Ref. July 1964. 464.8 P56  
*Fusarium oxysporum cubense*, causal organism.
- 99416 MALM, N. R., and HSL, D. C. H. Occurrence of rust [*Puccinia purpurea*] on grain sorghum hybrids and varieties in New Mexico. Plant Dis. Rptr. 48(5):381. May 15, 1964. 1.9 P69P
- 99417 MAROCCHI, G. *Gnomonia veneta* attacking oak trees. (It) Inform. Fitopatol. 13(10):258-259. Mar. 31, 1963. 464.8 In3
- 99418 MARRAS, F. Crown rot of artichoke caused by *Sclerotinia sclerotiorum* (Lib.) Massee, *Sclerotium rolfsii* Sacc. and *Rhizoctonia solani* Kuhn, in Sardinia. (It) Studi Sassaresi. Sez. III, 10: 90-104, map. Ref. 1962, pub. 1963. 507 Sa7Sa  
English summary.
- 99419 MATHRE, J. H. Biology of *Stagnospora bromi*. Iowa State J. Sci. 48(4):427-435. May 15, 1964. 470 Io9  
Parasitic on *Bromus inermis*.
- 99420 MATHUR, R. S., VERMA, S. C., and CHAUHAN, L. S. Varieties resistant to stem rot. Rice News Teller 11(4):81-82. Oct./Dec. 1963. 59.8 R366  
Caused by *Sclerotium oryzae*.
- 99421 MATTA, A., and KERLING, L. C. P. *Verticillium albo-atrum* as a parasite of *Senecio vulgaris*. Tijdschr. over Plantenziekten 70(1):27-32. Ref. 1964. 464.8 T44
- 99422 MAY, C. Canker stain of plane trees. U. S. D. A. Misc. P. 939:89. Sept. 1963. 1 Ag84M  
*Ceratocystis fimbriata* on *Platanus acerifolia*, *P. occidentalis*, and *P. orientalis*.
- 99423 MEHTA, P. R. Biological basis of domestic quarantine against the wart disease. Indian Potato J. 5(2):76-79. Oct. 1963. 75.8 In2  
Caused by *Synchytrium endobioticum* on potatoes.
- 99424 MEIRLEIRE, H. DE. Vesiculose blister rust of pine. (Fr) Phytoma 15(152):29. Nov. 1963. 464.8 P563  
*Cronartium flaccidum*.  
In France.
- 99425 MERCK LUENGO, J. G. Pesticides of urethane or carbamate. 2. (Sp) Asoc. Nac. de Ingen. Agron. B. 147:9-19, 21-30. Ref. Jan. 1964. 58.9 As5  
This section chiefly on analysis and chemistry of fungicides.
- 99426 MIELKE, J. L. Comandra blister rust. U. S. D. A. Misc. P. 939:92-93. Sept. 1963. 1 Ag84M  
*Cronartium comandrae* on *Pinus*.
- 99427 MIERNIK, J., DWORAK, J., and OSTROWSKI, T. Investigation of biological efficacy and chemical durability of compounds based on Zn salts of ethylenedithiocarbamate acid. (Pol) Poznan. Inst. Ochrony Roslin. B. 24:405-411. 1963. 464.9 P87  
English summary.
- 99428 MILAIRE, H. Anthracnose of the cherry tree. (Fr) Pomol. Franc. (n.s.) 6(5):145-146, 149-151. May 1964. 80 P77  
*Coccomyces hiemalis*, causal organism.
- 99429 MINKEVICH, I. I. Selectivity and changes of the agent of vascular mycosis of trees. (Rus) Bot. Zhur. [Moscow] 49(6):853-859. June 1964. 451 R923  
*Ophiostoma roboris*.
- 99430 MKERVALI, V. G. Brown spot of Grecian laurel and its control. (Rus) Makharadze. Vses. Nauch.-Issled. Inst. Chaya Subtrop. Kul't. Subtrop. Kul't. 1:113-122. Ref. 1963. 68.19 M28  
English summary.  
Caused by *Colletotrichum lauri*.
- 99431 MOHAMED, H. A. *Fusarium* wilt of cotton in the United Arab Republic; field tests compared with glasshouse tests. Empire Cotton Growing Rev. 41(3):198-201. July 1964. 72.8 Em7  
*Fusarium oxysporum vasinfectum*, causal organism.
- 99432 MOHAN, J. C., and PALANISWAMY, S. Incidence of blast disease of rice in relation to time of planting. Rice News Teller 11(4):86-91. Oct./Dec. 1963. 59.8 R366
- 99433 MOLLER, W. J., and CARTER, M. V. Prune in June—new slogan for apricot growers. So. Austral. J. Agr. 67(10):322-324. May 1964. 23 So84  
To control gummosis fungi.
- 99434 MOORE, M. H. Glasshouse experiments on apple scab. I. Foliage infection in relation to wet and dry periods. Ann. Appl. Biol. 53(3): 423-435. Ref. June 1964. 442.8 An72  
*Venturia inaequalis*, causal organism.
- 99435 MORIONDO, F. The blister rust of pine. (It) Inform. Fitopatol. 13(12):307-309. June 30, 1964. 464.8 In3  
Caused by *Cronartium asclepiadeum*; includes the role of *Vincetoxicum officinale* as intermediary host.
- 99436 MOWRY, J. B., and DAYTON, D. F. Inheritance of susceptibility to apple blotch. J. Hered. 55(3):129-132. May/June 1964. 442.8 Am3  
*Phyllosticta solitaria* causative agent.
- 99437 MUKHERJI, S. K., and DAS, N. P. New record of a *Heterosporium* species causing a leaf spot in *Clinogyne dichotoma*. Plant Dis. Rptr. 48(7): 567. July 15, 1964. 1.9 P69P



- 99438 MULLER, H. J. Investigations on leaf spot diseases of oats. II. Fungi causing leaf spot of oats: *Helminthosporium avenae* Eidam, *Septoria avenae* Frank, *Helminthosporium sativum* P., K. et B., *Fusarium spec.*, *Epicoccum spec.* and *Heterosporium avenae* Oud. (Ge) *Phytopath. Z.* 49(3):266-290, map. Ref. Jan. 1964. 464.8 P562  
English summary.  
East Germany.
- 99439 NASH, S. M., and SNYDER, W. C. Dissemination of the root rot *Fusarium* with bean seed. *Phytopathology* 54(7):880. July 1964. 464.8 P56  
*Fusarium solani* phaseoli.
- 99440 NEW SOUTH WALES, DEPT. OF AGRICULTURE, BIOLOGY BR. Collar rot and shell bark of lemon trees. *Agr. Gaz. N. S. Wales* 75(6): 1063-1066. June 1964. 23 N472  
Collar rot caused by *Phytophthora citrophthora*; and shell bark, probably caused by virus and complicated by *Diaporthe citri* fungus.
- 99441 NEW SOUTH WALES, DEPT. OF AGRICULTURE, BIOLOGY BR. Rhizoctonia and scab diseases of potatoes. N. S. Wales. Dept. Agr. Biol. Br. Plant Dis. L. 35, ed. 2, 7 p. 1964. 464.9 N47  
Rhizoctonia solani and Streptomyces scabies causal organism.
- 99442 NEW SOUTH WALES, DEPT. OF AGRICULTURE, BIOLOGY BR. Septoria spot of citrus fruit. N. S. Wales. Dept. Agr. Biol. Br. Plant Dis. L. 126, ed. 3, 6 p. 1963. 464.9 N47  
Septoria depressa, causal organism.  
Includes control.
- 99443 NIGHSWANDER, J. E. Eastern gall rust. U. S. D. A. Misc. P. 939:95-96. Sept. 1963. 1 Ag84M  
Cronartium quercuum on Pinus, Castanea, and Quercus.
- 99444 NOWAK, H. Influence of TMTD on storage and yields of seed carrots. (Pol) *Ochroa Roslin* 8(3):29-30. Mar. 1964. 464.8 Oc32
- 99445 OEHRENS BERTOSZI, E. Plant disease fungi of Valdivia; third contribution. (Sp) Santiago Chile. Univ. Catolica. Rev. Univ. 47(52):43-55. Ref. 1962, pub. 1963. 516 Sa56
- 99446 OLOFSSON, B. Investigations on the conditions of potato blight [*Phytophthora infestans*] control with the help of a warning service based on meteorological data. Sweden. Stat. Vaxtskyddsanst. Meddel. 12(97):361-409. Ref. 1964. 464.9 Sw3M  
English summary.
- 99447 ORELLANA, R. G., and BAILEY, W. K. Blight of peanuts in Maryland and Virginia in 1963. *Plant Dis. Rptr.* 48(7):519-521. July 15, 1964. 1.9 P69P  
Botrytis cinerea, causal organism.
- 99448 OXENHAM, B. L., and WINKS, B. L. Pinus damping-off investigations in southern Queensland. Queensland J. Agr. Sci. 20(4):455-461. Dec. 1963. 23 Q37  
A fungus disease.
- 99449 PANIC, M. Parasites, the cause of diseases in corn. (Se) *Agrohemija* 12:788-799. Ref. 1963. 385 Ag87  
Fungus diseases.
- 99450 PAPAIVIZAS, G. C. Greenhouse control of Aphanomyces root rot of peas with aminobutyric acid and methylaspartic acid. *Plant Dis. Rptr.* 48(7):537-541. July 15, 1964. 1.9 P69P  
Aphanomyces euteiches, causal organism.
- 99451 PARK, H. J. B. The Fitchburg Dutch elm disease program. Conf. Dutch Elm Dis. Proc., 18th Annu. Conf.:17-18. 1963. 464.07 C765  
Methoxychlor toxicity compared to that of DDT.
- 99452 PASS, H. A. An industrial company approach to pesticide field testing in Canada with comments on other programs in this field. Can. Agr. Chem. Ass. Annu. Meeting Conf., 11th Annu. Meeting Conf.:15-31. 1963. 381 C163  
Tests with fungicides, herbicides, insecticides, and rodenticides.
- 99453 PAVGI, M. S., and SINGH, J. Bakanae and foot rot of rice in Uttar Pradesh, India. *Plant Dis. Rptr.* 48(5):340-342. Ref. May 15, 1964. 1.9 P69P  
Gibberella fujikuroi, causal organism.
- 99454 PEREIRA, J. F., and ECHANDI, E. Residue of arsenic in leaves and beans of coffee plants sprayed with lead arsenate. (Sp) *Turrialba* 14(2):85-90. Ref. Apr./June 1964. 8 T86  
English summary.  
For control of Mycena citricolor.
- 99455 PEREZ, M. Pathogenic agents of tree species. II. Pathogenic fungi. (Sp) Argentina. Dir. Gen. de Sanid. Veg. B. Fitosanit. 11:17-29. Sept. 1963. 464.9 Ar326  
Pathogenic bacteria, p. 28-29.
- 99456 PERISIC, M. M. Fusarium graminearum Schwabe a wheat parasite in Slavonia. (Se) *Zastita Bilja* 75:527-532. 1963. 464.8 Z1  
English summary.
- 99457 PETERSON, G. W. Cedar blight. U. S. D. A. Misc. P. 939:105-106. Sept. 1963. 1 Ag84M  
Phomopsis juniperovora chiefly on Juniperus.
- 99458 PETERSON, R. S. Spruce broom rust. U. S. D. A. Misc. P. 939:91-92. Sept. 1963. 1 Ag84M  
Caused by Peridermium coloradense.
- 99459 PHILIPP, A. Investigations on the control of Verticillium disease of cultivated mushrooms. (Ge) *Arch. f. Gartbau.* 11(8):613-623. 1963. 80 Ar2  
English summary.  
With Zineb; in East Germany.
- 99460 POHOSKA-JANISZEWSKA, I. Some diseases of vegetable seedlings. (Pol) *Ochroa Roslin* 8(3):23-25. Mar. 1964. 464.8 Oc32  
Fungus diseases.
- 99461 PRIOR, G. D., and OWEN, J. H. Pathological anatomy of Sclerotinia trifoliorum on clover and alfalfa. *Phytopathology* 54(7):784-787. Ref. July 1964. 464.8 P56
- 99462 PROTA, U. Researches on the loquat-scab and its agent (Fusicladium eriobotryae Cav.). III. Observations on some morpho-physiologic characters of numerous sardian strains of the parasite. (It) *Studi Sassaresi. Sez. III*, 10:27-58, map. Ref. 1962, pub. 1963. 507 Sa7Sa  
English summary.
- 99463 RAABE, R. D. Cleistothecia of a powdery mildew on coral bells [Heuchera sanguinea]. *Plant Dis. Rptr.* 48(5):416-417. May 15, 1964. 1.9 P69P  
Sphaerotheca humuli fuliginea, causal organism.
- 99464 RADMAN, L. Necrosis of bark associated with branch decay in some varieties of fruit (Cytoporella Sacc., Fusicoccum malorum Oud., Phomopsis mali Rob., Sphaeropsis malorum Berk.). (Se) *Zastita Bilja* 75:535-542. 1963. 464.8 Z1  
English summary.
- 99465 RANNEY, C. D. Some answers from research on boll rot losses in cotton. *Cotton Farming* 8(4):4, 17. July/Aug. 1964. 72.8 C8296
- 99466 RAO, P. N., and KARAN, D. Some new hosts to Leptosphaerulina Mcalp. from India. *Mycopath. et Mycol. Appl.* 22(2/3):91-95. Apr. 30, 1964. 450 M994
- 99467 RAO, V. G. A new fruit spot of Annona squamosa from India. *Plant Dis. Rptr.* 48(5):399-401. May 15, 1964. 1.9 P69P  
Caused by Pestalotia sp.
- 99468 RAO, V. G. A new leaf spot of rose from India. *Plant Dis. Rptr.* 48(5):397-399. May 15, 1964. 1.9 P69P  
Caused by undetermined species of Alternaria.
- 99469 RICHARDSON, L. T., and MUNNECKE, D. E. A bioassay for volatile toxicants from fungi-cides in soil. *Phytopathology* 54(7):836-839. Ref. July 1964. 464.8 P56
- 99470 RIGGENBACH, A. On the control of the white root disease of the para-rubber tree, Hevea brasiliensis Muell. Arg. *Phytopath. Z.* 49(3): 233-256. Ref. Jan. 1964. 464.8 P562  
Caused by Fomes lignosus in Ceylon.
- 99471 ROBAK, H. Hypodermella [sulcigena] needle cast of pine. U. S. D. A. Misc. P. 939:76-77. Sept. 1963. 1 Ag84M  
Occurs in Europe.
- 99472 ROBAK, H. Larch canker [Dasyscypha willkommii] and dieback. U. S. D. A. Misc. P. 939:75-76. Sept. 1963. 1 Ag84M  
Chiefly on Larix decidua in Europe.



- 99473 ROBERTS, E. C., and CHEESMAN, J. H. Effect of nitrogen and moisture stress on leaf spot [*Helminthosporium sativum*] infection in Merion bluegrass. *Golf Course Rptr.* 32(5):18-20. May 1964. 60.18 G83
- 99474 ROLL-HANSEN, F. Fungus diseases in forest nurseries. (No) Arsskr. f. Norske Skogplantesk. 1963:47-50,53-54. 1964. 99.9 N8122 Pine and spruce. Discussion, p.56-58.
- 99475 ROLL-HANSEN, F. Scots pine [*Pinus sylvestris*] blister rust. U. S. D. A. Misc. P. 939:73-74. Sept.1963. 1 Ag84M  
Caused by *Cronartium flaccidum*.
- 99476 ROLLIN, L. The culture of tobacco in Algeria after three years of combating mildew. (Fr) *Rev. Internatl. des Tabacs* 39(372):51,53. Mar. 1964. 69.8 R324
- 99477 RONDOMANSKI, W. Control of onion downy mildew (*Peronospora destructor*) based on its epidemiology. (Pol) *Ochrona Roslin* 7(5):20-26. May 1963. 464.8 Oc32
- 99478 ROUSSEL, C. Evolution of grape black rot in 1962. (Fr) *Phytoma* 15(150):15-19. July/Aug. 1963. 464.8 P563  
In France.  
Includes control.
- 99479 RUBIN, B. A., and LADYGINA, M. E. Mechanism of the action of toxin of *Botrytis cinerea*. (Rus) *Agrobiologiya* 3:443-455. Ref. May/June 1964. 20 Ag822  
On the cabbage.
- 99480 RUI, D., GIULIVO, G., and MARCHIORI, G. Fungus diseases of vegetable crops. (It) *Agri-cultura* 13(5):88-89. May 1964. 16 Ag8226
- 99481 SAKAI, R., TOMIYAMA, K., and TAKEMORI, T. Relation between physiological factors related to phenols and varietal resistance of potato plant to late blight. II. Experiments with the potato tubers. *Phytopath. Soc. Japan. Ann.* 29(3):120-127. Ref. May 1964. 464.9 P562
- 99482 SAPONARO, A. Parasitic diseases of carrots in the Province of Roma. (It) *Agricoltura* 13(5):94-95. May 1964. 16 Ag8226  
Fungus diseases.
- 99483 SARASOLA, A. A. Efectos de elementos nutritivos sobre la resistencia del tomate a *Aleternaria solani* [Effects of nutritive elements on the resistance of tomato to *Alternaria solani*]. Argentina. Sec. de Estado de Agr. y Ganad. P. Tec. 139,8 p. 1963. 464.9 Ar325  
English summary.  
Nutrient solutions.
- 99484 SARASOLA, M. A. R. DE. Tratamientos de semilla de *Pinus radiata* con productos quimio-terapeuticos contra *Pythium ultimum* [Treatments of seed of *Pinus radiata* with chemotherapeutic agents against *Pythium ultimum*]. Argentina. Sec. de Estado de Agr. y Ganad. P. Tec. 140,8 p. Ref. 1963. 464.9 Ar325  
English summary.  
Use of various fungicides.
- 99485 SAVOSTA, V. S. Factors determining development of the yellow rust of wheat in Kirghiz SSR. (Rus) *Bot. Zhur. [Moscow]* 49(6):885-887. June 1964. 451 R923  
Length of light.
- 99486 SCHEFFER, R. P., and PRINGLE, R. B. Uptake of *Helminthosporium victoriae* toxin by oat tissue. *Phytopathology* 54(7):832-835. Ref. July 1964. 464.8 P56
- 99487 SCHNEIDER, C. L. Classification of sugar beet strains for resistance to *Aphanomyces cochlioides* in greenhouse tests. *Amer. Soc. Sugar Beet Technol. J.* 12(8):651-656. Jan. 1964. 66.9 Am35J
- 99488 SCHOLTEN, G. *Nectria radicola* en *Thielaviopsis basicola* als parasieten van *Cyclamen persicum* [*Nectria radicola* and *Thielaviopsis basicola* as parasites of *Cyclamen persicum*]. *Tijdschr. over Plantenziekten* 70(sup.2),68 p. Ref. 1964. 464.8 T44
- 99489 SELISKAR, C. E. Oak wilt. U. S. D. A. Misc. P. 939:86-88. Sept.1963. 1 Ag84M  
Caused by *Ceratocystis fagacearum*.
- 99490 SEMAL, J. New perspectives in the control of phytovirus. (Fr) *Parasitica* 20(2):103-105. Ref. 1964. 464.8 P21
- 99491 SIBILIA, C. Control of olive scab. (It) *Italia Agr.* 101(5):473-479. May 1964. 16 It1  
Aircraft spraying for *Cycloconium oleaginum*.
- 99492 SIBILIA, C. Diffusion of *Berberis vulgaris* and infections of *Puccinia graminis* in the Piedmont. (It) *Rome. Sta. di Patol. Veg. B.* 21(1):85-92, map. Ref. 1963. 464.9 R662  
English summary.  
On wheat.
- 99493 SIBILIA, C., BASILE, R., and BOSKOVIC, M. Research on *Thalictrum* species carried out on alpine pastures in 1962 and 1963. (It) *Rome. Sta. di Patol. Veg. B.* 21(1):93-98. Ref. 1963. 464.9 R662  
English summary.  
As hosts of *Puccinia recondita*, cause of leaf rust in wheat.
- 99494 SIDDIQI, M. A. Fungus flora of *Coffea arabica* in Nyasaland. *Brit. Mycol. Soc. Trans.* 47(2):281-284. June 1964. 451 B76  
Pathogenic and saprophytic.
- 99495 SIMMONDS, J. H. Studies in the latent phase of *Colletotrichum* species causing ripe rots of tropical fruits. *Queensland J. Agr. Sci.* 20(4):373-424. Ref. Dec.1963. 23 Q37  
Especially *Gloeosporium musarum* on bananas.
- 99496 SINCLAIR, J. B. Clubroot of rutabaga in Louisiana. *Plant Dis. Rptr.* 48(7):574. July 15, 1964. 1.9 P69P  
Caused by *Plasmodiophora brassicae*.
- 99497 SINGH, R. S. The development of *Pythium* at different temperatures in the soil planted with corn. *Mycopath. et Mycol. Appl.* 22(2/3):182-184. Apr.30,1964. 450 M994  
*Pythium ultimum*.
- 99498 SMIT, S. Investigation of the possibilities of using chemical means for the protection of black pine against *Actinothyrium marginatum* fungi. (Se) *Agrohemiija* 7/8:436-438. 1963. 385 Ag87
- 99499 SNOW, G. A., CZABATOR, F. J., and SORRELS, S. S. Cycloheximide derivatives for controlling brown spot on longleaf pine [*Pinus palustris*]. *Plant Dis. Rptr.* 48(7):551-553. July 15,1964. 1.9 P69P  
Caused by *Scirrhia acicola*.
- 99500 SRIVASTAVA, S. N. S., MEHTA, P. R., and RENJHEN, P. L. Potato wart disease in Darjeeling and neighbouring areas. *Indian Potato J.* 5(2):106-107. Oct.1963. 75.8 In2
- 99501 STALEY, J. M. A survey of coniferous foliage diseases (other than rusts) in Colorado. *Plant Dis. Rptr.* 48(7):562-563. July 15, 1964. 1.9 P69P  
Fungus diseases.
- 99502 STAPEL, C. Treatment for fungus diseases once more. (Da) *Landbonyt* 18(2):47-48. Feb.1964. 11 L2322  
Seed grain.
- 99503 STAPLES, R. C., and STAHMANN, M. A. Changes in proteins and several enzymes in susceptible bean leaves after infection by the bean rust fungus [*Uromyces phaseoli*]. *Phytopathology* 54(7):760-764. Ref. July 1964. 464.8 P56
- 99504 STEC, M. Studies on control of apple scab (*Venturia inaequalis* (Cooke) Aderh.). (Pol) *Ochrona Roslin* 7(6):16-22. June 1963. 464.8 Oc32  
Chemical.
- 99505 STEPHAN, S. Measures for decreasing losses through late blight (*Phytophthora infestans*) of potatoes. (Ge) *Wiss.-Tech. Fortschr. f. die Landwirt.* 5(6):279-281. June 1964. 18 W763
- 99506 STRETCH, A. W. Blueberry anthracnose caused by *Glomerella cingulata*. *N. J. Agr. Expt. Sta. Annu. Blueberry Open House. Proc.* 31:6-7. 1963. 94.35 N46A
- 99507 SUNDARAM, N. V. Note on the cross-inoculation studies of three species of *Hemileia* Berk & Br. *Indian J. Agr. Sci.* 34(1):63-65. Mar. 1964. 22 Ag83I  
Rust disease of coffee, caused by *Hemileia vastatrix*, *H. holarrhenae*, and *H. wrightiae*.

- 99508 SUNDERMAN, D. W. Modifications of the Cor-mack and Lebeau technique for inoculating winter wheat with snow mold-causing *Typhula* species. *Plant Dis. Rptr.* 48(5):394-395. May 15, 1964. 1.9 P69P  
*Typhula idahoensis*.
- 99509 TAKAHASHI, M., and KAWASE, Y. Ecologic and taxonomic studies on *Pythium* as pathogenic soil fungi. I. Vertical distributions of several pathogenic soil fungi in soil. (Ja) *Phytopath. Soc. Japan. Ann.* 29(3):155-161. Ref. May 1964. 464.9 P562  
English summary.
- 99510 TAKANASHI, K., and IWATA, Y. The mode of infection of flag smut fungus on wheat varieties differing in resistance. (Ja) *Phytopath. Soc. Japan. Ann.* 29(3):149-154. Ref. May 1964. 464.9 P562  
English summary.  
*Urocystis tritici*.
- 99511 TARJOT, M. Notes on the propagation of root rots. (Fr) *Agron. Trop. [Paris]* 19(3):203-218. Mar. 1964. 26 Ag86  
English summary.  
On Hevea on the Ivory Coast.
- 99512 THIEDE, H. Investigations on the biology and control of *Ustilago avenae* (Persoon) Jenson and on the technique of infection. (Ge) *Phytopath. Z.* 48(1):29-72. Ref. July 1963. 464.8 P562  
English summary.
- 99513 TOOLE, E. R. Progress of oak heart rot varies with height in tree. *Plant Dis. Rptr.* 48(7):585. July 15, 1964. 1.9 P69P  
*Pleurotus ostreatus* on *Quercus nuttallii*.
- 99514 TRUSZKOWSKA, W. Observation on the tomato disease caused by *Geotrichum candidum* Lk. in Wroclaw and its environs. (Pol) *Poznan. Inst. Ochrony Roslin. B.* 24:383-387. 1963. 464.9 P87
- 99515 TRUSZKOWSKA, W. Notes on wet rot of tomato fruits. (Pol) *Ochrona Roslin* 7(6):24-28. June 1963. 464.8 Oc32  
Caused chiefly by *Geotrichum candidum*.
- 99516 TUPENEVICH, S. M. Manure-soil composts in the control of cotton wilt. (Rus) *Agrobiologiya* 2:254-259. Mar./Apr. 1964. 20 Ag822  
*Trichoderma lignorum* in the control of *Verticillium dahliae*.
- 99517 UEHARA, K. Relationship between the host specificity of pathogen and phytoalexin. (Ja) *Phytopath. Soc. Japan. Ann.* 29(3):103-110. May 1964. 464.9 P562  
English summary.
- 99518 ULLSTRUP, A. J. Observations on two epiphytotic of *Diplodia* ear rot of corn in Indiana. *Plant Dis. Rptr.* 48(5):414-415. May 15, 1964. 1.9 P69P  
*Diplodia maydis*, causal organism.
- 99519 UMAR, S. M., and BHATTI, A. R. *Cercospora* [concoris] leaf spot, a new disease of potatoes in West Pakistan. *West Pakistan J. Agr. Res.* 1(3):103. June 1963. 22 W52
- 99520 UNDERWOOD, J. K. Rust [*Puccinia graminis*] on Merion bluegrass. *Golf Course Rptr.* 32(5):22. May 1964. 60.18 G83  
U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Controlling tomato diseases. U. S. D. A. Farmers' B. 2200, 12 p. June 1964. 1 Ag84F  
Fungus and virus diseases, controlled chiefly by growing resistant varieties, treating seeds, and applying fungicides.
- 99522 VANEV, S. A new species of the genus *Stagonospora* attacking *Vitis vinifera* L. (Bu) *Bulg. Akad. na Nauk. Bot. Inst. Izv.* 12:233-235. 1963. 451 B87  
English summary.  
*Stagonospora bulgarica*.
- 99523 VERRALL, A. F. Brown-spot needle blight. U. S. D. A. Misc. P. 939:111-112. Sept. 1963. 1 Ag84M  
*Scirrhia acicola* on *Pinus palustris*.
- 99524 VERRALL, A. F. Southern fusiform rust. U. S. D. A. Misc. P. 939:93-94. Sept. 1963. 1 Ag84M  
*Cronartium fusiforme* on *Pinus* and *Quercus*.
- 99525 VIDENOV, B. Studies on phytotoxic effect of some fungicides in apple spraying. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Ovoshtarstvo. Izv.* 5:135-144. Ref. 1963. 86 G16  
German summary.
- 99526 WALLIS, G. W. *Poria* root rot of Douglas-fir. U. S. D. A. Misc. P. 939:108-109. Sept. 1963. 1 Ag84M  
Caused by *Poria weirii*.
- 99527 WEINDLMAYR, J. Investigations on influencing susceptibility of potato plants to *Phytophthora* by gibberellin treatment. I. Experiments with plants in nutrient solutions. (Ge) *Z. f. Pflanzenkrankh. (Pflanzenpath.) u. Pflanzenschutz* 70(10):599-609. Ref. Oct. 1963. 464.8 Z3  
English summary.
- 99528 WENSLEY, R. N. Occurrence and pathogenicity of *Valsa* (*Cytospora*) species and other fungi associated with peach canker in southern Ontario. *Canad. J. Bot.* 42(7):841-857, map. Ref. July 1964. 470 C16C
- 99529 WICKENS, G. M. Methods for detection and selection of heritable resistance to *Fusarium* wilt of cotton. *Empire Cotton Growing Rev.* 41(3):172-193. Ref. July 1964. 72.8 Em7  
*Fusarium oxysporum vasinfectum*, causal organism.
- 99530 WILSON, C. L., TUCKER, M. C., and TINER, J. V. Oak wilt in Arkansas (1950-1963). *Plant Dis. Rptr.* 48(5):370-372, map. May 15, 1964. 1.9 P69P
- 99531 WILSON, J. F. Temperature control in studies on hop wilt [*Verticillium albo-atrum*]. *Commonwealth Phytopath. News* 10(3):33-35. July 1964. 464.8 C73
- 99532 WILSON, J. W. DE. Prediction of potato blight. (Sp) *Argentina. Dir. Gen. de Sanid. Veg. B. Fitosanit.* 11:15-16. Sept. 1963. 464.9 Ar326  
Caused by *Phytophthora infestans*.
- 99533 WINCKEL, A. VAN, and ASSCHE, C. VAN. Control of *Thielaviopsis basicola* on *Cyclamen persicum*. I-II. (Du) *Parasitica* 20(2):71-102. 1964. 464.8 P21  
The use of soil disinfectants and fungicides.
- 99534 WINCKEL, A. VAN. *Cylindrocarpum radiclecola* and *Thielaviopsis basicola* in *Cyclamen persicum*. (Fr) *Pepinieristes Hort. Maraichers* 41:1617-1621. Nov. 1963. 80 P39
- 99535 WRIGHT, E. *Phymatotrichum* root rot. U. S. D. A. Misc. P. 939:106-108. Sept. 1963. 1 Ag84M  
*Phymatotrichum omnivorum* on dicotyledonous plants.
- 99536 YAMADA, T. Studies on the interaction of fungicides and plants. 2. Stoichiometry in the detoxication of PMA with the thiol group. (Ja) *Phytopath. Soc. Japan. Ann.* 29(3):111-119. Ref. May 1964. 464.9 P562  
English summary.  
Control of fungus disease of rice.
- 99537 YARWOOD, C. E. Thermophylaxis in bean rust. *Nature [London]* 203(4943):426-427. July 25, 1964. 472 N21  
*Uromyces vulgaris*, causal organism.
- 99538 YOUNG, D. W. HRS-211 and Dutch elm disease. *Conf. Dutch Elm Dis. Proc., 18th Annu. Conf.:1-4.* 1963. 464.07 C765
- 99539 ZALESKI, K. Smut of onions (*Urocystis cepulae* Frost.) and ways to control it in the light of literature. (Pol) *Ochrona Roslin* 6(6):1-6. Nov./Dec. 1962. 464.8 Oc32
- 99540 ZGORKIEWICZ, A. Results of author's research on *Fusarium* vascular wilt of lupine in Poland up till the present time. (Pol) *Poznan. Inst. Ochrony Roslin. B.* 24:389-404. Ref. 1963. 464.9 P87  
English summary.
- 99541 ZILLER, W. G. Stalactiform rust. U. S. D. A. Misc. P. 939:103-104. Sept. 1963. 1 Ag84M  
*Peridermium stalactiforme* on *Pinus* and *Castilleja*.
- 99542 ZILLER, W. G. Western gall rust (woodgate rust). U. S. D. A. Misc. P. 939:101-103. Sept. 1963. 1 Ag84M  
*Peridermium harknessii* on *Pinus*.



- 99543 ZUB, J., and DRATH, M. The present sanitary state of cereal crops in Poland and phytopathological problems resulting from it. (Pol) Poznan. Inst. Ochrony Roslin. B. 24:175-206, map. Ref. 1963. 464.9 P87  
English summary.  
Fungus diseases.

#### Diseases Caused by Bacteria

- 99544 ADAMCZYK, K. A survey of detection and control methods of the bacterial ring of potatoes (*Corynebacterium sepedonicum* (Spieck. et Kotth.) Skapt. et Burk.). (Pol) Poznan. Inst. Ochrony Roslin. B. 24:231-252. Ref. 1963. 464.9 P87  
English summary.
- 99545 AVERRE, C. W., and KELMAN, A. Severity of bacterial wilt as influenced by ratio of virulent to avirulent cells of *Pseudomonas solanacearum* in inoculum. *Phytopathology* 54(7):779-783. Ref. July 1964. 464.8 P56  
Tests on tobacco, tomato and eggplant.
- 99546 BERAHA, L., and SMITH, M. A. A bacterial necrosis of tomatoes. *Plant Dis. Rptr.* 48(7):558-561. July 15, 1964. 1.9 P69P  
*Aerobacter cloacae*, causal organism.
- 99547 BUDDENHAGEN, I. La antracnosis del platano "cachaco" en Colombia is really bacterial wilt caused by *Pseudomonas solanacearum*. *Turrialba* 14(2):100. Apr./June 1964. 8 T86  
Reply to an article by R. Cardenosa-Barriga, published in the June 1963 issue of *Turrialba*.
- 99548 CASTANO, J. J. Disease of grasses. (Sp) Soc. Antioquena de Agr. B. Agr. 525:9429-9431. Mar. 1964. 9.4 Sol  
Chiefly on a bacterial disease of *Axonopus scoparius*.
- 99549 CENTIFANTO, Y. M., and SILVER, W. S. Leaf-nodule symbiosis. I. Endophyte of *Phychothria bacteriophila*. *J. Bact.* 88(3):776-781. Ref. Sept. 1964. 448.3 J82
- 99550 CROSSAN, D. F., and FIELDHOUSE, D. J. A comparison of dwarfing and other compounds, with and without fixed copper fungicide, for control of bacterial spot of pepper. *Plant Dis. Rptr.* 48(7):549-550. July 15, 1964. 1.9 P69P  
*Xanthomonas vesicatoria*, causal organism.
- 99551 GODLEWSKA-LIPOWA, W. Bacterial diseases of beets. (Pol) *Ochroona Roslin* 7(11):13-15. Nov. 1963. 464.8 Oc32
- 99552 GOIDANICH, G., and ERCOLANI, G. L. The question of *Erwinia* in fruit-bearers. (It) *Inform. Fitopatol.* 14(12):309-313. June 30, 1964. 464.8 In3  
*Erwinia amylovora* pathogenic to apples.
- 99553 HAYWARD, A. C. Bacteriophage sensitivity and biochemical group in *Xanthomonas malvacearum*. *J. Gen. Microbiol.* 35(2):287-298. Ref. May 1964. 448.3 J823  
From diseased cotton plant material.
- 99554 HONMA, S., and MANSOUR, N. S. Use of antibiotic in asexual propagation of cauliflower. *Plant Dis. Rptr.* 48(8):623-624. Aug. 15, 1964. 1.9 P69P  
Agrimycin to control soft rot.
- 99555 LAZAR, I., and BUCUR, E. Recent research in Roumania on blackleg and bacterial soft rot of potato. *European Potato J.* 7(2):102-111. Ref. June 1964. 75.8 Eu7  
Caused by *Erwinia* sp.
- 99556 MATHUR, R. S., and SWARUP, J. Varieties resistant to bacterial leaf blight. *Rice News Teller* 11(4):82. Oct./Dec. 1963. 59.8 R366  
Caused by *Xanthomonas oryzae*.
- 99557 OKAMOTO, K. I., HATANAKA, C., and OZAWA, J. A saccharifying pectate trans-eliminase of *Erwinia aroideae*. *Agr. & Biol. Chem.* 28(5):331-336. May 1964. 385 Ag8B
- 99558 PAHARIA, K. D., and PUSHKARNATH. Occurrence of common scab on potatoes in Bihar. *Indian Potato J.* 5(2):104-105. Oct. 1963. 75.8 In2  
*Streptomyces scabies*.

- 99559 PATEL, P. N., WALKER, J. C., and HAGE-DORN, D. J. Bacterial brown spot of bean in central Wisconsin. *Plant Dis. Rptr.* 48(5):335-337. May 15, 1964. 1.9 P69P  
*Pseudomonas syringae*, causal organism.
- 99560 SEITZ, E. W., and HOCHSTER, R. M. Free proline in normal and in crown-gall tumor tissue of tomato and tobacco. *Life Sci.* 3(9):1033-1037. Ref. Sept. 1964. 442.8 L62  
*Agrobacterium tumefaciens*.
- 99561 SHCHERBIN-PARFENENKO, A. L., and NIKITINA, V. K. Bacterial infection of forest tree seeds. (Rus) *Lesn. Khoz.* 11:63. Nov. 1963. 99.8 L5622  
Includes treatment.
- 99562 THOMPSON, S. S. An epiphytotic of angular leafspot [*Pseudomonas angularis*] of flue-cured tobacco in Georgia in 1963. *Plant Dis. Rptr.* 48(5):419. May 15, 1964. 1.9 P69P
- 99563 TOMINAGA, T. On the bacterial leaf spot of alfalfa. (Ja) *Phytopath. Soc. Japan. Ann.* 29(3):162-166. May 1964. 464.9 P562  
English summary.  
*Xanthomonas phaseoli*.
- 99564 WALLEN, V. R., and SUTTON, M. D. Fuscos blight, a widespread bean disease of economic importance to Ontario. *Res. Farmers* 9(3):6-7. Summer 1964. 7 R31  
Caused by *Xanthomonas phaseoli fuscans*.

#### Viruses and Virus Diseases

- 99565 ALLINGTON, W. B., BALL, E. M., and GALVEZ, G. Potato spindle tuber caused by a strain of potato virus X. *Plant Dis. Rptr.* 48(8):597-598. Aug. 15, 1964. 1.9 P69P
- 99566 BARTELS, R. Investigations on serological relationships between viruses of the tobacco-etch-virus-group. (Ge) *Phytopath. Z.* 49(3):257-265. Ref. Jan. 1964. 464.8 P562  
English summary.
- 99567 BENJAMINI, E., and others. Immunochemical studies on the tobacco mosaic virus protein. I. *Biochemistry* 3(8):1115-1120. Ref. Aug. 1964. 381 B523  
J. D. Young, M. Shimizu, and C. Y. Leung, joint authors.
- 99568 BERNHARD, M. R. The methods of sanitary selection of fruit trees. (Fr) *Pomol. Franc.* (n.s.) 5(10):349-350. Nov. 1963. 80 P77  
Control of virus diseases.
- 99569 BLASZCZAK, W. Problems of transmission of "narrow leaf" of yellow lupine through seeds. (Pol) *Ochroona Roslin* 7(5):3-6. May 1963. 464.8 Oc32  
A virus disease.
- 99570 BLASZCZAK, W. Transmission of "narrow leaf" in lupine. (Pol) *Ochroona Roslin* 7(7):7-10. July 1963. 464.8 Oc32  
A virus disease, transmitted through seeds and by aphids.
- 99571 BRADISH, C. J., JOWETT, R., and KIRKHAM, J. B. The fixation of complement by virus-antibody complexes: equivalence and inhibition in the reactions of the viruses of tomato bushy stunt and foot-and-mouth disease with rabbit and guinea-pig antisera. *J. Gen. Microbiol.* 35(1):27-51. Ref. Apr. 1964. 448.3 J823
- 99572 CANOVA, A., CASALICCHIO, G., and BENI, P. V. DE. Research on plant viruses. I-III. (It) *Ricerca Sci. Ser. 2, Parte II, Rend. Sez. B, Biol.* 2(4):285-300. Ref. Dec. 1962. 475 It1  
English summaries.  
I, Yellows of *Solanum nigrum*; II, Latent virus of *Anemone coronaria*; III, Chlorotic mottle of *Chenopodium album*.
- 99573 CIFERRI, R. Symptoms and transmission of plant viruses. III. (It) *Colt. e Gior. Vinic. Ital.* 110(5):167. May 1964. 16 C72
- 99574 CURLEE, D. Care and teamwork aid detection of quick decline. *West. Fruit Grower* 17(8):13-14. Aug. 1963. 95.8 G762  
Tristeza on citrus in California.



- 99575 DAUTHY, D., and BOVE, J. M. Isolation of citrus crinkly leaf virus. I. Preliminary note. (Fr) *Fruits* 19(4):187-192. Apr. 1964. 80 F9492  
English summary, p.231.
- 99576 DESJARDINS, P. R., and REYNOLDS, D. A. On the taxonomic position of the West India gherkin and its reaction to the citrus infectious variegation virus. *Plant Dis. Rptr.* 48(5):420. May 15, 1964. 1.9 P69P
- 99577 FORD, R. E. Pea pod streak symptoms correlated with time of virus infection. *Plant Dis. Rptr.* 48(7):564-566. July 15, 1964. 1.9 P69P
- 99578 FRAENKEL-CONRAT, H., and SINGER, B. Reconstitution of tobacco mosaic virus. IV. *Virology* 23(3):354-362. Ref. July 1964. 448.8 V81
- 99579 FRIDLUND, P. R. Royal (Blenheim) apricot, a symptomless reservoir of the twisted leaf virus of sweet cherry. *Plant Dis. Rptr.* 48(7):548. July 15, 1964. 1.9 P69P
- 99580 GABRIEL, W. A modern laboratory for testing seed potatoes for freedom from diseases. (Pol) *Ochrońa Roslin* 7(11):4-8. Nov. 1963. 464.8 Oc32  
Laboratory of the Nederlandsche Algemeene Keuringsdienst voor Landbouwzaden en Aardappelpotgoed in Emmeloord.
- 99581 GALVEZ, G. E. Loss of virus by filtration through charcoal. *Virology* 23(3):307-312. July 1964. 448.8 V81  
Tobacco mosaic virus, southern bean mosaic virus, and brome mosaic virus from barley.
- 99582 GEORGE, J. A., and DAVIDSON, T. R. Further evidence of pollen transmission of necrotic ring spot and sour cherry yellows viruses in sour cherry. *Canad. J. Plant Sci.* 44(4):383-384. July 1964. 450 C16
- 99583 GIGANTE, R. Corky ring spot of potatoes. (It) *Rome. Sta. di Patol. Veg. B.* 21(1):3-16. Ref. 1963. 464.9 R662  
English summary.  
Caused by a virus.
- 99584 GILMER, R. M. Longevity of sour cherry yellows virus in infected cherry seeds. *Plant Dis. Rptr.* 48(5):338-339. May 15, 1964. 1.9 P69P
- 99585 GLAZEWSKA, Z. Attempts to apply chemotherapy in control of leaf-roll virus of hop. (Pol) *Poznan. Inst. Ochrońy Roslin. B.* 24:131-134. 1963. 464.9 P87  
English summary.
- 99586 GRANCINI, P. Virus diseases of vegetable plants. (It) *Agricoltura* 13(5):92-93. May 1964. 16 Ag8226
- 99587 GRANT, T. J. Brooming disease of black locust [*Robinia pseudoacacia*]. U. S. D. A. Misc. P. 939:82-83. Sept. 1963. 1 Ag84M  
Caused by *Chlorogenus robiniae*.
- 99588 GRELA, T. B. The methods for studying plant viruses. (Pol) *Poznan. Inst. Ochrońy Roslin. B.* 24:99-126. Ref. 1963. 464.9 P87  
English summary.
- 99589 GUALACCINI, F. First results of experiments on witches broom, cowl-forming leaves and other abnormalities of the English elm (*Ulmus campestris* L.). (It) *Rome. Sta. di Patol. Veg. B.* 21(1):25-43. Ref. 1963. 464.9 R662  
English summary.  
Caused by a virus.
- 99590 GUALACCINI, F. Singular virescence, prolongation of the floral axis and foliar abnormalities in rose obtained from seed of a plant suffering from "rose yellow mosaic." (It) *Rome. Sta. di Patol. Veg. B.* 21(1):45-56. Ref. 1963. 464.9 R662  
English summary.
- 99591 GUENGERICH, H. W., and MILLIKAN, D. F. Heat therapy as a method for obtaining virus-free clones of apple. *Plant Dis. Rptr.* 48(5):343. May 15, 1964. 1.9 P69P
- 99592 HAKKAART, F. A. Description of symptoms and assessment of loss caused by some viruses in the carnation cultivar "William Sim." *Tijdschr. over Plantenziekten* 70(2):53-60. 1964. 464.8 T44
- 99593 HARPAZ, I., and KLEIN, M. Polyphenoloxidase activity in healthy maize plants and in those infected by the maize rough dwarf virus (MRDV). *Experientia* 20(5):274-275. May 15, 1964. 475 Ex7
- 99594 HEROLD, F. Natural infection of *Impatiens sultani* with cucumber mosaic virus. *Plant Dis. Rptr.* 48(8):603-605. Ref. Aug. 15, 1964. 1.9 P69P
- 99595 HILDEBRAND, E. M. Heat treatment for eliminating internal cork viruses from sweetpotato plants. *Plant Dis. Rptr.* 48(5):356-358. May 15, 1964. 1.9 P69P
- 99596 HIRAI, T., and HIRAI, A. Tobacco mosaic virus: cytological evidence of the synthesis in the nucleus. *Science* 145(3632):589-591. Aug. 7, 1964. 470 Sci2
- 99597 HIRUKI, C. Mechanical transmission of tobacco stunt virus. *Virology* 23(2):288-290. June 1964. 448.8 V81
- 99598 HOLLANDER, P. A. DEN. Vine killing, leaf cracking, and leaf plucking in potatoes. (Du) *Pootaardappelhandel* 17(11):17-18. June 1964. 286.83 P79  
For control of virus diseases and Rhizoctonia.
- 99599 HOLLINGS, M. Virus diseases of cultivated mushroom. *Commonwealth Phytopath. News* 10(2):21-24. Apr. 1964. 464.8 C73
- 99600 HOYMAN, W. G. Red Pontiac vine and tuber yields as affected by virus X. *Amer. Potato J.* 41(7):208-211. Ref. July 1964. 75.8 P842
- 99601 HRSEL, I., and BRCAK, J. Ultrastructural changes in chloroplasts and cytoplasm caused by local infection of tobacco with tobacco mosaic virus and cucumber virus 4. *Virology* 23(2):252-258. Ref. June 1964. 448.8 V81
- 99602 IKAHEIMO, K. Host plants of wheat striate mosaic virus and oat sterile dwarf virus. *Ann. Agr. Fenn.* 3(2):133-138. Ref. 1964. 20 An7
- 99603 JONES, A. L. Prevalence of stony pit virus in Bosc pears in western New York State. *Plant Dis. Rptr.* 48(5):385-387. May 15, 1964. 1.9 P69P
- 99604 JONSSON, E. Seed potatoes. (Sw) *Jord-Groda-Djur* 20:84-90. 1964. 11 J763  
Chiefly on the control of virus and fungus diseases.
- 99605 JOSIFOVIC, M., and DELEVIC, B. Chlorosis of leaves of peaches; a new virus disease in Yugoslavia. (Se) *Zastita Bilja* 75:475-483. 1963. 464.8 Z1  
French summary.
- 99606 KAZIMIERSKI, T., and KAZIMIERSKA, E. M. Influence of virus diseases on the sporogenesis and gametogenesis in perennial lupine. (Pol) *Poznan. Inst. Ochrońy Roslin. B.* 24:127-130. 1963. 464.9 P87  
English summary.
- 99607 KIRALY, Z., and SZIRMAI, J. The influence of kinetin on tobacco mosaic virus production in *Nicotiana glutinosa* leaf disks. *Virology* 23(2):286-288. June 1964. 448.8 V81  
Used in conjunction with adenine and thiouacil.
- 99608 KIRKPATRICK, H. C., CHENEY, P. W., and LINDNER, R. C. Mechanical transmission of plum line pattern virus. *Plant Dis. Rptr.* 48(8):616-618. Aug. 15, 1964. 1.9 P69P
- 99609 KISHI, K., and TANAKA, S. Studies on the indicator plants for citrus viruses. II. Mechanical transmission of the virus, causing Satsuma dwarf, to sesame (*Sesamum indicum* L.). (Ja) *Phytopath. Soc. Japan. Ann.* 29(3):142-148. Ref. May 1964. 464.9 P562  
English summary.
- 99610 KNUTSON, K. W., and BISHOP, G. W. Potato leafroll virus—effect of date of inoculation on percent infection and symptom expression. *Amer. Potato J.* 41(8):227-238. Ref. Aug. 1964. 75.8 P842
- 99611 KOMURO, Y., and IWAKI, M. On the mosaic disease of Chinese bellflower (*Platycodon grandiflorum*) caused by cucumber mosaic virus. (Ja) *Phytopath. Soc. Japan. Ann.* 29(3):167-168. May 1964. 464.9 P562  
English summary.



- 99612 KOZLOWSKA, A. Variation in sulfhydryl concentration during virus X development in tobacco leaves. *Phytopath. Z.* 48(1):73-81. Ref. July 1963. 464.8 P562
- 99613 KSIAZEK, D. Negative selection of plants in the control of "narrow leaf" in yellow lupine. (Pol) *Ochroa Roslin* 7(12):8-12. Dec.1963. 464.8 Oc32  
Caused by a virus.
- 99614 KSIAZEK, D. A severe "narrow leaf" disease of yellow and narrow-leaved lupine. (Pol) *Ochroa Roslin* 6(5):9-15. Sept./Oct.1962. 464.8 Oc32  
Caused by a virus.
- 99615 KSIAZEK, D. A virus causing the greening of clover blossom. (Pol) *Ochroa Roslin* 7(11):1-3. Nov.1963. 464.8 Oc32
- 99616 KSIAZEK, D. Virus diseases of alfalfa and sweetclover. (Pol) *Ochroa Roslin* 8(3):18-22. Mar.1964. 464.8 Oc32
- 99617 KSIAZEK, D. Virus diseases of lupines: browning. (Pol) *Ochroa Roslin* 6(6):6-14. Nov./Dec. Noc./Dec.1962. 464.8 Oc32
- 99618 KSIAZEK, D. Virus diseases of onions. (Pol) *Ochroa Roslin* 8(1):9-13. Jan.1964. 464.8 Oc32
- 99619 KSIAZEK, J. Serological methods and test plant methods in the diagnosis of viruses of potatoes. (Pol) *Ochroa Roslin* 7(11):9-12. Nov.1963. 464.8 Oc32
- 99620 KUHN, C. W. Purification, serology, and properties of a new cowpea virus. *Phytopathology* 54(7):853-857. Ref. July 1964. 464.8 P56
- 99621 LEBEURIER, G. Action of super and infra-optimal temperatures on the multiplication of the mosaic virus of tobacco in the discs of immersed tobacco leaves; study of the viral development. (Fr) *Acad. des Sci. Compt. Rend.* 258(26):6579-6582. June 29,1964. 505 P21
- 99622 LEE, P. E. Electron microscopy of inclusions in plants infected by wheat striate mosaic virus. *Virology* 23(2):145-151. Ref. June 1964. 448.8 V81
- 99623 LEGG, J. T., and ORMEROD, P. J. The association of split-leaf blotch virus with nettlehead disease of hops. *Ann. Appl. Biol.* 53(3):403-406. June 1964. 442.8 An72
- 99624 LEGG, J. T. Hop line-pattern virus in relation to the etiology and distribution of nettlehead disease. *Ann. Appl. Biol.* 53(3):389-401. Ref. June 1964. 442.8 An72
- 99625 LESKOVA, O. Pathological changes in the vascular bundles of white clover infected with clover dwarf virus. (Cz) *Biologia [Bratislava]* 18(12):924-927. 1963. 442.8 B5265  
German summary.
- 99626 LI, Y. Y. Investigations on the enzyme activity of healthy bean plants and of bean plants infected with southern bean mosaic virus (SBMV) and the legume race of tobacco mosaic virus (LTMV). (Ge) *Phytopath. Z.* 49(3):303-310. Ref. Jan.1964. 464.8 P562  
English summary.  
East Germany.
- 99627 LINDEGREN, C. C., and BANG, Y. N. Origin from mitochondria of the double-walled viral membrane in *Saccharomyces*. *Nature [London]* 203(4943):431-432. July 25,1964. 472 N21
- 99628 LORTIE, M. Revue de nomenclature and classification of plant viruses. (Fr) *Nat. Canad.* 90(8/9):193-209. Ref. Aug./Sept.1963. 410 N216
- 99629 MCGUIRE, J. M. Efficiency of *Xiphinema americanum* as a vector of tobacco ringspot virus. *Phytopathology* 54(7):799-801. Ref. July 1964. 464.8 P56
- 99630 MARENAUD, C. Virus diseases of fruit trees. (Fr) *Pepinieristes Hort. Maraichers* 44:1799-1805. Feb.1964. 80 P39
- 99631 MATSUI, C., and YAMAGUCHI, A. Electron microscopy of host cells infected with tobacco etch virus. II. Fine structures of leaf cells before and after the appearance of external symptoms. *Virology* 23(3):346-353. July 1964. 448.8 V81  
In *Datura stramonium*.
- 99632 MENON, R. Transmission of yellow leaf disease. *Phytopath. Z.* 48(1):82-88. July 1963. 464.8 P562  
Assumed to be virus disease of *Areca catechu*.
- 99633 NAGAICH, B. B., LAL, S. B., and UPRETI, G. C. Hairy sprout disease of potatoes. *Indian Potato J.* 5(2):71-75. Oct.1963. 75.8 In2  
Also includes witch's broom and leaf roll viruses, as storage diseases.
- 99634 NURMISTE, B. On the transformation (recombination) of the so-called N-virus on the species *Solanum demissum*. (Rus) *Akad. Nauk Estonskoi SSR, Izv. Ser. Biol.* 3:183-189. 1963. 442.9 Ak18  
English summary.
- 99635 PARKER, K. G., BRASE, K. D., and SCHMID, G. Stony pit virus disease of pear in New York State. *Plant Dis. Rptr.* 48(5):382-384. May 15, 1964. 1.9 P69P
- 99636 PINE, T. S. Mule's ear disease of peach in Colorado. *Plant Dis. Rptr.* 48(7):586-587. July 15,1964. 1.9 P69P  
Probably a virus disease.
- 99637 PROTA, U. About a probable virus disease observed in Sardinia on apple trees "Miali." (It) *Studi Sassaresi. Sez. III*, 10:115-136. Ref. 1962, pub.1963. 507 Sa7Sa  
English summary.
- 99638 RAPPAPORT, I., WILDMAN, S. G., and FURU-MOTO, W. Inactivation of duonol-treated tobacco mosaic virus with rabbit antiserum. *Virology* 23(3):389-393. Ref. July 1964. 448.8 V81
- 99639 RAUWS, A. G., JASPARS, E. M. J., and VELD-STRAL, H. The base composition of ribonucleic acids from alfalfa mosaic virus components. *Virology* 23(2):283-286. Ref. June 1964. 448.8 V81  
On tobacco.
- 99640 REDDI, K. K. Studies on the formation of tobacco mosaic virus ribonucleic acid. V. Presence of tobacco mosaic virus in the nucleus of the host cell. *Natl. Acad. Sci. Proc.* 52(2):397-401. Ref. Aug.1964. 500 N21P  
In tobacco.
- 99641 RICHTER, J. Experiments with mechanical transmission and identification of raspberry viruses. (Ge) *Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. II, Natwiss.* 118(1):1-15. Ref. June 19,1964. 448.3 C33  
English summary.  
East Germany.
- 99642 ROBB, S. M. Location, structure, and cytochemical staining reactions of the inclusion bodies found in *Dahlia variabilis* infected with dahlia mosaic virus. *Virology* 23(2):141-144. Ref. June 1964. 448.8 V81
- 99643 ROSENKRANZ, E., and HAGEDORN, D. J. Techniques for using *Chenopodium amaranticolor* as a local-lesion test plant for Wisconsin pea streak virus. *Phytopathology* 54(7):807-814. Ref. July 1964. 464.8 P56
- 99644 RUBIN, B. A., and ZELENNEVA, I. V. Changes in the activity of cytochrome oxidase and peroxidase in the leaves of cucumbers infected with the virus of cucumber mosaic. (Rus) *Akad. Nauk SSSR. Dok.* 157(3):720-722. Ref. 1964. 511 P444A
- 99645 RYDER, E. J. Transmission of common lettuce mosaic virus through the gametes of the lettuce plant. *Plant Dis. Rptr.* 48(7):522-523. July 15, 1964. 1.9 P69P
- 99646 SCHUMANN, K. Investigations on the characterization and identification of the causal organism of *Digitalis* mosaic. I. Tobacco mosaic virus (*Marmor tabaci* H.). (Ge) *Phytopath. Z.* 48(1):1-28. Ref. July 1963. 464.8 P562  
English summary.
- 99647 SEHGAL, O. P., and BOONE, D. M. Amino acid and amide content of healthy and multiplier disease-affected strawberry plants. *Phytopathology* 54(7):775-778. Ref. July 1964. 464.8 P56  
Virus-incited.
- 99648 STRETCH, A. W. The present status of blueberry viruses in New Jersey. *N. J. Agr. Expt. Sta. Annu. Blueberry Open House. Proc.* 31:5. 1963. 94.35 N46A



- 99649 STRUGESS, O. W. The sterile cultivation of excised cane roots infected with ratoon stunting disease. Queensland. Bur. Sugar Expt. Sta. Tech. Commun. 1/5:29-38. 1964. 65.9 Q3T
- 99650 STUBBS, J. D., and KAESBERG, P. A protein subunit of bromegrass mosaic virus. J. Molecular Biol. 8(2):314-323. Ref. Feb.1964. 442.8 J8224
- 99651 STURGEES, O. W. Studies with chlorotic streak disease of sugar cane. XI. The sterile cultivation of roots excised from diseased and healthy nodes. Queensland. Bur. Sugar Expt. Sta. Tech. Commun. 1/5:17-27. 1964. 65.9 Q3T
- 99652 STURGEES, O. W. Studies with chlorotic streak disease of sugar cane. XII. Additional factors affecting transmission and the probable existence of a soil-borne vector. Queensland. Bur. Sugar Expt. Sta. Tech. Commun. 1/5:39-44. Ref. 1964. 65.9 Q3T
- 99653 STURGEES, O. W. Studies with chlorotic streak disease of sugar cane. XIII. Results from the thermotherapy of diseased cane. Queensland. Bur. Sugar Expt. Sta. Tech. Commun. 1/5:45-55. Ref. 1964. 65.9 Q3T
- 99654 SUNDERLAND, D. W., and MERRETT, M. J. Adenosine diphosphate and adenosine triphosphate concentrations in leaves showing necrotic local virus lesions. Virology 23(2):274-276. June 1964. 448.8 V81  
Tobacco mosaic virus in *Nicotiana glutinosa*.
- 99655 SUTIC, D., and DJORDJEVIC, B. Effect of 5-fluorouracil on antigenic properties of tobacco mosaic virus. Nature [London] 203(4943):434-435. Ref. July 25, 1964. 472 N21
- 99656 TAHAMA, Y. Studies on the dwarf disease of mulberry tree. IX. Recovery from disease due to low temperature in winter and mechanism of the appearance of disease symptom. (Ja) Phytopath. Soc. Japan. Ann. 29(3):137-141. May 1964. 464.9 P562  
English summary.
- 99657 TAHON, J. Discovery in Belgium of plants of *Trifolium repens* injured by phylloxy. (Fr) Parasitica 19(4):172-175. 1963. 464.8 P21  
English summary.
- 99658 TAPIO, E. Virus disease on leguminous plants. (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:202-211. 1964. 64.9 F49  
English summary.  
Clover.
- 99659 TASMANIA. DEPT. OF AGRICULTURE. PLANT PATHOLOGY DIV. Green crinkle or boron deficiency. Tasmanian J. Agr. 35(2):130-132. May 1964. 23 T182T  
Apples.
- 99660 UPRETI, G. C., and NAGAICH, B. B. Two new hosts of potato virus X. Indian Potato J. 5(2):102-104. Oct.1963. 75.8 In2  
*Ipomea purpurea* and *Chenopodium quinoa*.
- 99661 VANDERVEKEN, J. Tobacco rosette in Kaniama (Leopoldville, Congo). (Fr) Rev. Internatl. des Tabacs 39(373):77,86. Apr.1964. 69.8 R324  
Virus disease.
- 99662 VENEKAMP, J. H., and MOSCH, W. H. M. Chromatographic studies on plant viruses. III. The purification of potato virus X, potato virus Y, tobacco mosaic virus and potato stem mottle virus by chromatography on cellulose columns with polyethylene glycol-containing solutions as solvents. Virology 23(3):394-402. July 1964. 448.8 V81
- 99663 VENEKAMP, J. H., and MOSCH, W. H. M. Chromatographic purification of plant viruses on cellulose columns with polyethylene glycol containing solutions as solvents. Tijdschr. over Plantenziekten 70(3):85-89. 1964. 464.8 T44
- 99664 VOGEL., and BOVE, J. M. Citrus virus diseases in some South American countries. I. Brazil. (Fr) Fruits 19(6):328-350, map. June 1964. 80 F9492  
English summary, p.362.
- 99665 VOGEL, R., and BOVE, J. M. Stem pitting on sour orange and on Tarocco sweet orange in Corsica: a virus disease. (Fr) Fruits 19(5):269-274. May 1964. 80 F9492  
English summary, p.288.
- 99666 WEERARATNE, V., and RICH, A. E. Effect of plant growth regulators on the infectivity of tobacco mosaic virus. Canad. J. Bot. 42(7):885-889. July 1964. 470 C16C
- 99667 WEINTRAUB, M., and RAGETLI, H. W. J. Electron microscopy of chloroplast fragments in local lesions of TMV-infected *Nicotiana glutinosa*. Phytopathology 54(7):870-871. July 1964. 464.8 P56
- 99668 ZAJAC, Z. Air temperature and callose formation in potato tubers infected with the leaf roll virus. Phytopath. Z. 48(1):89-95. July 1963. 464.8 P562

#### Diseases Caused by Nematodes

- 99669 ABREGO, L. Progress in the control of nematodes in nurseries. (Sp) Santa Tecla. Inst. Salvadoreno de Invest. del Cafe. B. Inform. 51:3-5. Aug.1963. 68.29 Sa5B  
Tests with various nematocides for coffee.
- 99670 AHLBERG, O. Investigation on the potato root eelworm *Heterodera rostochiensis* Woll. III. Control trials. Sweden. Stat. Vaxtskyddsanst. Meddel. 12(96):315-356. Ref. 1964. 464.9 Sw3M
- 99671 ALEXANDER, P. M. Nematode and fairy ring control on Tifgreen Bermuda. Golf Course Rptr. 32(5):12-14. May 1964. 60.18 G83  
South Carolina.  
Fairy ring caused by *Lepiota* sp.
- 99672 BIRAT, R. B. S. Some preliminary observations on bionomics of root-knot nematodes, *Meloidogyne* spp. (Nematoda: Heteroderidae). J. Biol. Sci. 6(2):29-34. Ref. Dec.1963. 442.8 J827  
Pathogenicity to vegetables in India.
- 99673 BIRD, A. F. Serological studies on the plant parasitic nematode, *Meloidogyne javanica*. Expt. Parasitol. 15(4):350-360. Ref. Aug.1964. 436.8 Ex7
- 99674 BRZESKI, M., and ZABOKLICKI, W. Attempts to control *Ditylenchus dipsaci* (Kuhn.) in onions with the use of *Metasystox*. (Pol) Poznan. Inst. Ochrony Roslin. B. 21:179-183. 1963. 464.9 P87  
English summary.
- 99675 BRZESKI, M., and RAJEWSKI, M. Migration and perpendicular distribution of *Ditylenchus dipsaci* (Kuhn.) in seed-bearing stems in onions. (Pol) Poznan. Inst. Ochrony Roslin. B. 21:129-135. 1963. 464.9 P87  
English summary.
- 99676 CASTANER, D. Nematode populations in corn plots receiving different soil amendments. Iowa Acad. Sci. Proc. 70:107-113. Ref. 1963. 500 Io93
- 99677 CAYROL, J. C. Nematodes in horticulture. (Fr) Rev. Hort. 136(2257):606-610. Ref. Jan./Feb.1964. 80 R32
- 99678 CHERBLANC, G., and COPPENET, M. Nematodes or nutritional diseases of barley? (Fr) Phytoma 16(156):36-39. Mar.1964. 464.8 P563
- 99679 CHU, H. T., and HU, C. H. The investigation of nematode-trapping fungi and predaceous nematode in Taiwan. (Ch) Taiwan Sugar Expt. Sta. Rpt. 35:133-140. Mar.1964. 65.9 F76R  
English summary.  
*Rhabditis* sp. as test nematode.
- 99680 COLBRAN, R. C. Studies of plant and soil nematodes. 6. Two new species from citrus orchards. Queensland J. Agr. Sci. 20(4):469-474. Dec.1963. 23 Q37  
*Hemicyclophora nudata* and *Criconea australis*.
- 99681 DERN, R. Injuries from the leaf nematode (*Aphelenchoides ritzemabosi*) to *Ficus elastica* and *Rodgerisia aesculifolia*. (Ge) Anz. f. Schadlingsk. 36(3):42-44. Mar.1963. 421 An9  
English summary.  
Probably introduced via infected soils.
- 99682 EDWARD, J. C., and others. Survey of plant parasitic nematodes of farm soils of the Allahabad Agricultural Institute. Allahabad Farmer 37(6):1-8. Ref. Nov.1963. 22 AL5  
S. L. Misra, Z. Naim, and R. A. Singh, joint authors.



- 99683 ESSER, R. P. Plant parasitic nematodes associated with Sabal palmetto on virgin land in the Florida Everglades. Plant Dis. Rptr. 48(7): 533. July 15, 1964. 1.9 P69P
- 99684 FELDMAN, J. M., and PONTIS, R. E. Xiphinema index in vineyard soils in Mendoza, Argentina. Plant Dis. Rptr. 48(5):373-374. May 15, 1964. 1.9 P69P
- 99685 FELDMESSER, J., and others. Chemicals evaluated for control of plant-parasitic nematodes. U. S. Agr. Res. Serv. ARS-34,44 p. Ref. Apr. 1964. A64.9 R31A  
M. Beroza, R. V. Rebois, A. L. Taylor, E. M. Osborne, and T. S. Golden, joint authors.
- 99686 GIEBEL, J., and RADZIWINOWICZ, J. Effect of some plants with cumarins and anthocyanins contents on the golden nematode [Heterodera rostochiensis] development. (Pol) Poznan. Inst. Ochrony Roslin B. 21:161-164. 1963. 464.9 P87  
English summary.
- 99687 GIEBEL, J. Effect of some soil fungi on emergence of golden nematode [Heterodera rostochiensis] larvae. (Pol) Poznan. Inst. Ochrony Roslin. B. 21:157-160. Ref. 1963. 464.9 P87  
English summary.
- 99688 GT. BRIT. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Potato tuber eelworm [Ditylenchus dipsaci]. Gt. Brit. Min. Agr. Fisheries & Food. Adv. L. 372, rev., 3 p. May 1964. 10 G79La
- 99689 GUEVARA POZO, D., and TOBAR JIMENEZ, A. Plant parasitic nematodes of the Granada Plain. (Sp) Rev. Iberica de Parasitol. 23(3/4):347-368. (Cont.) July/Dec. 1963. 436.8 R32
- 99690 HASHIOKA, Y. The rice stem nematode Ditylenchus angustus in Thailand. FAO Plant Protect. B. 11(5):97-102. Oct. 1963. 421 P692
- 99691 HOFF, J. K., and MAI, W. F. Comparison of heat and quick freezing for relaxing nematodes prior to permanent mounting. Phytopathology 54(7):869. July 1964. 464.8 P56
- 99692 INGUNZA S., M. A. Coffee root knot nematode (Meloidogyne exigua Goeldi, 1887). (Sp) Cafe Peruano 14:4-7. Dec. 1963. 68.28 C118
- 99693 JAROWAJA, N. Preliminary investigations on fungi-natural enemies of nematodes. (Pol) Poznan. Inst. Ochrony Roslin. B. 21:189-196. 1963. 464.9 P87  
English summary.
- 99694 JENSEN, H. J., and ALLEN, T. C. Transmission of tobacco rattle virus by a stubby-root nematode, Trichodorus allius. Plant Dis. Rptr. 48(5):333-334. May 15, 1964. 1.9 P69P
- 99695 JOHNSON, W. A., WARE, L. M., and CAIRNS, E. J. Rootknot control practices in bush beans and mustard. Highlights Agr. Res. [Ala. Sta.] 11(3):7. Fall 1964. 100 AL1H  
Nematodes.
- 99696 JUHL, M. Experiments with control of some nematodes by means of sugar. (Da) Tidsskr. f. Planteavl 67(3):474-481. 1963. 11 T439  
English summary.
- 99697 KIR'YANOVA, E., and KRALL, E. The Estonian cyst-forming nematode—Heterodera estonica n. sp. (Nematodes: Heteroderidae). (Rus) Akad. Nauk Estonskoi SSR. Izv. Ser. Biol. 3: 219-223. 1963. 442.9 Ak18  
English summary.  
Collected from soil around the plant roots.
- 99698 KNIERIM, J. A. A soil fumigation test in relation to the cherry replant problem. Mich. Agr. Expt. Sta. Q. B. 46(4):527-532. Ref. May 1964. 100 M58S  
To control Pratylenchus penetrans and Xiphinema americanum.
- 99699 KORT, J., DANTUMA, G., and ESSEN, A. VAN. On biotypes of the cereal-root eelworm (Heterodera avenae) and resistance in oats and barley. Tijdschr. over Plantenziekten 70(1):9-17, map. Ref. 1964. 464.8 T44
- 99700 KOZLOWSKA, J. Comparison of different kinds of filters used for nematodes filtration. (Pol) Poznan. Inst. Ochrony Roslin. B. 21:197-201. 1963. 464.9 P87  
English summary.
- 99701 KUBISCH, A. Mechanical method of taking soil samples for potato nematode [Heterodera rostochiensis] cysts detection in the German Democratic Republic. (Pol) Ochrone Roslin 7 (6):32-33. June 1963. 464.8 Oc32
- 99702 LHERAULT, P. The potato nematode [Heterodera rostochiensis]. (Fr) Journees Internatl. des Fruits et Legumes. Compt. Rend. des Conf. Prononcees 2:81-84. Apr. 20/23, 1963. 93.09 J824  
Chiefly control.
- 99703 MCBETH, C. W., WHITE, L. V., and ICHIKAWA, S. T. A new residual nematocide: 2,4-dichlorophenyl methanesulfonate. Plant Dis. Rptr. 48(8):634-635. Aug. 15, 1964. 1.9 P69P
- 99704 MCKENNA, L. A., and WINSLOW, R. D. The effects of various infestation techniques on the development of the potato root eelworm [Heterodera rostochiensis], with observations on the length of the life cycle in a heated glasshouse. North. Ireland. Min. Agr. Res. & Expt. Rec. 12(2):97-101. 1962, pub. 1964. 10 N81R
- 99705 MYGIND, H. The occurrence of the potato root nematode [Heterodera rostochiensis] in Denmark; annual reports. (Da) Tidsskr. f. Planteavl 68(1):145-152, map. 1964. 11 T439  
English summary.
- 99706 PIEGAT, M. Results of preliminary anatomical and cytological investigations on the nature of potato resistance to the golden nematode (Heterodera rostochiensis Woll.). (Pol) Poznan. Inst. Ochrony Roslin. B. 21:137-144. 1963. 464.9 P87  
English summary.
- 99707 RADZIWINOWICZ, J. Some problems concerning nematodes Heteroderidae Skarbilowicz 1947. (Pol) Poznan. Inst. Ochrony Roslin. B. 21:209-228. Ref. 1963. 464.9 P87  
English summary.  
Pests of plants; includes control.
- 99708 RHOADES, H. L. Effect of hot water treatment of seed tubers and soil fumigation for control of root knot on yield of Caladiums. Plant Dis. Rptr. 48(7):568-571. July 15, 1964. 1.9 P69P  
Meloidogyne incognita on Caladium bicolor.
- 99709 ROGUSKA-WASILEWSKA, L. Variations in numbers of nematofauna in alfalfa during the annual cycle. (Pol) Poznan. Inst. Ochrony Roslin. B. 21:171-177. 1963. 464.9 P87  
English summary.
- 99710 ROSE, A. D. D. Chemical control of Heterodera schachtii Schmidt; fumigation (with DD) has not nematocidal efficacy but positive disinfestant effect on soil. (It) Indus. Sac. Ital. 56 (9/10):224-230. Sept./Oct. 1963. 65.8 In23  
English summary.  
Sugar beet.
- 99711 RUEHLE, J. L., and SASSER, J. N. Additional data on results of nematocidal fumigation in pine plots in North Carolina. Plant Dis. Rptr. 48(7):534-536. July 15, 1964. 1.9 P69P
- 99712 SANDNER, H. Trends in the development of contemporary nematology. (Pol) Poznan. Inst. Ochrony Roslin. B. 21:1-26. Ref. 1963. 464.9 P87  
English summary.  
Plant nematodes and their control.
- 99713 SCOGNAMIGLIO, A. Nematodes injurious to vegetable culture. (It) Agricoltura 13(5):76-79. May 1964. 16 Ag8226
- 99714 SCOGNAMIGLIO, A. Nematological research in forest nurseries of Abruzzo. (It) Prog. Agr. [Bologna] 10(5):513-522. May 1964. 58.8 P94
- 99715 SMART, G. C. Additional hosts of the soybean cyst nematode, Heterodera glycines, including hosts in two additional plant families. Plant Dis. Rptr. 48(5):388-390. Ref. May 15, 1964. 1.9 P69P  
Caryophyllaceae and Scrophulariaceae.
- 99716 SMART, G. C. Physiological strains and one additional host of the soybean cyst nematode, Heterodera glycines. Plant Dis. Rptr. 48(7): 542-543. July 15, 1964. 1.9 P69P  
Penstemon digitalis.

- 99717 STACHERSKA, B. A root nematode [Meloidogyne hapla] dangerous for scorzonera. (Pol) Ochrona Roslin 8(1):20-22. Jan. 1964. 464.8 Oc32
- 99718 STEELE, A. E. Efficacy of an extract from seaweed and certain land plant tissues for controlling the sugarbeet nematode, *Heterodera schachtii*. Plant Dis. Rptr. 48(5):396. May 15, 1964. 1.9 P69P
- 99719 SUIT, R. F., and FELDMAN, A. W. Further tests with DBCP for control of spreading decline of citrus trees caused by the burrowing nematode, *Radopholus similis*. Plant Dis. Rptr. 48(7):544-547. July 15, 1964. 1.9 P69P
- 99720 SYMPOZJUM NEMATOLOGII, POZNAN, 1963. Referaty [Papers]. Poznan, 1963. 228 p. Ref. 464.9 P87  
English summaries.  
On nematode pests of plants and their control.
- 99721 SZCZOTKA, Z., and WILSKI, A. Investigations on the invasion and development of the golden nematode (*Heterodera rostochiensis* Woll.) larvae in roots of susceptible and resistant potato plants. (Pol) Poznan. Inst. Ochrony Roslin. B. 21:145-155. Ref. 1963. 464.9 P87  
English summary.
- 99722 SZCZYGIEL, A. Aphelenchoides fragariae and A. ritzema-bosi, dangerous strawberry pests. (Pol) Ochrona Roslin 7(5):8-12. May 1963. 464.8 Oc32
- 99723 SZCZYGIEL, A. The occurrence and harmfulness of leaf and bud nematodes (Aphelenchoides fragariae and A. ritzema-bosi) on strawberries in southern Poland. (Pol) Poznan. Inst. Ochrony Roslin. B. 21:109-116. 1963. 464.9 P87  
English summary.
- 99724 SZCZYGIEL, A. Review of methods for extracting nematodes from soil and plants. (Pol) Poznan. Inst. Ochrony Roslin. B. 21:83-107. Ref. 1963. 464.9 P87  
English summary.
- 99725 TARJAN, A. C. Distribution of plant-parasitic nematodes on citrus and other crops in Puerto Rico. Plant Dis. Rptr. 48(5):375-378, map. Ref. May 15, 1964. 1.9 P69P
- 99726 THOMASON, I. J., and others. Onion yield increases following application of nematocides to control stubby-root, root-knot and lesion nematodes. Plant Dis. Rptr. 48(5):409-413. May 15, 1964. 1.9 P69P  
J. D. Radewald, N. C. Welch, and H. E. McKinney, joint authors.  
*Trichodorus christiei*, *Meloidogyne hapla* and *Pratylenchus scribneri*.
- 99727 TOBAR JIMENEZ, A. The behaviour of a soil population and some plant parasitic nematodes in the processes of extraction of five different methods. Rev. Iberica de Parasitol. 23(3/4):285-314. Ref. July/Dec. 1963. 436.8 R32  
*Paratylenchus*, *Helicotylenchus*, and *Tylenchus* spp.
- 99728 WEBSTER, J. M. Population increase of *Ditylenchus dipsaci* (Kuhn) in the Narcissus and the spread of the nematode through the soil. Ann. Appl. Biol. 53(3):485-492. Ref. June 1964. 442.8 An72
- 99729 WILSKI, A. Nematodes in plant protection. (Pol) Poznan. Inst. Ochrony Roslin. B. 21:27-45. Ref. 1963. 464.9 P87  
English summary.
- 99730 WILSKI, A. Remarks on the possibility of dissemination of *Ditylenchus dipsaci* (Kuhn) Filipiev through onion seeds. (Pol) Ochrona Roslin 7(5):1-3. May 1963. 464.8 Oc32
- 99731 WILSKI, A. Washing potatoes as a method used in Scotland to remove potato nematode (*Heterodera rostochiensis* Woll.) cysts. (Pol) Ochrona Roslin 6(5):15-17. Sept./Oct. 1962. 464.8 Oc32
- 99732 WINCHESTER, J. A., and BURT, E. O. The effect and control of sting nematodes [*Belonolaimus longicaudatus*] on Ormond Bermuda grass. Plant Dis. Rptr. 48(8):625-628. Aug. 15, 1964. 1.9 P69P
- 99733 ANDERSON, M. C. Studies of the woodland light climate. I. The photographic computation of light conditions. J. Ecol. 52(1):27-41. Ref. Mar. 1964. 450 J829
- 99734 BALATOVA-TULACKOVA, E. Dependence of some Magnocaricetalia and Molinietales associations upon the buffering action of their soils (Ge) Biologia [Bratislava] 18(10):713-729. Ref. 1963. 442.8 B5265
- 99735 BIRKEBAK, R., and BIRKEBAK, R. Solar radiation characteristics of tree leaves. Ecology 45(3):646-649. Ref. Summer 1964. 410 Ec7
- 99736 BLISS, L. C., and COX, G. W. Plant community and soil variation within a northern Indiana prairie. Amer. Midland Nat. 72(1):115-128. Ref. July 1964. 410 M58  
Chiefly grasses.
- 99737 BOER, T. A. DE. Agronomical evaluation of meadows according to their botanical composition. (Fr) Fourrages 16:9-14. Dec. 1963. 60.8 F82
- 99738 BORZA, A. Plant associations of the Rumanian Carpathians. (Ge) Biologia [Bratislava] 18(11):856-864. 1963. 442.8 B5265
- 99739 BRINK, V. C. Plant establishment in the high snowfall alpine and subalpine regions of British Columbia. Ecology 45(3):432-438. Ref. Summer 1964. 410 Ec7
- 99740 BUCKMAN, R. E. Effects of prescribed burning on hazel [*Corylus* spp.] in Minnesota. Ecology 45(3):626-629. Summer 1964. 410 Ec7
- 99741 BUDOWSKI, G. Holdridge's world classification of life zones—a reappraisal. Turrialba 14(2):96-100. Apr./June 1964. 8 T86  
Plants.
- 99742 BUTORINA, T. N. Ecological and coenological analysis of shrub-grass storey of forest associations. (Rus) In Smagin, V. N., ed. Tipy lesov Sibiri, p.30-51. Ref. 1963. 99.25 Sm1
- 99743 CAMPBELL, C. J., and DICK-PEDDIE, W. A. Comparison of phreatophyte communities on the Rio Grande in New Mexico. Ecology 45(3):492-502, map. Ref. Summer 1964. 410 Ec7
- 99744 CARTER, J. L. Plant communities of the loess bluffs of northwestern Iowa. Iowa Acad. Sci. Proc. 70:45-50. 1963. 500 I93
- 99745 CATANA, A. J. A distribution-free method for the determination of homogeneity in distance data. Ecology 45(3):640-641. Summer 1964. 410 Ec7  
Used in phytosociological investigations.
- 99746 CHIAPPINI, M. Research on the littoral vegetation of Sardinia. III. (It) Studi Sassaesi. Sez. III, 10:137-148, map. 1962, pub. 1963. 507 Sa7Sa
- 99747 CHOU, C. C. The ecological habits of *Camellia*; research and investigation into the root systems and results of reclaimed land. (Ch) Lin Yeh K'o Hsueh 8(2/4):336-346. Apr./Oct. 1963. 99.8 L632
- 99748 COLLINS, E. A., MONK, C. D., and SPIELMAN, R. H. White-cedar [*Chamaecyparis thyoides*] stands in northern Florida. Fla. Acad. Sci. Q. J. 27(2):107-110. June 1964. 500 F66
- 99749 COMINS, D. M. The vegetation of the districts of East London and King William's Town, Cape Province. Repub. S. Afr. Dept. Agr. Tech. Serv. Bot. Surv. Mem. 33, 32 p., map. Ref. 1962. 460.46 So8
- 99750 DALE, H. M. Influence of soil on weed vegetation on a drained river millpond. Canad. J. Bot. 42(7):823-830. Ref. July 1964. 470 C16C
- 99751 DRAZHEVA, L. Hygrophyte and mesohygrophyte vegetation on the river course of Palakariya. (Bu) Bulgar. Akad. na Nauk. Bot. Inst. Izv. 12:203-226. Ref. 1963. 451 B87  
German summary.
- 99752 DUNBAR, M. J., ed. Marine distributions. Toronto, Univ. Toronto Press, 1963. 110 p., map. Ref. 409 D91  
A symposium.  
Includes algae.



- 99753 FLACCUS, E., and OHMANN, L. F. Old growth northern hardwood forests in northeastern Minnesota. *Ecology* 45(3):448-459, map. Ref. Summer 1964. 410 Ec7
- 99754 FREITAG, H. Einführung in die Biogeographie von Mitteleuropa unter besonderer Berücksichtigung von Deutschland [Introduction to the biogeography of central Europe with special reference to Germany]. -Stuttgart, Fischer, 1962. 214 p., map. Ref. 459 F88  
Ecology of plants, forests, and insects including fossils.
- 99755 FU, P. P. The feature of microclimate in undulating country. (Ch) *Acta Geog. Sinica* 29 (3):175-187. Sept. 1963. 331.8 T45  
English summary.
- 99756 GANCHEV, S., and KOCHEV, KH. Propagation of *Psilurus aristatus* (L.) Duv. Jouve. in northern Bulgaria. (Bu) *Bulgar. Akad. na Nauk. Bot. Inst. Izv.* 11:103-110, map. 1963. 451 B87  
French summary.  
Associations.
- 99757 GANCHEV, S. Vegetation of the orophyte zone of northwest Rila. (Bu) *Bulgar. Akad. na Nauk. Bot. Inst. Izv.* 12:5-99. Ref. 1963. 451 B87  
French summary.  
Ecology.
- 99758 GARFINKEL, D., and SACK, R. Digital computer simulation of an ecological system, based on a modified mass action law. *Ecology* 45(3): 502-507. Ref. Summer 1964. 410 Ec7  
Includes plants.
- 99759 GARTH, R. E. The ecology of Spanish moss (*Tillandsia usneoides*): its growth and distribution. *Ecology* 45(3):470-481, map. Ref. Summer 1964. 410 Ec7
- 99760 GEHU, J. M. A clover new to the French flora: *Trifolium occidentale* D. E. Coombe. (Fr) *Soc. Bot. de France. B.* 109(7/8):177-184, map. Oct./Nov. 1962. 451 F84B  
Ecology of the plant.
- 99761 GOLGOFSKAYA, K. YU. A contribution to the complex character of mountain vegetation: classification of the complexes. (Rus) *Bot. Zhur. [Moscow]* 49(6):786-798. Ref. June 1964. 451 R923  
English summary.
- 99762 GRANDTNER, M. M. The southern forests of Scandinavia and Quebec, an ecological comparison. Quebec. U. Laval. Fonds de Rech. For-est. Contrib. 10, 25 p., map. Ref. 1963. 99.9 Q362
- 99763 HACKETT, C. Ecological aspects of the nutrition of *Deschampsia flexuosa* (L.) Trin. I. The effect of aluminium, manganese and pH on germination. *J. Ecol.* 52(1):159-167. Ref. Mar. 1964. 450 J829
- 99764 HAGGETT, P. Towards a statistical definition of ecological range: the case of *Quercus suber*. *Ecology* 45(3):622-625, map. Ref. Summer 1964. 410 Ec7
- 99765 HENDRYCH, R. Ad floram dicionis oppidi Safarikovo in Slovacia materies critica. *Biol. Prace* 9(6), 63 p., map. Ref. 1963. 442.9 SL52  
German summary.
- 99766 HOWARD, W. E. Introduced browsing mammals and habitat stability in New Zealand. *J. Wildlife Mangt.* 28(3):421-429. Ref. July 1964. 410 J827
- 99767 IL'INSKAYA, S. A. Study of synusial structure of forest communities. (Rus) In Smagin, V. N., ed. *Tipy lesov Sibiri*, p. 5-29. Ref. 1963. 99.25 Sm1
- 99768 JACQUEMART, S. Missions S. Jacquemart dans les Pyrenees Orientales. 5. Contribution a l'ecologie des milieux arides [S. Jacquemart missions in the East Pyrenees. 5. Contributions to the ecology of arid regions]. *Inst. Roy. des Sci. Nat. de Belg. B.* 39(28), 19 p. Ref. Oct. 1963. 504 B835B  
Plant ecology.
- 99769 JEFFERIES, R. L., and WILLIS, A. J. Studies on the calcicole-calcifuge habit. I. Methods of analysis of soil and plant tissues and some results of investigations on four species. *J. Ecol.* 52(1):121-138. Ref. Mar. 1964. 450 J829
- 99770 KASSAS, M., and GIRGIS, W. A. Habitat and plant communities in the Egyptian desert. V. The limestone plateau. *J. Ecol.* 52(1):107-119, map. Ref. Mar. 1964. 450 J829
- 99771 KERANEN, T., and TAINIO, A. The effect of superphosphate and fine-ground rock phosphate on the botanical and chemical composition of hay. (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:9-16. 1964. 64.9 F49  
English summary.
- 99772 KOCHEV, H. On the spread and biology of *Poa silvicola* Guss. in Bulgaria. (Bu) *Bulgar. Akad. na Nauk. Bot. Inst. Izv.* 11:5-47, map. Ref. 1963. 451 B87  
English summary.
- 99773 KUHNEMANN, O. Penetration of *Macrocystis pyrifera* in the mouth of the Deseado River. (Sp) *Soc. Argentina de Bot. B.* 10(2/3):105-112, map. Oct. 1963. 451 Sol24
- 99774 KYDD, D. D. The effect of different systems of cattle grazing on the botanical composition of permanent downland pasture. *J. Ecol.* 52(1): 139-149. Mar. 1964. 450 J829
- 99775 LAUSI, D., and POLDINI, L. Il paesaggio vegetale della costiera triestina [Plant vegetation of the Trieste coast]. *Montpellier. Sta. Internatl. de Geobot. Mediter. et Alpine. Commun.* 161, 63 p., map. Ref. 1962. 451 M767  
German summary.  
Chiefly plant ecology.
- 99776 LODGE, R. W. Autecology of *Cynosurus cristatus* L. III-IV. *J. Ecol.* 52(1):43-61. Mar. 1964. 450 J829  
III, Germinability and seedling establishment; IV, Competitive ability and yield.
- 99777 MOLLOY, B. P. J. Soil genesis and plant succession in the subalpine and alpine zones of Torlesse Range, Canterbury, New Zealand. 2. Distribution, characteristics, and genesis of soils. *New Zeal. J. Bot.* 2(2):143-176. Ref. June 1964. 450 N48
- 99778 MOTT, N. The effect of the physiological acid and alkaline fertilizers on the plant composition of the meadows. (Ge) *Europe. Conf. For-age Prod. Natur. Grassland Mountain Reg. Proc.*, 1962 Conf.:155-163. 1963. 60.19 Eu72  
English summary.
- 99779 MUHAMMAD, W. Ecological adaptation of cotton plant in the lower Bari Doab Canal Colony, West Pakistan. *West Pakistan J. Agr. Res.* 1 (4):48-67. Ref. Sept./Dec. 1963. 22 W52
- 99780 NABATOV, N. M. Dynamics of the cover vegetation and its effect on the growth of planted pines. (Rus) *Bot. Zhur. [Moscow]* 49(5):669-677. Ref. May 1964. 451 R923  
Grasses and mosses in logged-off areas.
- 99781 NILSSON, F. Adjustment of plants. (Sw) *Jord-Groda-Djur* 20:14-24. 1964. 11 J763  
To environment.
- 99782 NIXON, E. S. Edaphic responses of *Lupinus texensis* and *Lupinus subcarnosus*. *Ecology* 45 (3):459-469, map. Ref. Summer 1964. 410 Ec7  
Texas.
- 99783 NOSOVA, L. I. A brief description of the tundra and forest-tundra vegetation in the area between the rivers Yana and Omoloy (Northern Yakutia). (Rus) *Bot. Zhur. [Moscow]* 49(5): 661-668, map. Ref. May 1964. 451 R923  
English summary.
- 99784 ODUM, H. T., and others. Experiments with engineering of marine ecosystems. *Tex. U. Inst. Mar. Sci. P.* 9:373-403. Ref. Dec. 1963. 442.9 T31  
W. L. Siler, R. J. Beyers, and N. Armstrong, joint authors.  
Includes algae.
- 99785 OOSTING, H. J., and LIVINGSTON, R. B. A resurvey of a loblolly pine [*Pinus taeda*] community twenty-nine years after ground and crown fire. *Torrey Bot. Club. B.* 91(5):387-395. Sept./Oct. 1964. 451 T63B
- 99786 PERSSON, E. Some new plant habitats in the Vikar limestone area. (Sw) *Bot. Not.* 117(1): 96. 1964. 450 B656

- 99787 PETRUSEWICZ, K. Activity of the Instytut Ekologii. (Pol) Nauka Polska 11(5):63-74. Ref. Sept/Oct.1963. 475 N223  
Includes research on plant and insect ecology.
- 99788 PLATT, R. B., and MCCORMICK, J. F. Manipulatable terrestrial ecosystems. Ecology 45 (3):649-650. Summer 1964. 410 Ec7  
Plant communities on rocks.
- 99789 RANWELL, D. S. *Spartina* salt marshes in southern England. II-III. J. Ecol. 52(1):79-105. Ref. Mar.1964. 450 J829  
II, Rate and seasonal pattern of sediment accretion; III, Rates of establishment, succession and nutrient supply at Bridgewater Bay, Somerset.
- 99790 RODIN, L. E., and BAZILEVICH, N. I. The biological productivity of the main types of vegetation of the Northern Hemisphere of the Old World. (Rus) Akad. Nauk SSSR. Dok. 157(1): 215-218. Ref. 1964. 511 P444A  
With reference to ecology.
- 99791 ROSENBERG, N. J., and ALLINGTON, R. W. A microclimate sampling system for field plot and ecological research. Ecology 45(3):650-655. Summer 1964. 410 Ec7
- 99792 ROWELL, C. M. Notes on the vegetation of the Mexican State of Morelos. SIDA 1(5):262-268. June 1964. 450 S11  
Ecology and classified list of species.
- 99793 RUSSELL, G. Attitudes in intertidal ecology. Biol. J. 3(2):49-54. Ref. Autumn 1963. 442.8 B5235  
Includes seaweeds.
- 99794 RUSYAEVA, G. G. Digression of pastures in sandy deserts of eastern Lake Balkhash area. (Rus) Bot. Zhur. [Moscow] 49(5):682-685. Ref. May 1964. 451 R923  
Includes effects of grazing.
- 99795 SAGAR, G. R., and HARPER, J. L. *Plantago* major L., *P. media* L. and *P. lanceolata* L. J. Ecol. 52(1):189-221, map. Ref. Mar.1964. 450 J829
- 99796 SANT, H. R. Ecological studies with special reference to reproductive capacity in relation to grazing of *Eragrostis viscosa* Stapf. J. Biol. Sci. 6(2):38-47. Ref. Dec.1963. 442.8 J827
- 99797 SCAGEL, R. F. Distribution of attached marine algae in relation to oceanographic conditions in the northeast Pacific. In Dunbar, M. J., ed. Marine distributions, p.37-50, map. Ref. 1963. 409 D91  
British Columbia.
- 99798 SOKOLOWSKI, A. W. The vegetation of the forest reserve Bukowa Gora near Luban Slaski (Polish Sudety Mts.). (Pol) Polska Akad. Nauk. Inst. Bot. Mater. Florystyczne i Geobot. 9(1):85-96. 1963. 451 P76  
English summary.
- 99799 TATEWAKI, M., ITO, K., and TOHYAMA, M. Phytosociological study on the forests of Japanese hemlock (*Tsuga diversifolia*). (Ja) Hokkaido U. Col. Expt. Forests. Res. B. 23(1):83-146, map. 1963. 99.9 H68  
English summary.
- 99800 THIERET, J. W. Botanical survey along the Yellowknife Highway, Northwest Territories, Canada. II. Vegetation. SIDA 1(4):187-239. Ref. June 1964. 450 S11  
Chiefly plant communities.
- 99801 TOOMRE, R., and ADOJAAN, A. Types of grass stands of permanent cultivated pastures in the Baltic countries. (Es) Rohumaaviljelus 3:13-36. 1962. 60.18 R63  
Russian summary.  
Chiefly ecology.
- 99802 VAN LANDINGHAM, S. L. Some physical and generic aspects of fluctuations in non-marine plankton diatom populations. Bot. Rev. 30(3): 437-478. Ref. July/Sept.1964. 450 B6527
- 99803 VIAN, B. Research on the bryophytic vegetation in the Forest of Saint-Gobain (Aisne). (Fr) Rev. Bryologique et Lichenologique 32 (1/4):95-156, map. Ref. 1963. 450 R325
- 99804 VOGL, R. J. The effects of fire on a muskeg in northern Wisconsin. J. Wildlife Mangt. 28(2): 317-329, map. Ref. Apr.1964. 410 J827
- 99805 VOGL, R. J. Vegetational history of Crex Meadows, a prairie savanna in northwestern Wisconsin. Amer. Midland Nat. 72(1):157-175, map. Ref. July 1964. 410 M58  
Ecology.
- 99806 VOIGT, J. W., MOHLENBROCK, R. H. Plant communities of southern Illinois. Carbondale, South. Ill. U. Press, 1964. 202 p., map. Ref. 463.89 V87
- 99807 VOZZHINSKAYA, V. B. Distribution of algae in the littoral of Grosseville Bay. (Rus) Bot. Zhur. [Moscow] 49(5):712-714, map. May 1964. 451 R923
- 99808 WATT, A. S. Some factors affecting bracken [*Pteridium aquilinum*] in Breckland. J. Ecol. 52(1):63-77. Mar.1964. 450 J829
- 99809 WILKINSON, S. R., and GROSS, C. F. Competition for light, soil moisture and nutrients during Ladino clover establishment in orchard-grass sod. Agron. J. 56(4):389-392. Ref. July/Aug.1964. 4 Am34P
- 99810 YOSHIMURA, I., and YAMANAKA, T. The *Bazania pompeana* community on rocks. (Ja) J. Jap. Bot. 39(2):13-16. Feb.1964. 450 J9223
- 99811 ZAMTARADZE, G. K. Geography and biogeological peculiarities of the species from the genus *Sibbaldia* in southern Caucasus area. (Geo) Akad. Nauk Gruzinskoi SSR. Soobshcheniya 34(1):141-147. Apr.1964. 511 Ak146  
Russian summary.
- 99812 ZUKRIGL, K., ECKHART, G., and NATHER, J. Standortskundliche und waldbauliche Untersuchungen in Urwaldresten der niederösterreichischen Kalkalpen [Ecological and silvicultural studies in virgin forest relicts of the Lower Austrian calcareous Alps]. Mitt. der Forstl. Bundes-Versanst. Mariabrunn 62, 244 p., map. Ref. 1964. 99.8 M69

## MORPHOLOGY, ANATOMY, AND CYTOLOGY

- 99813 ABE, S. The effect of p-chloromercuribenzoate on rotational protoplasmic streaming in plant cells. Protoplasma 58(3):483-492. 1964. 442.8 P94
- 99814 AHMAD, K. J. Cuticular studies in Solanaceae. Canad. J. Bot. 42(7):793-803. Ref. July 1964. 470 C16C
- 99815 ALLSOPP, A. The metabolic status and morphogenesis. Phytomorphology 14(1):1-27. Ref. Mar.1964. 450 P566
- 99816 AMATO, F. D'. Endopolyploidy as a factor in plant tissue development. Caryologia 17(1):41-52. Ref. Jan./Apr.1964. 442.8 C25
- 99817 ANDERSON, L. E. Biosystematic evaluations in the Musci. Phytomorphology 14(1):27-51. Ref. Mar.1964. 450 P566
- 99818 ANDREWS, G. Y., and MCGINNIS, R. C. The artificial induction of aneuploids in *Avena*. Canad. J. Genet. & Cytol. 6(3):349-356. Ref. Sept.1964. 443.8 C16
- 99819 ARANO, H., and NAKAMURA, T. Cytological studies in subfamily Carduoideae (Compositae) of Japan. XV-XVI. (Ja) Bot. Mag. Tokyo 77 (908):54-65. Ref. Feb.1964. 450 B651  
English summary.
- 99820 ATKINSON, L. R., and STOKEY, A. G. Comparative morphology of the gametophyte of homosporous ferns. Phytomorphology 14(1):51-70. Ref. Mar.1964. 450 P566
- 99821 BACH, D., MASCRE, M., and DEYSSON, G. Cours de botanique generale. Tome II: Organisation et classification des plantes vasculaires. Premiere partie: Organisation generale [General botany course. Volume II: Organization and classification of vascular plants. First part: General organization], by G. Deysson. New ed., rev. Paris, Societe d'Edition d'Enseignement Supérieur, 1963. 345 p. Ref. 463 B12  
Morphology and anatomy of vegetative and reproductive apparatus of Spermatophytes and Pteridophytes.



- 99822 BAJER, A., and MOLE-BAJER, J. Cine analysis of some aspects of mitosis in endosperm. In Rose, G. G., ed. Cinemicrography in cell biology, p.357-409. Ref. 1963. 440 R72  
Haemanthus katherinae used as test plant.
- 99823 BAJPAL, P. N., and MAURYA, A. N. Studies on blossom bud differentiation and male gametophyte in *Limonia acidissima* Linn. (Kaitha). *Agra U. J. Res. Sci.* 12(3):97-104. Sept.1963 513 Ag8
- 99824 BARTELS, F. Counting the plastids in *Epilobium hirsutum*. I. Counting in cells from differentiated tissues of the leaf. (Ge) *Planta* 60(5): 434-452. Ref. 1964. 450 P693
- 99825 BARTNICKI-GARCIA, S. Mold-yeast dimorphism of *Mucor*. *Bact. Rev.* 27(3):293-304. Ref. Sept.1963. 448.3 B13
- 99826 BATTAGLIA, E. A second case of B-chromosomes ( $2n = 14 + 6-8B$ ) in *Scilla autumnalis* L. (Liliaceae) of Palestinian provenance. (It) *Caryologia* 17(1):65-76. Jan./Apr.1964. 442.8 C25  
English summary.  
Israel.
- 99827 BAUDIN, P., and RAMONJY, J. DE. C. Observation on an hereditary syndrome "dwarfing" on tobacco in Madagascar. (Fr) *Agron. Trop.* [Paris] 19(3):219-226. Mar.1964. 26 Ag86  
English summary.
- 99828 BAYLEY, S. T. Physical studies on ribosomes from pea seedlings. *J. Molecular Biol.* 8(2): 231-238. Ref. Feb.1964. 442.8 J8224
- 99829 BELL, P. R., and MUHLETHALER, K. The degeneration and reappearance of mitochondria in the egg cells of a plant [*Pteridium aquilinum*]. *J. Cell Biol.* 20(2):235-248. Ref. Feb. 1964. 442.8 J828
- 99830 BELL, P. R. The membranes of the fern egg. In Locke, M., ed. Cellular membranes in development, p.221-231. 1964. 442 L79  
*Pteridium aquilinum*.
- 99831 BERGER, F. Handbuch der Drogenkunde. Band VI, Balsame, Harze, Gummiharze, Milchsafte, Gummi, Extrakte und Samen [Handbook of pharmacology, volume VI, Balsams, resins, gum resins, latexes, gums, extracts, and seeds]. Wien, Wilhelm Maudrich Verlag, 1964. 521 p. Ref. 396 B455  
Includes plant morphology.
- 99832 BERGHEN, C. V. The perianth of *Colura digitalis* (Mitt.) Steph. (Fr) *Rev. Bryologique et Lichenologique* 32(1/4):291. 1963. 450 R325
- 99833 BERLIN, J. D., and BOWEN, C. C. Centrioles in the fungus *Albugo candida*. *Amer. J. Bot.* 51 (6,pt.1):650-652. July 1964. 450 Am36
- 99834 BOKE, N. H. The cactus gynoeceum: a new interpretation. *Amer. J. Bot.* 51(6,pt.1):598-610. Ref. July 1964. 450 Am36
- 99835 BOSTRACK, J. M., and STRUCKMEYER, B. E. Effects of gibberellic acid on the anatomy of soybeans (*Glycine max*). *Amer. J. Bot.* 51 (6,pt.1):611-617. Ref. July 1964. 450 Am36
- 99836 BOWDEN, W. M. The phylogenetic significance of meiotic chromosome behavior in some polyploid tetraploid *Lobelia* hybrids. *Canad. J. Genet. & Cytol.* 6(3):364-369. Sept.1964. 443.8 C16
- 99837 BOWEN, W. R. The demonstration of mitotic figures in green algae. *Iowa Acad. Sci. Proc.* 70:138-142. 1963. 500 Io93
- 99838 BROWN, C. L. The influence of external pressure on the differentiation of cells and tissues cultured in vitro. In Zimmermann, M. H., ed. The formation of wood in forest, p.389-404. Ref. 1964. 451 Z6
- 99839 BURDONOV, E. I. A few data on the development of *Allium proliferum* Schrad. ex Willd. (Rus) *Bot. Zhur. [Moscow]* 49(5):707-709. May 1964. 451 R923
- 99840 CAMMACK, R. H. The abnormality resembling potato spindle tuber in the variety Redskin. *Plant Path.* 13(2):69-72. June 1964. 464.8 P692
- 99841 CARLONE, G. Contribution to the study of the common medlar cultivar. (It) *Colt. e Gior. Vinic. Ital.* 110(6):215-218. June 1964. 16 C72  
Morphology.
- 99842 CHADEFAUD, M. Some details of the morphological organization of the cell walls of filamentous Florideae. (Fr) *Soc. Bot. de France. B.* 109(7/8):148-156. Oct./Nov.1962. 451 F84B
- 99843 CHAMBERS, T. C., and MERCER, F. V. Studies on the comparative physiology of *Chara australis*. II. The fine structure of the protoplast. *Austral. J. Biol. Sci.* 17(2):372-387. Ref. May 1964. 442.8 Au72
- 99844 CHAUDHARI, H. K. Chiasmata analysis in watermelon (*Citrullus vulgaris* Schrad.). *Allahabad Farmer* 37(6):11-16. Ref. Nov.1963. 22 AL5
- 99845 CHEADLE, V. I., and ESAU, K. Secondary phloem of *Liriodendron tulipifera*. *Calif. U. P. Bot.* 36(2):143-230. Ref. 1964. 500 C125B
- 99846 CHEN, M. T. The relationship between morphological characters and internal structure of sugar cane varieties and their resistance to frost injury. (Ch) *Taiwan Sugar Expt. Sta. Rpt.* 35:33-41. Mar.1964. 65.9 F76R  
English summary.
- 99847 CHU, C. The application of PAS reaction as a stain technique in plant histology. (Ch) *Acta Bot. Sinica* 11(2/3):155-166. Ref. June/Sept. 1963. 450 C432  
English summary.
- 99848 CONOVER, D. F. A preliminary study of chromosome number in oak sprouts. *Iowa Acad. Sci. Proc.* 70:142-144. 1963. 500 Io93
- 99849 COPE, F. W. Cytology. *U. S. Natl. Mus. Contrib. U. S. Natl. Herb.* 35(6):446. 1964. 450 C76  
Theobroma.
- 99850 CORTI, E. F., and MAUGINI, E. Solid bodies passing from tapetum to central cell in "*Pinus pinea*" archegonium. (It) *Caryologia* 17(1):1-39. Ref. Jan./Apr.1964. 442.8 C25  
English summary.
- 99851 CRAWLEY, J. C. W. The fine structure of *Acetabularia mediterranea*. *Expt. Cell Res.* 32 (2):368-378. Ref. Nov.1963. 442.8 Ex7
- 99852 CRETE, P. Embryogeny and its role in the study of phylogenetic classification. (Fr) *Phytomorphology* 14(1):70-78. Ref. Mar.1964. 450 P566  
English summary.
- 99853 CRONSHAW, J., and WARDROP, A. B. The organization of cytoplasm in differentiating xylem. *Austral. J. Bot.* 12(1):15-23. June 1964. 450 Au72  
*Pinus radiata*.
- 99854 DALLEMAGNE-BERTHELOT, J. Observation of an unusual "stem structure" towards the base of a hypocotyl of *Impatiens scabrida* D. C. (Fr) *Acad. des Sci. Compt. Rend.* 259(1):199-201. July 6,1964. 505 P21
- 99855 DANIEL, J. W., and BALDWIN, H. H. Methods of culture for plasmodial myxomycetes. In Prescott, D. M., ed. *Methods in cell physiology*, v.1, p.9-41. Ref. 1964. 442 P92  
*Physarum polycephalum*, chiefly.
- 99856 DAVIS, J. S. The influence of bicarbonate ion concentration on cell division and cell orientation of *Pediastrum*. *Iowa Acad. Sci. Proc.* 70: 100-107. 1963. 500 Io93
- 99857 DE, D. N. A new chromosome model. *Nature [London]* 203(4943):343-346. Ref. July 25,1964. 472 N21  
Includes plant chromosomes based on DNA structure.
- 99858 DEMETRADZE, T. YA. Study of the formation of chloroplasts in leaves of *Thea sinensis* L. (Rus) *Bot. Zhur. [Moscow]* 49(6):813-821. Ref. June 1964. 451 R923
- 99859 DENIZOT, J. Concerning an abnormal formation on a male thallus of *Marchantia polymorpha* L. (Fr) *Rev. Bryologique et Lichenologique* 32(1/4):65-72. Ref. 1963. 450 R325
- 99860 DENIZOT, J. On an abnormal structure of a carpophore of *Preissia quadrata* (Scop) Nees. (Fr) *Rev. Bryologique et Lichenologique* 32 (1/4):73-81. Ref. 1963. 450 R325
- 99861 DE WET, J. M. J., and SINGH, A. P. Species relationships in *Dichanthium*. V. The diploid species. *Caryologia* 17(1):153-160. Ref. Jan./Apr.1964. 442.8 C25



- 99862 DEYSSON, G., and TRUHAUT, R. Characteristics of the antimutagenic activity of the derivatives of dihydroquinazolinone studied on the vegetal cell. (Fr) Acad. des Sci. Compt. Rend. 259(2):479-481. July 15, 1964. 505 P21
- 99863 DITTMER, H. J., and ROSER, M. L. The periderm of certain members of the Cucurbitaceae. Southwest. Natur. 8(1):1-9. May 10, 1963. 409.6 So8
- 99864 DOLZMANN, P. Electron microscopic study of the sucking hairs of *Tillandsia usneoides* (Bromeliaceae) I. (Ge) Planta 60(5):461-472. Ref. 1964. 450 P693
- 99865 DRISCOLL, C. J., and JENSEN, N. F. Chromosomes associated with waxlessness, awnedness and time of maturity of common wheat. Canad. J. Genet. & Cytol. 6(3):324-333. Ref. Sept. 1964. 443.8 C16
- 99866 DRUM, R. W., and PANKRATZ, H. S. Porous plates in the punctae of a small *Nitzschia*. Microscope 14(1):1-4. July/Aug. 1963. 440.8 M584
- 99867 DUPONT, P., and VERDUS, M. C. Study of a cecidium of *Erica arborea*. (Fr) Toulouse. Soc. d'Hist. Nat. B. 98(1/2):215-225. First/Second Q. 1963. 505 T64
- 99868 DURAND-RIVIERES, R. Contribution to the morphogenesis of the sporophyte of *Pteris longifolia* L. (Fr) Ann. des Sci. Nat. Bot. et Biol. Veg. (ser. 12) 5(1):1-86. Ref. Jan./Mar. 1964. 450 An75
- 99869 ECHLIN, P. The fine structure of the blue-green alga *Anacystis montana* f. minor grown in continuous illumination. Protoplasma 58(3):439-457. Ref. 1964. 442.8 P94
- 99870 ECKARDT, T. The problem of homology and cases of doubtful homology. (Ge) Phytomorphology 14(1):79-92. Ref. Mar. 1964. 450 P566 English summary.
- 99871 ERDTMAN, G. Pollen morphology of *Theobroma* and related genera. U. S. Natl. Mus. Contrib. U. S. Natl. Herb. 35(6):442-446. 1964. 450 C76
- 99872 ERRERA, M., and BRUNFAUT, M. Observations of mitotic figures in pulse labeled HeLa cells. Expt. Cell Res. 33(1/2):105-111. Ref. Jan. 1964. 442.8 Ex7
- 99873 ESAU, K. Aspects of ultrastructure of phloem. In Zimmermann, M. H., ed. The formation of wood in forest, p. 51-63. Ref. 1964. 451 Z6
- 99874 ESAU, K. Structure and development of the bark in dicotyledons. In Zimmermann, M. H., ed. The formation of wood in forest trees, p. 37-50. Ref. 1964. 451 Z6
- 99875 ESCALANTE, M. G., and MARCO, M. N. DE. The "bark" (rhytidoma) of the Argentine species of the genus *Aspidosperma* (Apocynaceae). (Sp) Soc. Argentina de Bot. B. 10(2/3):129-157. Ref. Oct. 1963. 451 So124
- 99876 EVANS, P. S. A comparison of some aspects of the anatomy and morphology of Italian ryegrass (*Lolium multiflorum* Lam.) and perennial ryegrass (*L. perenne* L.). New Zeal. J. Bot. 2(2):120-130. Ref. June 1964. 450 N48
- 99877 FAHN, A. Some anatomical adaptations of desert plants. Phytomorphology 14(1):93-102. Ref. Mar. 1964. 450 P566
- 99878 FAN, K. C. Studies on the reproductive organs of red algae. III. The South African genus *Melanocolax*. (Ch) Acta Bot. Sinica 11(2/3):200-206. June/Sept. 1963. 450 C432 English summary.
- 99879 FAVARD, A. Contributions to the histological and cytological study of the growth and development of the *Drosera*. (Fr) Ann. des Sci. Nat. Bot. et Biol. Veg. (ser. 12) 4(3):421-537. (Concl.) Ref. July/Sept. 1963. 450 An75
- 99880 FAY, P., KUMAR, H. D., and FOGG, G. E. Cellular factors affecting nitrogen fixation in the blue-green alga *Chlorogloea fritschii*. J. Gen. Microbiol. 35(2):351-360. Ref. May 1964. 448.3 J823
- 99881 FERGUSON, I. K. Notes on the stigma morphology and flowering behaviour in British *Salicorniae*. Watsonia 6(1):25-27. May 1964. 450 W33
- 99882 FINDLAY, G. P. Ionic relations of cells of *Chara australis*. VIII. Membrane currents during a voltage clamp. Austral. J. Biol. Sci. 17(2):388-399. May 1964. 442.8 Au72
- 99883 FINDLAY, G. P., and HOPE, A. B. Ionic relations of cells of *Chara australis*. IX. Analysis of transient membrane currents. Austral. J. Biol. Sci. 17(2):400-411. Ref. May 1964. 442.8 Au72
- 99884 FISCHBACH, K. Plant cells. (Ge) In Ernähr.-Umschau 11(6). Ernährungslehre und -Praxis 1:2-3. June 1964. 389.8 Er66
- 99885 FORDYCE, C., and GREEN, R. J. Mechanisms of variation in *Verticillium albo-atrum*. Phytopathology 54(7):795-798. Ref. July 1964. 464.8 P56 Chiefly morphology.
- 99886 FREUDENBERG, K. The formation of lignin in the tissue and in vitro. In Zimmermann, M. H., ed. The formation of wood in forest, p. 203-218. Ref. 1964. 451 Z6
- 99887 FREY-WYSSLING, A. Ultraviolet and fluorescence optics of lignified cell walls. In Zimmermann, M. H., ed. The formation of wood in forest, p. 153-167. Ref. 1964. 451 Z6
- 99888 FULFORD, M. Contemporary thought in plant morphology: Hepaticae and Anthocerotae. Phytomorphology 14(1):103-119. Ref. Mar. 1964. 450 P566
- 99889 GAUDET, J. J. Morphology of *Marsilea vestita*. II. Morphology of the adult land and submerged leaves. Amer. J. Bot. 51(6, pt. 1):591-597. Ref. July 1964. 450 Am36
- 99890 GEESTERANUS, R. A. M. Hyphal structures in Hydnums. II-IV. Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci. 66(5):426-457. Ref. 1963. 442.9 Am8
- 99891 GORTER, C. J. Morphogenetic effects of herbicides. In Audus, L. J., ed. The physiology and biochemistry of herbicides, p. 235-275. Ref. 1964. 79 Au2 Literature review. Abnormalities.
- 99892 GRIF, V. G. The action of low temperatures upon the mitosis and chromosomes of plants. (Rus) Tsitologiya 5(4):404-413. Ref. July/Aug. 1963. 442.8 T78
- 99893 GROSS, J. A., BECKER, M. J., and SHEFNER, A. M. Electrophoretic fractionation of chloroplast fragments in a pH gradient. Experimentia 20(5):261-262. May 15, 1964. 475 Ex7 Spinach.
- 99894 GRUN, P. Ultrastructure of plant plasma and vacuolar membranes. J. Ultrastruct. Res. 9(3/4):198-208. Ref. Oct. 1963. 440.8 J822 Solanum.
- 99895 GUPTA, K. I. Morphological studies of the flower of *Myrtaceae* with special reference to its vasculature. Agra U. J. Res. Sci. 12(3):159-160. Sept. 1963. 513 Ag8
- 99896 GUTTES, E., and GUTTES, S. Mitotic synchrony in the plasmodia of *Physarum polycephalum* and mitotic synchronization by coalescence of microplasmodia. In Prescott, D. M., ed. Methods in cell physiology, v. 1, 43-54. Ref. 1964. 442 P92
- 99897 GUTTES, E., and GUTTES, S. Prophase-like chromosome condensation induced by actinomycin D in the slime mold, *Physarum polycephalum*. Experimentia 20(5):269-271. Ref. May 15, 1964. 475 Ex7
- 99898 GUYOT, M. Virescence and structure of the flower of *Cruciferae*. (Fr) Soc. Bot. de France. B. 109(7/8):170-176. Ref. Oct./Nov. 1962. 451 F84B
- 99899 HEPLER, P. K., and NEWCOMB, E. H. Microtubules and fibrils in the cytoplasm of *Coleus* cells undergoing secondary wall deposition. J. Cell Biol. 20(3):529-533. Ref. Mar. 1964. 442.8 J828
- 99900 HINDMARSH, G. J. Gametophyte development in *Trifolium pratense* L. Austral. J. Bot. 12(1):1-14. Ref. June 1964. 450 Au72



- 99901 HO, S., and others. An analysis of the preliminary changes in mitosis of *Vicia faba* after X-ray radiation. (Ch) *Acta Bot. Sinica* 11(2/3): 207-216. Ref. June/Sept. 1963. 450 C432  
S. C. P'ing, F. Y. Chang, Y. H. Wang, and C. C. Yang, joint authors.  
Russian summary.
- 99902 HOWE, H. B. Vegetative traits associated with mating type in *Neurospora tetrasperma*. *Mycologia* 56(4):519-525. Ref. July/Aug. 1964. 450 M99
- 99903 HSI, I. C., and CHANG, C. T. Research on the pollen shapes of *Anemone* L. (Ch) *Acta Bot. Sinica* 12(1):19-38. Ref. Mar. 1964. 450 C432
- 99904 HU, C. H. Studies on the structure and the ontogeny of laticiferous canals of *Decaisnea fargesii* Franch. (Ch) *Acta Bot. Sinica* 11(2/3): 129-140. Ref. June/Sept. 1963. 450 C432  
English summary.
- 99905 HU, Y. S., and LI, C. L. Comparative anatomy of the culm and fibers of *Phragmites communis* and *Miscanthus sinensis*. (Ch) *Acta Bot. Sinica* 11(2/3):252-260. June/Sept. 1963. 450 C432  
English summary.
- 99906 HWANG, Y. L., LINDEGREN, G., and LINDEGREN, C. C. The twelfth chromosome of *Saccharomyces*. *Canad. J. Genet. & Cytol.* 6(3): 373-380. Ref. Sept. 1964. 443.8 C16
- 99907 IL'INA, E. YA. Morphological nature and age changes of the tillering zone of *Medicago media*. (Rus) *Bot. Zhur.* [Moscow] 49(5):685-689. Ref. May 1964. 451 R923
- 99908 ILTIS, H. H., and KAWANO, S. Cytotaxonomy of *Napaea dioica* (Malvaceae). *Amer. Midland Nat.* 72(1):76-81. Ref. July 1964. 410 M58
- 99909 INTERNATIONAL SOCIETY OF PLANT MORPHOLOGISTS. Year book, 1964. Delhi, 1964. 40 p. 451 In86
- 99910 ISAAC, P. K. Cytoplasmic streaming in filamentous fungi. *Canad. J. Bot.* 42(7):787-792. Ref. July 1964. 470 C16C
- 99911 IVANOV, V. B. On the application of bromophenol blue technique for purposes of quantitative histochemical determination of proteins. II. The cause of different staining of different age cells of corn root ends. (Rus) *Tsitologiya* 5(4):470-473. Ref. July/Aug. 1963. 442.8 T78
- 99912 IVANOVSKAYA, E. V. Disturbance of tissue differentiation in hybrid systems (in embryos and endosperm of wheat and rye). (Rus) *Akad. Nauk SSSR, Dok.* 157(1):219-222. Ref. 1964. 511 P444A
- 99913 JUNIPER, B. E. Origin of plasmodesmata between sister cells of the root tips of barley and maize. *Roy. Micros. Soc. J. (ser.3)* 82(2):123-126. Ref. 1963, pub. 1964. 440.9 R81J
- 99914 KADEN, N. N., and SMIRNOVA, S. A. Morphology of the fruits of figwort family [Scrophulariaceae]. (Rus) *Moskov. Obshch. Isp. Prirody. B. Otd. Biol.* 3:77-90. May/June 1964. 511 M85  
French summary.
- 99915 KAEISER, M. Vascular cambial initials in eastern cottonwood [*Populus deltoides*] in relation to mature wood cells derived from them. III. *State Acad. Sci. Trans.* 57(3):182-184. 1964. 500 IL6
- 99916 KAPOOR, B. M., and TANDON, S. L. Cytological investigations on the endosperm of two species of *Zephyranthes*. *Sci. & Cult.* 30(3): 146-147. Mar. 1964. 475 Sci24
- 99917 KARAG'ZOVA, M. Embryological studies on *Iris pseudacorus* L. (Bu) *Bulgar. Akad. na Nauk. Bot. Inst. Izv.* 11:111-123. Ref. 1963. 451 B87  
English summary.
- 99918 KAWATA, S., ISHIHARA, K., and SHIOYA, T. Studies on the root hairs of lowland rice plants in the upland fields. (Ja) *Crop Sci. Soc. Japan. Proc.* 32(3):250-253. Mar. 1964. 22.5 C88  
English summary.
- 99919 KHAN, M.-UD-D., and RAHMAN, H.-UR. Genome relationship and chromosome behavior in the allotriploid hybrid of *Pennisetum typhoides* and *P. purpureum*. *West Pakistan J. Agr. Res.* 1(3):61-65. June 1963. 22 W52
- 99920 KIRK, J. T. O., and JUNIPER, B. E. The fine structure of the pellicle of *Euglena gracilis*. *Roy. Micros. Soc. J. (ser.3)* 82(3):205-210. Ref. 1963, pub. 1964. 440.9 R81J
- 99921 KITANI, Y. Orientation, arrangement and association of somatic chromosomes. *Jap. J. Genet.* 38(4):244-256. Ref. Jan. 1964. 442.9 J27  
*Crepis capillaris* and *Aegilops squarrosa* chiefly studied.
- 99922 KLYNSTRA, F. B., and others. On the anatomy of the woody stem of the twisted Hazel, *Corylus avellana* L. "Contorta". *Acta Bot. Neerland.* 13(2):189-208. Ref. July 1964. 450 Ac822  
J. C. Lycklama, A. M. Siebers, and P. D. Burggraaf, joint authors.
- 99923 KOBAYASHI, T. On the life-history of *Allomyces javanicus* Kniep var. *allomorphus* Indoh. (Ja) *J. Jap. Bot.* 39(2):1-11. Ref. Feb. 1964. 450 J8223  
English summary.
- 99924 KORAC, M., and GAIC, M. Concrescence of roots of some trees. (Rus) *Agrobiologiya* 3: 464-466. May/June 1964. 20 Ag822  
*Ailanthus* and *Fraxinus pennsylvanica*.
- 99925 KOROHOVA, W. Electrophoretic studies on plant cells. III. Electrophoretic mobilities of cell-forms of myxomycete, *Physarum nudum* Macbride. *Fol. Biol. [Warsaw]* 11(4):465-472. Ref. 1963. 442.8 F71
- 99926 KOSTRYUKOVA, K. YU. A new karyotype in the *Lilium* genus. (Rus) *Akad. Nauk SSSR. Dok.* 157(2):454-456. Ref. 1964. 511 P444A
- 99927 KREUTZ, W. Investigations on structure of plastids. VI. (Ge) *Z. f. Natforsch.* 19b(5):441-446. Ref. May 1964. 474 Z3  
Lipoprotein lamellae of *Antirrhinum majus* chloroplasts.
- 99928 KRZYŻAN, J., and others. Badania cytologiczne i embriologiczne nad przyczynami sterility u czterech odmian wisni [Cytological and embryological investigations on causes of sterility in four cultivated varieties of cherry]. *Poznańskie Towar. Przyjaciół. Nauk. Wyd. Mat.-Przyrodniczy. Komis. Biol. Prace* 18(1), 28 p. Ref. 1963. 442.9 P87  
M. Orłowska, E. Radziszewska-Kazmierska, and B. Wojciechowska, joint authors.  
English summary.
- 99929 LAMPORT, D. T. A. Cell suspension cultures of higher plants: isolation and growth energetics. *Expt. Cell Res.* 33(1/2):195-206. Ref. Jan. 1964. 442.8 Ex7
- 99930 LANGHE, E. DE. Influence of parthenocarpy on floral degeneration of the banana plant. (Fr) *Fruits* 19(5):239-257. (Cont.) May 1964. 80 F9492  
English summary, p. 285.
- 99931 LARSON, P. R. Some indirect effects of environment on wood formation. In Zimmermann, M. H., ed. *The formation of wood in forest*, p. 345-365. Ref. 1964. 451 Z6
- 99932 LATIES, G. G. Physiological aspects of membrane function in plant cells during development. In Locke, M., ed. *Cellular membranes in development*, p. 299-320. Ref. 1964. 442 L79
- 99933 LAUDI, G. Infrastructural researches on the plastids of parasitic plants. I. *Cuscuta*. (It) *Caryologia* 17(1):139-152. Ref. Jan./Apr. 1964. 442.8 C25  
English summary.
- 99934 LEE, C. L., HU, Y. S., and LIU, S. J. Studies on the morphological differentiation of excised stems of *Mentha arvensis* L. I. The effect of colchicine upon the excised stem tips. (Ch) *Acta Bot. Sinica* 12(1):39-52. Ref. Mar. 1964. 450 C432  
English summary.
- 99935 LEFEBVRE, J. Study of the morphological variability of *Isopterygium elegans* (Hook) Lindb. in Belgium. (Fr) *Rev. Bryologique et Lichenologique* 32(1/4):91-94. 1963. 450 R325
- 99936 LEPPIK, E. E. Floral evolution in the *Ranunculaceae*. *Iowa State J. Sci.* 39(1), 101 p. Ref. Aug. 15, 1964. 470 Io9



- 99937 LEWIS, W. H. Meiotic chromosomes in African Commelinaceae. *SIDA* 1(5):274-293. Ref. June 1964. 450 Sil
- 99938 LI, C. L., and CHANG, H. Y. Studies on the embryos of *Pinus koraiensis* grown in vitro. III. Morphological differentiation of the root during germination. (Ch) *Acta Bot. Sinica* 11(2/3):225-237. Ref. June/Sept. 1963. 450 C432 English summary.
- 99939 LI, C. L., and SUN, A. T. Studies on the growth of excised stem tips of *Stachys sieboldii*. I. Formation of tuber in vitro. (Ch) *Acta Bot. Sinica* 11(2/3):117-128. Ref. June/Sept. 1963. 450 C432 English summary.
- 99940 LI, P. C. A microradioautographic investigation of nucleic acids and protein compounds in the meiosis and mitotic process in the cells of *Allium cepa*. (Ch) *Acta Bot. Sinica* 11(2/3):109-116. Ref. June/Sept. 1963. 450 C432 Russian summary.
- 99941 LI, Y. H., and CH'EN, H. K. How to tell sex in mountain grapes. (Ch) *Nongye Jishu* 8:28,30. Aug. 1963. 22.5 N929
- 99942 LOCKE, M., ed. Cellular membranes in development. New York, Acad. Press, 1964. 382 p. (Society for the Study of Development and Growth. Symposium, No. 22) 442 L79 Includes plants.
- 99943 LOEBLICH, A. R. The pollen grain morphology of *Collomia* as a taxonomic tool. *Madrono* 17(7):205-216. July 1964. 450 M26
- 99944 LOVIS, J. D. Autopolyploidy in *Asplenium*. *Nature [London]* 203(4942):324-325. July 18, 1964. 472 N21
- 99945 LUCUS, M. T., and WEBSTER, J. Conidia of *Pleospora scirpicola* and *P. valesiaca*. *Brit. Mycol. Soc. Trans.* 47(2):247-256. Ref. June 1964. 451 B76
- 99946 LUKIEWICZ, S., and KOROHOJA, W. Electrophoretic studies on plant cells. II. Factors determining the electrophoretic mobility of *Chlorella* cells. *Fol. Biol. [Warsaw]* 11(3):283-292. Ref. 1963. 442.8 F71
- 99947 MACLEOD, A. M., JOHNSTON, C. S., and DUFFUS, J. H. Ultra-structure of caryopses of the Gramineae. I. Aleurone and central endosperm of *Bromus* and barley. *Inst. Brewing. J.* 70(4):303-307. Ref. July/Aug. 1964. 390.9 In7
- 99948 MCMANUS, M. A. The plasmodium of the myxomycete *Cribraria violacea*. *Iowa Acad. Sci. Proc.* 70:97-100. 1963. 500 Io93
- 99949 MAEKAWA, F. Chromosome number of *Circaeaster* may be a relic of major polyploidy in old Ranalian stock. (Ja) *J. Jap. Bot.* 38(12):16. Dec. 1963. 450 J8223
- 99950 MAIDANNIK, A. S. Morphological processes in barley, changed from spring variety into the winter one. (Rus) *Agrobiologiya* 3:456-457. May/June 1964. 20 Ag822
- 99951 MAINI, J. S., and COUPLAND, R. T. Anomalous floral organization in *Populus tremuloides*. *Canad. J. Bot.* 42(7):835-839. July 1964. 470 C16C
- 99952 MEHRA, P. N., and SHARMA, O. P. Anatomy of *Eleocharis plantaginea* R. Br. *Panjab U. Res. B. (n.s.)* 14(3/4):289-305. Ref. Dec. 1963. 513 Ea72
- 99953 MIKK, H. Interesting freak developments in sunflowers. (Es) *Eesti Loodus* 6:362. Nov./Dec. 1963. 409.6 Ee7
- 99954 MILLER, J. J. A comparison of the effects of several nutrients and inhibitors on yeast meiosis and mitosis. *Expt. Cell Res.* 33(1/2):46-49. Jan. 1964. 442.8 Ex7
- 99955 MITROFANOVA, N. S. The significance of stamen morphology in the taxonomy of genus *Cuscuta* L. (Rus) *Moskov. Obshch. Isp. Prirody. B. Otd. Biol.* 3:132-133. May/June 1964. 511 M85
- 99956 MOSKOV, I. V. The development of embryo in some *Paeonia* varieties. (Rus) *Bot. Zhur. [Moscow]* 49(6):887-894. Ref. June 1964. 451 R923
- 99957 MURAKAMI, S. Ribosomes in spinach chloroplasts. *Expt. Cell Res.* 32(2):398-400. Ref. Nov. 1963. 442.8 Ex7
- 99958 NARASIMHAN, M. J., and THIRUMALACHAR, M. J. Heteroecism in *Uromyces setariae-italicae*, the rust on Italian millet. *Mycologia* 56(4):555-560. Ref. July/Aug. 1964. 450 M99
- 99959 NARAYANA, H. S., and GOTHWAL, B. D. A contribution to the study of root nodules in some legumes. *Indian Acad. Sci. Proc. Sect. B*, 59(6):350-359. June 1964. 513 In25B Morphology.
- 99960 NEILSON, J. A. Autoradiography for studying individual root systems in mixed herbaceous stands. *Ecology* 45(3):644-646. Summer 1964. 410 Ec7 Morphology.
- 99961 NICHOLS, H. W. Developmental morphology and cytology of *Boldia erythrosiphon*. *Amer. J. Bot.* 51(6,pt.1):653-659. Ref. July 1964. 450 Am36
- 99962 NICKERSON, W. J. Molecular bases of form in yeasts. *Bact. Rev.* 27(3):305-324. Ref. Sept. 1963. 448.3 B13
- 99963 NIKOLAEVSKII, V. G. Methods of the quantitative anatomical studies of the effect of environment on the structure of vegetative organs in higher plants. (Rus) *Bot. Zhur. [Moscow]* 49(6):833-838. Ref. June 1964. 451 R923
- 99964 NISHIDA, M., and KURITA, S. Chromosome number of *Ceratopteris thalictroides* in Japan. (Ja) *J. Jap. Bot.* 38(12):17-20. Ref. Dec. 1963. 450 J8223 English summary.
- 99965 PEREZ-UGALDE, G., HOUGAS, R. W., and PELOQUIN, S. J. Fertility of *S. phureja*-haploid *S. tuberosum* F<sub>2</sub> hybrids. *Amer. Potato J.* 41(8):256-262. Aug. 1964. 75.8 P842
- 99966 PETTET, A. Studies on British pansies. I-II. *Watsonia* 6(1):39-69. Ref. May 1964. 450 W33 I, Chromosome numbers and pollen assemblages; II, The status of some intermediates between *Viola tricolor* L. and *V. arvensis* Murr.
- 99967 PIMENOV, M. G., and SHRETER, A. I. Geographical variations of morphological and biochemical features of *Rosa rugosa* Thunb. in the Far East of USSR. (Rus) *Bot. Zhur. [Moscow]* 49(6):865-870. Ref. June 1964. 451 R923
- 99968 POHL, R. W. Cytological and distributional note on *Thladiantha dubia* (Cucurbitaceae). *Iowa Acad. Sci. Proc.* 70:58-60. 1963. 500 Io93
- 99969 PRASAD, A. Gibberellic acid induced parthenocarp in the peach. *Agra U. J. Res. Sci.* 12(3):53-56. Ref. Sept. 1963. 513 Ag8
- 99970 PRESCOTT, D. M., ed. Methods in cell physiology, v. 1. New York, Acad. Press, 1964. 465 p. Ref. 442 P92 Chiefly plants, including culture.
- 99971 PRESTON, R. D. Structural and mechanical aspects of plant cell walls with particular reference to synthesis and growth. In Zimmermann, M. H., ed. The formation of wood in forest, p. 169-188. Ref. 1964. 451 Z6
- 99972 RAMJI, M. V. Morphological and ontogenetic studies in *Sarcandra irvingbaileyi* Swamy. III. The stomata. *Indian Acad. Sci. Proc. Sect. B*, 59(6):360-364. June 1964. 513 In25B
- 99973 RANGASWAMY, N. S., and RANGAN, T. S. In vitro culture of embryos of *Cassipoupa filiformis* L. *Phytomorphology* 13(4):445-449. Ref. Dec. 1963. 450 P566
- 99974 RAO, A. R., and KHARE, P. Contribution to our knowledge of the sporophyte of *Tectaria amplifolia* (V.A.V.R.) Christensen. *Indian Acad. Sci. Proc. Sect. B*, 59(6):328-339. Ref. June 1964. 513 In25B Morphology.
- 99975 RAVEN, P. H., and MOORE, D. M. Chromosome numbers of *Epilobium* in Britain. *Watsonia* 6(1):36-38. May 1964. 450 W33
- 99976 RICHARDSON, S. D. The external environment and tracheid size in conifers. In Zimmermann, M. H., ed. The formation of wood in forest, p. 367-388. Ref. 1964. 451 Z6
- 99977 ROTHSCCHILD, D. I. DE. Anatomia del nodulo radical de algunas leguminosas cultivadas [Anatomy of the root nodule of some cultivated legumes]. Buenos Aires, Inst. Munic. de Bot. Rev. 3(1), 32 p. Ref. 1963. 451 B866



- 99978 SAAR, A. Cyclamen with branching leaves. (Es) Eesti Loodus 6:363. Nov./Dec.1963. 409.6 Ee7
- 99979 SAMPSON, F. B. The cytoplasm of plant cells—a review. Tuatara 11(3):143-167. Ref. Sept. 1963. 442.8 T79
- 99980 SASSEN, M. M. A. Fine structure of *Petunia* pollen grain and pollen tube. Acta Bot. Neerland. 13(2):175-181. Ref. July 1964. 450 Ac822
- 99981 SCHNEPF, E. On cell wall structures in the capitulum glands of the scaly leaves of *Lathraea clandestina* L. (Ge) Planta 60(5):473-482. Ref. 1964. 450 P693
- 99982 SHATALINA, M. S. Initial stages of development of *Rhododendron caucasicum* Pall. (Rus) Bot. Zhur. [Moscow] 49(5):690-696. Ref. May 1964. 451 R923
- 99983 SHKURAT, N. N. Anatomic and morphological investigation of cuttings of some species of *Philadelphus* L. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauki 2:124-130. 1963. 442.8 N22
- 99984 SINGH, D. N., and GODWARD, M. B. E. Cytological studies in the Gramineae. II. Heredity 18(4):538-540. Nov.1963. 443.8 H42
- 99985 SINGH, R. N., MAJUMDER, P. K., and SHARMA, D. K. Seasonal variation in the sex expression of papaya (*Carica papaya* L.). Indian J. Agr. Sci. 33(4):261-267. Ref. Dec.1963. 22 Ag831
- 99986 SINGH, S. N. Morphology and sterility of the pollen grains of sub-tropical plums. Agra U. J. Res. Sci. 12(3):5-12. Ref. Sept.1963. 513 Ag8
- 99987 SOLNTSEVA, M. P., and YAKOVLEV, M. S. Conditions determining the development of monocotyledony in the early embryogenesis in feather-grasses (*Stipa* spp.). (Rus) Bot. Zhur. [Moscow] 49(5):625-633. Ref. May 1964. 451 R923  
English summary.
- 99988 SRIVASTAVA, R. N., and SINGH, R. B. Occurrence of partially sterile barley plants grown in the vicinity of Allahabad Agricultural Institute campus. Allahabad Farmer 37(6):25-26. Nov.1963. 22 AL5
- 99989 STEFFEN, K. Chromoplast studies. I. The amoeboid chromoplast type. (Ge) Planta 60(5):506-522. Ref. 1964. 450 P693  
*Lilium tigrinum* and *Tagetes patula*.
- 99990 STERN, W. L. Anatomy of the wood. U. S. Natl. Mus. Contrib. U. S. Natl. Herb. 35(6):439-442. 1964. 450 C76  
*Theobroma*.
- 99991 STEWART, W. N. An upward outlook in plant morphology. Phytomorphology 14(1):120-134. Ref. Mar.1964. 450 P566
- 99992 TAKEHISA, S. The karyotype of *Petunia hybrida* and the differential chromosome condensation. Jap. J. Genet. 38(4):237-243. Ref. Jan. 1964. 442.9 J27
- 99993 TARNAVSCHI, I. T., CIOBANU, I. R., and LAZARESCU, V. Karyologic research on certain varieties of grapes cultivated in the Rumanian People's Republic. (Rum) Bucharest. Acad. Repub. Pop. Romine. Comun. 13(11):963-967. Ref. Nov.1963. 512 B8522C  
French summary.
- 99994 TATEOKA, T. Chromosomes of *Thysanolaena maxima* O. Ktze. (Gramineae). (Ja) J. Jap. Bot. 38(10):31-32. Ref. Oct.1963. 450 J8223  
English summary.
- 99995 THOMAS, C. A. Areca palm with thirteen crown. Arecanut J. 15(1):24. Jan./Mar.1964. 77.8 Ar3
- 99996 THORNTON, R. M., and THIMANN, K. V. On a crystal-containing body in cells of the oat coleoptile. J. Cell Biol. 20(2):345-350. Ref. 1964. 442.8 J828
- 99997 TING, C. Translocation of assimilates of leaf of main stem in relation to the phyllotaxis in cotton plant. (Ch) Acta Biol. Expt. Sinica 8(3/4):656-663. Ref. Dec.1963. 442.8 Ac85  
English summary.
- 99998 TOMLINSON, P. B. Stem structure in arborescent monocotyledons. In Zimmermann, M. H., ed. The formation of wood in forest, p.65-86. Ref. 1964. 451 Z6
- 99999 TSUYAMA, T. On the pleuriloculate and pleu-riovulate tendencies observed in "Snow Camellias." (Ja) J. Jap. Bot. 39(2):12. Feb.1964. 450 J8223
- 100000 TULECKE, W. Advantages of plant tissue cultures for working at the cellular level. Phytomorphology 14(1):148-154. Ref. Mar.1964. 450 P566
- 100001 UMPHLETT, C. J. Development of the resting sporangia of two species of *Coelomomyces*. Mycology 56(4):488-497. Ref. July/Aug.1964. 450 M99  
*Coelomyces pentangulatus* and *C. dodgei*.
- 100002 VAKHTINA, L. I. Chromosome numbers in some varieties of onions widespread in the USSR. (Rus) Bot. Zhur. [Moscow] 49(6):870-875. Ref. June 1964. 451 R923
- 100003 VISHNU-MITRE. Contemporary thought in palynology. Phytomorphology 14(1):135-147. Ref. Mar.1964. 450 P566  
Chiefly morphology.
- 100004 VON MALTZAHN, K. E., and CLARK, D. Variations in the sequence of karyokinesis and cytokinesis in regenerating moss leaf cells. Canad. J. Bot. 42(7):831-834. July 1964. 470 C16C  
*Splachnum ampullaceum*, test plant.
- 100005 VOZZO, J. A., and HACSAYLO, E. Anatomy of mycorrhizae of selected eastern forest trees. Torrey Bot. Club. B. 91(5):378-387. Sept./Oct. 1964. 451 T63B
- 100006 VYAS, L. C. Staminal abnormalities in *Aloe vera* Linn. Sci. & Cult. 30(3):145-146. Mar. 1964. 475 Sci24
- 100007 WANG, F. H., CHEN, T. C., and LI, S. C. Experimental studies of young Ginkgo embryos. I. The effect of the bee royal jelly on the embryo growth. (Ch) Acta Bot. Sinica 11(2/3):217-224. Ref. June/Sept.1963. 450 C432  
English summary.  
Ginkgo biloba studied.
- 100008 WARDROP, A. B. The reaction anatomy of arborescent angiosperms. In Zimmermann, M. H., ed. The formation of wood in forest, p.405-456. Ref. 1964. 451 Z6
- 100009 WARDROP, A. B. The structure and formation of the cell wall in xylem. In Zimmermann, M. H., ed. The formation of wood in forest, p.87-134. Ref. 1964. 451 Z6
- 100010 WATSON, E. V. The structure and life of bryophytes. London, Hutchinson U. Libr., 1964. 192 p. Ref. 461.3 W33S
- 100011 WERNSMAN, E. A. Occurrence of a nucleolar-like body in *Lotus corniculatus* L. Iowa Acad. Sci. Proc. 70:135-138. 1963. 500 Io93
- 100012 WHALEY, W. G., KEPHART, J. E., and MOLLENHAUER, H. H. The dynamics of cytoplasmic membranes during development. In Locke, M., ed. Cellular membranes in development, p.135-173. Ref. 1964. 442 L79  
*Zea mays* as test plant.
- 100013 WHITMORE, T. C. Bark morphology as an aid to forest-recognition and taxonomy of Diptercarpaceae. Flora Malesiana Bull. 18:1017-1019. Ref. Dec.1963. 460.21 B87
- 100014 WILSON, B. F. A model for cell production by the cambium of conifers. In Zimmermann, M. H., ed. The formation of wood in forest, p.19-36. Ref. 1964. 451 Z6
- 100015 WOLFF, S. Handling of root tips. In Prescott, D. M., ed. Methods in cell physiology, v.1, p.215-227. Ref. 1964. 442 P92  
From horsebeans, onions and barley.
- 100016 WU, S. H. On the phenomenon of nuclear inter-cellular extrusion in plant epidermal tissue. (Ch) Acta Bot. Sinica 12(1):1-18. Ref. Mar. 1964. 450 C432  
English summary.
- 100017 YUASA, A. The basic number of chromosomes in yeasts. Tokyo. U. Col. Gen. Educ. Sci. Papers 14(1):77-79. Ref. June 1964. 330.9 T572
- 100018 ZAIKOVSKAYA, N. E. Non-mitotic division of sugar beets cells. (Rus) Agrobiologiya 3:459-461. May/June 1964. 20 Ag822  
By chromosome formations.



- 100019 ZIMMERMANN, M. H., ed. The formation of wood in forest trees, the second symposium held under the auspices of the Maria Moors Cabot Foundation for Botanical Research, Harvard Forest, April, 1963. New York, Acad. Press, 1964. 562 p. Ref. 451 Z6
- 100020 ZUCKER, M. Experimental morphology of stomata. Conn. Agr. Expt. Sta. B. 664:1-17. Ref. Dec. 1963. 100 C76St  
Includes discussion.
- 100021 ZURZYCKI, J. Investigations on the contraction of chloroplasts in *Mnium undulatum* (L.) Weis. Protoplasma 58(3):458-482. Ref. 1964. 442.8 P94
- GENETICS**
- 100022 AMATO, F. D., MOSCHINI, E., and PACINI, L. Somatic mutations in carnations induced by gamma rays. (It) Caryologia 17(1):93-101. Ref. Jan./Apr. 1964. 442.8 C25  
English summary.
- 100023 ANDREWS, A. C. The genetic origin of spelt and related wheats. Zuchter 34(1):17-22. Ref. 1964. 442.8 Z8
- 100024 ASTHANA, A. N., and SINGH, C. B. Advanced stigma mutant in rai (*Brassica juncea*) and yellow sarson (*Brassica campestris* var. Yellow Sarson). Sci. & Cult. 30(3):151-152. Mar. 1964. 475 Sci24
- 100025 AZIZ, M. A., SHAFI, M., and HAIDER, G. Inheritance of habit of growth and leaf size in wheat. West Pakistan J. Agr. Res. 1(4):9-27. Ref. Sept./Dec. 1963. 22 W52
- 100026 BAKER, G. A., and CHRISTY, J. Stochastic processes and genotypic frequencies under mixed selfing and random mating. J. Theoret. Biol. 7(1):86-97. July 1964. 442.8 J8223  
Plant genetics.
- 100027 BARTON, D. W., and others. Clones from segregating progenies of garden pea demonstrate that resistance to BV2 and PV2 is conditioned by the same genotype. Plant Dis. Rptr. 48(5):353-355. May 15, 1964. 1.9 P69P  
W. T. Schroeder, R. Providenti, and W. Mishanec, joint authors.
- 100028 BATTAGLIA, E. Cytogenetics of B-chromosomes. Caryologia 17(1):245-299. Ref. Jan./Apr. 1964. 442.8 C25  
Plants.
- 100029 BIANCHI, A., GHATNEKAR, M. V., and GHIDONI, A. Knobs in Italian maize. Chromosoma 14(6):601-617, map. Ref. 1963. 442.8 C46  
Includes study of chromosomes.
- 100030 BIANCHI, A., and GIACCHETTA, F. Mutations induced by fractionated doses of X-rays in maize pollen. Canad. J. Genet. & Cytol. 6(3):304-323. Ref. Sept. 1964. 443.8 C16
- 100031 BORRILL, M. Experimental studies of evolution in *Anthoxanthum* (Gramineae). Genetica 34(3):183-210. Ref. 1963. 442.8 G282
- 100032 BROWNING, J. A. Teaching and applying the gene-for gene hypothesis for interactions in host: parasite systems. Iowa Acad. Sci. Proc. 70:120-125. Ref. 1963. 500 Io93  
Chiefly plant pathogenic fungi.
- 100033 BULDER, C. J. E. A. Induction of petite mutation and inhibition of synthesis of respiratory enzymes in various yeasts. Antonie van Leeuwenhoek J. Microbiol. & Serol. 30(1):1-9. Ref. 1964. 448.8 N28A
- 100034 CHAUDHRY, A. H., and MUNSHI, Z.-UL-A. Inheritance studies of some plant characters in *Nicotiana tabacum* cross Gandiu-6 "X" Sindhi Boobkal. West Pakistan J. Agr. Res. 1(3):70-81. Ref. June 1963. 22 W52
- 100035 CHING, S. Y., and WANG, S. T. Studies on the mutations of X-ray and cobalt-60 irradiated soybeans in the third generation. (Ch) J. Agr. & Forestry 12:1-18. Oct. 1963. 22.5 J823  
English summary.
- 100036 COPE, F. W. Pollen incompatibility. U. S. Natl. Mus. Contrib. U. S. Natl. Herb. 35(6):447-449. 1964. 450 C76  
Theobroma.
- 100037 CROWE, L. K. Competition between compatible nuclei in the establishment of a dikaryon in *Schizophyllum commune*. Heredity 18(4):525-533. Nov. 1963. 443.8 H42
- 100038 CSETNEKI, A. Obtaining male-sterile and fertility-restoring inbred lines. In Martonvasar, Hungary. Mezogazdasagi Kutato Intezet. Symposium on maize breeding and production, p. IV/I-IV/13. Ref. 1963. 59.22 M363
- 100039 DEAN, C. E. Corrugated dwarf tobacco; a semidominant lethal mutation in *Nicotiana tabacum* L. J. Hered. 55(3):104-106. May/June 1964. 442.8 Am3
- 100040 DNYANSAGAR, V. R. Self-incompatibility in angiosperms. J. Biol. Sci. 6(2):52-72. Ref. Dec. 1963. 442.8 J827
- 100041 FARIS, D. G. The chromosome number *Vigna sinensis* (L.) Savi. Canad. J. Genet. & Cytol. 6(3):255-258, map. Ref. Sept. 1964. 443.8 C16
- 100042 FISCHER, H. E., and FURSTE, K. The hypocotyl color as an indicating factor of genome stages in sugar beets. (Ge) Zuchter 34(1):22-27. Ref. 1964. 442.8 Z8
- 100043 FLOR, H. H. Genetics of somatic variation for pathogenicity in *Melampsora lini*. Phytopathology 54(7):823-826. Ref. July 1964. 464.8 P56  
Cause of rust on flax.
- 100044 GALINAT, W. C., CHAGANTI, R. S. K., and HAGER, F. D. Tripsacum as a possible amphidiploid of wild maize and *Manisuris*. Harvard U. Bot. Mus. L. 20(9):289-316. Ref. June 30, 1964. 451 H262  
Cytogenetics.
- 100045 GHATNEKAR, M. V. Primary effects of different mutagens and the disturbances induced in the meiosis of  $X_1$  and  $X_2$  of *Vicia faba*. Caryologia 17(1):219-244. Ref. Jan./Apr. 1964. 442.8 C25  
X-rays, ethylene imine, and ethyl methane sulphonate.
- 100046 GODLEY, E. J. Breeding systems in New Zealand plants. 3. Sex ratios in some natural populations. New Zeal. J. Bot. 2(2):205-212. Ref. June 1964. 450 N48
- 100047 GOLDSTEIN, M. Speciation and mating behavior in *Eudorina*. J. Protozool. 11(3):317-344. Ref. Aug. 1964. 439.8 J82  
Includes n. sp.
- 100048 GRIFFITHS, D. J., and PEREGRINE, W. T. H. The inheritance of resistance to halo blight [*Pseudomonas coronafaciens*] of oats. Plant Path. 13(2):56-59. June 1964. 464.8 P692
- 100049 GRINDLE, M. Heterokaryon compatibility of closely related wild isolates of *Aspergillus nidulans*. Heredity 18(4):397-405. Nov. 1963. 443.8 H42
- 100050 HAEFNER, K. On the ploidy degree dependence of radiation induced mutation rates in a system of largely homozygous and isogenous *Saccharomyces* races. (Ge) Z. f. Naftorsch. 19b(5):451-453. Ref. May 1964. 474 Z3
- 100051 HAGIWARA, T., and others. Genetic studies on growth type with the further raising of natural hybrids in the offspring of *Solanum gilo*. (Ja) Tokyo. Nihon Univ. Col. Agr. Vet. Med. Bull. 16:47-58. Mar. 1963. 41.9 T5762  
H. Sasaki, T. Inaba, and Y. Yanase, joint authors.  
English summary.
- 100052 HONMA, S., and PHATAK, S. C. A female-sterile mutant in the tomato. J. Hered. 55(3):143-145. May/June 1964. 442.8 Am3
- 100053 HOOKER, W. J., and THOMPSON, N. R. Increasing gene frequency for immunity to potato virus X in tetraploid *Solanum tuberosum* L. through inbreeding. European Potato J. 7(2):119-126. Ref. June 1964. 75.8 Eu7



- 100054 HRISHI, N., and JAMES, A. P. The induction of mutation in yeast by thermal neutrons. *Canad. J. Genet. & Cytol.* 6(3):357-363. Ref. Sept. 1964. 443.8 C16  
Comparison of effect of neutrons to that of gamma rays.
- 100055 INGE-VECHTOMOV, S. G. New genetic strains of the yeast, *Saccharomyces cerevisiae*. (Rus) Leningrad. U. Vest. Ser. Biol. 4:117-125. Ref. 1963. 442.9 L542V  
English summary.
- 100056 JACKSON, R. C. Preferential segregation of chromosomes from a trivalent in *Haplopappus gracilis*. *Science* 145(3631):511-513. July 31, 1964. 470 Sci2
- 100057 JINKS, J. L., and GRINDLE, M. The genetical basis of heterokaryon incompatibility in *Aspergillus nidulans*. *Heredity* 18(4):407-411. Nov. 1963. 443.8 H42
- 100058 KAUFER, E., and CHEN, T. L. Translocations and recessive lethals induced in *Aspergillus [nidulans]* by ultra-violet light and gamma-rays. *Canad. J. Genet. & Cytol.* 6(3):249-254. Ref. Sept. 1964. 443.8 C16
- 100059 KEDHARNATH, S., and CHATTERJI, R. N. A suspected mutant in *Acacia mearnsii*. *Indian Forester* 90(6):401-402. June 1964. 99.8 In2
- 100060 KRISHNAMURTHY, J., and RAMACHANDRAN, C. K. Inheritance studies on "Lintless Downy"—a lintless mutant. *Indian Cotton Growing Rev.* 18(3):167-170. May 1964. 72.8 In23
- 100061 KRYLOVA, M. I. Male sterility of onion flowers (variety Markovskii improved). (Rus) *Bot. Zhur. [Moscow]* 49(5):739-742. Ref. May 1964. 451 R923
- 100062 LEWIS, K. R., JOHN, B., and HEWITT, G. M. Spontaneous interchange in *Chorthippus brunneus*. *Chromosoma* 14(6):618-650. Ref. 1963. 442.8 C46  
Mutations.
- 100063 LOISELLE, R. Effect of X-irradiation on yield in barley. *Cereal News* 9(1):17-20. Spring 1964. 59.9 C1622  
Mutation breeding.
- 100064 MICKE, A., and others. Relative cytogenetic efficiency of muons and pi-mesons in *Zea mays* (L.). *Natl. Acad. Sci. Proc.* 52(2):219-221. Ref. Aug. 1964. 500 N21P  
H. H. Smith, R. G. Woodley, and A. Mashke, joint authors.
- 100065 MOH, C. C., and ALAN, J. J. Bean mutant induced by ionizing radiation I. Dwarf mutant. *Turrialba* 14(2):82-84. Apr./June 1964. 8 T86
- 100066 NAKAMURA, H. Adaptation of yeast to cadmium. VI. Isolation and characterization of spontaneous variants resistant to cadmium. *Jap. J. Genet.* 38(4):261-269. Jan. 1964. 442.9 J27
- 100067 NELSON, R. R. Genetic inhibition of perithecial formation in *Cochliobolus carbonum*. *Phytopathology* 54(7):876-877. July 1964. 464.8 P56
- 100068 NETTANCOURT, D. DE, and GRANT, W. F. Gene inheritance and linkage relationships in interspecific diploid hybrids closely related to *Lotus corniculatus* L. *Canad. J. Genet. & Cytol.* 6(3):277-287. Ref. Sept. 1964. 443.8 C16
- 100069 NEW YORK STATE COLLEGE OF AGRICULTURE (CORNELL UNIVERSITY). DEPT. OF PLANT BREEDING. BIOMETRICS UNIT. Annual report, July 1, 1962 to June 30, 1963. Ithaca, 1963. 36 p. 325.9 C81
- 100070 NINAN, C. A., and SATYABALAN, K. A study of natural, self and cross (dwarf x tall) progenies of dwarf coconuts of the west coast of India and its bearing on the genetics of dwarfs and the putative hybridity of their off-type progenies. *Caryologia* 17(1):77-91. Ref. Jan./Apr. 1964. 442.8 C25
- 100071 PAWLOWSKI, S. H. Seed genotype and oil percentage relationship between seeds of a sunflower. *Canad. J. Genet. & Cytol.* 6(3):293-297. Ref. Sept. 1964. 443.8 C16
- 100072 PELTON, J. S. Genetic and morphogenetic studies of angiosperm single-gene dwarfs. *Bot Rev.* 30(3):479-512. Ref. July/Sept. 1964. 450 B6527  
Literature review.
- 100073 PETERSON, P. A. Influence of mutable genes on induction of instability in maize. *Iowa Acad. Sci. Proc.* 70:129-134. Ref. 1963. 500 Io93
- 100074 RAVEN, P. H., and THOMPSON, H. J. Haploidy and angiosperm evolution. *Amer. Nat.* 98(901):251-252. July/Aug. 1964. 470 Am36
- 100075 RILEY, R., and CHAPMAN, V. The effects of the deficiency of chromosome V (5B) of *Triticum aestivum* on the meiosis of synthetic amphiploids. *Heredity* 18(4):473-484. Ref. Nov. 1963. 443.8 H42
- 100076 RODKIEWICZ, B., and OLSZEWSKA, M. J. Asynchronism within and between chromosomes during the incorporation of <sup>3</sup>H thymidine in the chromosomes of *Haemanthus katherinae* Bak. (Fr) *Chromosoma* 14(6):568-571. Ref. 1963. 442.8 C46
- 100077 ROSS, R. W., PELOQUIN, S. J., and HOUGAS, R. W. Fertility of hybrids from *Solanum phureja* and haploid *S. tuberosum* matings. *European Potato J.* 7(2):81-89. Ref. June 1964. 75.8 Eu7
- 100078 SAVCHENKO, N. I., and LASTOVICH, A. S. Study and utilization of cytoplasmic male sterility of winter wheat. (Rus) *Agrobiologiya* 2:243-239. Ref. Mar./Apr. 1964. 20 Ag822
- 100079 SCHWARTZ, D. Genetic studies on mutant enzymes in maize. V. In vitro interconversion of allelic isozymes. *Natl. Acad. Sci. Proc.* 52(2):222-226. Aug. 1964. 500 N21P
- 100080 SEN, P. K., MITRA, G. N., and BANERJEE, S. Inheritance of photoperiodic reaction in rice. *Indian J. Agr. Sci.* 34(1):1-14. Ref. Mar. 1964. 22 Ag831
- 100081 SENGHER, E. The behavior of the progeny of apple varieties after treatment with radiation. (Ge) *Arch. f. Gartbau.* 11(8):601-611. Ref. 1963. 80 Ar2  
English summary.  
Useful for breeding new varieties.
- 100082 TILNEY-BASSETT, R. A. E. Genetics and plastid physiology in *Pelargonium*. *Heredity* 18(4):485-504. Ref. Nov. 1963. 443.8 H42
- 100083 TSUNEWAKI, K. The transmission of the monosomic condition in a wheat variety, Chinese Spring. II. A critical analysis of nine year records. *Jap. J. Genet.* 38(4):270-281. Ref. Jan. 1964. 442.9 J27
- 100084 UPADHYA, M. D., and SWAMINATHAN, M. S. Genome analysis in *Triticum zhukovskiy*, a new hexaploid wheat. *Chromosoma* 14(6):589-600. Ref. 1963. 442.8 C46
- 100085 WIEBE, G. A. Current genetic concepts and barley breeding. *Barley Impr. Conf. Proc.*, 14th Conf.:65-70. 1963. 59.9 M583
- 100086 WILKIE, D. The induction by monochromatic u.v. light of respiratory-deficient mutants in aerobic and anaerobic cultures of yeast. *J. Molecular Biol.* 7(5):527-533. Ref. Nov. 1963. 442.8 J8224

## PHYSIOLOGY

- 100087 ABERG, E. Susceptibility: factors in the plant modifying the response of a given species to treatment. In Audus, L. J., ed. *The physiology and biochemistry of herbicides*, p.401-422. Ref. 1964. 79 Au2  
Literature review.
- 100088 ADAMS, S. N., and HONEYSETT, J. L. Some effects of soil waterlogging on the cobalt and copper status of pasture plants grown in pots. *Austral. J. Agr. Res.* 15(3):357-367. Ref. May 1964. 23 Au783  
Trifolium subterraneum and Lolium perenne in Tasmania.
- 100089 ADDICOTT, F. T. Abscission responses to herbicides. In Audus, L. J., ed. *The physiology and biochemistry of herbicides*, p.277-289. Ref. 1964. 79 Au2  
Literature review.
- 100090 AFZAL, M. Effect of aeration on tomato, corn and rice plants grown in nutrient solutions. *West Pakistan J. Agr. Res.* 1(3):88-96. Ref. June 1963. 22 W52



- 100091 AHMAD, S., and SHAH, J. A. Pollen viability in relation to fruitfulness in sweet lime. West Pakistan J. Agr. Res. 1(3):66-69. June 1963. 22 W52
- 100092 ALFIMOV, N. N., YAGOVOL, P. N., and LESNOVSKAYA, N. P. Some data on the characteristics of natural radioactivity of mushrooms. (Rus) Bot. Zhur. [Moscow] 49(6):900-902. June 1964. 451 R923
- 100093 ALI, M., MONGAT, N. M., and AHMAD, S.-UD-D. Variation in staple length on the same plant. West Pakistan J. Agr. Res. 1(4):38-47. Sept./Dec. 1963. 22 W52  
Cotton.
- 100094 ALVIM, P. DE. T. Tree growth periodicity in tropical climates. In Zimmermann, M. H., ed. The formation of wood in forest, p.479-495. Ref. 1964. 451 Z6
- 100095 AMANN, M. Investigations on the "Gummknollenwelke" complex of potatoes in Baden-Wuerttemberg. II. Causes and pathogenesis of the disease with special reference to the ecological components. (Ge) Z. f. Pflanzenkrank. (Pflanzenpath.) u. Pflanzenschutz 70(10):577-599. Ref. Oct. 1963. 464.8 Z3  
English summary.
- 100096 AMIRKHANOV, N. A., and SOLOPOV, I. S. Growth and development features of cultivated *Crambe katschyana*. (Rus) Bot. Zhur. [Moscow] 49(6):881-885. Ref. June 1964. 451 R923
- 100097 ANDERSON, A. F. H., and CALVIN, M. The aggregation of chlorophyll  $a^1$ . Arch. Biochem. & Biophys. 107(2):251-259. Ref. Aug. 1964. 381 Ar2
- 100098 ANTIPOV, N. I. Water and air system of some aquatic plants. (Rus) Bot. Zhur. [Moscow] 49(5):702-707. Ref. May 1964. 451 R923  
Respiration.
- 100099 ARORA, K. S., and SINGH, R. Effect of plant regulators on fruit drop, fruit quality and seed germination in mango. Indian J. Agr. Sci. 34(1):46-55. Ref. Mar. 1964. 22 Ag83I
- 100100 ASCHEMAN, R. E. Growth stimulation from Amiben. Hormolog 4(1):17-19. Nov. 1963. 381 H78  
Effects on plants.
- 100101 AUBERT, M., LEBOUT, H., and AUBERT, J. Role of plankton in the antibiotic activity of sea-water. (Fr) Inst. Pasteur. Ann. 106(1):147-150. Jan. 1964. 448.3 An75  
English summary.  
Includes phytoplankton.
- 100102 AUDUS, L. J., ed. The physiology and biochemistry of herbicides. New York, Acad. Press, 1964. 555 p. Ref. 79 Au2  
Literature review.
- 100103 AUSTEN, V. C. The pollination of pecan nuts. Agr. Gaz. N. S. Wales 75(7):1164-1165. July 1964. 23 N472
- 100104 AUZAC, J. D., and DANJARD, J. C. Determination of calcium in the leaves of *Hevea brasiliensis*; comparison of spectrophotometric and complexometric methods. (Fr) Chim. Analyt. 46(7):345-353. Ref. July 1964. 383 An72
- 100105 AVAL, H. Vaxthusgorkornas utveckling och kvalitet [Growth and quality of greenhouse cucumbers]. Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 30,9 p. 1964. 11 Up62A
- 100106 BAER, C. H. Motility of the leaves of *Rhododendron maximum* L. I. Response to freezing. W. Va. Acad. Sci. Proc. 35:54-58. 1963, pub. 1964. 500 W52
- 100107 BAILEY, J. L. Photosynthesis. Roy. Inst. Chem. Lect. Ser. 5,30 p. Ref. 1963. 382 In7L
- 100108 BAINS, S. S., and FIREMAN, M. Effect of exchangeable sodium percentage on the growth and absorption of essential nutrients and sodium by five crop plants. Agron. J. 56(4):432-435. Ref. July/Aug. 1964. 4 Am34P
- 100109 BALLARD, L. A. T., and GRANT LIPP, A. E. Juvenile photoperiodic sensitivity in *Anagallis arvensis* L. subsp. *foemina* (Mill.) Schinz & Thell. Austral. J. Biol. Sci. 17(2):323-337. Ref. May 1964. 442.8 Au72
- 100110 BANDYUKOVA, V. A. Antibiotic properties of *Sophora japonica* L. (Rus) Nauch. Dok. Vyshei Shkoly. Biol. Nauki 2:154-156. 1963. 442.8 N22
- 100111 BANNIKOVA, V. A. Opening of flowers and lengthening of stamen filaments of grasses. (Rus) Bot. Zhur. [Moscow] 49(5):735-739. Ref. May 1964. 451 R923
- 100112 BANNISTER, P. Stomatal responses of heath plants to water deficits. J. Ecol. 52(1):151-158. Ref. Mar. 1964. 450 J829
- 100113 BASAN'KO, A. A., and GORYACHEVA, E. S. The role of conditions of light. (Rus) Sadovodstvo 6:25-26. June 1964. 80 Sa13  
Grapes.
- 100114 BENAC, R. The Arabian coffee tree; study of the major element requirements of the Arabian coffee tree in Bamoun. (Fr) Cameroun Agr. Past. et Forest. 76:29-45, map. Ref. May 1964. 24 C353
- 100115 BENJAMIN, F. B., TAUFMAN, W. I., and HELVEY, W. M. Effect of atmospheric pressure, gravity, and partial pressure of nitrogen on plant growth. Biol. Space Syst. Symp. [Pap.] 1962:242-264. 1963. 159.21 B52
- 100116 BEUTEL, J. A. Soil moisture, weather and fruit growth. Calif. Citrog. 49(10):372. Aug. 1964. 80 C125
- 100117 BHARDWAJ, S. N., and RAO, I. M. Physiological studies on salt-tolerance in crop plants. XX. Influence of sodium chloride on the contents of carbohydrates and nitrogen in seedlings of wheat and gram (*Cicer arietinum* L.). Agr. U. J. Res. Sci. 12(3):121-126. Ref. Sept. 1963. 513 Ag8
- 100118 BHARDWAJ, S. N., and SANTHANAM, V. Physiological studies on bud and boll shedding in cotton. I. Influence of hormone NAA and its interaction with fertilizer application. Indian Cotton Growing Rev. 18(4):203-212. Ref. July 1964. 72.8 In23
- 100119 BINET, P., BOUCAUD, J., and DEVOUGES, J. Study of some aspects of the growth and metabolism of the genus *Suaeda*. II. *Suaeda vulgaris* Moq. (Fr) Ann. des Sci. Nat. Bot. et Biol. Veg. (ser. 12) 4(3):539-556. July/Sept. 1963. 450 An75
- 100120 BONCIARELLI, F. Thinning of alfalfa. (It) Prog. Agr. [Bologna] 10(5):501-511. May 1964. 58.8 P94  
Study on the causes of plant mortality.
- 100121 BONNAUD, C. The ontogenesis of secretions in the plantules of *Petroselinum sativum* Hoffm. (Fr) Soc. Bot. de France. B. 109(7/8):159-169. Ref. Oct./Nov. 1962. 451 F84B
- 100122 BOYER, Y. Contribution to the study of the ecophysiology of two epiphyte ferns: *Platyserium stemaria* (Beauv.) Desv. and [*P.*] *angolense* Welch. (Fr) Ann. des Sci. Nat. Bot. et Biol. Veg. (ser. 12) 5(1):87-227. Ref. Jan./Mar. 1964. 450 An75
- 100123 BOYER, Y. Rhythmic activities in plants. (Fr) Nancy. Ecole Natl. Super. Agron. B. 6(1):5-53. Ref. 1964. 64.9 N15
- 100124 BOZHKO, M. F. Formation and maturing of millet seeds. (Rus) Agrobiologiya 2:301. Mar./Apr. 1964. 20 Ag822
- 100125 BRIAN, R. C. The effects of herbicides on biophysical processes in the plant. In Audus, L. J., ed. The physiology and biochemistry of herbicides, p.357-386. Ref. 79 Au2  
Literature review.
- 100126 BRUMMER, V. The significance of bolting in sugar beet cultivation. (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:114-121. 1964. 64.9 F49  
English summary.
- 100127 BUKOVAC, M. J., LARSEN, R. P., and ROBB, W. R. Effect of N, N-dimethylaminosuccinamic acid on shoot elongation and nutrient composition of *Vitis labrusca* L. Cv. Concord. Mich. Agr. Expt. Sta. Q. B. 46(4):488-494. Ref. May 1964. 100 M58S



- 100128 BULMER, G. S. Spore germination of forty-two species of puffballs. *Mycologia* 56(4):630-632. July/Aug.1964. 450 M99  
Gasteromycetes.
- 100129 BURMAN, R. D., and PAINTER, L. I. Influence of soil moisture on leaf color and foliage volume of beans grown under greenhouse conditions. *Agron. J.* 56(4):420-423. July/Aug.1964. 4 Am34P
- 100130 BURNS, R. M., HENCH, K. W., and HIELD, H. Z. MH [Maleic hydrazide] growth inhibition effects on young navel trees. *Calif. Citrog.* 49(10):396-400. Aug.1964. 80 C125
- 100131 BURROWS, V. D. Seed dormancy, a possible key to high yield of cereals. *Agr. Inst. Rev.* 19(4):33-35. July/Aug.1964. 7 Ag8
- 100132 BURTON, W. G. The respiration of developing potato tubers. *European Potato J.* 7(2):90-101. Ref. June 1964. 75.8 Eu7
- 100133 BUSSLER, W. Boron deficiency symptoms and their development. (Ge) *Z. f. Pflanzenernähr.* Dungk. Bodenk. 105(2):113-136. Ref. May 1964. 384 Z343A  
English summary, p.XI.
- 100134 BUTTON, E. F., and NOYES, C. F. Effect of a seaweed extract upon emergence and survival of seedlings of creeping red fescue [*Festuca rubra*]. *Agron. J.* 56(4):444-445. July/Aug. 1964. 4 Am34P
- 100135 BYLES, B. U. How a tree grows. *Forest & Timber* 1(4):13-16. May 1964. 99.8 F7634
- 100136 CAHOON, G. A., GROVER, B. L., and EAKS, L. L. Rind oil spotting [Oleocellosis] of lemons, cause and control. *Calif. Citrog.* 49(11):411, 422,424,426,428. Sept.1964. 80 C125
- 100137 CALVIN, M. Quantum conversion in chloroplasts. *Advn. Catalysis Relat. Subj.* 14:1-34. Ref. 1963. 381 Ad92  
Literature review.
- 100138 CAPOT, J. Hand pollination of allogamous coffee trees and how it helps to improve them; its application and results in the Ivory Coast. (Fr) *Cafe, Cacao, The* 8(2):75-88. Ref. Apr./June 1964. 68.8 C112  
English summary.
- 100139 CARNS, H. R., and ADDICOTT, F. T. The effects of herbicides on endogenous regulator systems. In Audus, L. J., ed. *The physiology and biochemistry of herbicides*, p.343-356. Ref. 1964. 79 Au2  
Literature review.
- 100140 CAROLUS, R. L. Don't let your plants wilt! *Amer. Veg. Grower* 12(7):12,14,16. July 1964. 80 C733
- 100141 CATE, R. B., and SUKHAI, A. P. A study of aluminum in rice soils. *Soil Sci.* 98(2):85-93. Ref. Aug.1964. 56.8 So3  
Effects on rice growth.
- 100142 CAVINESS, C. E., and DOWNEY, D. A. Temperature and relative humidity in irrigated and non-irrigated soybeans. *Ark. Farm Res.* 13(4):2. July/Aug.1964. 100 Ar42F  
Effects on yields.
- 100143 CERVENY, A., and IVANKA, L. Problem of the economic range of the degree of sterility in seed corn. (Cz) *Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zemedel. Ekon.* 36(11):613-624. Nov.1963. 281.9 C332  
German summary.
- 100144 CHAILAKHYAN, M. KH., and LOZHNIKOVA, V. N. Photoperiodic influence and dynamics of gibberelline-like substances in plants. (Rus) *Akad. Nauk SSSR. Dok.* 157(2):482-485. 1964. 511 P444A  
*Nicotiana glauca* and *N. tabacum*.
- 100145 CHALLINOR, S. W., POWER, D. M., and TONGE, R. J. Effects of inositol-deficiency on yeast with particular reference to chemical composition of the cell and of the cell wall. *Nature [London]* 203(4942):250-251. Ref. July 18,1964. 472 N21
- 100146 CHAMURA, S., YOSHIOKA, K., and SAITO, S. Studies on the tolerance of crops to soil acidity. II. (Ja) *Crop Sci. Soc. Japan. Proc.* 32(3):225-228. Ref. Mar.1964. 22.5 C88  
English summary.
- 100147 CHANG, C. L., TSUI, C., and YEN, L. F. The effect of nitrogen nutrition on the growth, yields and carbohydrate-nitrogen metabolism of rice plant. (Ch) *Acta Bot. Sinica* 12(1):75-81. Ref. Mar.1964. 450 C432  
English summary.
- 100148 CHANG, W. T. The opportunity to discipline and control the growth and development of fruit trees. (Ch) *Yuan Hsueh Pao* 2(1):1-8. Feb.1963. 80 Y9
- 100149 CHANG, Y. T. Studies on the effects of irrigation and fertilization on sugarcane growth and the water requirement of sugarcane under different conditions. (Ch) *Taiwan Sugar Expt. Sta. Rpt.* 35:65-90. Ref. Mar.1964. 65.9 F76R  
English summary.
- 100150 CHAUDHARY, M. S., and KHAN, A. M. Growth studies of sugarcane in Hyderabad region. *West Pakistan J. Agr. Res.* 1(3):18-26. June 1963. 22 W52
- 100151 CHAUDHRY, M. Y. Gibberellin—a factor for replacement of light requirements in the germination of husk tomato seed (*Physalis pubescens*). *West Pakistan J. Agr. Res.* 1(3):41-45. June 1963. 22 W52
- 100152 CHEAL, W. F., and HEWITT, E. J. The effects of rates of supply of nitrogen, phosphorus, potassium and magnesium on leaf and stem growth, flowering and "topple" of Golden Harvest and Elmus tulip. *Ann. Appl. Biol.* 53(3):477-484. Ref. June 1964. 442.8 An72
- 100153 CH'EN, C. Y. The circulation and distribution of the photosynthesized material in the leaf of soybeans investigated by means of C<sup>14</sup>. (Ch) *Acta Bot. Sinica* 11(2/3):167-177. Ref. June/Sept.1963. 450 C432  
Russian summary.
- 100154 CH'EN, L. S. A study of the dynamics of the nutritional elements and main minerals absorbed by cotton. (Ch) *Two Wu Hsueh Pao. Zuowu Xuebao* 2(1):55-68. Feb.1963. 64.8 T78  
Russian summary.
- 100155 CH'EN, W. H. A study of the special biological nature of longan. (Ch) *Yuan Hsueh Pao* 2(1):9-22. Ref. Feb.1963. 80 Y9
- 100156 CH'EN, Y. S., HU, Y. C., and OUYANG, S. A primary investigation of falling flowers and falling fruit of *Camellia*. (Ch) *Lin Yeh K'o Hsueh* 8(2/4):267-270. Apr./Oct.1963. 99.8 L632
- 100157 CH'ENG, T. Y., and TENG, C. H. Drought-inducing winds during the reproductive stage of winter wheat in Anhwei north of Huai River. (Ch) *Acta Geog. Sinica* 30(1):25-34, map. Ref. Mar.1964. 331.8 T45  
English summary.
- 100158 CHEREPANOVA, N. P. The effect of nutrition conditions on the development of perithecia of *Ascomycetes*. (Rus) *Leningrad. U. Vest. Ser. Biol.* 4:49-56. 1963. 442.9 L542V  
English summary.
- 100159 CHIKOVANI, T. G., and LORIYA, M. L. Effect of drought, prevailing in 1961-1962, on trees and shrubs in the area of Tiflis. (Geo) *Akad. Nauk Gruzinskoi SSR. Soobshcheniya* 34(1):149-154. Apr.1964. 511 Ak146  
Russian summary.
- 100160 CHIN, C. C., and CHING, K. A. Action of amino acids from roots of wheat seedlings on the protein synthesis of shoots. (Ch) *Acta Biol. Expt. Sinica* 8(3/4):594-602. Ref. Dec.1963. 442.8 Ac85  
English summary.
- 100161 CHIN-CHIANG HSIEN NUNG CHI CHAN. A survey of the principal causes of early rice shoot rot and methods of its prevention. (Ch) *Fu-Chien Nung Yeh Fujian Nongye* 2/3:26-27. Feb.1963. 22.5 F958  
Physiological disease.
- 100162 CHIPMAN, E. W., and HOPE, G. W. Forcing of rhubarb under lights. *Canad. J. Plant Sci.* 44(4):325-328. July 1964. 450 C16  
Includes physiological effects.
- 100163 CHOUARD, P., and VAN, M. T. T. New investigations on the analysis of the vernalization mechanism of a perennial plant, *Geum urbanum* L. (Rosaceae). (Fr) *Soc. Bot. de France. B.* 109(7/8):145-147. Oct./Nov.1962. 451 F84B



- 100164 CHU, C. C. Studies on influence of potassium fertilizer upon the yield, fruit size and quality of ponkan (*Citrus poonensis*). (Ch) *J. Agr. & Forestry* 12:77-85. Oct. 1963. 22.5 J823 English summary.
- 100165 CHUAN, P. S., TZE, C. S., and FUNG, W. C. A preliminary study of increasing the salt tolerance of soybean & Italian millet (*Setaria italica*). (Ch) *Acta Bot. Sinica* 12(1):64-74. Ref. Mar. 1964. 450 C432 English summary.
- 100166 CIRILLO, V. P., HARSCH, M., and LAMPEN, J. O. Action of the polyene antibiotics filipin, nystatin and N-acetylcandidin on the yeast cell membrane. *J. Gen. Microbiol.* 35(2):249-259. Ref. May 1964. 448.3 J823
- 100167 CLOR, M. A., CRAFTS, A. S., and YAMAGUCHI, S. Translocation of  $C^{14}$ -labeled compounds in cotton and oaks. *Weeds* 12(3):194-200. Ref. July 1964. 79.8 W41 2,4-D, urea, and amitrol.
- 100168 CLYSTERS, H., and others. Biometric study of the secondary effects of some fungicides on the apple tree in the course of three consecutive years. (Fr) *Biometrie-Praximetrie* 3(4):194-218. Oct./Dec. 1962. 442.8 B5295 B. Grossmann, P. Gilbert, and A. Lenger, joint authors. English summary.
- 100169 COBB, H. D. An in vivo absorption spectrum of the eyespot of *Euglena mesnili*. *Tex. J. Sci.* 15(2):231-235. Ref. June 1963. 470 T31
- 100170 COLBY, S. R., WARREN, G. F., and BAKER, R. S. Herbicide metabolism: fate of Amiben in tomato plants. *J. Agr. & Food Chem.* 12(4):320-321. July/Aug. 1964. 381 J8223
- 100171 COOPER, W. C., YOUNG, R. H., and TURRELL, F. M. Microclimate and physiology of citrus: their relation to cold protection. *Agr. Sci. Rev.* 2(1):38-50. Ref. Winter 1964. A31.3 Ag893
- 100172 COPELAND, B. J., and WHITWORTH, W. R. Oxygen metabolism of four Oklahoma farm ponds. *Tex. U. Inst. Mar. Sci. P.* 9:156-161. Ref. Dec. 1963. 442.9 T31 Photosynthesis.
- 100173 COSSINS, E. A., and SINHA, S. K. A comparison of  $[^{14}C]$ glyoxylate and  $[^{14}C]$ acetate metabolism in germinating fatty seeds. *Biochim. et Biophys. Acta* 90(1):171-173. July 15, 1964. 381 B522
- 100174 CRAFTS, A. S. Herbicide behaviour in the plant. In Audus, L. J., ed. *The physiology and biochemistry of herbicides*, p. 75-110. Ref. 1964. 79 Au2 Literature review.
- 100175 CZAPLINSKA, S. Influence of relative humidity of the environment during storage on viability and on pathogenic microflora of alfalfa seeds. (Pol) *Ochrona Roslin* 7(11):16-21. Ref. Nov. 1963. 464.8 Oc32
- 100176 DAKHORE, R. C., NAIK, M. S., and DAS, N. B. Effect of copper on the uptake of minerals by wheat plants on Delhi soil. *Indian J. Agr. Sci.* 33(4):219-225. Dec. 1963. 22 Ag831
- 100177 DAS, H. K., CHATTERJEE, S. K., and ROY, S. C. Protein synthesis in plant mitochondria. II. *Biochim. et Biophys. Acta* 87(3):478-489. Ref. July 22, 1964. 381 B522
- 100178 DAS, N. Studies on the action of NAA on the flowering and fruiting of pineapple. *Indian J. Agr. Sci.* 34(1):38-45. Ref. Mar. 1964. 22 Ag831
- 100179 DE LIS, B. R., PONCE, I., and TIZIO, R. Studies on water requirement of horticultural crops. I. Influence of drought at different growth stages of potato on the tuber's yield. *Agron. J.* 56(4):377-381. Ref. July/Aug. 1964. 4 Am34P
- 100180 DEVYATOV, A. S., and RADYUK, A. F. Soil parent rock and growth of apple. (Rus) *Sadovodstvo* 4:52-53. 1964. 80 Sa13 Chiefly plant water relations.
- 100181 DIETERMAN, L. J., and others. Accumulation of ayapin and scopolin in sunflower plants treated with 2,4-dichlorophenoxyacetic acid. *Arch. Biochem. & Biophys.* 106(1/3):275-279. Ref. July 20, 1964. 381 Ar2 C. Y. Lin, L. M. Rohrbaugh, and S. H. Wender, joint authors.
- 100182 DIKSHIT, N. N., and MAJID, C. M. A. Uptake of nitrogen, phosphorus and potassium by chlorosis affected citrus plants during rainy season in Coorg. *Agra U. J. Res. Sci.* 12(3):115-120. Sept. 1963. 513 Ag8
- 100183 DILLEY, R. A., and VERNON, L. P. Changes in light-absorption and light-scattering properties of spinach chloroplasts upon illumination: relationship to photophosphorylation. *Biochemistry* 3(6):817-824. Ref. June 1964. 381 B523
- 100184 DILOV, KH., KASABONEVA, Z., and POPOVA, D. Certain physiological and biochemical investigations in grafted melons and pumpkins. (Bu) *Bulgar. Akad. na Nauk. Bot. Inst. Izv.* 12:187-202. Ref. 1963. 451 B87 English summary.
- 100185 DILOV, KH., and TSAO, M. Effect of nitrate and ammonia forms of nitrogen on certain physiological and biochemical processes in sugar-beet. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Rastenievud. Izv.* 17:97-112. Ref. 1963. 451 B872 English summary.
- 100186 DONNALLEY, W. F., and RIES, S. K. Amitrole translocation in *Agropyron repens* increased by the addition of ammonium thiocyanate. *Science* 145(3631):497-498. July 31, 1964. 470 Sci2
- 100187 DORFFLING, K. Growth substance-inhibitor system of *Acer pseudoplatanus* L. II. The meaning of "inhibitor beta" for the correlative blossom inhibition and for the regulation of cambium activity. (Ge) *Planta* 60(5):413-433. Ref. 1964. 450 P693 English summary.
- 100188 DORUCHOWSKI, R. W. Studies on the viability of the carrot pollen (*Daucus carota* L.) (Pol) *B. Warzywniczy* 6:307-310. 1961/62. 80 B54 English summary.
- 100189 DYER, A. F. Endosperm development after controlled pollination within and between species of *Trillium* and *Paris*. *Chromosoma* 14(6):549-567. Ref. 1963. 442.8 C46
- 100190 EARLE, F. R., CURTIS, J. J., and HUBBARD, J. E. Oil and protein content of corn inbred lines. *U. S. Agr. Res. Serv. ARS-71-31*, 15 p. Ref. Nov. 1963. A381 R31Ac
- 100191 EKUNDAYO, J. A., and CARLILE, M. J. The germination of sporangiospores of *Rhizopus arrhizus*; spore swelling and germ-tube emergence. *J. Gen. Microbiol.* 35(2):261-269. Ref. May 1964. 448.3 J823
- 100192 ELIASSEN, L. Studies on the effects of translocated herbicides on aspen and pea with particular regard to the responses of the roots. Lund, 1963. 10 p. Ref. 79 EL4
- 100193 ELLIOTT, C. G., and others. A steroid growth factor requirement in a fungus. *Nature [London]* 203(4943):427-428. Ref. July 25, 1964. 472 N21 M. E. Hendrie, B. A. Knights, and W. Parker, joint authors. *Phytophthora cactorum*.
- 100194 EMBLETON, T. W., JONES, W. W., and PAGE, A. L. Potash hunger in lemons. *Better Crops Plant Food* 48(4):2-5. July/Aug. 1964. 6 B46
- 100195 ENGELHARDT, M., and VICENTE, M. How to obtain germination of newly harvested seeds of castorbeans (*Ricinus communis*). (Por) *Biologico* 29(9):191. Sept. 1963. 442.8 B529
- 100196 ENYI, B. A. C. Environmental factors affecting time of ear emergence in rice plant (*Oryza sativa* L.). Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed. 2: 5-14. Ref. 1963. 26 L53
- 100197 ESCHRICH, W., and KATING, H. Uptake, incorporation, and transport of  $^{14}C$  in *Cucurbita ficifolia*. I. Application of bicarbonate- $^{14}C$  to plant organs above ground. (Ge) *Planta* 60(5): 523-539. Ref. 1964. 450 P693



- 100198 ESHLEMAN, J. N., and DANFORTH, W. F. Some characteristics of ethanol metabolism in *Euglena gracilis* var. *bacillaris*. J. Protozool. 11(3):394-399. Ref. Aug.1964. 439.8 J82
- 100199 EVSTIGNEEVA, Z. G., ASEVA, K. B., and KRETOVICH, V. L. Assimilation of ammonia by mycotrophic plant, *Monotropa hypopitys* L. (Rus) Akad. Nauk SSSR. Dok. 156(6):1461-1463. 1964. 511 P444A
- 100200 EVTUSHENKO, N. A., and POPOV, M. V. The effect of gibberellin on grapes. (Rus) Sado-vodstvo 5:30-31. May 1964. 80 Sa13
- 100201 EYSTER, C. Requirements and functions of micronutrients by green plants with respect to photosynthesis. Biol. Space. Syst. Symp. [Pap.] 1962:199-209. Ref. 1963. 159.21 B52
- 100202 FADEEVA, T. S. On early diagnosis of color of berries in strawberries. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauki 2:169-170. 1963. 442.8 N22  
With reference to physiology.
- 100203 FAIRLEY, J. L., and WAMPLER, D. E. The effects of aminobutyrate and propionate on arginine levels in *Neurospora*. Arch. Biochem. & Biophys. 106(1/3):153-158. Ref. July 20, 1964. 381 Ar2
- 100204 FAM SUAN KHAI, and PLESHKOV, B. P. Effect of phosphorous nutrition on the fractional and amino acetic composition of proteins of beans. (Rus) Akad. Nauk SSSR. Dok. 157(2):478-481. 1964. 511 P444A
- 100205 FARIS, D. G. Proposed study of the relationship between yield and early maturity in barley. Cereal News 9(1):20-25. Ref. Spring 1964. 59.9 C1622
- 100206 FAVOROV, A. M., and FROLOVA, M. L. Causes of potato degeneration in various areas of Western Ukraine. (Rus) Vest. Sel'skokhoz. Nauki [Moscow] 2:54-55. Feb.1964. 20 V633  
Effect of growing conditions on seed potatoes.
- 100207 FEDOROV, A. K., and MAKARYCHEVA, V. V. Biology of the development of strawberries. (Rus) Sadovodstvo 7:24-25. July 1964. 80 Sa13
- 100208 FEI, C. S., TANG, F. L., and CHIANG, P. C. A preliminary study on the accumulation of dry matter, carbohydrates and nitrogen compounds in different stages of development of summer-sown soybean plant. (Ch) Tso Wu Hsueh Pao. Zuowu Zuebao 2(1):83-94. Ref. Feb.1963. 64.8 T78  
English summary.
- 100209 FIEDLER, F., and TREBST, A. Synthesis of glucose-3,4-<sup>14</sup>C of higher specific activity. (Ge) Z. f. Natforsch. 19b(5):395-397. May 1964. 474 Z3  
English summary.  
Research on photosynthesis, including ribulosediphosphate.
- 100210 FILIGHEDDU, P. Contribution to the study of the root system of *Pinus pinea* L. in the sandy dunes of northern littoral Sardinia. (It) Studi Sassaresi. Sez. III, 10:253-268. Ref. 1962,pub. 1963. 507 Sa7Sa
- 100211 FITES, R. C., SLIFE, F. W., and HANSON, J. B. Translocation and metabolism of radioactive 2,4-D in jimsonweed [*Datura stramonium*]. Weeds 12(3):180-183. Ref. July 1964. 79.8 W41
- 100212 FLUX, D. S., WILSON, G. F., and WONG, E. Comparison of chemical and bioassay estimates of oestrogenic potency of clover. J. Sci. Food & Agr. 15(6):407-413. Ref. June 1964. 382 So12
- 100213 FORWARD, D. F., and NOLAN, N. J. Growth and morphogenesis in the Canadian forest species. VII. Progress and control of longitudinal growth of branches in *Pinus resinosa* Ait. Canad. J. Bot. 42(7):923-950. Ref. July 1964. 470 C16C
- 100214 FRANKLIN, E. W., and LOUGHEED, E. C. The rate and amount of absorption of maleic hydrazide by potato tubers. Amer. Potato J. 41(7):191-195. Ref. July 1964. 75.8 P842  
Includes effect of sprout inhibition in storage.
- 100215 FUHR, F., and SAUERBECK, D. On the uptake and translocation of <sup>14</sup>C-labelled organic decomposition products by *Raphanus sativus*. (Ge) Z. f. Pflanzenernahr. Dungung, Bodenk. 105(2):136-144. Ref. May 1964. 384 Z343A  
English summary, p.XII
- 100216 FUJII, T., and MITSUHASHI, M. Physiological studies on the adventitious root formation in cuttings of *Portulaca grandiflora* Hook. III. (Ja) Jap. Soc. Hort. Sci. J. 32(3):90-97. Sept.1963. 87 H78  
English summary.
- 100217 FULLER, R. C. Comparative structure and activities of the microbial photosynthetic apparatus. In Mazia, D., and Tyler, A., ed. General physiology of cell specialization, p.223-241. Ref. 1963. 442 M453  
Algae and bacteria.
- 100218 GADKARI, P. D. Further studies in stomata frequencies of cotyledonary leaves of Indian cottons. Indian Cotton Growing Rev. 18(4):222-247. Ref. July 1964. 72.8 In23
- 100219 GAERTNER, E. E. Tree growth in relation to the environment. Bot. Rev. 30(3):393-436. Ref. July/Sept.1964. 450 B6527
- 100220 GAISCH, H., PROSENZ, K., and STEINLECHNER, D. The effect of gamma radiation and warmth on various strains of *Saccharomyces cerevisiae*. (Ge) Z. f. Natforsch. 19b(5):430-433. May 1964. 474 Z3
- 100221 GALUN, E., GRESSEL, J., and KEYNAN, A. Suppression of floral induction by Actinomycin D- an inhibitor of "messenger" RNA synthesis. Life Sci. 3(8):911-915. Ref. Aug.1964. 442.8 L62  
Pharbitis nil.
- 100222 GANGSTAD, E. O. Germination of Gama grass [*Tripsacum dactyloides*]. Tex. Res. Found. Grass Mimeo. 45,2 p. Dec.1961. 60.9 T31
- 100223 GANGSTAD, E. O. Germination of ingested seed. Tex. Res. Found. Grass Mimeo. 46,2 p. Jan.1962. 60.9 T31
- 100224 GARDNER, H. R., and DANIELSON, R. E. Penetration of wax layers by cotton roots as affected by some soil physical conditions. Soil Sci. Soc. Amer. Proc. 28(4):457-460. July/Aug. 1964. 56.9 So3
- 100225 GARRARD, H. L. Fight hidden hunger with chemistry. Better Crops Plant Food 47(3):2 of cover,1-5. May/June 1964. 6 B46
- 100226 GASPARD, L. Contributions to the physiology of hybrid vigour. In Martonvasar, Hungary. Mezogazdasagi Kutato Intezet. Symposium on maize breeding and production, p.I/1-1/28. Ref. 1963. 59.22 M363
- 100227 GAUROY, P., and GRIVE, J. The luminescent organs of living beings: signals of recognition, lighting, bait, concealment. (Fr) Nature [Paris] 92(3347):98-104. Mar.1964. 473 N21  
Includes fungi and insects.
- 100228 GAVRISHEVA, I. F. Dynamics of the accumulation of starch in shoots and roots of apple in relation to the cold resistance and compatibility with the graft in conditions of Transbaikal. (Rus) Agrobiologiya 3:432-436. May/June 1964. 20 Ag822
- 100229 GEISLER, G. The CO<sub>2</sub>-assimilation of grafted and ungrafted grapevines (*Vitis*) under the influence of changing water supply. (Ge) Angew. Bot. 37(5):270-280. Ref. Nov.1963. 450 An4  
English summary.
- 100230 GEISLER, T., DREWS, M., and KAUFMANN, H. G. Nutrient loss in kohlrabi when cultured under glass. (Ge) Arch. f. Gartbau. 11(8):625-643. Ref. 1963. 80 Ar2  
English summary.  
East Germany.
- 100231 GEOFFRION, R. Copper deficiency in apples. (Fr) Phytoma 14(140):15. July/Aug.1962. 464.8 P563
- 100232 GEORGIEV, V. Studies on flower formation of some sweet cherry varieties in the Razhdavitsa region. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Ovoshtarstvo. Izv. 5:105-112. 1963. 86 G16  
German summary.



- 100233 GILES, K. W., and MYERS, A. The role of nucleic acids in the growth of the hypocotyl of *Lupinus albus* under varying light and dark regimes. *Biochim. et Biophys. Acta* 87(3):460-477. Ref. July 22, 1964. 381 B522
- 100234 GIORGADZE, E. Y. Effect of intensive nutrition on the manganese accumulation in tea leaves and the quality of ready product. (Rus) Makharadze. *Vses. Nauch-Issled. Inst. Chaya Subtrop. Kul't Subtrop. Kul't.* 1:39-44. 1963. 68.19 M28  
English summary.
- 100235 GOLDSTROHM, D. D. Vitamin requirements of eleven species of the *Dacrymycetaceae*. *W. Va. Acad. Sci. Proc.* 35:33-36. 1963, pub. 1964. 500 W52
- 100236 GRAMLICH, J. V., and FRANS, R. E. Kinetics of *Chlorella* inhibition by herbicides. *Weeds* 12(3):184-189. Ref. July 1964. 79.8 W41  
Naphthaleneacetic acid, 2,4-d and atrazine.
- 100237 GRIFFIN, G. J. Long-term influence of soil amendments on germination of conidia. *Canad. J. Microbiol.* 10(4):605-612. Ref. Aug. 1964. 448.8 C162  
*Gliocladium fimbriatum* and *Fusarium solani* phaseoli with carbon and nitrogen.
- 100238 GWAN, Y. C., FENG, J. L., and HSU, L. T. The effect of gibberellic acid on the changes of growth substances and some carbohydrates in pea seedlings. (Ch) *Acta Bot. Sinica* 12(1):53-63. Ref. Mar. 1964. 450 C432  
English summary.
- 100239 HADDOCK, J. L., and STUART, D. M. The influence of factors other than soluble phosphorus in the nutrient medium on the phosphorus content of sugar beet plants. *Amer. Soc. Sugar Beet Technol. J.* 12(8):641-650. Ref. Jan. 1964. 66.9 Am35J
- 100240 HAJDUKOVIC, M., ALEKSIC, Z., and JELENIC, D. A contribution to the study of the effect of organic matters from Kolubara lignite on the phosphorus uptake from the labelled superphosphate. (Se) *Agrohemija* 7/8:421-430. Ref. 1963. 385 Ag87  
English summary.
- 100241 HALL, D. M., and DONALDSON, L. A. The ultrastructure of wax deposits on plant leaf surfaces. 1. Growth of *Trifolium repens*. *J. Ultrastruct. Res.* 9(3/4):259-267. Ref. Oct. 1963. 440.8 J822
- 100242 HAMILTON, J. W., and BEATH, O. A. Amount and chemical form of selenium in vegetable plants. *J. Agr. & Food Chem.* 12(4):371-374. Ref. July/Aug. 1964. 381 J8223
- 100243 HANNA, F. S., EL-GIBALLY, M. H., and HAMD, H. M. A comparative study of phosphorus uptake by plant and available phosphorus content in the soils of Egypt as determined by chelating compound extracts. *J. Soil Sci. United Arab Repub.* 2(1):53-64. Ref. 1962. 56.8 J825
- 100244 HANSON, K. R. Active and inactive transport across cell membranes. *Conn. Agr. Expt. Sta. B.* 664:43-58. Ref. Dec. 1963. 100 C76St  
Includes discussion.
- 100245 HARADA, I. Studies on the nutritio-physiology of pasture crops, especially on the effective fertilizer application to pasture crops. I. (Ja) *J. Sci. Soil & Manure* 35(1):6-12. Jan. 1964. 56.8 J27
- 100246 HARRINGTON, J. F. Mechanics of seed preservation. *Seed World* 95(2):4,6. July 24, 1964. 61.8 Se52  
For germination and vigor.
- 100247 HARTLEY, D. E., and TICKNOR, R. L. Magnesium deficiency in juniper resembles juniper blight. *Plant Dis. Rptr.* 48(7):581-584. July 15, 1964. 1.9 P69P
- 100248 HEILMAN, A. S., and SHARP, A. J. A probable antibiotic effect of some lichens on bryophytes. *Rev. Bryologique et Lichenologique* 32(1/4):215. 1963. 450 R325
- 100249 HELLMERS, H. Distribution of growth in tree seedling stems as affected by temperature and light. In Zimmermann, M. H., ed. The formation of wood in forest, p.533-547. Ref. 1964. 451 Z6
- 100250 HOBOLTH, L. A. Chemical treatment of garden seeds. (Da) *Tidsskr. f. Planteavl* 68(1):109-134. 1964. 11 T439  
English summary.  
Effects on germination of vegetable seeds.
- 100251 HOLLY, K. Herbicide selectivity in relation to formulation and application methods. In Audus, L. J., ed. The physiology and biochemistry of herbicides, p.423-464. Ref. 1964. 79 Au2  
Literature review.
- 100252 HSIA, C. A. Effects of sowing date on the development of winter wheat. (Ch) *Acta Bot. Sinica* 11(2/3):184-190. Ref. June/Sept. 1963. 450 C432  
English summary.
- 100253 HUANG, C. W., and others. A study on the accumulation and movement of dry matter in paddy rice during various stages of growth. I. (Ch) Tso Wu Hsueh Pao. *Zuowu Xuebao* 2(1):103-112. Feb. 1963. 64.8 T78  
C. L. Ch'iu, Y. H. Ch'en, and C. C. Wu, joint authors.  
Russian summary.
- 100254 HUBER, B. Recording photosynthesis, respiration, and transpiration. In Zimmermann, M. H., ed. The formation of wood in forest, p.497-504. Ref. 1964. 451 Z6
- 100255 HUBNER, G., and LUDEWIG, R. On the entry of hydrogen peroxide into the internodal cells of *Tolypella nidifica* (Leonh.). (Ge) *Z. f. Naturforsch.* 19b(5):383-386. May 1964. 474 Z3
- 100256 HUXLEY, P. A. Some effects of artificial shading on the growth of Upland cotton seedlings. *Empire Cotton Growing Rev.* 41(2):100-113. Ref. Apr. 1964. 72.8 Em7
- 100257 ISAAC, P. K. Metabolic specialization in the mycelium of *Rhizoctonia solani* Kuhn. *Canad. J. Microbiol.* 10(4):621-622. Aug. 1964. 448.8 C162
- 100258 ITO, G. Experimental studies on the cultivation of the shiitake mushroom (*Lentinus edodes* (Berk.)) Sing. Effects of the water treatment of decayed bed logs and end beating "shinsui-daboku" upon the development of sporophores. (Ja) Hokkaido U. Col. Expt. Forests. *Res. B.* 23(1):1-20. Ref. 1963. 99.9 H68  
English summary.
- 100259 IWAHORI, S., SAKIYAMA, R., and TAKAHASHI, K. High temperature injuries in tomatoes. I. Effects of different temperatures on fruit setting and yield of seedlings treated at different stages of growth. (Ja) *Jap. Soc. Hort. Sci. J.* 32(3):49-56. Sept. 1963. 87 H78  
English summary.
- 100260 JANSEN, H. The influence of the supply of nitrogen on the effect of gibberellin on tomato plants. (Ge) *Z. f. Pflanzenernahr. Dungung. Bodenk.* 105(1):27-37. Ref. Apr. 1964. 384 Z343A  
English summary, p.X.
- 100261 JUNG, J., and STURM, H. Growth regulating effects of chlorine choline hydride (CCC). (Ge) *Landwirt. Forsch.* 17(1):1-9. 1964. 18 L2333  
English summary.  
Tests with wheat.
- 100262 KAHN, A. J. The influence of light on cell aggregation in *Polysphondylium pallidum*. *Biol. B.* 127(1):85-96. Ref. Aug. 1964. 442.8 B52
- 100263 KAIS, A. G. Germination and growth of *Scirrhia acicola* in liquid culture inhibited by cycloheximide semicarbazone. *Plant Dis. Rptr.* 48(7):553-556. July 15, 1964. 1.9 P69P
- 100264 KAISER, W. J. Effects of light on growth and sporulation of the *Verticillium* wilt fungus [*Verticillium albo-atrum*]. *Phytopathology* 54(7):765-770. Ref. July 1964. 464.8 P56
- 100265 KANWAR, J. S., DHINGRA, D. R., and RANDHAWA, N. S. Chemical composition of healthy and chlorotic leaves of citrus plants in the Punjab. *Indian J. Agr. Sci.* 33(4):268-271. Ref. Dec. 1963. 22 Ag831
- 100266 KARANOV, E., and VASIL'EV, G. The physiological activity and chemical structure of some thiourea derivatives. (Rus) *Akad. Nauk SSSR. Dok.* 156(4):957-960. Ref. 1964. 511 P444A  
Effect on plants.



- 100267 KARNATZ, A., and PFEFFER, R. Interrelation between blossom, fructification and yield in apples. (Ge) Klosterneuberg. *Hoherer Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. Ser. B, Obst u. Gart* 13(3):115-124. June 1963. 105.9 K696  
English summary.
- 100268 KARSCHON, R. Chloride scorch due to wind-borne salt in *Eucalyptus gomphocephala* A. DC. (He) *La-Yaaran* 14(2):34-37. June 1964. 99.9 So19  
English summary, p.45-42.
- 100269 KARTAU, S. Content of some amino acids in orchardgrass, depending on nitrogen fertilizers. (Es) *Rohumaaviljelus* 3:211-217. Ref. 1962. 60.18 R63  
Russian summary.
- 100270 KATO, T. Physiological studies on the bulbing and dormancy of onion plant. I. The process of bulb formation and development. (Ja) *Jap. Soc. Hort. Sci. J.* 32(3):81-89. Ref. Sept.1963. 87 H78  
English summary.
- 100271 KAUSS, H., and KANDLER, O. On the splitting of ribulose and ribosediophosphate during paper chromatography. (Ge) *Z. f. Natforsch.* 19b(5):439-441. May 1964. 474 Z3  
Research on photosynthesis.
- 100272 KAWASAKI, C., SUHARA, T., and IRITANI, N. Biosynthesis of thiamine. I. Biosynthesis of thiamine in the radish during germination of its seeds. *J. Vitaminology* 9(4):323-328. Dec.10, 1963. 389.8 J825
- 100273 KE, B. Light-induced absorption-change transients in some blue-green algae. *Nature [London]* 203(4943):405. July 25, 1964. 472 N21
- 100274 KERY, GY. Flowering and seed production of cactus. (Hu) *Buvar* 9(3):179-182. May/June 1964. 410 B98
- 100275 KHANCHARYK, M. N., MARDYKINA, L. M., and MIKUL'SKAYA, S. A. Carbohydrate metabolism of potatoes in relation to conditions of mineral nutrition. Minsk. *Belaruskaya Akad. Navuk. Vestsi. Ser. Biyal. Navuk* 1:58-64. Ref. 1964. 442.8 M66  
Text in Belorussian.  
Russian summary.
- 100276 KIERMAYER, O. Growth responses to herbicides. In Audus, L. J., ed. *The physiology and biochemistry of herbicides*, p.207-233. Ref. 1964. 79 Au2  
Literature review.
- 100277 KING, M. K., and ISAAC, P. K. The uptake of glucose-6-T and glycine-2-T by *Rhizoctonia solani* Kuhn. *Canad. J. Bot.* 42(7):815-821. Ref. July 1964. 470 C16C
- 100278 KIRALY, F. Disinfection of grape grafts with 2% neopol solution instead of charcoal dust. (Hu) *Budapest. Szolesz. Kutato Intezet. Kutatasi Eredmenyei* 2:40-41. 1963. 95.9 B85S  
For promoting fusion of grafts.
- 100279 KIRK, J. T. O. The effect of trypsin on the pellicle of *Euglena gracilis*. *J. Protozool.* 11(3):435-437. Aug.1964. 439.8 J82
- 100280 KISHORE, H., PUSHKARNATH, and SINGH, G. The effect of gamma radiation on potato tubers. *Indian Potato J.* 5(2):86-92. Ref. Oct.1963. 75.8 In2
- 100281 KLIKOFF, L. G. The toxicity of *Beta vulgaris* fruits as an inhibitor of germination of grass fruits and as an autotoxin. *Nowest. Sci.* 38(2):43-51. Ref. May 1964. 470 N81  
Sugar beets.
- 100282 KNOWLES, R. P. What's the distance of cross-pollination in grasses? *Res. Farmers* 9(3):4-5. Summer 1964. 7 R31  
Chiefly bromegrass.
- 100283 KOBAYASHI, A., IWASAKI, K., and SATO, Y. Growth and nutrient absorption of grapes as affected by soil aeration. I. With non-bearing Delaware grapes. *Jap. Soc. Hort. Sci. J.* 32(3):33-37. Sept.1963. 87 H78  
English summary.
- 100284 KOK, B. Light conversion in photosynthesis. *Biol. Space Syst. Symp. [Pap.]* 1962:83-104. Ref. 1963. 159.21 B52
- 100285 KOOISTRA, G. The effect of DD on grass and clover in sterilized soil. *Tijdschr. over Plantenziekten* 70(3):81-84. 1964. 464.8 T44
- 100286 KORABLEV, N. Agricultural physics and yield. NLL [Nat. Lending Libr.] *Trans. Bull.* 6(5):458-463. May 1964. 241.9 G796  
Plant physiology.  
Translation from *Nauchnotekhnicheskie Obshchestva SSSR* 5(11):60-61. 1963.
- 100287 KORYAKINA, V. F. Osobennosti rosta i razvitiya mnogoletnikh kormovykh rastenii [Growth and development features of perennial forage plants]. Moskva, Nauka, 1964. 288 p. Ref. 463.3 K842
- 100288 KOSHALEVA, L. L. The effect of potassium on physiological processes of the flax in various meteorological conditions. Minsk. *Belaruskaya Akad. Navuk. Vestsi. Ser. Biyal. Navuk* 1:50-57. Ref. 1964. 442.8 M66  
Text in Belorussian.  
Russian summary.
- 100289 KOUCHKOVSKY, Y. DE, and FORK, D. C. A possible functioning in vivo of plastocyanin in photosynthesis as revealed by a light-induced absorbance change. *Natl. Acad. Sci. Proc.* 52(2):232-239. Ref. Aug.1964. 500 N21P
- 100290 KOVACS, K. Connections between the nutrient supply of the soil and the appearance of heterosis effect. In Martonvasar, Hungary. *Mezogazdasagi Kutato Intezet. Symposium on maize breeding and production*, p.II/I-II/14. 1963. 59.22 M363
- 100291 KRAMER, P. J. The role of water in wood formation. In Zimmermann, M. H., ed. *The formation of wood in forest*, p.519-532. Ref. 1964. 451 Z6
- 100292 KRESTNIKOV, A. D. Individuality of growth of apple seedlings. (Rus) *Sadovodstvo* 6:22-23. June 1964. 80 Sa13  
Correlation between roots and upper parts.
- 100293 KRYUKOVA, L. M., and KASYMOV, A. The role of radiotoxins in the disturbance of structure formation of irradiated plants. (Rus) *Akad. Nauk SSSR. Dok.* 156(5):1204-1206. 1964. 511 P444A  
Effect of X-rays on sunflowers.
- 100294 KUIPER, P. J. C. Some considerations on water transport across living cell membranes. *Conn. Agr. Expt. Sta. B.* 664:59-68. Ref. Dec. 1963. 100 C76St  
Includes discussion.
- 100295 KUMAZAWA, K., NAGASHIMA, Y., and MITSUI, S. Organic acids content of rice and barley as influenced by light. (Ja) *J. Sci. Soil & Manure* 35(2):68. Feb.1964. 56.8 J27
- 100296 KUO, J. S., and WANG, F. H. The effect of IAA and coconut milk on the growth of immature sunflower embryos cultured in vitro. (Ch) *Acta Bot. Sinica* 11(2/3):141-154. Ref. June/Sept.1963. 450 C432  
English summary.
- 100297 KUROI, I., SHIRAISHI, Y., and IMANO, S. Studies of breaking the dormancy of grape vines. I. Effect of lime nitrogen treatment for shortening the rest period of glasshouse-grown grape vines. (Ja) *Jap. Soc. Hort. Sci. J.* 32(3):27-32. Ref. Sept.1963. 87 H78  
English summary.
- 100298 KUROIWA, S., and others. Distribution ration of net photosynthate to photosynthetic and non-photosynthetic systems in shaded plants. *Bot. Mag. Tokyo* 77(908):37-42. Ref. Feb.1964. 450 B651  
T. Hiroi, K. Takada, and M. Monsi, joint authors.
- 100299 KUTYURIN, V. M., ULUBEKOV, M. V., and NAZAROV, N. M. Effect of oxygen concentration upon the rate of photosynthesis and respiration in aquatic plants. (Rus) *Akad. Nauk SSSR. Dok.* 157(1):223-226. 1964. 511 P444A  
*Scenedesmus obliquus*, *Chlorella pyrenoidosa* and *Elodea canadensis*.
- 100300 KUZ'MIN, V. I. Biology of flowering and the structure of flowers of *Polygonum coriarium* Grig. (Rus) *Bot. Zhur. [Moscow]* 49(5):725-731. Ref. May 1964. 451 R923

- 100301 KVARATSKHELIYA, M. S. Effect of caprification on the quality and yields of fig fruit. (Rus) Makharadze. Vses. Nauch.-Issled. Inst. Chaya Subtrop. Kul't. Subtrop. Kul't. 1:133-140. 1963. 68.19 M28  
English summary.  
Artificial pollination.
- 100302 KVITKO, G. P. The effectiveness of supplemental pollination of winter wheat. (Rus) Selek. i Semen. 3:16-18. May/June 1964. 61.9 Se5  
Includes seed viability and yields.
- 100303 LACHOVER, D., and ARNON, I. Appearance of "cotton rust" on certain soils in Israel suffering from a deficiency of potassium; methods of diagnosis. (Fr) Coton et Fibres Trop. 19(2): 279-292. Ref. June 1964. 73.8 C82  
English summary.  
Nutritional deficiencies.
- 100304 LACROIX, L. J., and STANFORTH, D. W. Seed dormancy in velvetleaf [*Abutilon theophrasti*]. Weeds 12(3):171-174. July 1964. 79.8 W41
- 100305 LAI, T. M., FANG, I. J., and SHIEH, T. S. Root surface absorption zone as related to diffusion of immobile ion in soil. (Ch) Taiwan Sugar Expt. Sta. Rpt. 35:91-106. Ref. Mar. 1964. 65.9 T76R  
English summary.
- 100306 LANDSBERG, J. J. Lucerne moisture requirements. Rhodesia Agr. J. 61(3):48-50. May/June 1964. 23 R34
- 100307 LANGHE, E. DE. Influence of parthenocarpy upon floral degeneration of the banana plant. III. (Fr) Fruits 19(6):311-322. Ref. June 1964. 80 F9492  
English summary, p.360.
- 100308 LASCOMBES, G. Physiology and morphogenesis of the sugar beet in mountain climate. (Fr) Toulouse. Soc. d'Hist. Nat. B. 98(1/2):7-174. Ref. First/Second Q. 1963. 505 T64
- 100309 LATIES, G. G., and BUDD, K. The development of differential permeability in isolated steles of corn roots. Natl. Acad. Sci. Proc. 52(2):462-469. Ref. Aug.1964. 500 N21P
- 100310 LAVAGETTO, F., and MCNEIL, A. L. Light, CO<sub>2</sub> concentration, and winter growth rates. Florists' Rev. 134(3482):21-22,78-80. Aug.20, 1964. 80 W41  
Ornamental plants.
- 100311 LAWRENCE, D., and ARDITTI, J. A new medium for the germination of orchid seed. Amer. Orchid Soc. B. 33(9):766-768. Ref. Sept.1964. 80 Am329  
Culture media.
- 100312 LAWRENCE, T., and ASHFORD, R. Seed yield and morphological development of Russian wild ryegrass [*Elymus junceus*] as influenced by grazing. Canad. J. Plant Sci. 44(4): 311-317. Ref. July 1964. 450 C16
- 100313 LEACH, C. M. The relationship of visible and ultra-violet light to sporulation of *Alternaria chrysanthemi*. Brit. Mycol. Soc. Trans. 47(2): 153-158. June 1964. 451 B76
- 100314 LEON GARRE, A. Soilless culture. I-II. (Sp) Cult. Mod. 47(2-3):60-62,100-102. Feb.-Mar. 1964. 15 C89  
Spain.
- 100315 LEWIS, D. C., and BURG, R. H. The relationship between oak tree roots and groundwater in fractured rock as determined by tritium tracing. J. Geophys. Res. 69(12):2579-2588, map. June 15, 1964. 470 J823
- 100316 LI, M. H. The life of seeds and their storage. (Ch) Nongye Jishu 12:17-18. Dec.1962. 22.5 N929
- 100317 LI, Y. C. The influence of different planting date of sweet potato cuttings on the enlargement of their tubers. (Ch) Tso Wu Hsueh Pao. Zuowu Xuebao 2(1):69-82. Feb.1963. 64.8 T78  
English summary.
- 100318 LIANG, Y. F., and TSAO, T. H. The effect of boron on the carbohydrate metabolism of cotton plant. (Ch) Acta Bot. Sinica 11(2/3):178-183. Ref. June/Sept.1963. 450 C432  
English summary.
- 100319 LIEBSTER, G. The influence of high nitrogen applications in late summer on hardness and susceptibility to canker in the apple variety "James Grieve." (Ge) Erwerbsobstbau 5(12): 221-223. Ref. Dec.1963. 80 Er9
- 100320 LIEKENS, H., VOS, J. DE, and GODAERT, A. Effects of the growth inhibitor CCC on early hotbed tomatoes. (Fl) Tuinbouwberichten 28 (3):104-105. Mar.1964. 80 T817
- 100321 LINSER, H. The design of herbicides. In Audus, L. J., ed. The physiology and biochemistry of herbicides, p.483-505. Ref. 1964. 79 Au2  
Literature review.  
Effect on plants.
- 100322 LIU, W. S. A preliminary report on research concerning the pollination and germination of *Juglans regia*. (Ch) Lin Yeh K'o Hsueh 8(2/4): 272-274. Apr./Oct.1963. 99.8 L632
- 100323 LO, S. W., and WANG, H. Growth promoting effects of gibberellin in relation to polysaccharides in plants. (Ch) Acta Biol. Expt. Sinica 8 (3/4):576-585. Ref. Dec.1963. 442.8 Ac85  
English summary.
- 100324 LO, T. Y., and T'ANG, Y. W. Nitrogen metabolism in higher plants. I-III. (Ch) Acta Biol. Expt. Sinica 8(3/4):623-655. Ref. Dec.1963. 442.8 Ac85  
English summaries.  
Rice and wheat studied.
- 100325 LOOMIS, R. S., and TORREY, J. G. Chemical control of vascular cambium initiation in isolated radish roots. Natl. Acad. Sci. Proc. 52 (1):3-11. Ref. July 1964. 500 N21P
- 100326 LOOMIS, R. S., and WORKER, G. F. Restitution of growth in nitrogen deficient sugar beet plants. Amer. Soc. Sugar Beet Technol. J. 12 (8):657-665. Jan.1964. 66.9 Am35J
- 100327 MCCARTY, C. D., LEWIS, L. N., and MOORE, P. W. Skeletonization fails to revitalize declining orange trees. Calif. Citrog. 49(10):383-384, 386-387. Aug.1964. 80 C125  
Pruning.
- 100328 MCFARLAND, W. N. Seasonal plankton productivity in the surfzone of a South Texas Beach. Tex. U. Inst. Mar. Sci. P. 9:77-90. Ref. Dec.1963. 442.9 T31  
Photosynthesis by phytoplankton.
- 100329 MCINTOSH, A. F., and MEYRATH, J. Interdependence of inoculum size and trace element supply in growth of *Aspergillus oryzae*. Arch. f. Mikrobiol. 48(4):368-380. 1964. 442.8 Ar26
- 100330 MCMILLAN, J. R. A. Water economy in crop and animal production. Indian Farming 14(1): 7-10. Apr.1964. 22 In283  
Consumptive use.
- 100331 MAEDA, E., and KAMURO, Y. Influence of antibiotics on the extension in lamina joints of rice plants. (Ja) Crop Sci. Soc. Japan. Proc. 32(3):243-249. Ref. Mar.1964. 22.5 C88  
English summary.
- 100332 MANTROVA, E. Z. Requirements of ornamental plants in nutritive substances during individual growing stages. (Rus) Nauch. Dok. Vyshei Shkoly. Biol. Nauki 2:148-153. 1963. 442.8 N22
- 100333 MATVEEV, V. I. Flowering of *Elodea canadensis* Rich. in waters of Middle Volga River area. (Rus) Bot. Zhur. [Moscow] 49(5):743-744. May 1964. 451 R923
- 100334 MAULDIN, W. G., and MUZIK, T. J. Formative response of *Amsinckia intermedia* to the interrelated effects of low temperature, thiamin and 2,4-dichlorophenoxyacetic acid. Nature [London] 203(4943):427. July 25, 1964. 472 N21
- 100335 MAY, P., and ANTCLIFF, A. J. Fruit bud initiation. Austral. Inst. Agr. Sci. J. 30(2):106-112. Ref. June 1964. 23 Au74  
Includes effects of light, auxins, gibberellins, and kinins.
- 100336 MAYORAL, B. M., KAPLAN, L., and PAPPELIS, A. J. Carbohydrate utilization by *Cephalophora tropica*. Mycologia 56(4):626-630. July/Aug.1964. 450 M99



- 100337 MAZIA, D., and TYLER, A., ed. General physiology of cell specialization. New York, 1963. 434 p. (McGraw-Hill Publications in the Biological Sciences. Series in Organism Biology) 442 M453  
Includes plants.
- 100338 MAZZOCCHI, G., and PUCCI, E. Preliminary observations on the cold requirements of various fruit types in Tripolitania. (It) Riv. di Agr. Subtrop. e Trop. 57(10/12):370-394. Ref. Oct./Dec.1963. 26 Ag82  
English summary.
- 100339 MELNICK, V. L. M., HOLM, L., and STRUCK-MEYER, B. E. Physiological studies on fruit development by means of ovule transplantation in vivo. Science 145(3632):609-611. Aug. 7, 1964. 470 Sci2  
Redpepper as test plant.
- 100340 MEYRATH, J. Metabolic properties of microorganisms in vibrating culture. Experientia 20(5):257-258. May 15, 1964. 475 Ex7  
Aspergillus oryzae.
- 100341 MIKHAILOVA, A. M. Growth substances increase flax yields. (Rus) Len i Konoplya 6: 14-15. 1964. 73.8 L542
- 100342 MKSIEWICZ, M. Causes of cauliflower heart deformation. (Pol) Ochrona Roslin 7(6): 23-24. June 1963. 464.8 Oc32  
Molybdenum deficiency or larvae of Contarinia nasturtii.
- 100343 MITRA, G. N. Effect of different methods of short-day treatment on flowering of rice. Sci. & Cult. 30(3):147-150. Mar.1964. 475 Sci24
- 100344 MOHR, H., MEYER, U., and HARTMANN, K. Influencing fern spore germination (*Osmunda cinnamomea* (L.) and *O. claytoniana* (L.)) via the phytochrome system and photosynthesis. (Ge) Planta 60(5):483-496. Ref. 1964. 450 P693  
English summary.
- 100345 MOLKHOVA, E. Study of the development of embryo sacks and pollination and fructification of *Capsicum annuum* L. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Rasteniyeud. Izv. 17: 49-56. Ref. 1963. 451 B872  
German summary.
- 100346 MONSON, W. G., and DAVIS, F. S. Dormancy in western ironweed [*Vernonia baldwinii*] and leafy spruce [*Euphorbia esula*]. Weeds 12(3): 238-239. July 1964. 79.8 W41
- 100347 MOONEY, H. A., and STRAIN, B. R. Bark photosynthesis in ocotillo [*Fouquieria splendens*]. Madrono 17(7):230-233. July 1964. 450 M26
- 100348 MORGAN, C. N. Pre-germinate seed for early cucumbers. Queensland Agr. J. 90(7):401-402. July 1964. 23 Q33
- 100349 MORRIS, D. A. Capsule dehiscence in *Gossypium*. Empire Cotton Growing Rev. 41(3):167-171. Ref. July 1964. 72.8 Em7  
Includes abscission.
- 100350 MOSS, D. N. The effect of environment on gas exchange of leaves. Conn. Agr. Expt. Sta. B. 664:86-101. Ref. Dec.1963. 100 C76St  
Includes discussion.
- 100351 MURASHIGE, T., and BACON, P. CCC as a growth retardant for potted poinsettias in Hawaii. Hawaii Farm Sci. 13(2):6-8. Apr.1964. 100 H314
- 100352 MYERS, J. The algal photosynthetic gas exchanger. Biol. Space Syst. Symp. [Pap] 1962: 5-7. 1963. 159.21 B52
- 100353 NAGUIB, M. I. Effect of maleic hydrazide on respiration, sucrose inversion and uptake by starved and sucrose-fed etiolated barley leaves. Indian J. Agr. Sci. 33(4):226-231. Ref. Dec.1963. 22 Ag83I
- 100354 NAITO, H. A facilitated examination technique for vital activity of cereal grains. 1. The comparison of rice activity of germination and reduction methods. (Ja) Tokyo. Food Res. Inst. Rpt. 18:77-81. Mar.1964. 389.9 T57  
English summary.
- 100355 NAKAMURA, E., and ASAHIRA, T. Studies on the branching in *Pisum sativum*. III. Effects of temperature on the branching. (Ja) Jap. Soc. Hort. Sci. J. 32(3):57-62. Ref. Sept.1963. 87 H78  
English summary.
- 100356 NAQVI, S. N., and HAMID, Q. Water requirements of plants in West Pakistan. Agr. Pakistan 14(4):381-394, map. Dec.1963. 22 Ag832
- 100357 NEAL, O. M., and others. A method for studying root regeneration in cuttings. W. Va. Acad. Sci. Proc. 35:66-71. Ref. 1963, pub.1964. 500 W52  
A. P. Dye, R. E. Amos, and M. T. Rennix, joint authors.  
Trials with Ilex.
- 100358 NEGRUTSKII, S. F. Effect of vitamins B1 and H and gibberellin on growth of *Fomitopsis annosa* (Fr.) Karst. (Rus) Nauch. Dok. Vyshei Shkoly. Biol. Nauki 2:144-147. 1963. 442.8 N22
- 100359 NEUMANN, J., and JAGENDORF, A. T. Light-induced pH changes related to phosphorylation by chloroplasts. Arch. Biochem. & Biophys. 107(1):109-119. Ref. July 1964. 381 Ar2  
From spinach.
- 100360 NEURAY, G. Growth and development of *Cyclamen persicum*. (Fr) Pepinieristes Hort. Maraichers 41:1627-1629. Nov.1963 80 P39
- 100361 NI, T. S. The relation of light intensity and nitrogen supply to the leaf growth and dry weight distribution of cotton plant. (Ch) Acta Biol. Expt. Sinica 8(3/4):611-622. Ref. Dec.1963. 442.8 Ac85  
English summary.
- 100362 NICHOLS, R. Mineral deficiency symptoms of pigeonpeas (*Cajanus cajan*). Agr. Soc. Trinidad & Tobago. J. 64(1):27-29. Mar.1964. 8 T73
- 100363 NICOLLS, K. D., and HONEYSETT, J. L. The cobalt status of Tasmanian soils. I. Total cobalt in soils, and cobalt content of subterranean clover grown in pots. Austral. J. Agr. Res. 15 (3):368-376. Ref. May 1964. 23 Au783
- 100364 NIEH, H. M. The influence of temperature and moisture on Chinese cabbage. (Ch) Nongye Jishu 8:25-27. Aug.1963. 22.5 N929
- 100365 NIEH, H. T. Preliminary investigation of the fruiting and flowering of broadbeans. (Ch) Tso Wu Hsueh Pao. Zuowu Xuebao 2(1):113-115. Feb.1963. 64.8 T78
- 100366 NISHIIRI, K., KUDO, S., and KINEBUCHI, M. Studies on the growing process of soybean plant with stable manure and three nutrient elements in the virgin volcanic ash soil. (Ja) Crop Sci. Soc. Japan. Proc. 32(3):213-216. Mar.1964. 22.5 C88  
English summary.
- 100367 NJOKU, E. Seasonal periodicity in the growth and development of some forest trees in Nigeria. II. Observations on seedlings. J. Ecol. 52(1):19-26. Mar.1964. 450 J829
- 100368 NORRIS, W. E., and TREADWELL, R. W. The effect of 2,4-dinitrophenol on respiration of onion roots. Tex. J. Sci. 15(3):284-292. Ref. Sept.1963. 470 T31
- 100369 OBA, T., and others. Studies on the agronomical problems for favourable growth of soybean plant. I. The growing process of soybean plant on a grower's field with high productivity. (Ja) Crop Sci. Soc. Japan. Proc. 32(3):233-236. Mar.1964. 22.5 C88  
I. Katsura, S. Kudo, and M. Kinebuchi, joint authors.  
English summary.
- 100370 ODUM, H. T. Productivity measurements in Texas turtle grass and the effects of dredging an intracoastal channel. Tex. U. Inst. Mar. Sci. P. 9:48-58, map. Ref. Dec.1963. 442.9 T31  
Thalassia testudinum and Diplanthera wrighitii.
- 100371 OERTLI, J. J. Azalea nutrition disorders. 1. Nitrogen, phosphorus and potassium deficiencies. Florists' Rev. 134(3482):20, 62; (3483): 21, 62-63; (3484):31, 80. Aug.-Sept.1964. 80 W41
- 100372 OGAKI, C., FUZITA, K., and ITO, H. Investigations on the cause and control of alternate bearing of Unshu orange trees. IV. Nitrogen and carbohydrate contents in the shoots as related to blooming and fruiting. (Ja) Jap. Soc. Hort. Sci. J. 32(3):9-19. Ref. Sept.1963. 87 H78  
English summary.



- 100373 OHMAN, J. H., and KOMMEDAHL, T. Plant extracts, residues, and soil minerals in relation to competition of quackgrass [*Agropyron repens*] with oats and alfalfa. *Weeds* 12(3):222-231. Ref. July 1964. 79.8 W41
- 100374 OLSON, R. A., and others. Water requirements of grain crops as modified by fertilizer use. *Agron. J.* 56(4):427-432. July/Aug. 1964. 4 Am34P  
C. A. Thompson, P. H. Grabouski, D. D. Stukenholtz, K. D. Frank, and A. F. Dreier, joint authors.
- 100375 OPTIZ, K. W. Why olive trees bear irregularly. *Calif. Olive Indus. News* 18(3):2,4. Aug. 1964. 80 OL43
- 100376 OSADCHUK, E. A. Utilization of nitrogen by wheat during its ontogenesis. (Rus) *Agrobiologiya* 2:250-253. Mar./Apr. 1964. 20 Ag822
- 100377 OSAWA, T. Studies on the salt tolerance of vegetable crops with special reference to osmotic effects and specific ion effects. (Ja) *Jap. Soc. Hort. Sci. J.* 32(3):63-75. Ref. Sept. 1963. 87 H78  
English summary.
- 100378 OSBORNE, T. S., and LUNDEN, A. O. Seed radiosensitivity: a new constant? *Science* 145(3633):710-711. Ref. Aug. 14, 1964. 470 Sci2
- 100379 OTSUKA, K. Studies on abnormal defoliation of Satsuma orange trees. 1-2. (Ja) *J. Sci. Soil & Manure* 35(1):1-5; (2):65-67. Ref. Jan.-Feb. 1964. 56.8 J27
- 100380 OTTAR, B., and WIK, T. Distribution of strontium-90 and cesium-137 in Norway spruce (*Picea abies*). *Forsvarets Forskiningsinst. Intern Rapp. K-251*, 37 p. Ref. Nov. 15, 1962. 464 Ot8
- 100381 OYAMA, K. The effect of pruning time on the growth after the pruning in mulberry tree. (Ja) *J. Sericult. Sci. Japan* 32(5):297-305. Ref. Oct. 1963. 425.9 Se6  
English summary.
- 100382 PACQUETEAU, A. The deficiency in boron in the turnip of Aubigny. (Fr) *Phytoma* 15(152):32. Nov. 1963. 464.8 P563
- 100383 PALMER, J. M. The effect of streptomycin on the increased rate of metabolism of phosphate, induced by prolonged washing, in sections of etiolated pea stems. *Biochim. et Biophys. Acta* 90(1):186-189. July 15, 1964. 381 B522
- 100384 PANTELEEV, A. N., and ZHUKOV, L. B. The influence of malonic acid on the respiration and change of organic acid of onion. (Rus) *Leninrad. U. Vest. Ser. Biol.* 4:65-71. Ref. 1963. 442.9 L542V  
English summary.
- 100385 PARDE, J. Climatic index and wood production. (Fr) *Acad. d'Agr. de France. Compt. Rend.* 50(6):569-576. Ref. Apr. 8/15, 1964. 14 P215Bc  
Paterson C. V. P. [Climate, Vegetation, Productivity] index.
- 100386 PARK, R. B. Phytosynthetic reactions of cells. In Mazia, D., and Tyler, A., ed. *General physiology of cell specialization*, p. 210-222. Ref. 1963. 442 M453
- 100387 PARRA H., J., and MCCORMICK N., A. How coffee takes advantage of fertilizers; a study with radiophosphorus. (Sp) *Cenicafe* 14(2):95-110. Apr./June 1963. 68.29 C332
- 100388 PAVLOV, K., and DIMITROV, S. Effect of temperature and precipitation on the growth and development of potatoes. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Rastenievud. Izv.* 17:23-48. Ref. 1963. 451 B872  
German summary.
- 100389 PEREIRA, A. S. R. Endogenous growth factors and flower formation in Wedgwood Iris bulbs. *Acta Bot. Neerland.* 13(2):302-321. Ref. July 1964. 450 Ac822
- 100390 PEREIRA, J. F., and YAMAGUCHI, S. Absorption and translocation of arsenate arsenic by coffee plants. *Turrialba* 14(2):91-93. Apr./June 1964. 8 T86
- 100391 PERIS Y PEREZ, P. Artificial lighting in floriculture. (Sp) *Cult. Mod.* 47(1):6-7. Jan. 1964. 15 C89
- 100392 PETERFI, S., and NAGY-TOTH, F. The effect of gibberellin on the growth of green algae. (Rum) *Bucharest. Acad. Repub. Pop. Romine. Comun.* 13(11):957-962. Ref. Nov. 1963. 512 B8522C  
French summary.
- 100393 POPGEORGIEV, G. Study of some phases of growth and development in the Samokov and Sofia region cultivated hop varieties. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Rastenievud. Izv.* 18:99-117. Ref. 1963. 451 B872  
German summary.
- 100394 PRITCHARD, G. I., PIGDEN, W. J., and FOLKINS, L. P. Distribution of potassium, calcium, magnesium, and sodium in grasses at progressive stages of maturity. *Canad. J. Plant Sci.* 44(4):318-324. Ref. July 1964. 450 C16
- 100395 PUDOVKINA, Z. M. Characteristics of the development of cotton varieties and hybrids in various conditions of light. (Rus) *Agrobiologiya* 3:369-373. May/June 1964. 20 Ag822
- 100396 RADEMACHER, B., and KIEWNICK, L. On the influence of mineral and organic fertilizing on the periodicity of germination as well as the life of seeds of wild oats (*Avena fatua* L.). (Ge) *Z. f. Acker- u. Pflanzenbau* 119(4):369-385. Ref. June 1964. 18 J825  
English summary.
- 100397 RAISER, E. Growth substances can be dangerous! (Ge) *Ubersicht* 15(5):302-303. May 10, 1964. 18 Ub3  
Effects on plants.
- 100398 RAVKIN, A. S. Some features of dormancy period of currants and gooseberries in relation to their freezing. (Rus) *Agrobiologiya* 2:314-317. Mar./Apr. 1964. 20 Ag822
- 100399 RAWLINS, S. L. Resistance to water flow in the transpiration stream. *Conn. Agr. Expt. Sta. B.* 664:69-85. Ref. Dec. 1963. 100 C76St  
Includes discussion.
- 100400 REES, A. R. The flowering behaviour of *Clerodendrum incisum* in southern Nigeria. *J. Ecol.* 52(1):9-17. Mar. 1964. 450 J829
- 100401 REES, A. R. Some observations on the flowering behaviour of *Coffea rupestris* in southern Nigeria. *J. Ecol.* 52(1):1-7. Mar. 1964. 450 J829
- 100402 REISNER, H. J. On the influence of fatty acids of average chain length on the respiration of *Puccinia graminis* var. *tritici* uredospores. (Ge) *Z. f. Natforsch.* 19b(5):453-454. May 1964. 474 Z3
- 100403 RENNIX, M. T., and NEAL, O. M. Control of water loss from units used to propagate holly by leaf-bud cuttings. *W. Va. Acad. Sci. Proc.* 35:72-75. 1963, pub. 1964. 500 W52
- 100404 RICHARD, M. L. Les études de nutrition minérale chez les végétaux; contribution à leur méthodologie [A study of the mineral nutrition of plants; contributions to the methodology]. Paris, Institut de Recherches du Coton et des Textiles, 1964. 116 p. 463.34 R38
- 100405 RICHARDSON, J. A. Physics in botany. New York, Pitman, 1964. 325 p. Ref. 463 R392
- 100406 RIJVEN, A. H. G. C. Distribution of phosphorus during wheat grain development. *Austral. J. Biol. Sci.* 17(2):572-574. May 1964. 442.8 Au72
- 100407 ROBERTS, B. R. Effects of water stress on the translocation of photosynthetically assimilated carbon-14 in yellow poplar. In Zimmermann, M. H., ed. *The formation of wood in forest*, p. 273-288. Ref. 1964. 451 Z6
- 100408 ROBERTSON, R. W., and ARMSTRONG, J. M. Factors affecting seed production in *Trifolium medium*. *Canad. J. Plant Sci.* 44(4):337-343. July 1964. 450 C16
- 100409 RODRIGUEZ AGUIRRE, M. J., GARCIA ACHA, I., and VILLANUEVA, J. R. Formation of protoplasts of *Fusarium culmorum* by streptzyme. *Antonie van Leeuwenhoek J. Microbiol. & Serol.* 30(1):33-44. Ref. 1964. 448.8 N28A
- 100410 ROSS, R. G. Do fungicides affect apple yields? Kentville researchers compare effect of four different spray schedules on apple tree performance. *Res. Farmers* 9(3):15-16. Summer 1964. 7 R31



- 100411 ROSS, R. G., and HAMLIN, S. A. Growth of *Venturia inaequalis* in box type Petri dishes. *Canad. J. Bot.* 42(7):956-957. July 1964. 470 C16C
- 100412 ROSSETTI, V. Observations on the false exanthema of citrus. (Por) *Biologico* 29(9):184-188. Sept. 1963. 442.8 B529  
English summary.  
Probably caused by deficiency of minor elements or by a virus.
- 100413 ROSSINSKII, V. I. Evergreen oak. (Rus) *Lesn. Khoz.* 4:24. Apr. 1964. 99.8 L5622  
Physiology.
- 100414 ROTH, J. N., and BRANDT, W. H. Some effects of vitamins on growth and differentiation in *Verticillium*. *Plant Dis. Rptr.* 48(8):649-652. Aug. 15, 1964. 1.9 P69P  
*Verticillium albo-atrum*.
- 100415 ROTINI, O. T. Influence of fertilizing on the composition of forage plants. (It) *Agricoltura* 13(2):55-64. Ref. Feb. 1964. 16 Ag8226
- 100416 ROWBERRY, R. G., and JOHNSTON, G. R. A note on seed and foliar applications of "Gibrel" to Huron potatoes. *Amer. Potato J.* 41(7):212-214. July 1964. 75.8 P842  
*Potassium gibberellate*.
- 100417 RUBIN, B. A., GAVRILENKO, V. F., and GUZHOVA, N. V. Biosynthesis of Fe-porphyrins in the roots, in connection with the metabolism of plants. (Rus) *Akad. Nauk SSSR. Dok.* 156(4):961-963. Ref. 1964. 511 P444A  
Beans.
- 100418 RUSENOVA-KONDAREVA, I. Effect of the length of illumination on the growth and yield of certain pepper varieties. (Bu) *Akad. Sel'skостopanskite Nauk. Bulg. Inst. Rastenievud.* *Izv.* 18:5-16. Ref. 1963. 451 B872  
English summary.
- 100419 RYABCHUN, R. T. The role of grape tendrils. (Rus) *Sadovodstvo* 5:41. May 1964. 80 Sa13
- 100420 SADYKOV, S. S. Speeding early growth and increasing yields of the cotton with the method of loosening old and formation of new hereditary features. (Rus) *Agrobiologiya* 3:364-368. May/June 1964. 20 Ag822  
Chiefly effects of light.
- 100421 SAGAWA, Y., and ISRAEL, H. W. Post-pollination ovule development in *Dendrobium* orchids. I. Introduction. *Caryologia* 17(1):53-64. Ref. Jan./Apr. 1964. 442.8 C25
- 100422 SAITO, T., KONNO, Y., and ITO, H. Studies on the growth and fruiting in the tomato. IV. Effect of the early environment on the growth and fruiting. 4. Fertility of bed soil, watering and spacing. (Ja) *Jap. Soc. Hort. Sci. J.* 32(3):38-48. Ref. Sept. 1963. 87 H78  
English summary.
- 100423 SALISBURY, F. B., and SPOMER, G. G. Leaf temperatures of alpine plants in the field. *Planta* 60(5):497-505. Ref. 1964. 450 P693  
Colorado.
- 100424 SAROSI, MRS. D. Treatment of grape chlorosis with iron chelate. (Hu) *Budapest. Szolesz. Kutato Intezet. Kutatasi Eredmenyei* 2:23-24. 1963. 95.9 B85S
- 100425 SCHALLER, C. W. Protein content in malting barley; production aspects—Western area. *Barley Impr. Conf. Proc.*, 14th Conf.:27-31. 1963. 59.9 M583  
Chiefly nitrogen fertilizing.
- 100426 SCHEFFER, F., KICKUTH, R., and STRICKER, G. Organic compounds from the root zone of *Triticum* varieties. (Ge) *Z. f. Pflanzenernahr. Dungung. Bodenk.* 105(1):13-22. Ref. Apr. 1964. 384 Z343A  
English summary, p. IX.
- 100427 SCHEUERMANN, W. Incorporation of  $S^{35}$  in the root tip meristem of *Vicia faba*. (Ge) *Z. f. Natforsch.* 19b(5):434-438. May 1964. 474 Z3  
In the form of methionine.
- 100428 SCHIDLOVSKY, G. Structure of the photochemical apparatus in photosynthesis. *Biol. Space Syst. Symp. [Pap.]* 1962:105-130. Ref. 1963. 159.21 B52
- 100429 SCHMIDT, B. Germination research on tobacco seeds. (Ge) *Landwirt. Forsch.* 17(1):17-22. Ref. 1964. 18 L2333  
English summary.
- 100430 SCHOLANDER, P. F., and others. Hydrostatic pressure and osmotic potential in leaves of mangroves and some other plants. *Natl. Acad. Sci. Proc.* 52(1):119-125. July 1964. 500 N21P  
H. T. Hammel, E. A. Hemmingsen, and E. D. Bradstreet, joint authors.
- 100431 SCHUSTER, W. From grain seed to stalk. (Ge) *Ubersicht* 15(5):4 p. sup. following p. 306. May 10, 1964. 18 Ub3
- 100432 SCUTT, J. E. Autoinhibitor production by *Chlorella vulgaris*. *Amer. J. Bot.* 51(6, pt. 1): 581-584. Ref. July 1964. 450 Am36
- 100433 SEISEBAEV, A. T. Effect of ultraviolet rays on changes in the corn plant. (Ka) *Akad. Nauk Kazakhskoi SSR. Vest.* 6:61-66. June 1964. 511 AL6  
Russian summary.
- 100434 SELTMANN, H., and KIM, C. S. Anatomy of the leaf axil of *Nicotiana tabacum* L. *Tobacco [New York]* 159(7):25-32. Aug. 14, 1964. 286.89 T552
- 100435 SGUROS, P. L., and SIMMS, J. Role of marine fungi in the biochemistry of the oceans. IV. Growth responses to seawater inorganic macroconstituents. *J. Bact.* 88(2):346-355. Ref. Aug. 1964. 448.3 J82  
*Culcitalna achraspora* and *Halosphaeria medietigera*.
- 100436 SHELBY, C. A. Radioactive fallout in Sargassum drift on Texas Gulf Coast beaches. *Tex. U. Inst. Mar. Sci. P.* 9:33-36. Dec. 1963. 442.9 T31
- 100437 SHEN, I. S., and TUNG, H. L. Study on salt tolerance in sugarcane. (Ch) *Taiwan Sugar Expt. Sta. Rpt.* 35:1-24. Ref. Mar. 1964. 65.9 F76R  
English summary.
- 100438 SHERSTNEV, E. A., and KURILENOK, G. V. The effect of boron on the quantitative content of free amino acids and on the incorporation of  $C^{14}$ -tyrosine in proteins of sunflowers. (Rus) *Bot. Zhur. [Moscow]* 49(5):699-702. Ref. May 1964. 451 R923
- 100439 SHKOL'NIK, M. YA. Effect of minor elements on drought resistance of plants. (Rus) *Akad. Nauk SSSR. Vest.* 2:63-66. Feb. 1964. 511 Ak14V
- 100440 SHUL'GIN, A. High value of petroleum growth substances. (Rus) *Ekon. Sel'sk. Khoz.* 4:104-106. Apr. 1964. 281.8 So73  
Effect on field crops yields.
- 100441 SHUMETOV, G. F. The effect of summer planting and early harvesting on quantity of soluble protein and starch in potatoes. (Rus) *Agrobiologiya* 2:298-300. Mar./Apr. 1964. 20 Ag822
- 100442 SIEGEL, S. M., GIUMARRO, C., and LATTE-RELL, R. Behavior of plants under extraterrestrial conditions: seed germination in atmospheres containing nitrogen oxides. *Natl. Acad. Sci. Proc.* 52(1):11-13. July 1964. 500 N21P
- 100443 SIEGELMAN, H. W., and HENDRICKS, S. B. Phytochrome and its control of plant growth and development. *Advn. Enzymology* 26:1-33. Ref. 1964. 390 N75A
- 100444 SILBER, G. Effectiveness of some chemicals for the prevention of weather fleck of field-grown tobacco. *Tobacco [New York]* 159(8):27-30. Ref. Aug. 21, 1964. 286.89 T552
- 100445 SINGH, A., and PATIL, B. D. Studies on anjan grass (*Cenchrus setigerus* Vahl.). II. Underground organs and their response to defoliation. *Indian J. Agr. Sci.* 33(4):251-260. Dec. 1963. 22 Ag831
- 100446 SINGH, S. P. Effect of foliar spray of micro-nutrients on growth and yield of *Brassica campestris* var. Sarson. *Indian J. Agr. Sci.* 33(4): 232-239. Ref. Dec. 1963. 22 Ag831
- 100447 SKIDMORE, E. L., and STONE, J. F. Physiological role in regulating transpiration rate of the cotton plant. *Agron J.* 56(4):405-410. Ref. July/Aug. 1964. 4 Am34P



- 100448 SLIFE, F. W. The translocation of Amiben in plants. *Hormolog* 4(1):11-12. Nov.1963. 381 H78
- 100449 SMITH, R. S. Effect of diurnal temperature fluctuations on linear growth rate of *Macrophomina phaseoli* in culture. *Phytopathology* 54(7):849-852. Ref. July 1964. 464.8 P56
- 100450 SMOLJAKOVA, V. Effect of fertilizers on the content of phosphorus, potassium and calcium in the grass of cultivated pastures. (Es) *Rohumaaviljelus* 3:152-181. 1962. 60.18 R63 Russian summary.
- 100451 SOKOLOV, S. YA. Growth and development of the branching annual shoot of speckled alder (*Alnus incana*) (according to the observations made during 1958). (Rus) *Bot. Zhur.* [Moscow] 49(6):799-812. June 1964. 451 R923 English summary.
- 100452 SORENSEN, L. O. Growth and decay of *Penicillium capitatus* Lamarck in the Lower Laguna Madre of Texas. *Tex. U. Inst. Mar. Sci. P.* 9:106-111. Dec.1963. 442.9 T31
- 100453 SOSULSKI, F. W., and GORE, R. F. The effect of photoperiod and temperature on the characteristics of flaxseed oil. *Canad. J. Plant Sci.* 44(4):381-382. July 1964. 450 C16
- 100454 SOUBEYRAND, G. Study of fruit culture: 3. Anatomy and physiology of the fruit tree. (Fr) *Arboricult. Fruitiere* 11(121):41-46; (122):25-32. Mar.-Apr.1964. 80 Ar13
- 100455 SRIVASTAVA, R. P. Effect of micro-nutrients on growth characteristics of banana. II. Zinc. *Fert. News* 9(6):26-32. Ref. June 1964. 57.8 F4123
- 100456 STANIER, R. Y. The organization of the photosynthetic apparatus in purple bacteria. In Mazia, D., and Tyler, A., ed. *General physiology of cell specialization*, p.242-252. Ref. 1963. 442 M453
- 100457 STANKO, S. A. The effect of preplanting irradiation of potato tubers by white and concentrated monochromatic sunlight on the synthesis and composition of anthocyanins, growth of green mass and on yield. (Rus) *Akad. Nauk SSSR. Dok.* 156(5):1232-1235. 1964. 511 P444A
- 100458 STEPANOVA, A. M. The influence of light intensities on the growth and photosynthesis of *Chlorella*. (Rus) *Leningrad. U. Vest. Ser. Biol.* 4:72-85. Ref. 1963. 442.9 L542V English summary.
- 100459 STEPHEN, R. C. Potash deficiency in South Otago; trials with ryegrass-white clover, trials with lucerne. *New Zeal. J. Agr.* 109(1):18-19, 25, map. July 15, 1964. 23 N48J
- 100460 STEVENS, O. A. Early flowering of dandelion and silver maple. *N. Dak. Acad. Sci. Proc.* 17:107. Dec.1963. 500 N813
- 100461 STEVENSON, C. D., and CARROLL, E. T. Control of bitter pit in early-picked Granny Smith apples. *Queensland J. Agr. Sci.* 20(4):533-535. Dec.1963. 23 Q37 With calcium chloride and calcium nitrate sprays.
- 100462 STEWARD, F. C., and KRIKORIAN, A. D. Plants at work; a summary of plant physiology. Reading, Mass., 1964. 184 p. 463.3 St4P
- 100463 STOMATA and water relations in plants; papers and discussions given July 1 to 12, 1963, as part of the Advanced Science Seminar on the Physiology and Biochemistry of Leaf Stomata, edited by I. Zelitch. *Conn. Agr. Expt. Sta. B.* 664, 116 p. Dec.1963. 100 C76St
- 100464 STONER, C. D., HODGES, T. K., and HANSON, J. B. Chloramphenicol as an inhibitor of energy-linked processes in maize mitochondria. *Nature* [London] 203(4942):258-261. Ref. July 18, 1964. 472 N21
- 100465 STOUTEMYER, V. T. Juvenility and flowering potential in woody plants. *Amer. Hort. Mag.* 43(3):161-167. Ref. July 1964. 80 N216
- 100466 STURGESS, O. W. The sterile cultivation of excised roots of sugar cane. *Queensland. Bur. Sugar Expt. Sta. Tech. Commun.* 1/5:3-16. 1964. 65.9 Q3T
- 100467 SUBBIAH, B. V., and MANNIKAR, N. D. Selection of green-manure crops for the uptake of subsoil phosphorus—studies with P32. *Indian J. Agr. Sci.* 34(1):21-27. Mar.1964. 22 Ag83I *Crotalaria juncea*, *Sesbania aculeata*, and *Cyanopsis tetragonoloba*.
- 100468 SUTTON, D. C., and DWYER, K. R. Cerium-144 and cesium-137 measurements in the 1963 United States wheat crop and milling products. *Science* 145(3631):486-487. Ref. July 31, 1964. 470 Sci2
- 100469 SVEINSON, O. Viability of timothy and red clover after long storage under different climatic conditions. (No) *Norway. Stat. Frokont. Meld.* 1962/63:32-41. 61.4 N832
- 100470 SWAN, D. C., and BARNETT, H. L. The effect of light on sporulation of *Epicoccum nigrum*. *W. Va. Acad. Sci. Proc.* 35:46-50. 1963, pub. 1964. 500 W52
- 100471 TABLER, R. D. The root system of *Artemisia tridentata* at 9,500 feet in Wyoming. *Ecology* 45(3):633-636. Summer 1964. 410 Ec7
- 100472 TAIRA, H. Studies on amino acid contents in food crops. 7. Effect of the difference of ripening stage on amino acids in the sorghum. (Ja) *Tokyo. Food Res. Inst. Rpt.* 18:82-83. Mar. 1964. 389.9 T57 English summary.
- 100473 TAKAHASHI, E., and OKUDA, A. Studies on the plant physiological role of silicon for crop plants. 2. Effects of light on the silicon uptake by the seedlings of rice plants. (Ja) *J. Sci. Soil & Manure* 34(11):397-402. Nov.1963. 56.8 J27
- 100474 TAMURA, S., and SAKURAI, A. Syntheses of several compounds related to helminthosporol and their plant growth-regulating activities. *Agr. & Biol. Chem.* 28(5):337-338. May 1964. 385 Ag8B
- 100475 T'ANG, P. S., and others. A preliminary report on the influence of 2,4-dinitrophenol on the vernalization of winter wheat. (Ch) *Acta Biol. Expt. Sinica* 8(3/4):586-593. Ref. Dec.1963. 442.8 Ac85 K. H. T'an, F. Y. Li, and H. W. Ho, joint authors. Russian summary.
- 100476 TARNOVSKA, K., and GEORGIEVA, N. Dry matter content in tomatoes in accordance with open air conditions and variety features. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Ras-tenievud. Izv.* 18:41-50. Ref. 1963. 451 B872 English summary. Effects of various cultural factors.
- 100477 TATARINOVA, N. K. Methods of studying longevity of roots in meadow grasses. (Rus) *Bot. Zhur.* [Moscow] 49(5):678-681. May 1964. 451 R923
- 100478 TATARINTSEV, A. S., and KOZLOV, V. I. The effect of quantitative interrelation of components of pollen mixture on selectivity of fertilization. (Rus) *Agrobiologiya* 2:300. Mar./Apr. 1964. 20 Ag822 Apples.
- 100479 TEMPLETON, A. R., and ELLIOTT, E. S. Sporulation of *Septoria oudemansii* in culture. *W. Va. Acad. Sci. Proc.* 35:43-45. 1963, pub. 1964. 500 W52
- 100480 TER-AVANESYAN, D. V. The role of foreign pollen in the hybridization of cotton. (Rus) *Agrobiologiya* 3:386-393. May/June 1964. 20 Ag822 Chiefly *Hibiscus cannabinus* and *H. coccineus*.
- 100481 TEW, R. W., SANE, J. O., and GECKLER, R. P. Highly concentrated carbon dioxide as a carbon source for continuous algae cultures. *Biol. Space Syst. Symp.* [Pap.] 1962:64-80. Ref. 1963. 159.21 B52
- 100482 THAINE, R., and PRESTON, R. D. The role of transcellular streaming in phloem transport. In Zimmermann, M. H., ed. *The formation of wood in forest*, p.259-272. Ref. 1964. 451 Z6
- 100483 THROWER, S. L. Translocation of labelled assimilates in the soybean. III. *Austral. J. Biol. Sci.* 17(2):412-435. Ref. May 1964. 442.8 Au72



- 100484 TIBENSKA, M., and others. Metabolism of amino acids in the formation of vitamin B<sub>12</sub> in a race of *Actinomyces olivaceus*. (Ge) *Biologia [Bratislava]* 18(12):928-936. Ref. 1963. 442.8 B5265  
E. Lishakova, E. Buntova, and S. Barica, joint authors.
- 100485 TIZIO, R. Effect of the radicular system on the tuberization of the potato. (Fr) *Acad. des Sci. Compt. Rend.* 258(26):6503-6506. Ref. June 29, 1964. 505 P21
- 100486 TIZIO, R. Recent research into the action exercised on the tuberization of the potato by the radicular system. (Fr) *Acad. des Sci. Compt. Rend.* 259(2):428-431. July 15, 1964. 505 P21
- 100487 TOD, H. Thiocyanate "scorch" on grassland. *J. Sci. Food & Agr.* 15(6):362-364. June 1964. 382 So12
- 100488 TOGASHI, M. Seed scattering of *Securinega suffruticosa*. (Ja) *J. Jap. Bot.* 39(2):30. Feb. 1964. 450 J8223
- 100489 TOMPKINS, D. R. Internal browning of tomato fruits as influenced by four growth regulators. *Plant Dis. Rptr.* 48(7):528-529. July 15, 1964. 1.9 P69P
- 100490 TRANKOVSKII, D. A. Development of pollen in two remote hybrids of peavine (*Lathyrus*). (Rus) *Moskov. Obshch. Isp. Prirody. B. Otd. Biol.* 3:91-97. Ref. May/June 1964. 511 M85
- 100491 TRANQUILLINI, W. Photosynthesis and dry matter production of trees at high altitudes. In Zimmermann, M. H., ed. *The formation of wood in forest*, p.505-518. Ref. 1964. 451 Z6
- 100492 TRAVNIKOVA, L. S. Effect of fertilizers on absorption of minor elements by plants. (Rus) *Nauch. Dok. Vysshei Shkoly. Biol. Nauki* 2:192-195. 1963. 442.8 N22  
Field crops.
- 100493 TREADWELL, R. W., and NORRIS, W. E. The effect of water on respiration of onion roots. *Tex. J. Sci.* 15(2):207-213. Ref. June 1963. 470 T31
- 100494 TRZCINSKI, T., and FERAUGE, M. T. Ferric chlorosis in fruit trees. (Fr) *Parasitica* 19(4): 153-171. Ref. 1963. 464.8 P21
- 100495 TS'ENG, C. K., CHANG, T. J., and CHAO, J. Y. Comparative studies on the influence of the temperature factor on the formation and discharge of conchospores of different species of *Porphyra*. (Ch) *Acta Bot. Sinica* 11(2/3): 261-271. June/Sept. 1963. 450 C432  
English summary.
- 100496 TS'UI, C. H., HU, H. P., and SUN, T. H. First report on the experiments on multiple fruiting of Meikuei-hsiang grapes. (Ch) *Yuan Hsueh Pao* 2(1):29-36. Feb. 1963. 80 Y9
- 100497 TSUYAMA, T. On the double-flowering trends of the wild snow Camellias. (Ja) *J. Jap. Bot.* 38(10):1-10. Ref. Oct. 1963. 450 J8223  
English summary.  
*Camellia rusticana*.
- 100498 TURIAN, G. On the mechanism of induction of isocitratase in *Allomyces* and *Neurospora*. (Fr) *Path. et Microbiol.* 26(5):553-563. Ref. 1963. 448.8 Sch9  
English summary.
- 100499 UDACHIN, R. A., and TOSHCHEVA, M. N. Resistance of soft wheat and barley to the frost during late phases of development. (Rus) *Agrobiologiya* 2:301-303. Mar./Apr. 1964. 20 Ag822
- 100500 UNCIANSCHI, L., and others. Research on water consumption by rice grown on sandy-loam alluvial soil in the Calmatui-Gropeni area. (Rum) *Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. Ser. A*, 30:265-278. 1962, pub. 1963. 21 R86A  
M. Bottzan, Z. Maianu, I. Albescu, and D. Talamba, joint authors.  
French summary.
- 100501 VAN OVERBEEK, J. Survey of mechanisms of herbicide action. In Audus, L. J., ed. *The physiology and biochemistry of herbicides*, p.387-400. Ref. 1964. 79 Au2  
Literature review.
- 100502 VASAN'KO, A. A., and GORYACHEVA, E. S. Photosynthesis of leaves. (Rus) *Sadovodstvo* 6:24-25. June 1964. 80 Sa13  
Grapes.
- 100503 VASIL, I. K. Studies on pollen germination of certain Solanaceae. *Torrey Bot. Club. B.* 91(5): 370-377. Ref. Sept./Oct. 1964. 451 T63B
- 100504 VELICAN, V. Some results with regard to the emergency power and the depth of formation of the tillering node in the winter barley. (Rum) *Cluj. Inst. Agron. "Dr. Petru Groza."* *Lucrari Sti.* 19:69-78. Ref. 1964. 21 C622  
English summary.
- 100505 VERESS, S., RUSU, E., and GERGELY, I. Observations on the comportment of the vegetative stocks E.M.IV and E.M.XI, compared to the wild apple tree, on slopes. (Rum) *Cluj. Inst. Agron. "Dr. Petru Groza."* *Lucrari Sti.* 19:179-188. 1964. 21 C622  
English summary.  
Study of the root system.
- 100506 VERGARA, B. S., LILIS, R., and TANAKA, A. Relationship between length of growing period and yield of rice plants under a limited nitrogen supply. *Soil Sci. & Plant Nutr.* 10(2):15-21. Mar. 1964. 56.8 So38
- 100507 VERNON, L. P. Mechanism of oxygen evolution in photosynthesis. *Biol. Space Syst. Symp. [Pap.]* 1962:131-198. Ref. 1963. 159.21 B52
- 100508 VETO, F. Mobilization of fluids in biological objects by means of temperature gradient. *Acta Physiol.* 24(2):119-128. Ref. 1963. 448.8 Ac84  
Experiment with plant tissues.
- 100509 VICKERY, R. S., and MERCER, F. V. The uptake of sucrose by bean leaf tissue. I. The general nature of the uptake. *Austral. J. Biol. Sci.* 17(2):338-347. Ref. May 1964. 442.8 Au72
- 100510 VINES, A. E., and REES, I. Plant and animal biology. Ed. 2. London, Pitman, 1964. 2 v. 442 V75  
Includes insects.
- 100511 VITANOV, M., and IONCHEVA, M. Studies on the behavior of various fruit species and varieties against winter and spring frosts in Dryanovo. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Ovoshtarstvo. Izv.* 5:51-75. 1963. 86 G16  
German summary.  
Resistance studies.
- 100512 VITANOV, M. Studies on the biology of *Polystigma rubrum* (Pers.) D.C., causal agent of the red spot disease of plum. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Ovoshtarstvo. Izv.* 5:113-134. Ref. 1963. 86 G16  
German summary.
- 100513 WAIN, R. L. The behaviour of herbicides in the plant in relation to selectivity. In Audus, L. J., ed. *The physiology and biochemistry of herbicides*, p.465-481. Ref. 1964. 79 Au2  
Literature review.
- 100514 WALLIHAN, E. F. Critical concentrations of iron in plants. *Advn. Frontiers Plant Sci.* 4: 189-191. Ref. 1963. 452.4 V81
- 100515 WANG, S. S. The rate of ascending flow in arboreal species. (Rus) *Akad. Nauk SSSR. Dok.* 156(3):706-707. 1964. 511 P444A  
With reference to transpiration.
- 100516 WARBURG, O., KRIPPAHL, G., and BIRKICHT, E. Quantum chemistry of photosynthesis, automatically described. (Ge) *Biochem. Z.* 340(1): 1-12. July 8, 1964. 384 B522
- 100517 WAREING, P. F., HANNEY, C. E. A., and DIGBY, J. The role of endogenous hormones in cambial activity and xylem differentiation. In Zimmermann, M. H., ed. *The formation of wood in forest*, p.323-344. Ref. 1964. 451 Z6
- 100518 WATSON, P. Spore germination in *Spinellus macrocarpus*. *Brit. Mycol. Soc. Trans.* 47(2): 239-245. Ref. June 1964. 451 B76
- 100519 WEBER, C. I. A study of photosynthesis in Clear Lake, Iowa. *Iowa Acad. Sci. Proc.* 70:79-87, map. Ref. 1963. 500 Io93  
Algae.



- 100520 WELLMAN, A. M., and WALDEN, D. B. Qualitative and quantitative estimates of viability for some fungi after periods of storage in liquid nitrogen. *Canad. J. Microbiol.* 10(4):585-593. Ref. Aug. 1964. 448.8 C162  
Tests of *Neurospora crassa* and *Sordaria fimicola*.
- 100521 WHITNEY, H. S. Sporulation of *Thanatephorus cucumeris* (*Rhizoctonia solani*) in the light and in the dark. *Phytopathology* 54(7):874-875. July 1964. 464.8 P56
- 100522 WHITTINGHAM, C. P. Photosynthesis. *Sci. Prog.* [London] 52(207):375-385. July 1964. 472 Sci22
- 100523 WICKS, G. A., and DERSCHIED, L. A. Leafy spurge [*Euphorbia esula*] seed maturation. *Weeds* 12(3):175-176. July 1964. 79.8 W41
- 100524 WIESNER, L. E., and KINCH, R. C. Seed dormancy in green needlegrass [*Stipa viridula*]. *Agron. J.* 56(4):371-373. Ref. July/Aug. 1964. 4 Am34P
- 100525 WILD, A. Soluble phosphate in soil and uptake by plants. *Nature* [London] 203(4942):326-327. July 18, 1964. 472 N21
- 100526 WILKS, S. S. Preliminary report on the photosynthetic gas exchange potentialities on the family Lemnaceae (duckweed). *Biol. Space. Syst. Symp.* [Pap.] 1962:265-278. Ref. 1963. 159.21 B52
- 100527 WILLIAMS, H. H. Physiology and morphology of *Dichondra* as related to cultural practices. *Lasca Leaves* 14(3):54-63. July 1964. 450 L33 California.
- 100528 WILNER, J. Seasonal changes in electrical resistance of apple shoots as a criterion of their maturity. *Canad. J. Plant Sci.* 44(4):329-331. July 1964. 450 C16
- 100529 WILSON, E. Growth, development of the rice plant. *Rice J.* 67(7):35, 37-38. June 30, 1964. 59.8 R36
- 100530 WOOD, G. W., and BARKER, W. G. Preservation of blueberry pollen by the freeze-drying process. *Canad. J. Plant Sci.* 44(4):387-388. July 1964. 450 C16  
Effect on viability.
- 100531 WORT, D. J. Effects of herbicides on plant composition and metabolism. In Audus, L. J., ed. *The physiology and biochemistry of herbicides*, p.291-334. Ref. 1964. 79 Au2  
Literature review.
- 100532 WU, M. H. Effects of phosphorous, potassium and inoculation on the growth of soybean. (Ch) *J. Agr. & Forestry* 12:175-180. Oct. 1963. 22.5 J823  
English summary.
- 100533 WU, W. M., and FU, S. S. The nitrogen absorption of rape and fertilizer application. (Ch) *Nongye Jishu* 12:10-12. Dec. 1962. 22.5 N929
- 100534 YADOV, C. N., and MEHTA, B. V. Residual effects of sodium salts on the growth and chemical composition of sannhemp (*Crotalaria juncea* L.) grown on goradu soil. I. *Indian J. Agr. Sci.* 33(4):244-250. Dec. 1963. 22 Ag83I
- 100535 YAMADA, N., and others. Chemical control of plant growth and development. 5. Effect of kinetin and other chemicals on degradation of chlorophyll in rice plant. *Crop Sci. Soc. Japan. Proc.* 32(3):254-258. Ref. Mar. 1964. 22.5 C88  
H. Suge, H. Nakamura, and K. Tazima, joint authors.
- 100536 YAMAZAKI, K. Studies on leaf formation in rice plants. IV. (Ja) *Crop Sci. Soc. Japan. Proc.* 32(3):237-242. Mar. 1964. 22.5 C88  
English summary.
- 100537 YANAGISAWA, Y. Influences of some environmental conditions upon the growth and development of the flax plant, *Linum usitatissimum* L. (Ja) *Crop Sci. Soc. Japan. Proc.* 32(3):229-232. Mar. 1964. 22.5 C88  
English summary.
- 100538 YANG, T. T. Effect of water absorption and transpiration on translocation of  $P^{32}$  in sugarcane roots. (Ch) *Taiwan Sugar Expt. Sta. Rpt.* 35:107-118. Ref. Mar. 1964. 65.9 F76R  
English summary.
- 100539 YANG, Y. C. Preliminary study on the exosmosis phenomenon of nutrients of rape. (Ch) *Tso Wu Hsueh Pao. Zuowu Xuebao* 2(1):115-116. Feb. 1963. 64.8 T78
- 100540 YEO, P. F. The growth of *Euphrasia* in cultivation. *Watsonia* 6(1):1-24. Ref. May 1964. 450 W33
- 100541 YERMANOS, D. M., and DAVIDSON, J. Flower and capsule abscission in flax (*Linum usitatissimum* L.). *Agron. J.* 56(4):442. July/Aug. 1964. 4 Am34P
- 100542 YOMO, H., and IINUMA, H.  $\alpha$ -Amylase production in the endosperm flinders of ungerminated barley treated with gibberellin (the relation with their respiration). *Agr. & Biol. Chem.* 28(5):273-278. May 1964. 385 Ag8B
- 100543 YU, S. V., and others. Drought injury of rice plant at booting and blooming stage with reference to the redistribution of water in plant. (Ch) *Tso Wu Hsueh Pao. Zuowu Xuebao* 2(1):95-102. Ref. Feb. 1963. 64.8 T78  
C. T. Liu, T. S. Sung, and C. J. Hung, joint authors.  
English summary.
- 100544 YU, S. V., and others. The sources of grain material, the mobilization and redistribution of material among organs and between culms of the wheat plant, and the soil moisture effect. (Ch) *Acta Bot. Sinica* 12(1):88-99. Ref. Mar. 1964. 450 C432  
H. C. Wang, J. Chien, and H. C. Yin, joint authors.  
English summary.
- 100545 YU, Y. N., and others. Studies on the physiology of cellulose-decomposing fungus of *Trichoderma koningi* Oudemans. (Ch) *Acta Bot. Sinica* 11(2/3):191-199. Ref. June/Sept. 1963. 450 C432  
F. S. Chiang, T. Y. Fang, and C. Y. Wang, joint authors.  
English summary.
- 100546 YUSUPOV, A. A. A contribution to the problem of biological impairment of winter durum wheat by soft wheat. (Rus) *Agrobiologiya* 2:216-225. Mar./Apr. 1964. 20 Ag822  
Natural hybridization and pollination.
- 100547 ZAFRIR, D. Artificial pollination in *Pistacia vera* L. (He) *La-Yaaran* 14(2):26-34. June 1964. 99.9 So19  
English summary, p.45.
- 100548 ZAFRIR, D. Flowering of *Pistacia* sp. in Israel. (He) *La-Yaaran* 14(1):4-7. Mar. 1964. 99.9 So19  
English summary, p.16.
- 100549 ZAISHLYI, V. I. Study of the intensity of accumulation and consumption of assimilants in the leaves of sterile forms of corn and the fertile ones. (Rus) *Vest. Sel'skokhoz. Nauki* [Moscow] 4:29-33. 1964. 20 V633  
English summary.
- 100550 ZELITCH, I. The control and mechanisms of stomatal movement. *Conn. Agr. Expt. Sta. B.* 664:18-42. Ref. Dec. 1963. 100 C76St  
Includes discussion.
- 100551 ZHDANOVA, L. P. The content of volatile acids in leaves and seeds of ripening oil plants. (Rus) *Akad. Nauk SSSR. Dok.* 156(5):1229-1231. Ref. 1964. 511 P444A
- 100552 ZHEBRAK, E. A. The intensity of photosynthesis in diploid and tetraploid buckwheat. Minsk. *Belaruskaya Akad. Navuk. Vestsi. Ser. Biyal.* Navuk 1:81-86. 1964. 442.8 M66  
Text in Belorussian.  
Russian summary.
- 100553 ZHURBITSKII, Z. I. Plant nutrition and application of fertilizers. (Rus) *Zemledelie* 4:52-55. Apr. 1964. 20 Z44
- 100554 ZIEGLER, H. Storage, mobilization and distribution of reserve material in trees. In Zimmermann, M. H., ed. *The formation of wood in forest*, p.303-320. Ref. 1964. 451 Z6
- 100555 ZIMMERMAN-GRIES, S. The occurrence of potato heat-necrosis symptoms in Israel and the use of affected tubers as seed. *European Potato J.* 7(2):112-118. June 1964. 75.8 Eu7



- 100556 ZIMMERMANN, M. H. The relation of transport to growth in dicotyledonous trees. In Zimmermann, M. H., ed. The formation of wood in forest, p.289-301. Ref. 1964. 451 Z6
- 100557 ZOTOTUKHIN, L. A. Formation of roots in the crown shoots of pear. (Rus) Sadovodstvo 5:23. May 1964. 80 Sa13  
Includes growth substances.
- 100558 ZUBRISKI, J. C. Protein content in malting barley; production aspects—Midwest. Barley Impr. Conf. Proc., 14th Conf.:31-39. 1963. 59.9 M583  
Chiefly nitrogen fertilizing.
- 100559 ZUKEL, J. W. Slowing tree and shrub growth with retardant MH-30T. Weeds & Turf 3(8):20. Aug.1964. 79.8 W413

## BIOCHEMISTRY

- 100560 AHMED, Z. F., RIZK, A. M., and HAMOUDA, F. M. Phytochemical studies on Egyptian *Pan-cratiun* species. Lloydia 27(2):115-134. Ref. June 1964. 442.8 L77
- 100561 ALWORTH, W. L., LIEBMAN, A. A., and RA-POPORT, H. The biosynthesis of nicotine in *Nicotiana glutinosa* from carbon-14 dioxide. Amer. Chem. Soc. J. 86(16):3375-3381. Aug.20,1964. 381 Am33J
- 100562 AMBERGER, A., and EL-FOULY, M. M. The ascorbic acid oxidase activity and ascorbic acid content in plants supplied with different forms of nitrogen and trace elements. (Ge) Z. f. Pflanzenernähr. Dungung, Bodenk. 105(1):37-49. Ref. Apr.1964. 384 Z343A  
English summary, p.X.
- 100563 AMMANN, E. C. B., and LYNCH, V. H. Purine metabolism by unicellular algae. II. Adenine, hypoxanthine, and xanthine degradation by *Chlorella pyrenoidosa*. Biochim. et Biophys. Acta 87(3):370-379. Ref. July 22,1964. 381 B522
- 100564 ANDERSON, J. A., and others. Oxidase activity and lipid composition of respiratory particles from *Claviceps purpurea* (Ergot fungus). Arch. Biochem. & Biophys. 107(1):37-50. Ref. July 1964. 381 Ar2  
F. K. Sun, J. K. McDonald, and V. H. Chel-de-lin, joint authors.
- 100565 ARITOMI, M. Chemical constituents in acera-ceous plants. II. Flavonoid constituents in leaves of *Acer carpinifolium* Siebold et Zuccari-ni, *A. diabolicum* Blume, *A. marmoratum* Hara form. dissectum Rehd., and *A. negundo* Lin-naeus. Pharm. Soc. Japan. J. 84(4):360-362. Apr.1964. 396.9 P49
- 100566 BELL, E. A. Relevance of biochemical taxono-my to the problem of lathyrism. Nature [Lon-don] 203(4943):378-380. Ref. July 25,1964. 472 N21  
Toxicity of *Lathyrus* spp.
- 100567 BENN, M. H., and MAY, J. The biosynthesis of diterpenoid alkaloids. Experientia 20(5): 252-253. May 15,1964. 475 Ex7  
*Delphinium brownii* and *D. elatum*.
- 100568 BERGMANN, E. D., IKAN, R., and HAREL, S. Thin-layer chromatography of  $\beta$ -sitosteryl esters. J. Chromatography 15(2):204-206. July 1964. 475 J824  
From *Morus alba*.
- 100569 BERNHARD, R. A., and others. Isolation and identification of allyl monosulfide and allyl alcohol from *Allium*. Arch. Biochem. & Bio-phys. 107(1):137-140. July 1964. 381 Ar2  
A. R. Saghir, J. V. Jacobsen, and L. K. Mann, joint authors.
- 100570 BIANCO, L., LAZZARINI, E., and ZAGAR, I. Radiochemical investigation on the exchange between phytol and phytol of chlorophylls "a" and "b" in *Chlorella vulgaris*. Internatl. J. Appl. Radiation & Isotopes 15(7):385-390. Ref. July 1964. 334.8 In84
- 100571 BIDWELL, R. G. S., BARR, R. A., and STEW-ARD, F. C. Protein synthesis and turn-over in cultured plant tissue: sources of carbon for synthesis and the fate of the protein breakdown products. Nature [London] 203(4943):367-373. Ref. July 25,1964. 472 N21
- 100572 BIGGINS, J., and PARK, R. B. Nucleic acid content of chloroplasts of spinach isolated by a non-aqueous technique. Nature [London] 203 (4943):425-426. Ref. July 25,1964. 472 N21
- 100573 BLAKE, J., and FOWDEN, L.  $\gamma$ -Methylene-glutamic acid and related compounds from plants. Biochem. J. 92(1):136-142. Ref. July 1964. 382 R52
- 100574 BLUNDEN, G., and HARDMAN, R. Thin-layer chromatography of *Dioscorea* sapogenins. J. Chromatography 15(2):273-276. Ref. July 1964. 475 J824
- 100575 BOSE, S., and GUPTA, K. C. Structure of *Commiphora mukul* gum. II. Structure of the degraded gum. Indian J. Chem. 2(4):156-158. Ref. Apr.1964. 385 In294
- 100576 BRANDON, P. C. Enzymological studies on pathways of crassulacean acid metabolism. Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci. 66(5):406-417. Ref. 1963. 442.9 Am8  
Malic acid in *Bryophyllum tubiflorum*.
- 100577 BRAUN, A. C. Biochemical changes of a heri-table type that result in cellular autonomy. In Mazia, D., and Tyler, A., ed. General phys-iology of cell specialization, p.73-79. Ref. 1963. 442 M453  
A study of crown galls in plants.
- 100578 BRIENS, M., and GOAS, M. Contribution to the study of non-volatile organic acids of *Suaeda macrocarpa* Moq.; the young sprouts. (Fr) Acad. des Sci. Compt. Rend. 259(1):202-205. Ref. July 6,1964. 505 P21
- 100579 BURNELL, R. H., and CASA, D. D. A quater-nary alkaloid from *Croton turumiquirensis*, Stayerm. Nature [London] 203(4942):296-297. July 18,1964. 472 N21
- 100580 BYCROFT, B. W., and others. Further alka-loids from the leaves of *Pleiocarpa tubicina*; conversion of (-)-quebrachamine into (-)-1,2-dehydroaspidospermidine; 6th report on *Pleio-carpa* alkaloids. (Ge) Helvet. Chim. Acta 47 (5):1147-1152. Ref. Oct.7,1964. 385 H36  
D. Schumann, M. B. Patel, and H. Schmid, joint authors.
- 100581 CHANCE, B., SCHOENER, B., and ELSAESSER, S. Control of the waveform of oscillations of the reduced pyridine nucleotide level in a cell-free extract. Natl. Acad. Sci. Proc. 52(2):337-341. Aug.1964. 500 N21P  
*Saccharomyces carlsbergensis*.
- 100582 CHANDRA, V. Studies of the enzymic reactions of urease. Agra U. J. Res. Sci. 12(3):153-157. Sept.1963. 513 Ag8  
Includes role of urease in proteins metabo-lism of plants.
- 100583 CHIN, C. C., and CHING, K. A. Transamina-tion and amination in root system of wheat seedlings. (Ch) Acta Biol. Expt. Sinica 8(3/4): 603-610. Ref. Dec.1963. 442.8 Ac85  
English summary.
- 100584 CHIN, W. T., and others. Metabolism of swep by rice. Weeds 12(3):201-205. July 1964. 79.8 W41  
R. P. Stanovick, T. E. Cullen, and G. C. Hol-sing, joint authors.
- 100585 CHOUINARD, L. A. Evidence for the existence of two types of nucleolar ribonucleoprotein in root meristematic cells of *Vicia faba*. Canad. J. Bot. 42(7):779-785. Ref. July 1964. 470 C16C
- 100586 CHOW, P. C., and others. The presence of two light-dependent enzymatic processes accom-panying fluorescence decay in wheat leaves dur-ing photosynthesis. (Ch) Acta Bot. Sinica 12 (1):82-87. Ref. Mar.1964. 450 C432  
S. C. Lin, Z. C. Chu, K. F. Shien, and P. S. Tang, joint authors.  
English summary.



- 100587 CHU, H. M., and others. Research on the change in principal biochemical components in red tea during the first stages. (Ch) Yuan Hsueh Pao 2(1):75-82. Feb.1963. 80 Y9  
C. P. Shih, H. H. Ts'eng, and Y. K. Fang, joint authors.
- 100588 COLVIN, J. R. The biosynthesis of cellulose. In Zimmermann, M. H., ed. The formation of wood in forest, p.189-201. Ref. 1964. 451 Z6
- 100589 CORRELL, D. L. Sialic acid-containing glycopeptide from *Chlorella*. Science 145(3632): 588-589. Ref. Aug.7,1964. 470 Sci2
- 100590 DANIELS, D. G. H., and MARTIN, H. F. Antioxidants in oats: light-induced isomerization. Nature [London] 203(4942):299. July 18,1964. 472 N21
- 100591 DOMAN, N. G., SHKOL'NIK, R. YA., and TERENT'EVA, Z. A. A direct demonstration of the participation phosphoglyceric acid in the reducing photosynthetic cycle of carbon. (Rus) Akad. Nauk SSSR. Dok. 156(3):698-701. Ref. 1964. 511 P444A  
Plants.
- 100592 DOWNEY, R. K., and CRAIG, B. M. Genetic control of fatty acid biosynthesis in rapeseed (*Brassica napus* L.). Amer. Oil Chem. Soc. J. 41(7):475-478. Ref. July 1964. 307.8 J82
- 100593 DOWNS, R. J. Photocontrol of anthocyanin synthesis. Wash. Acad. Sci. J. 54(4):112-120. Ref. Apr.1964. 500 W276J
- 100594 EILERS, F. I., and others. Localization of disaccharidases in extracts of *Neurospora* after electrophoresis in polyacrylamide gels. J. Histochem. & Cytochem. 12(6):448-450. Ref. June 1964. 381 J8222  
J. Allen, E. P. Hill, and A. S. Sussman, joint authors.
- 100595 ELLIOTT, F. C., and OLSEN, C. R. The isolation of antimetabolites from individual alfalfa plants. II. Electrophoretic techniques. Mich. Agr. Expt. Sta. Q. B. 46(4):507-511. May 1964. 100 M58S
- 100596 EYNARD, I. Translocation and distribution of  $^{32}\text{P}$  applied through leaves in the fruit of Montmorency cherry. (It) Ricerca Sci. Ser. 2, Parte II, Rend. Sez. B, Biol. 3(2):121-126. July 1963. 475 It1  
English summary.
- 100597 FAIRBAIRN, J. W. The anthracene derivatives of medicinal plants. Lloydia 27(2):79-87. Ref. June 1964. 442.8 L77
- 100598 FALCO, M., and others. Isolation of new alkaloids from *Vinca difformis* Pourr. (Fr) Ann. Pharm. Franc. 22(6/7):455-461. June/July 1964. 396.8 An7  
J. Garnier-Gosset, E. Fellion, and J. Le Men, joint authors.
- 100599 FAVIER-BIECHER, Y., and SAINT-PAUL, M. Fractionation of the aqueous extract of *Phaseolus vulgaris* seeds by means of starch electrophoresis; hemagglutinating capacity and activity on in vitro leucocytes cultures of the fractions obtained. (Fr) Inst. Pasteur. Ann 106(1):143-147. Ref. Jan.1964. 448.3 An75  
English summary.
- 100600 FERRARI, G., and others. Investigations into the mechanism of the synthesis of amino acids in plants. I-II. (It) Ricerca Sci. Ser. 2, Parte II, Rend. Sez. B, Biol. 3(2):181-192. July 1963. 475 It1  
C. Passera, R. Cultrera, and E. Benedetti, joint authors.  
English summary.  
Translocation of  $^{14}\text{C}$  in *Chlorella vulgaris* during the formation of amino acids.
- 100601 FESTER, G. A. Phytochemical varieties in Argentine aromatic plants. (Sp) Santa Fe. Univ. Nac. Litoral. Fac. Ingen. Quim. 31:39-42. 1962, pub.1963. 385 Sa5
- 100602 FITZGERALD, T. J., LAPIDUS, J. B., and BEAL, J. L. Sweetinine, an alkaloid from *Sweetia panamensis*. Lloydia 27(2):107-110. Ref. June 1964. 442.8 L77
- 100603 FREUDENBERG, K. Recent contributions to the formation and constitution of lignin. (Ge) Brennstoff-Chem. 44(11):328-331. Ref. Nov. 1963. 384 B75  
In spruce.
- 100604 FUJITA, Y. On *Angelica dahurica* Benth. et Hook. (Ja) J. Jap. Bot. 38(12):7-9. Ref. Dec. 1963. 450 J8223  
English summary.  
Biochemistry.
- 100605 FUJITA, Y. On *Angelica edulis* Miyabe, A. ursina Maxim. and A. decursiva Franch. et Savat. (Ja) J. Jap. Bot. 39(2):25-26. Feb.1964. 450 J8223  
English summary.  
Biochemistry.
- 100606 GARRICK, M. D., ELBERFELD, H., and SUSKIND, S. R. Tryptophan synthetase from *Neurospora*: a modification in the reaction scheme. Science 145(3631):491-492. Ref. July 31,1964. 470 Sci2
- 100607 GILL, S., and STEINEGGER, E. Phytochemical investigations in the genus *Cytisus* L. (Ge) Pharm. Acta Helvetiae 39(8):508-517. Ref. Aug.1964. 396.8 P4933  
English summary.  
Alkaloids.
- 100608 GOAS, M. Distribution along the coleoptile of oats, of thiol composites responsible for the decarboxylation of mesoxalic acid. (Fr) Acad. des Sci. Compt. Rend. 258(26):6507-6509. June 29,1964. 505 P21
- 100609 GUEHLER, P. F., and others. Microbiological transformations. XIII. Composition of the wax formed by *Euglena gracilis*. Arch. Biochem. & Biophys. 106(1/3):294-298. Ref. July 20, 1964. 381 Ar2  
L. Peterson, H. M. Tsuchiya, and R. M. Dodson, joint authors.
- 100610 HAIGH, W. G., and BEEVERS, H. The glyoxylate cycle in *Polytomella caeca*. Arch. Biochem. & Biophys. 107(1):152-157. Ref. July 1964. 381 Ar2
- 100611 HAIGH, W. G., and BEEVERS, H. The occurrence and assay of isocitrate lyase in algae. Arch. Biochem. & Biophys. 107(1):147-151. Ref. July 1964. 381 Ar2
- 100612 HARNEY, P. M., and GRANT, W. F. A chromatographic study of the phenolics of species of *Lotus* closely related to *L. corniculatus* and their taxonomic significance. Amer. J. Bot. 51 (6,pt.1):621-627. Ref. July 1964. 450 Am36
- 100613 HASEGAWA, M., and SHIRATO, T. Genetics of flavonoids in *Prunus* wood. World Consultation Forest Genet. Tree Impr. Proc. 1(1/5), 4 p. 1963. 99.9 W894  
Hybrid between *Prunus subhirtella ascendens* and *P. speciosa*.
- 100614 HENRICK, C. A., and JEFFERIES, P. R. The chemistry of the Euphorbiaceae. VII. The diterpenes of *Ricinocarpus stylosus* Diels. Austral. J. Chem. 17(8):915-933. Aug.1964. 475 Au73
- 100615 HENRICK, C. A., and JEFFERIES, P. R. The chemistry of the Euphorbiaceae. VIII. New flavones from *Ricinocarpus stylosus*. Austral. J. Chem. 17(8):934-942. Aug.1964. 475 Au73
- 100616 HESS, D. The methylation of caffeic acid to ferulic acid by the enzyme systems of higher plants. (Ge) Z. f. Natforsch. 19b(5):447-449. May 1964. 474 Z3  
Triticum and Petunia.
- 100617 HONG, S. W. On the relationships between chemical characteristics and systematics of some marine algae. II. A study on the free sugar patterns of alcohol extraction in marine algae. (Ko) Korea. Hak'sulwon. Nonmunjip. Cha'yon Kwa'hak P'yon 4:73-79. Ref. Sept. 1963. 513 K84N  
English summary.
- 100618 HOWELL, D. M., and FERGUS, C. L. The component fatty acids found in sclerotia of *Sclerotium rolfsii*. Canad. J. Microbiol. 10(4): 616-618. Aug.1964. 448.8 C162
- 100619 HSU, K. K., and HONG, W. H. Isolation of quercetin from the flower of *Cassia glauca* Lam. (Ch) Formosan Sci. 18(1):30-31. 1964. 475 F76  
English summary.
- 100620 HUTSON, D. H. Trans- $\beta$ -glucosylation by alfalfa-seed enzymes. Biochem. J. 92(1):142-146. Ref. July 1964. 382 B52



- 100621 HYDE, B. B., and others. Studies on phytofer-  
ritin. 1. Identification and localization. J. Ul-  
trastruct. Res. 9(3/4):248-258. Ref. Oct.1963.  
440.8 J822  
A. J. Hodge, A. Kahn, and M. L. Birnstiel,  
joint authors.  
From pea embryos.
- 100622 IMAM, S. M. Observations and studies on the  
morphine content of opium from *Papaver som-*  
*niferum* cultivated under Abbottabad climate.  
Pakistan J. Forestry 14(3):182-189. July 1964.  
99.8 P17
- 100623 INOUE, H., ARAI, T., and YAOI, Y. Studies  
on the constituents of Pyrolaceae. XII. The con-  
stituents of *Chimaphila japonica* Miq. (Ja)  
Pharm. Soc. Japan. J. 84(4):337-340. Apr.1964.  
396.9 P49  
English summary.
- 100624 INOUE, H., and ARAI, T. Studies on the con-  
stituents of pyrolaceous plants. XIII. The con-  
stituents of pyrolaceous saprophytes. (Ja)  
Pharm. Soc. Japan. J. 84(5):444-447. May 1964.  
396.9 P49  
English summary.
- 100625 JAIN, M. K. Pigment of the flowers of *Sesbania*  
*sesban* Merrill. Indian J. Chem. 2(5):213.  
May 1964. 385 In294
- 100626 KAMISAKO, W., and TAKAHASHI, M. Studies  
on the constituents of *Aster tataricus* L. III-V.  
(Ja) Pharm. Soc. Japan. J. 84(4):318-328. Apr.  
1964. 396.9 P49  
English summaries.
- 100627 KAWANO, N., MIURA, H., and YAMADA, T.  
Studies on the components of *Clerodendron tri-*  
*chotomum* Thunb. I. On bitter principles. (Ja)  
Pharm. Soc. Japan. J. 84(5):472-474. May 1964.  
396.9 P49  
English summary.
- 100628 KLAMBT, H. D. Growth induction and growth  
substance metabolism in wheat coleoptile cyl-  
inders. V. Identification of two additional re-  
action products of naphthalene-1-acetic acid and  
of benzoic acid. (Ge) Planta 60(5):453-460.  
1964. 450 P693
- 100629 KLAMBT, H. D. Pyridoxal phosphate de-  
pendent oxidative decarboxylation of L-tryptophan  
by horseradish peroxidase. (Ge) Z. f. Nat-  
forsch. 19b(5):449-450. May 1964. 474 Z3
- 100630 KLECZKOWSKI, K., and COHEN, P. P. Puri-  
fication of ornithine transcarbamylase from  
pea seedlings. Arch. Biochem. & Biophys.  
107(2):271-278. Ref. Aug.1964. 381 Ar2
- 100631 KOVARIKOVA, A., KOLAROVA, H., and PITRA,  
J. Influence of the 16-hydroxyl group on the  
activity of the cardenolides; the inotropic ac-  
tivity of 16-epi-gitoxigenin. (Ge) Experientia  
20(5):263-264. May 15,1964. 475 Ex7  
From *Digitalis lanata*.
- 100632 KUMAR, S. A., and VAIDYANATHAN, C. S.  
Hydrolysis of riboflavin in plants. Biochim. et  
Biophys. Acta 89(1):127-136. Ref. July 8,1964.  
381 B522
- 100633 KUO, C. F. Histochemical localization of vari-  
ous enzymes in plant vascular bundles, with  
special reference to their significance in trans-  
portation of organic substance. (Ch) Acta Bot.  
Sinica 12(1):100-108. Ref. Mar.1964.  
450 C432  
English summary.
- 100634 KURIHARA, T., and IINO, N. Studies on the  
constituents of *Paederia chinensis* Hance. (Ja)  
Pharm. Soc. Japan. J. 84(5):479-481. May 1964.  
396.9 P49  
English summary.
- 100635 LANZANI, G. A., and GALANTE, E. Peroxi-  
dase activities from wheat embryo ribosomes.  
Arch. Biochem. & Biophys. 106(1/3):20-24.  
Ref. July 20,1964. 381 Ar2
- 100636 LEDOUBLE, G., and others. Alkaloids of *Pic-*  
*ralima nitida* Stapf, Apocynaceae. 8. (Fr)  
Ann. Pharm. Franc. 22(6/7):463-468.  
June/July 1964. 396.8 An7  
L. Olivier, M. Quirin, J. Levy, J. Le Men,  
and M. M. Janot, joint authors.
- 100637 LEE, M. J., and LEE, I. K. On the alcohol ex-  
tractable sugars in agar plants. (Ko) Korea.  
Hak'sulwon. Nonmunjip. Cha'yon Kwa'hak P'yon  
4:69-72. Ref. Sept.1963. 513 K84N  
English summary.
- 100638 LEIBO, S. P., and JONES, R. F. Freezing of  
the chromoprotein phycoerythrin from the red  
alga *Porphyridium cruentum*. Arch. Biochem.  
& Biophys. 106(1/3):78-88. Ref. July 20,1964.  
381 Ar2
- 100639 LEVIN, E., LENNARZ, W. J., and BLOCH, K.  
Occurrence and localization of  $\alpha$ -linolenic  
acid containing galactolipids in the photosyn-  
thetic apparatus of *Anabaena variabilis*. Bio-  
chim. et Biophys. Acta 84(4):471-474. Ref.  
Aug.5,1964. 381 B522
- 100640 LINDE, H. A new diterpene from *Salvia offic-*  
*inalis* L. and a note on the constitution of  
picrosalvin. (Ge) Helvet. Chim. Acta 47(5):  
1234-1239. Oct.7,1964. 385 H36
- 100641 LIVINGSTON, A. L., and others. Trifoliol, a  
new coumestan from ladino clover. Tetrahe-  
don 20(8):1963-1970. Ref. Aug.1964. 382 T29  
E. M. Bickoff, R. E. Lundin, and L. Jurd,  
joint authors.
- 100642 LUKOW, B. J., and BUCKLEY, E. H. Quantita-  
tive analysis of tyramine by ion exchange chro-  
matography. J. Chromatography 15(2):258-260.  
July 1964. 475 J824  
In bananas.
- 100643 MAASS, W. S. G., and GRAIGIE, J. S. Exami-  
nation of some soluble constituents of *Sphagnum*  
gametophytes. Canad. J. Bot. 42(7):805-813.  
Ref. July 1964. 470 C16C
- 100644 MCCLENDON, J. H. Evidence for the pectic  
nature of the middle lamella of potato tuber  
cell walls based on chromatography of macera-  
ting enzymes. Amer. J. Bot. 51(6,pt.1):628-  
633. Ref. July 1964. 450 Am36
- 100645 MCKINSEY, R. D. Studies on the intra-cellu-  
lar localization of the hexose monophosphate  
pathway in *Ustilago maydis*. Amer. J. Bot. 51  
(6,pt.1):585-590. Ref. July 1964. 450 Am36
- 100646 MCMAHON, V., and STUMPF, P. K. Synthesis  
of linoleic acid by particulate system from  
safflower seeds. Biochim. et Biophys. Acta 84  
(3):359-361. June 15,1964. 381 B522  
Developing seeds.
- 100647 MARCUS, A., and FEELEY, J. Isocitric lyase  
formation in the dissected peanut cotyledon.  
Biochim. et Biophys. Acta 89(1):170-171.  
July 8,1964. 381 B522
- 100648 MARION, L. The highly-oxygenated diterpe-  
noid alkaloids. Int. Symp. Chem. Natur. Prod.  
Spec. Intro. Lect., 2d Symp.:621-633. Ref.  
1962, pub.1963. 385 In823  
In plants.
- 100649 MARTIN, G. C., and WILLIAMS, M. W. A col-  
umn and paper chromatographic method for  
separation of N-dimethylamino-succinamic  
acid in plant extracts. J. Chromatography 15  
(1):95-97. June 1964. 475 J824
- 100650 MATVEEVA, E. P., GAGARIN, P. K., and  
ZNAMENSKAYA, L. A. Biochemical composi-  
tion of some forage grass groups. (Rus) Bot.  
Zhur. [Moscow] 49(6):875-877. Ref. June  
1964. 451 R923
- 100651 MEEUSE, B. J. D. The importance of beta-1,  
8-linked glucan in the plant kingdom. (Du)  
Vakbl. v. Biol. 43(11/12):218-233. Ref.  
Nov./Dec.1963. 442.8 V22  
Includes aquatic plants.
- 100652 MEIER, H. General chemistry of cell walls and  
distribution of the chemical constituents across  
the walls. In Zimmermann, M. H., ed. The  
formation of wood in forest, p.137-151. Ref.  
1964. 451 Z6  
Trees.
- 100653 MELLO, F. M. DE. Development of the hes-  
peridin content during ripening of 3 cultivated  
forms of orange. (Por) Agros [Lisboa] 46(4):  
327-329. July/Aug.1964. 15.5 Ag82

- 100654 MIHAJLOVIC, M. L., GRUJIC, S. A., and HADZIJEV, D. Nucleotide composition of ribonucleic acid of wheat leaves. *Biochim. et Biophys. Acta* 87(3):499-502. Ref. July 22, 1964. 381 B522
- 100655 MITSUI, S., HORIGUCHI, T., and KUMAZAWA, K. The activity of glycolic acid oxidase in the root with special reference to the upland and lowland crops. (Ja) *J. Sci. Soil & Manure* 35 (2):69. Feb. 1964. 56.8 J27
- 100656 MOORE, A. W. Note on non-leguminous nitrogen-fixing plants in Alberta. *Canad. J. Bot.* 42 (7):952-955. Ref. July 1964. 470 C16C
- 100657 MOORE, B. G., and TISCHER, R. G. Extracellular polysaccharides of algae: effects on life-support systems. *Science* 145(3632):586-587. Ref. Aug. 7, 1964. 470 Sci2
- 100658 MOSOLOVA, I. M., and SISAKEYAN, N. M. On the effect produced by light on the oxidation of succinate by mitochondria of green and etiolated pea plant. (Rus) *Akad. Nauk SSSR. Dok.* 156(3):702-705. 1964. 511 P444A
- 100659 MURATA, T., and others. Isolation of adenosine diphosphate glucose from ripening rice grains and its enzymic synthesis. *Arch. Biochem. & Biophys.* 106(1/3):371-378. Ref. July 20, 1964. 381 Ar2  
T. Minamikawa, T. Akazawa, and T. Sugiya, joint authors.
- 100660 MURTY, K. S. N. Influence of irrigation on the chemical composition of flue-cured tobacco. *Indian Tobacco* 14(1):32-36. Ref. Jan./Mar. 1964. 69.8 In2
- 100661 NAKAMURA, T., and YUASA, A. IAA formation from tryptophan by cell-free system of *Fuligo plasmodium*. Tokyo. *U. Col. Gen. Educ. Sci. Papers* 14(1):99-100. Ref. June 1964. 330.9 T572
- 100662 NAKAMURA, T. The intracellular distribution of native indoleacetic acid and the enzyme system converting tryptophan into indoleacetic acid, in pea seedlings. Tokyo. *U. Col. Gen. Educ. Sci. Papers* 14(1):81-98. Ref. June 1964. 330.9 T572
- 100663 NEISH, A. C. Cinnamic acid derivatives as intermediates in the biosynthesis of lignin and related compounds. In Zimmermann, M. H., ed. *The formation of wood in forest*, p.219-239. Ref. 1964. 451 Z6
- 100664 NELSON, C. D. The production and translocation of photosynthate-C<sup>14</sup> in conifers. In Zimmermann, M. H., ed. *The formation of wood in forest*, p.243-257. Ref. 1964. 451 Z6
- 100665 OLERED, R. Studies on the development of alpha-amylase activity in ripening wheat. *Arkiv f. Kemi* 22(2):175-183. Ref. 1964. 385 Ar4
- 100666 OLSZEWSKA, M. J., and MIKULSKA, E. Autoradiographic study of the incorporation of thymidine-<sup>3</sup>H, uridine-<sup>3</sup>H, and phenylalanine-<sup>3</sup>H in the chloroplasts of *Clivia miniata* and *Bilbergia sp.* (Fr) *Experientia* 20(5):266-268. Ref. May 15, 1964. 475 Ex7
- 100667 ORAZKULIEV, I. K., OTROSHCHENKO, O. S., and SADYKOV, A. S. Adsorbable method for extraction of alkaloids from *Hammada leptoclada* of the family *Chenopodiaceae*. (Rus) *Zhur. Prikl. Khim.* 37(6):1394-1395. June 1964. 385 Z64
- 100668 OSAJIMA, Y., and YAMAFUJI, K. Reduction of nitrate to ammonia by enzymes isolated from green algae. *Enzymologia* 27(2):129-140. Ref. June 30, 1964. 390.08 En9
- 100669 OYAMA, H., KURODA, T., and HONDA, K. Studies on potassium accumulation in detached barley roots. 3. On the potassium accumulation and the oxido-reduction states of pyridine nucleotides. (Ja) *J. Sci. Soil & Manure* 34(12):437-443. Ref. Dec. 1963. 56.8 J27
- 100670 PAGE, O. T. In vivo conversion of adenosine by potato leaves. *Canad. J. Bot.* 42(7):951-952. July 1964. 470 C16C
- 100671 PAKHOMOVA, M. V. The biochemical investigation of some algae species. (Rus) *Moskov. Obshch. Isp. Prirody. B. Otd. Biol.* 3:110-126. Ref. May/June 1964. 511 M85
- 100672 PATTERSON, E. L., ANDRES, W. W., and HARTMAN, R. E. The microbiological oxidation of conessine. *Experientia* 20(5):256-257. May 15, 1964. 475 Ex7  
By *Cunninghamella echinulata*.
- 100673 PLOUVIER, V. Presence of ursolic acid in the flowers of *Viburnum opulus* L. var. *sterile* DC. (*Caprifoliaceae*). (Fr) *Ann. Pharm. Franc.* 22 (4):313-314. Apr. 1964. 396.8 An7
- 100674 PRICE, C. A., and ESTRADA, M. T. G. Chlorophyll formation in *Euglena* as a test for herbicides. *Weeds* 12(3):234-235. Ref. July 1964. 79.8 W41
- 100675 PUEYO, G. Identification by paper chromatography of soluble glucides of lichens. I-II. (Fr) *Rev. Bryologique et Lichenologique* 32 (1/4):279-289. Ref. 1963. 450 R325  
I, Sugars; II, Polyalcohols.
- 100676 PYRIKI, C., and MULLER, R. On the protein and protein-like compounds in tobacco. II. The methodics of protein determination. (Ge) *Dresden. Inst. f. Tabakforsch. Ber.* 10(2):203-237. Ref. 1963. 69.9 W82  
English summary.
- 100677 PYRIKI, C., and MOLDENHAUER, W. Studies on tobacco pectins and their influence on tobacco quality. (Ge) *Dresden. Inst. f. Tabakforsch. Ber.* 10(2):238-263. Ref. 1963. 69.9 W82  
English summary.
- 100678 QUIRIN, M., QUIRIN, F., and LE MEN, J. Alkaloids of *Voacanga globosa* (Blanco) Merr. (Fr) *Ann. Pharm. Franc.* 22(5):361-364. May 1964. 396.8 An7
- 100679 RACUSEN, D., FOOTE, M., and COLLINS, J. The major bean leaf protein by DEAE-cellulose chromatography. *Canad. J. Bot.* 42(7):960-963. Ref. July 1964. 470 C16C
- 100680 RICHTER, G., and SENER, H. Extraction and chromatographic separation of nucleic acids from photosynthetic organisms. (Ge) *Biochim. et Biophys. Acta* 87(3):502-505. July 22, 1964. 381 B522
- 100681 RIECHE, A., and others. The utilization of monocarbonic acids by *Torulopsis utilis*. (Ge) *Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. II, Natwiss.* 118(1):53-65. Ref. June 19, 1964. 448.3 C33  
G. Hilgetag, A. Martini, M. Thonke, and M. Lorenz, joint authors.  
English summary.
- 100682 RITCHIE, E. Chemistry of *Flindersia* species. *Rev. Pure & Appl. Chem.* 14:47-56. Ref. June 1964. 385 R328
- 100683 ROBINSON, SIR R. The biogenesis of certain alkaloids. *Int. Symp. Chem. Natur. Prod. Spec. Introd. Lect., 2d Symp.*:601-620. Ref. 1962, pub. 1963. 385 In823
- 100684 SACHER, J. A. Extracytoplasmic sucrose synthesis in higher plants. *Life Sci.* 3(9):1053-1060. Ref. Sept. 1964. 442.8 L62  
In beans.
- 100685 SAITO, S., and others. Two new alkaloids, viroallosecurinine and virosine, isolated from *Securinega virosa* Pax. et Hoffm. *Chem. & Indus.* 28:1263-1264. July 11, 1964. 382 M31C  
T. Iwamoto, T. Tanaka, C. Matsumura, N. Sugimoto, Z. Horii, and Y. Tamura, joint authors.
- 100686 SASAKI, T. Studies on the components of pecan (*Carya pecan* Engl. & Graebn.). 2-3. (Ja) *Pharm. Soc. Japan. J.* 84(1):47-51; (2):195-198. Ref. Jan.-Feb. 1964. 396.9 P49  
English summaries.
- 100687 SASAOKA, K., KITO, M., and ONISHI, Y. Synthesis of theanine by pea seed acetone powder extract. *Agr. & Biol. Chem.* 28(5):318-324. May 1964. 385 Ag8B
- 100688 SASAOKA, K., and KITO, M. Synthesis of theanine by tea seedling homogenate. *Agr. & Biol. Chem.* 28(5):313-317. May 1964. 385 Ag8B
- 100689 SCHAUER, H. Plant estrogens. (Ge) *Deut. Apoth.-Ztg.* 104(29):987-989. Ref. July 16, 1964. 396.8 Su2
- 100690 SCHREIBER, K. *Solanum* alkaloids. XXXVII. (Ge) *Justus Liebigs Ann. der Chem.* 674:168-175. Ref. 1964. 384 An7



- 100691 SCHREIBER, K., WALTHER, A., and RONSCH, H. Solanum alkaloids. XLVI. Synthesis of solasodine. (Ge) Tetrahedron 20(8):1939-1945. Aug. 1964. 382 T29  
English summary.
- 100692 SCHULTE, K. E., REISCH, J., and BORN-FLETH, H. The occurrence of trans-dehydromatricaria ester and tridecene-(1)-pentayne-(3,5,7,9,11) in Ricinus communis L. (Ge) Arch. der Pharm. 34(7):443-446. Ref. July 1964. 396.8 Ar2A
- 100693 SCHUTTE, H. R., SANDKE, G., and LEH-FELDT, J. Biosynthesis of lupine alkaloids. 10. (Ge) Arch der Pharm 297(2):118-124. Feb. 1964. 396.8 Ar2A
- 100694 SCHWEIGER, H. G., and BERGER, S. DNA-dependent RNA synthesis in chloroplasts of Acetabularia [mediterranea]. Biochim. et Biophys. Acta 87(3):533-535. July 22, 1964. 381 B522
- 100695 SEN, A. B., and SINGH, S. P. Chemical examination of Clerodendron infortunatum Linn. Indian J. Chem. 2(4):172. Apr. 1964. 385 In294  
Roots.
- 100696 SERGEEVA, N. V. Separation and identification of fatty acids of lipides in Euonymus verrucosus by obtaining urea complexes and by paper chromatography. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauki 2:157-160. Ref. 1963. 442.8 N22
- 100697 SHARMA, R. C., ZAMAN, A., and KIDWAI, A. R. Chemical examination of Euphorbia royleana Boiss. Indian J. Chem. 2(6):254. June 1964. 385 In294
- 100698 SHIPP, W., and HASELKORN, R. Double-stranded RNA from tobacco leaves infected with TMV. Natl. Acad. Sci. Proc. 52(2):401-408. Ref. Aug. 1964. 500 N21P
- 100699 SISAQYAN, N. M., KOPYAKOVA, A. M., and FILIPPOVICH, I. I. Adenosinetriphosphatase of plant protoplasmic structures. (Rus) Biokhimiya 28(6):1011-1017. Ref. Nov./Dec. 1963. 385 B523  
English summary.
- 100700 SOMON, E. Amylogenesis, amyolysis and greening, in the course of the germination of various species of citrus. (Fr) Soc. Bot. de France. B. 109(7/8):157-159. Oct./Nov. 1962. 451 F84B
- 100701 SPRECHER, E. On the excretions of fungi. IV. The enzymatic change in the excreted methylheptenone. (Ge) Arch. f. Mikrobiol. 48(4):401-413. Ref. 1964. 442.8 Ar26  
Ceratocystis coerulea and 6-methyl-5-hepten-2-one.
- 100702 SUSSMAN, M., and OSBORN, M. J. UDP-galactose polysaccharide transferase in the cellular slime mold, Dictyostelium discoideum: appearance and disappearance of activity during cell differentiation. Natl. Acad. Sci. Proc. 52(1):81-87. July 1964. 500 N21P
- 100703 SUZUKI, Y. Soluble -NADH (-dihydronicotinamide adenine dinucleotide) oxidase system in the young root of the broad bean, Vicia faba. I. Enzymologia 27(2):96-108. Ref. June 30, 1964. 390.08 En9
- 100704 TAKAGI, M., and NAKAMURA, S. Free amino acid components of Desmarestia ligulata. (Ja) Jap. Soc. Sci. Fisheries. B. 30(3):279-283. Ref. Mar. 1964. 414.9 J274  
English summary.
- 100705 TAKAGI, M., and others. Free amino acid components of Rhododendron laryx and Chondrus ocellatus. (Ja) Jap. Soc. Sci. Fisheries. B. 30(3):284-290. Ref. Mar. 1964. 414.9 J274  
English summary.
- 100706 TAKEMOTO, T., and KONDO, Y. A ketoic acid from the seeds of Papaver somniferum L. (Ja) Pharm. Soc. Japan. J. 84(5):474-477. May 1964. 396.9 P49  
English summary.
- 100707 TOMITA, M., and KOZUKA, M. On the alkaloids of Cinnamomum camphora (Linn.) Sieb. (Ja) Pharm. Soc. Japan. J. 84(4):365-367. Apr. 1964. 396.9 P49  
English summary.
- 100708 TOMITA, M., and KOZUKA, M. On the alkaloids of Machilus thunbergii Sieb. et Zucc. (Ja) Pharm. Soc. Japan. J. 84(4):362-365. Apr. 1964. 396.9 P49  
English summary.
- 100709 TORRES, A. M., and LEVIN, D. A. A chromatographic study of cespitose Zinnias. Amer. J. Bot. 51(6, pt. 1):639-643. Ref. July 1964. 450 Am36  
In connection with a cytogenetic study.
- 100710 TREBST, A. On the photosynthetic reduction of NADP [nicotinamide-adenine-dinucleotide-phosphate] with phenylenediamine in isolated chloroplasts. (Ge) Z. f. Natforsch. 19b(5):418-421. Ref. May 1964. 474 Z3  
English summary.  
Spinach.
- 100711 TREVITHICK, J. R., and METZENBERG, R. L. Kinetics of the inhibition of Neurospora invertase by products and aniline. Arch. Biochem. & Biophys. 107(2):260-270. Ref. Aug. 1964. 381 Ar2
- 100712 TSCHESCHE, R., and ZIEGLER, F. On triterpenes. XII. On the saponins of the roots of Primula elatior L. Schreber. (Ge) Justus Liebig's Ann. der Chem. 674:185-195. Ref. 1964. 384 An7
- 100713 TURBIN, N. V., and ANOKHINA, V. S. Biosynthetic reduction of alkaloids at the grafting of incompatible varieties of forage lupine. (Be) Minsk. Belaruskaya Akad. Navuk. Vestsi. Ser. Biyal. Navuk 1:15-21. 1964. 442.8 M66  
Text in Byelorussian.  
Russian summary.
- 100714 TURSUNOVA, R. N., and ABUBAKIROV, N. K. Study of glycosides of plants of the genus Erysimum. V. (Rus) Zhur. Obshch. Khim. 34(7):2449-2455. July 1964. 385 Z6
- 100715 VALUTA, G., and others. The accumulation of the principal chemical components, by phases of vegetation, in winter wheat as a function of the fertilizers applied. (Rum) Bucharest. Acad. Repub. Pop. Romine. Comun. 13(11):995-1001. Nov. 1963. 512 B8522C  
M. Ionescu, H. Slusanschi, and I. Raui, joint authors.  
French summary.
- 100716 VARNER, J. E., and CHANDRA, G. R. Hormonal control of enzyme synthesis in barley endosperm. Natl. Acad. Sci. Proc. 52(1):100-106. Ref. July 1964. 500 N21P
- 100717 VARTAPETYAN, B., and BOGDANOVA, I. P. Transformation of catechines with reference to the modes of oxidation. (Rus) Biokhimiya 28(6):970-977. Ref. Nov./Dec. 1963. 385 B523  
English summary.  
Of tea plants.
- 100718 VASIL'EVA, N. A., and GOFSTEIN, L. V. A method for isolation of cell nuclei from embryos and seedlings of wheat in glycerine solutions. (Rus) Akad. Nauk SSSR. Dok. 157(3):696-698. Ref. 1964. 511 P444A
- 100719 VILLANUEVA, J. R. Nitro-reductase from a Notardia sp. Antonie van Leeuwenhoek J. Microbiol. & Serol. 30(1):17-32. Ref. 1964. 448.8 N28A
- 100720 WADA, H., NAKATA, H., and HIRATA, Y. Structure of sanguisorbinin, a triterpene obtained from Sanguisorba officinalis L. (Ja) Pharm. Soc. Japan. J. 84(5):477-479. May 1964. 396.9 P49  
English summary.
- 100721 WARTBURG, A. VON, KUHN, M., and LICHTI, H. Podophyllum lignan 4'-demethyl-desoxy-podophyllotoxin-beta-D-glucoside, a new glycoside, from Podophyllum emodi Wall. and P. peltatum L.; 16th report on mitosis-inhibiting natural substances. (Ge) Helvet. Chim. Acta 47(5):1203-1210. Oct. 7, 1964. 385 H36
- 100722 WEINTRAUB, I. A. N-terminal amino acids of soybean seed globulins. 8 p. Ref. Transl. 13675  
Translation from Kishinev. State University. Transactions on Chemistry of Natural Compounds. 4. 1961.

- 100723 WEINTRAUB, I. A. A study of the globulins of soybean seeds through paper electrophoresis. 11 p. Ref. Transl. 13676  
Translation from Kishinev. State University. Transactions on Chemistry of Natural Compounds. 3. 1960.
- 100724 WERZ, G. Differences in the composition of mannans from various species of Dasycladaceae. (Ge) Planta 60(5):540-542. 1964. 450 P693
- 100725 WILKIE, D. Aspects of the chemistry and inheritance of mitochondria. Sci. Prog. [London] 52(207):459-465. July 1964. 472 Sci22 Plants.
- 100726 WILLIAMS, A. H. Flavone glycosides of *Pyrus* species. Chem. & Indus. 29:1318. July 18, 1964. 382 M31C
- 100727 WINEK, C. L., BEAL, J. L., and CAVA, M. P. The alkaloids of *Aquilegia hybrida* "Scott-Elliott." Lloydia 27(2):111-114. June 1964. 442.8 L77
- 100728 WRIGHT, B. Endogenous substrate control in biochemical differentiation. Bact. Rev. 27(3):273-281. Ref. Sept.1963. 448.3 B13  
*Dictyostelium discoideum*.
- 100729 WRIGHT, B. Symposium on biochemical bases of morphogenesis in fungi. I. Endogenous substrate control in biochemical differentiation. Bact. Rev. 27(3):273-324. Ref. Sept.1963. 448.3 B13
- 100730 YAMAGUCHI, S., and KIKUCHI, M. Notes on the production of organic acids and mycelial pigments during growth of *Penicillium islandicum*. Bot. Mag. Tokyo 77(908):49-53. Ref. Feb.1964. 450 B651
- 100731 YEOWELL, D. A., and SCHMID, H. Biosynthesis of plumeride. (Ge) Experientia 20(5):250-252. Ref. May 15, 1964. 475 Ex7  
In *Plumiera acutifolia*.
- 100732 YUAN, Y. C. The tannin biology of tea. (Ch) Yuan Hsueh Pao 2(1):69-74. Feb.1963. 80 Y9
- 100733 ZENK, M. H., and MULLER, G. Biosynthesis of p-hydroxybenzoic acids and other benzoic acids in higher plants. (Ge) Z. f. Natforsch. 19b(5):398-405. Ref. May 1964. 474 Z3  
English summary.  
*Catalpa ovata* and *C. bignonioides*.
- FIELD CROPS**
- Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.
- General
- 100734 ABERG, E. Crop rotation problems in specialized farming. (Sw) Jord-Groda-Djur 20:142-157. 1964. 11 J763  
Influence of preceding crops on the following crops.
- 100735 AGERBERG, L. S., and GESSLEIN, S. Aktuella forsokresultat fran ostra Mellansverige. VI. Den mellansvenska vaxtfoljden och dess problem [Recent results from eastern Mid Sweden. VI. Crop rotation in Mid Sweden and its problems]. Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 29,15 p. 1964. 11 Up62A  
Chiefly yields.
- 100736 AKERBERG, E. Breeding of field crops for quality. (Sw) Jord-Groda-Djur 20:25-37. 1964. 11 J763
- 100737 AKERBERG, E., and others. Quality breeding of field crops. (Sw) Naringsforskning 8(2):71-84. Ref. 1964. 389.9 N16  
A. Hagberg, L. Munck, G. Julen, G. Andersson, R. Olered and O. Hall, joint authors.
- 100738 BAROV, V., and IOVCHEVA, V. A method for the approximate restoration of yields from eliminated method. (Bu) Akad. Selskostopanskiye Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 8:223-242. Ref. 1963. 56.9 So2  
English summary.  
Statistical method.
- 100739 BORODIN, N. N. Rotation of crops in Don Region, (Rus) Zemledelie 4:7-16. Apr.1964. 20 Z44
- 100740 BURGER, A. W., and SEIF, R. D. Scorecard for seminar evaluation. Agron. J. 56(4):451. July/Aug.1964. 4 Am34P  
For annual meeting of American Society of Agronomy.
- 100741 CHACHIN, V. P. Creative introduction of rotation of crops. (Rus) Zemledelie 4:17-21. Apr.1964. 20 Z44
- 100742 DAWSON, M. D. Cooperative N. S. F. sponsored projects with high school science teachers and students. Agron. J. 56(4):449-450. July/Aug.1964. 4 Am34P  
Agronomy education.
- 100743 DENISOV, P. S., MAMONOV, N. N., and YUFEROV, V. A. Chto dayut zanyatyie pary [Yields from planted fallows]. Moskva, Rossel'khozizdat, 1963. 72 p. Ref. 64 D41Ch  
Catch crops culture.
- 100744 FESIK, I. A. Raising level of field crop culture shall impart increase of grain production. (Rus) Selek. i Semen. 3:10-14. May/June 1964. 61.9 Se5
- 100745 FREDRIKSSON, L. Relative importance of crop varieties and fertilizing measures for yields elucidated with results of trials at Skarhults Nygard. (Sw) Centstyr. f. Malmohus Lans Forsoks- och Vaxtskyddsringar. Meddel. 30:121-126. 1963, pub. 1964. 64.9 C332
- 100746 HEDLIN, R. A., and RIDLEY, A. O. Effect of crop sequence and manure and fertilizer treatments on crop yields and soil fertility. Agron. J. 56(4):425-427. July/Aug.1964. 4 Am34P
- 100747 IVUSHKIN, I. F. Rotation of crops in the Luga area. (Rus) Zemledelie 4:21-24. Apr. 1964. 20 Z44  
Includes field crops yields.
- 100748 JORD-groda-djur [Soils-crops-livestock]. Stockholm, 1964. 183 p. 11 J763  
Crops.
- 100749 LIN, C. A discussion of the techniques of raising crop seeds. (Ch) Fu-Chien Nung Yeh Fujian Nongye 2/3:41-42. Feb.1963. 22.5 F958
- 100750 LOBANOV, V. YA. Only high quality seeds should be planted. (Rus) Zemledelie 4:69-72. Apr.1964. 20 Z44
- 100751 MANITOBA, DEPT. OF AGRICULTURE AND CONSERVATION. Field crop recommendations for Manitoba, 1964. Winnipeg, 1963. 11 p., map. 64.9 Ag8F
- 100752 MARTIN, J. H. Cooperation in crops. U. S. D. A. Ybk. Agr. 1964:554-558. 1 Ag84Y  
International field crop breeding and disease control cooperation.
- 100753 PAWELSKA, K. Significance of the breeding for resistance against plant parasitic nematodes. (Pol) Poznan. Inst. Ochrony Roslin. B. 21:61-81. Ref. 1963. 464.9 P87  
Chiefly field crops; a review of literature.
- 100754 PEDERSEN, K. E. Species of root crops for summer use. (Da) Tidsskr. f. Planteavl 67(3):424-434. 1963. 11 T439  
English summary.
- 100755 RATTZEN, B. Report on the local field trials in Kristianstad Province in 1963. (Sw) Kristianstads Lans Hushallsk. Tidskr. 1:1-63. Mar.1964. 11 K89  
Variety and fertilizer trials.
- 100756 SAMVIRKENDE SJAELLANDSKE LANDBOFOR-RENINGER PLANTEAVLSUDVALGET. Beretning om landboforeningernes virksomhed for planteavl pa sjalland [Report on the crop trials of the farm associations at Zealand], 1963. Kobenhavn, 1964. 331 p. 11 Z1B
- 100757 SCHWARZ, On the cultural value of various winter catch crops with reference to effects on the after-crops. (Ge) Z. f. Landwirt. Vers. u. Untersuchw. 10(1):31-54. Ref. 1964. 18 Z32
- 100758 SHUSHALY, M. A. Geographical distribution of breeding work. (Rus) Selek. i Semen. 3:44. May/June 1964. 61.9 Se5  
Field crops.



- 100759 SIMON, J., and others. Rostlinna vyroba [Plant production]. 2. Praha, Statni Zemedelske Nakladatelstvi, 1964. 496 p. 64Sp1  
Field crop culture.
- 100760 WALLACE, A. T. Mutagenic agents, their use for plant and animal improvement. *Agr. Sci. Rev.* 2(2):1-8. Ref. Spring 1964. A31.3 Ag893
- 100761 WELLHAUSEN, H. W., WOODALL, W., and NESTER, R. P. Field crops seeding guide; fall, 1964, spring, 1965—varieties, rates, dates. *Ark. U. Agr. Ext. L.* 249, rev., 4 p., map. June 1964. 275.29 Ar4Le  
Published jointly with Arkansas Agricultural Experiment Station.
- Cereals
- 100762 AHLUWALIA, M. A worthy successor to "Improved Ghana" bajra: Pusa Moti. *Indian Farming* 14(1):4-5. Apr. 1964. 22 In283
- 100763 ALIM, A., and ULLAH, T. Performance of exotic rice varieties under Dacca farm conditions. *Agr. Pakistan* 14(3):249-252. Sept. 1963. 22 Ag832
- 100764 ANTAL, E. Planting-seed for hybrid corn. (Hu) *Termeloszovetkezetek Tanacsadoja* 24:4-5. June 10, 1964. 280.28 T272
- 100765 BARBAT, I., and AARON, E. Some peculiarities in the development of the Bezostaia 1 and some other wheat varieties. (Rum) *Cluj. Inst. Agron. "Dr. Petru Groza."* *Lucrari Sti.* 19:61-68. 1964. 21 C622  
English summary.
- 100766 BAURNAN, L. F., and CRANE, P. L. 1963 performance trials of experimental Dent corn hybrids. *Ind. Agr. Expt. Sta. Res. Prog. Rpt.* 101, 10 p. Feb. 1964. 100 In2Res
- 100767 BIACSI, I. A contribution to the evaluation of direct and reciprocal crosses. In Martonvasar, Hungary. *Mezogazdasagi Kutato Intezet. Symposium on maize breeding and production*, p.V/I-V/15. Ref. 1963. 59.22 M363
- 100768 BLESKIN, E. N. Increasing yields of the grain of Moscow area. (Rus) *Zemledelie* 4:81-83. Apr. 1964. 20 Z44
- 100769 BOELMAN, R. B. Demands made by the farmer concerning new varieties of grain, legumes and beets. (Du) *Zaadbelangen* 18(1):3-4, 6. Jan. 15, 1964. 61.8 Z1
- 100770 BUCHANNON, K. W., and MCDONALD, W. C. What price-barley diseases? *Cereal News* 9(1):11-17. Spring 1964. 59.9 C1622  
Breeding for disease resistance.
- 100771 BURNSIDE, O. C., WICKS, G. A., and FENSTER, C. R. Influence of tillage, row spacing, and atrazine on sorghum and weed yields from non-irrigated sorghum across Nebraska. *Weeds* 12(3):211-215. Ref. July 1964. 79.8 W41
- 100772 BURNSIDE, O. C., FENSTER, C. R., and WICKS, G. A. Influence of tillage, row spacing, and atrazine on yield components of dryland sorghum in Nebraska. *Agron. J.* 56(4):397-400. July/Aug. 1964. 4 Am34P
- 100773 CHAPMAN, A. L., and VAN RIJN, P. J. Dry season rice varieties for the Ord River Valley. *West. Austral. Dept. Agr. J.* (ser.4) 5(4):241-242. Apr. 1964. 23 W52J
- 100774 CH'EN, C. Nanking number 1 and Ta-hsien rice; introducing two superior varieties of paddy rice. (Ch) *Nongye Jishu* 8:6-7. Aug. 1963. 22.5 N929
- 100775 COSCIA, A. A., and TORIGINO, S. B. DE. Evaluacion economica de los hibridos en la produccion de maiz [Economic evaluation of hybrids in corn production]. *Pergamino. Estac. Expt. Agropecuaria. Informe Tec.* 25, 15 p. May 1964. 102.5 P413
- 100776 CRAWFORD, W. R. Wheat growing in Marlborough. *New Zeal. J. Agr.* 108(5):455, 457, 459, 461, 463. May 15, 1964. 23 N48J
- 100777 CUNHA, E. A.; DA S. Hybrid corn. (Por) *Gaz. do Agr.* 15(173):303-304. Oct. 1963. 24 G25
- 100778 DACHSEL, H., and FEIFFER, P. Considerations on malting barley harvest. (Ge) *Deut. Landwirt.* 15(6):291-299. June 1964. 18 D4822
- 100779 DEMIDENKO, B. G. Results of the hybridization of sorghum. (Rus) *Agrobiologiya* 3:409-418. May/June 1964. 20 Ag822
- 100780 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Rye planting date trials, 1958-61. (Da) *Tidsskr. f. Planteavl* 67(3):539-542. 1963. 11 T439  
Effects on yields.
- 100781 DIAZ DEL PINO, A. Corn culture. (Sp) *Tierra [México]* 19(6):454, 503-505. (Cont.) June 1964. 8 T445
- 100782 DICKSON, A. D. Quality tests on barley selections and varieties. *Barley Impr. Conf. Proc.*, 14th Conf.:50-57. 1963. 59.9 M583
- 100783 DREIER, A. F., and others. Nebraska varietal tests of fall-sown small grains, 1964; winter wheat, winter barley, rye. *Nebr. Agr. Expt. Sta. Outstate Testing C.* 113, 24 p., map. Aug. 1964. 100 N270  
J. W. Schmidt, O. D. Warnes and P. H. Grabouski, joint authors.  
Includes yields.
- 100784 EFFERSON, J. N. New developments in rice in Central America and Panama. *Rice J.* 67(8):6-8, 10. July 1964. 59.8 R36
- 100785 ELIASSEN, S., and SELERUD, A. Aktuella forsokresultat fran ostra Mellansverige. II. Sortforsok med hostvete, varvete, havre och korn [Results of current research in Middle Sweden. II. Variety trials with fall wheat, spring wheat, oats and barley]. *Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk.* 18, 26 p. 1964. 11 Up62A
- 100786 FU-CHIEN NUNG HSUEH YUAN LIANG SHIH TSO WU CHIAO YEN TSU. A preliminary report on the P'an Wu-mao techniques for increasing early rice production. (Ch) *Fu-Chien Nung Yeh Fujian Nongye* 2/3:20-25. Feb. 1963. 22.5 F958
- 100787 GAMBIOLI, A. Sorghum and corn for central Italy. (It) *Raccolto* 5(4):61-62. Apr. 30, 1964. 16 R11  
Culture.
- 100788 GANGSTAD, E. O. Small grain trials for 1963. *Tex. Res. Found. Grass Mimeo.* 59, 2 p. July 1963. 60.9 T31
- 100789 GANGSTAD, E. O. Small grain trials for 1964. *Tex. Res. Found. Grass Mimeo.* 64, 2 p. July 1964. 60.9 T31
- 100790 GILL, M. S., and HUSSAIN, N. Effect of plant spacing on the growth and yield of grains of hybrid maize under Lyallpur conditions. *West Pakistan J. Agr. Res.* 1(4):1-8. Ref. Sept./Dec. 1963. 22 W52
- 100791 GILL, M. S., and SANDHU, G. H. Study of some agronomic factors affecting the maximum yield of wheat under Lyallpur conditions. *West Pakistan J. Agr. Res.* 1(3):5-11. Ref. June 1963. 22 W52  
Varieties.
- 100792 GOPP, K. Malting barley breeding in European countries. (Ge) *Monschr. f. Brauerei* 17(7):150-154. July 1964. 390.8 B7323
- 100793 GOSS, J. R., CURLEY, R. G., and MILLER, M. D. Combine losses in rice fields. *Rice J.* 67(7):61-62. June 30, 1964. 59.8 R36  
In California.
- 100794 GRAFTUS, J. E., and SMITH, D. H. Possibilities of developing winter type malting varieties. *Barley Impr. Conf. Proc.*, 14th Conf.:47-49. 1963. 59.9 M583
- 100795 GRAKOVSKII, P. P. The effect of vegetative hybridization on changes of inherited qualities of barley for brewing. (Rus) *Agrobiologiya* 2:226-230. Mar./Apr. 1964. 20 Ag822
- 100796 GRIGNAC, P., and SALS, A. Results of soft wheat variety trials carried out in the South of France. (Fr) *Paris. Ecole Franc. de Meun. B. des Anciens Eleves* 201:139-142. May/June 1964. 298.9 P21
- 100797 GUPTA, S. C., and THAKUR, J. R. A new approach to paddy cultivation in hilly regions. *Rice News Teller* 12(1):29. Jan./Mar. 1964. 59.8 R366

- 100798 GYORFFY, B., and others. Effect of different cultural conditions on maize yield. In Martonvasar, Hungary. Mezogazdasagi Kutato Intezet. Symposium on maize breeding and production, p.IX/I-IX/39. Ref. 1963. 59.22 M363  
I. I'so, L. J. Szabo, and E. Szalai, joint authors.
- 100799 GYORFFY, B., SZALAI, E., and SZABO, L. J. Some problems of growing maize for silage. In Martonvasar, Hungary. Mezogazdasagi Kutato Intezet. Symposium on maize breeding and production, p.XI/I-XI/6. 1963. 59.22 M363
- 100800 HALL, B. G. Legumes for cereal areas—northern red-brown earths. So. Austral. J. Agr. 67(10):306-307. May 1964. 23 So84  
Rotated with wheat.
- 100801 HERCZEGH, M. Experiences on the raising of two stock generations yearly. In Martonvasar, Hungary. Mezogazdasagi Kutato Intezet. Symposium on maize breeding and production, p.VI/I-VI/16. 1963. 59.22 M363
- 100802 HIIVOLA, S. L. Harvest time trials with spring cereals at Tikkurila in 1962. (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:38-45. 1964. 64.9 F49  
English summary.  
Effects of cutting time on grain quality after drying.
- 100803 IRELAND. DEPT. OF AGRICULTURE. Barley growing. Ireland. Dept. Agr. L. 87,6 p. Jan. 1964. 10.5 Ir42
- 100804 JEFFREYS, M. D. W., and MANGELSDORF, P. C. Corn in the Old World. Science 145 (3633):659. Aug.14,1964. 470 Sci2
- 100805 JOHNSTON, T. H. Rice varietal research—a progress report. Rice J. 67(7):14,16. June 30, 1964. 59.8 R36  
In Arkansas.
- 100806 JUDD, L. C. Dry rice agriculture in northern Thailand. Ithaca, N. Y., 1964. 82 p.,map. (Cornell University. Dept. of Asian Studies. Southeast Asia Program. Data paper No.52) 59.24 J88
- 100807 KARPENKO, M. Neither earlier nor later, but at the best date. (Rus) Sel'sk. Khoz. Kazakhstana 4:26-27. 1964. 20 K185  
Wheat planting date in drought-afflicted areas.
- 100808 KARPENKO, M. V. Planting dates of spring grain in virgin land area. (Rus) Zemledelie 4:76. Apr.1964. 20 Z44
- 100809 KELLY, T. K. Maize growing on the Atherton Tableland. Queensland Agr. J. 90(6):331-343, map. June 1964. 23 Q33
- 100810 KORNERUP, J. O. Culture of grain sorghum and its possibilities in Colombia. (Sp) Agr. Trop. 20(5):239-252, map. Ref. May 1964. 26 Ag8
- 100811 KOVACS, I. Some methodical problems of development, improvement and maintenance of inbred lines. In Martonvasar, Hungary. Mezogazdasagi Kutato Intezet. Symposium on maize breeding and production, p.III/I-III/46. Ref. 1963. 59.22 M363
- 100812 KRESS, MULLER, H. W., and SCHULZE, R. Problems of transition to industrial production method in grain culture. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(6):243-245. June 1964. 18 W763
- 100813 KUMAR, K., and BHATNAGAR, M. P. Aispuri, the jowar that pleases Rajasthan's farmers. Indian Farming 14(2):7, map. May 1964. 22 In283
- 100814 LARSSON, N. G. Results of grain and oil crop variety trials. (Sw) Centstyr. f. Malmohus Lans Forsoks- och Vaxtskyddsringar. Meddel. 30:130-136. 1963, pub.1964. 64.9 C332
- 100815 LEJEUNE, A. J. Barley variety surveys and acceptable varieties of malting barley for 1963. Barley Impr. Conf. Proc., 14th Conf.:8-18. 1963. 59.9 M583
- 100816 LI, M. S. Introducing several methods of seed selection in paddy rice. (Ch) Nongye Jishu 8: 4-6. Aug.1963. 22.5 N929
- 100817 LIN, S. C., and KUO, I. H. Rice culture and its development in China. Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed. 2:15-26. 1963. 26 L53
- 100818 LINDEGAARD, J. Spring grain varieties. (Da) Landbonyt 18(2):56-60. Feb.1964. 11 L2322
- 100819 LOUISIANA. AGRICULTURAL EXPERIMENT STATION. 55th annual progress report, Rice Experiment Station, Crowley, Louisiana, 1963. n.p., 1964? 184 p. 100 L93  
U. S. Dept. of Agriculture, cooperating.
- 100820 MCCOMBE, S. Cereal growing: the changing pattern in Ulster farming. Farmers' J. (n.s.)3 (32):39,41. Mar.6,1964. 10 F2234
- 100821 MAHAPATRA, I. C. and MANNA, G. B. Cuttack farmers can profitably raise a second rice crop. Rice News Teller 11(4):80. Oct./Dec. 1963. 59.8 R366
- 100822 MALINOVSKII, B. N. First sorghum hybrids at the Kubanskaya Opytnaya Stantsiya. (Rus) Agrobiologiya 3:426-431. May/June 1964. 20 Ag822
- 100823 MAMONTOVA, V. N., and I'LINA, L. G. Means and methods of producing early maturing and strong spring wheats. (Rus) Selekt. i Semen. 3: 34-39. May/June 1964. 61.9 Se5
- 100824 MANNER, R. Balder J Barley. (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:58-64. 1964. 64.9 F49  
English summary.  
Culture.
- 100825 MANNINGER, I., and DOLINKA, B. Breeding hybrids for resistance to diseases and insect pests. In Martonvasar, Hungary. Mezogazdasagi Kutato Intezet. Symposium on maize breeding and production, p.VII/I-VII/31. Ref. 1963. 59.22 M363
- 100826 MATHESON, E. M. Festiguay: the breeder's report—a new mid-season wheat variety for northern N.S.W. Agr. Gaz. N. S. Wales 75(7): 1174-1175. July 1964. 23 N472
- 100827 MATHISON, M. J. Oat grain and grazing trials to 1963. So. Austral. J. Agr. 67(11):340-349, map. June 1964. 23 So84
- 100828 MERTINS, S. Bring in the 1964 grain crop without loss. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(6):241. June 1964. 18 W763
- 100829 MISRA, D. K. Bajra supplement. Indian Farming 14(2):31,33-40, map. May 1964. 22 In283
- 100830 MOLNAR, F., and HORVATH, J. Experiences gained in production and processing of hybrid maize seed. In Martonvasar, Hungary. Mezogazdasagi Kutato Intezet. Symposium on maize breeding and production, p. VIII/I-VIII/35. 1963. 59.22 M363
- 100831 MURRAY, K. L. Grain, a basic food. U. S. D. A. Ybk. Agr. 1964:118-125. 1 Ag84Y  
History and production regions.
- 100832 NAMBOODIRI, K. M. N. Hybrid vigour in rice. Rice News Teller 11(4):92-96. Oct./Dec.1963. 59.8 R366
- 100833 NEDYALKOV, N. Study of the drought resistance of self-pollinated lines and hybrids of maize in connection with breeding. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Rasteniievud. Izv. 17:83-95. Ref. 1963. 451 B872  
English summary.
- 100834 NESTER, R. P. Nova rice. Ark. U. Agr. Ext. L. 359,5 p.-folder. Mar.1964. 275.29 Ar4Le
- 100835 NESTER, R. P. Rice production in Arkansas. Ark. U. Agr. Ext. C. 476, rev., 35 p., map. June 1964. 275.29 Ar4
- 100836 NIKITENKO, G. F., and NESTERENKO, L. M. Utilization of the method of hybridization in barley breeding. (Rus) Selekt. i Semen. 3:40-43. May/June 1964. 61.9 Se5
- 100837 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Oats, barley, wheat. North. Ireland. Min. Agr. L. 95,15 p. Apr.1964. 10 N81  
Culture.
- 100838 O'REILLY, J. A. A place for winter wheats in the North-West. Agr. Gaz. N. S. Wales 75(7): 1142-1143. July 1964. 23 N472
- 100839 PAMFIL, C., and RUSU, E. Experimental results on silage corn varieties and hybrids, cultivated in different mixtures. (Rum) Cluj. Inst. Agron. "Dr. Petru Groza." Lucrari Sti. 19:79-94. 1964. 21 C622  
English summary.



- 100840 PANG, C. S. Scientific technique on increasing rice yield over 500 kilograms per chongbo. U. S. Joint Publications Res. Serv. Econ. Rep. N. Korea 120:19-27. Apr. 22, 1964. 173 J663Er  
Translation from Nodong Sinmun, Mar. 15, 1964:2-3.
- 100841 PETERSON, G. A. Report on Trophy and Larker—agronomic. Barley Impr. Conf. Proc., 14th Conf.:2-4. 1963. 59.9 M583  
Barley varieties.
- 100842 PORTER, K. B., and others. Evaluation of short stature winter wheats (*Triticum aestivum* L.) for production under Texas conditions. Agron. J. 56(4):393-396. July/Aug. 1964. 4 Am34P  
I. M. Atikins, E. C. Gilmore, K. A. Lahr, and P. Scottino, joint authors.
- 100843 PRUTSKOVA, M. G. Wheat variety Mironovskaya 808. (Rus) Selekt. i Semen. 3:49-52. May/June 1964. 61.9 Se5
- 100844 RAO, U. P. Purity tests of two improved rice varieties. Rice News Teller 12(1):15-17. Jan./Mar. 1964. 59.8 R366
- 100845 RASMUSSEN, F. Wheat planting date trials. (Da) Tidsskr. f. Planteavl 67(3):369-384. 1963. 11 T439  
Effects on yields.
- 100846 RASMUSSEN, D. C. The future of barley diseases; breeding for disease resistance. Barley Impr. Conf. Proc., 14th Conf.:44-47. 1963. 59.9 M583
- 100847 REKUNEN, M. Trials on poorly-germinating seed of spring wheat. (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:65-74. 1964. 64.9 F49  
English summary.
- 100848 ROKUPR, SIERRA LEONE. WEST AFRICAN RICE RESEARCH STATION. Annual report, 1962. Rokupr, 1964. 28 p. 59.9 R63
- 100849 ROSSMAN, E. C. Released inbred lines of corn. Mich. Agr. Expt. Sta. Q. B. 46(4):499-501. May 1964. 100 M58S
- 100850 ROSSMAN, E. C. Two new corn hybrids—Michigan 270 and Michigan 400. Mich. Agr. Expt. Sta. Q. B. 46(4):502-506, map. May 1964. 100 M58S
- 100851 ROTHGEB, R. G. The performance of hybrid corn, 1961-1963. Md. Agr. Expt. Sta. Misc. P. 514, 20 p. May 1964. 100 M36M
- 100852 RUBAN, V. S. Production of stock seeds of winter wheat Bezostaya No. 1. (Rus) Selekt. i Semen. 3:29-31. May/June 1964. 61.9 Se5
- 100853 RUSMINI, B. Cultural care of corn. (It) Raccolto 5(4):60-61. Apr. 30, 1964. 16 R11
- 100854 SCHMID, W. The grain harvest. (Ge) Grune 92(29):926-929. July 17, 1964. 17 Sch9  
Switzerland.
- 100855 SECHLER, D. Possible new oat species for Florida. Sunshine State Agr. Res. Rpt. [Fla. Sta.] 9(3):11-12. July 1964. 100 F66Su
- 100856 SEN, S., SUR, S. C., and MUKHERJEE, D. Early Hegari is an unrivalled grain jowar. Indian Farming 14(1):26. Apr. 1964. 22 In283
- 100857 SHIMIZU, T., SHIMADA, M., and UENO, Y. Studies on yield-forecast in main crops. X. A characteristic in grain production of rice plant in Chugoku district. (Ja) Crop Sci. Soc. Japan. Proc. 32(3):217-220. Mar. 1964. 22.5 C88  
English summary.
- 100858 SHIMIZU, T., SHIMADA, M., and UENO, Y. Studies on yield-forecast in main crops. XI. Analysis of grain production of rice plant in Chugoku district. (Ja) Crop Sci. Soc. Japan. Proc. 32(3):221-224. Mar. 1964. 22.5 C88  
English summary.
- 100859 SHOULDERS, J. F., and SMITH, E. S. Harvesting corn for silage; here's when, here's how. Va. Polytech. Inst. Agr. Ext. L. 153, rev. 2 p. July 1964. 275.29 V81L
- 100860 SIMINOVITCH, D., and GFELLER, F. Development of a breeding program for improvement of hardiness in winter wheat. Cereal News 9(1):2-11. Spring 1964. 59.9 C1622
- 100861 SINGH, H. G., GUPTA, J. C., and MISHRA, A. P. Kashi—a promising strain. Rice News Teller 11(4):81. Oct./Dec. 1963. 59.8 R366
- 100862 SISLER, W. W. Report on Trophy and Larker—quality. Barley Impr. Conf. Proc., 14th Conf.:4-8. 1963. 59.9 M583  
Barley varieties.
- 100863 SONNIER, E. A. The foundation seed rice program. Rice J. 67(7):39-40. June 30, 1964. 59.8 R36  
In Louisiana.
- 100864 STICKLER, F. C. Row width and plant population studies with corn. Agron. J. 56(4):438-441. Ref. July/Aug. 1964. 4 Am34P
- 100865 STRAND, E. Means and methods for avoiding sprouting damage to grain. (No) Tidsskr. f. det Norske Landbr. 71(6):125-135. 1964. 11 T433  
Chiefly on the development of varieties with slow germinative capacity.
- 100866 SVINAREV, V. I. Rice as a promising culture in the flood and delta area of River Volga. (Rus) Vest. Sel'skokhoz. Nauki [Moscow] 4:24-28. 1964. 20 V633  
English summary.
- 100867 SZUCS, K. Problems of our bread cereal production. (Hu) Termesztud. Kozlony 8(2):83-86. Feb. 1964. 410 T272  
Chiefly on wheat culture.
- 100868 TAHIR, W. M. Sorghum improvement for mechanized production in the central rainlands of the Sudan. Empire J. Expt. Agr. 32(127):211-218. Ref. July 1964. 10 Em7  
Includes varieties.
- 100869 VAIDYA, S. M., and SINGH, B. A shortcut to hybrid maize production. Indian Farming 14(2):6-7. May 1964. 22 In283
- 100870 VILM, S. N. Another undesirable wheat. Grain Prod. News 17(1):7. Aug./Sept. 1964. 281.81 G764  
Variety.
- 100871 WALLIN, J. Sowing time trials with spring wheat in the years 1951-63. (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:75-79. 1964. 64.9 F49  
English summary.  
Effects of planting date on yields.
- 100872 WLJVEKATE, M. L. Statistical programming in the breeding of new barley varieties. (Du) Internatl. Tijdschr. v. Brouwerij en Mouterij 23(6):161-165. 1963/64. 390.8 R32Af
- 100873 YANKOV, B. Study on the effect of planting density on the morphological structure, yields and nutritive value of corn in the waxy stage. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Zhivotn. Izv. 17:201-211. Ref. 1963. 49.9 B872I  
English summary.

#### Fiber Crops

- 100874 CHIEN, S. Y., and CHOU, H. The investigation of the interspecific crosses between *Gossypium hirsutum* L. and *G. arboreum* L. and their application on plant breeding. (Ch) Tso Wu Hsueh Pao. Zuowu Zuebao 2(1):29-44. Ref. Feb. 1963. 64.8 T78  
English summary.
- 100875 CHIPLUNKAR, N. C., and VERMA, S. S. A note on the effect of seed rate and spacing on the fibre properties of the desi cotton, Bhoj. Indian Cotton Growing Rev. 18(3):173-174. May 1964. 72.8 In23
- 100876 CRETENET, S., BRAUD, M., and MEGIE, C. Several aspects of the production of and research on cotton in Israel. (Fr) Coton et Fibres Trop. 19(2):293-306. June 1964. 73.8 C82
- 100877 DANELL, N. Spanadslinets odling i belysning av utforda forsok [Culture of fiber flax in the light of trials]. Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 35, 15 p., map. 1964. 11 Up62A
- 100878 EDWARDS, F. E. Minimum seedbed preparation for cotton. Miss. Agr. Expt. Sta. Inform. Sheet 841, 2 p. Mar. 1964. 100 M69In
- 100879 HARNESS, V. L., and PORTER, H. G. Cotton, king of fibers. U. S. D. A. Ybk. Agr. 1964:220-226. 1 Ag84Y  
Culture and industry.

- 100880 HUA, H. N., and others. The use of heterosis in the interspecific F<sub>1</sub> hybrids between *Gossypium hirsutum* and *G. barbadense*. (Ch) Tso Wu Hsueh Pao. Zuowu Xuebao 2(1):1-28. Ref. Feb. 1963. 64.8 T78  
H. Chou, C. C. Huang, S. L. Chu, S. C. Yu, L. S. Chang, and H. M. Liu, joint authors. English summary.
- 100881 INDIAN CENTRAL COTTON COMMITTEE. Forty-second annual report, for the year ended 31st August 1963. Bombay, 1963. 98 p. 72.9 In233A
- 100882 IYENGAR, N. K., and others. A note on the effect of spacing-cum-number of plants per hill-cum-nitrogen levels on yield in "Andrews" cotton. Indian Cotton Growing Rev. 18(3):171-172. May 1964. 72.8 In23  
M. V. Bhat, I. Balasundram, and N. Krishnamaraj, joint authors.
- 100883 KAMMACHER, P., and POISSON, C. On the possibilities of transferring genetic material from the wild cotton plant *Gossypium anomalum* Waw. and Peyr. to the cultivated species *G. hirsutum* L. (Fr) Coton et Fibres Trop. 19(2):243-264. Ref. June 1964. 73.8 C82  
English summary.
- 100884 KOROLEV, L. I., VOITEKHOVA, V. A., and STONOV, L. D. New chemical substances for pre-harvest elimination of the leaves of the cotton plant. 11 p. Transl. 13991  
Translation from Vestnik Sel'skokhozyaistvennoi Nauki 3(1):82-91. Jan. 1958.
- 100885 LARSEN, A. Experiments on varieties of spinning hemp 1957-61. (Da) Tidsskr. f. Planteavl 67(3):435-443. 1963. 11 T439  
English summary.
- 100886 LEITAO, A. B. Kenaf and its production. (Por) Gaz. do Agr. 15(171):261-269. Ref. Aug. 1963. 24 G25
- 100887 LI, M. H. Seed selection in hemp. (Ch) Nongye Jishu 8:22-23. Aug. 1963. 22.5 N929
- 100888 LIU, C. H. The right way of pruning cotton during the latter period. (Ch) Nongye Jishu 8:8-9. Aug. 1963. 22.5 N929
- 100889 MEMON, A. M., BALUCH, M. A., and BUKHARI, K. M. M100—a new long staple variety of cotton for Hyderabad region. West Pakistan J. Agr. Res. 1(4):103-105. Sept./Dec. 1963. 22 W52
- 100890 MEMON, A. M., and others. Tandojam Desi No. 1, a new coarse fibre variety of Desi cotton for Hyderabad region. West Pakistan J. Agr. Res. 1(3):101-102. June 1964. 22 W52  
M. A. Baluch, Q. H. Qazi, and A. N. Almani, joint authors.
- 100891 PROTZMAN, C. M. Bast, the textile fibers. U. S. D. A. Ybk. Agr. 1964:227-236. 1 Ag84Y  
History of fiber plants.
- 100892 PROTZMAN, C. M. Other vegetable fibers. U. S. D. A. Ybk. Agr. 1964:246-250. 1 Ag84Y  
Varieties.
- 100893 PROTZMAN, C. M. Structural, or leaf, fibers. U. S. D. A. Ybk. Agr. 1964:237-245. 1 Ag84Y  
Varieties and culture.
- 100894 RAMACHANDRAN, C. K., KRISHNAMURTHY, J., and PETER, S. D. Recent advances in interspecific hybridization work involving wild species of cotton in Madras. Indian Cotton Growing Rev. 18(4):248-257. July 1964. 72.8 In23
- 100895 RAO, M. V., and VACHHANI, M. V. Possibilities of growing jute in rotation with rice. Rice News Teller 12(1):18-20. Ref. Jan./Mar. 1964. 59.8 R366
- 100896 RZAEV, M. M. Methodical problems of the practical breeding of cotton. (Rus) Agrobiologiya 3:399-403. May/June 1964. 20 Ag822
- 100897 SHIMANSKII, N. K. Production of winter resistant forms of flax by specific cultivation. (Rus) Agrobiologiya 3:461-464. May/June 1964. 20 Ag822
- 100898 SINGH, G., SINGH AUJLA, A., and SINGH, A. Studies on heterosis and combining ability in intra-hirsutum and hirsutum barbadense crosses. Indian Cotton Growing Rev. 18(3):121-137. Ref. May 1964. 72.8 In23  
Breeding.
- 100899 STEELE, W. G. What makes good quality cotton? Queensland Agr. J. 90(6):348-353. June 1964. 23 Q33
- 100900 STRAUMAL, B. P. Breeding wilt resistant cotton. (Rus) Agrobiologiya 2:174-178. Mar./Apr. 1964. 20 Ag822
- 100901 SUN, S. K. Good results from seed selection in cotton. (Ch) Nongye Jishu 8:2-3. Aug. 1963. 22.5 N929
- 100902 SZUT'U, C. C. Good management of seed selection for jute. (Ch) Nongye Jishu 8:23-24. Aug. 1963. 22.5 N929
- 100903 TU, T. H., TUAN, H. N., and LANG, H. K. Studies on the breeding and hybridization for disease resistance in kenaf (*Hibiscus cannabinus* L.). (Ch) Tso Wu Hsueh Pao, Zuowu Xuebao 2(1):45-54. Feb. 1963. 64.8 T78  
English summary.

#### Forage Crops and Grasses

- 100904 AGERBERG, L. S. Meadows and crop rotation. (Sw) Svensk Valltidskr. 3(1):16-19. 1964. 60.8 Sv22
- 100905 AGNEW, S. August grassland tasks. Farmers' J. (n.s.) 4(1):19. Aug. 7, 1964. 10 F2234
- 100906 ALBERDA, T. Problems created by the establishment of relations between the results of work undertaken in greenhouses or under controlled conditions and that which occurs in sward. (Fr) Fourrages 16:47-50. Dec. 1963. 60.8 F82
- 100907 ANDREWS, O. N. Bahiagrass. Auburn U. Agr. Ext. C. 548,8 p.-folder. Apr. 1963. 275.29 AL1C
- 100908 ANIANSSON, G., and others. Nyare skordemetoder for vallfro. Improved methods of harvesting pasture seeds. Jordbrtek. Inst. Meddel. 305,108 p., map. Ref. 1964. 58.9 J762  
English summary.  
L. Kahre, E. Nilsson, O. Noren, and S. A. Svedsater, joint authors.
- 100909 ANTTINEN, O. Trials with Italian ryegrass as a ley nurse crop. (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:80-87. 1964. 64.9 F49  
English summary.
- 100910 ARENS, R. Beitrage zur langjahrigen Entwicklung von Mahweide-Ansaaten unter besonderer Berucksichtigung der kritischen Staatstarken [Contributions to the development over many years of mowing meadow seeding with special attention to critical planting strength]. Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn 8,149 p. Ref. 1963. 18 F777
- 100911 ARENS, R. Improvement of wasteland with and without renovation. (Ge) Europe. Conf. Forage Prod. Natur. Grassland Mountain Reg. Proc., 1962 Conf.:85-93. 1963. 60.19 Eu72  
English summary.
- 100912 ASSOCIATION POUR LE DEVELOPPEMENT DE LA CULTURE FOURRAGERE. Rapport d'activite [Report on activities], 1963. Berne, 1964. 12 p. 60.9 Ar1R
- 100913 BAGHI, I. Perspectives for the production of alfalfa seeds in Hungary. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:73-75. 1964. 20 M57
- 100914 BAKER, H. K. Recording of data relative to meadows. (Fr) Fourrages 16:95-103. Dec. 1963. 60.8 F82
- 100915 BALL, D. E. Range seeding introduced grasses on rootplowed land in the northwest Rio Grande Plain. J. Range Mangt. 17(4):217-220, map. July 1964. 60.18 J82
- 100916 BANFIELD, G. L. Technically reasonable potentials of the South Auckland land district. New Zeal. Inst. Agr. Sci. Proc. 9:117-122. 1963. 23 N489P  
Pasture management.
- 100917 BARCLAY, P. C. Extending season of growth of pasture. Massey Agr. Col. Sheepfarming Annu. 1963:103-109. 45.9 M38S  
New Zealand.



- 100918 BARCLAY, P. C. Extending season of growth of pasture. *New Zeal. J. Agr.* 108(5):437,439-441. May 15, 1964. 23 N48J
- 100919 BAUMEISTER, J. Selecting and seeding grasses and white clover for the grass mulch method. (Ge) *Erwerbsobstbau* 5(12):232-234. Dec. 1963. 80 Er9
- 100920 BAYLOR, J. E. Pep up those permanent pastures. *Hoard's Dairyman* 109(15):833,837. Aug. 10, 1964. 44.8 H65
- 100921 BENGTTSSON, A. Utsadesmangdsforsok med rodklover i slattervallar. Trials with different seed rates of red clover in leys. Uppsala. Lantbrhogsk. Meddel. Ser. A. 15,28 p. Ref. 1964. 11 Up62  
English summary.
- 100922 BOYLE, J. W., and MCDONALD, M. A. K. Sudax—a hybrid sorghum—provides more grazing. *Agr. Gaz. N. S. Wales* 75(4):952-956. Apr. 1964. 23 N472
- 100923 BURGESS, A. C. An assessment of the potential carrying capacity of the Hawke's Bay and Gisborne land districts. *New Zeal. Inst. Agr. Sci. Proc.* 9:123-130. 1963. 23 N489P  
Pasture management and soils.
- 100924 CAPUTA, J. Forage production in the mountain zone in Switzerland. (Fr) *Europe. Conf. Forage Prod. Natur. Grassland Mountain Reg. Proc.*, 1962 Conf.:39-62, map. Ref. 1963. 60.19 Eu72  
English summary.  
Includes discussion.
- 100925 CARTER, J. F. Alfalfa production in North Dakota. *N. Dak. Agr. Expt. Sta. B.* 448,48 p., map. Ref. June 1964. 100 N813
- 100926 CHESTNUTT, D. M. B., YOUNG, J. A., and RIPPEY, J. C. Effect of age on output of grassland. *North. Ireland. Min. Agr. Res. & Expt. Rec.* 12(2):107-112. Ref. 1962, pub. 1964. 10 N81R
- 100927 CHIRKUNOVA, A. V. Planting methods of red clover for seeds. (Rus) *Zemledelie* 4:77. Apr. 1964. 20 Z44
- 100928 COOPER, M. M. G. Influence of new techniques of forage production on the management. (Fr) *Fourrages* 16:125-139. Dec. 1963. 60.8 F82
- 100929 COPEMAN, G. J. F. Surface seeding techniques practised in the Highlands and islands of Scotland. *Europe. Conf. Forage Prod. Natur. Grassland Mountain Reg. Proc.*, 1962 Conf.:223-231. 1963. 60.19 Eu72  
Includes discussion.
- 100930 COSBY, H. E. Silver sagebrush [*Artemisia cana*] in eastern North Dakota. *J. Range Mangt.* 17(4):212-213. July 1964. 60.18 J82
- 100931 CROSS, M. W. Hill country pasture improvement by overdrilling. *Massey Agr. Col. Sheep-farming Annu.* 1963:43-47. 45.9 M38S  
New Zealand.
- 100932 DAS, R. B. Getting pasture grasses to give more seed. *Indian Farming* 14(2):20-22. May 1964. 22 In283
- 100933 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Medic variety trials, 1959-1962. (Da) *Tidsskr. f. Planteavl* 68(1):153-154. 1964. 11 T439
- 100934 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Trials with forage peas and food peas. (Da) *Tidsskr. f. Planteavl* 67(3):521-524. 1963. 11 T439
- 100935 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Variety trials with bluegrass, Kentucky bluegrass and red fescue. (Da) *Tidsskr. f. Planteavl* 68(1):159-162. 1964. 11 T439
- 100936 DESROCHES, R. Variety tests of forage plants under practical conditions of utilization. (Fr) *Fourrages* 16:34-46. Dec. 1963. 60.8 F82
- 100937 DEXTER, S. T. Alternate three-cutting systems for alfalfa. *Agron. J.* 56(4):386-388. July/Aug. 1964. 4 Am34P
- 100938 DUDLEY, R. F., and HUDSPETH, E. B. Pitting and listing treatments on native shortgrass rangeland. *Tex. Agr. Expt. Sta. Prog. Rpt.* 2313, 7 p. June 9, 1964. 100 T31P  
U. S. Department of Agriculture, cooperating.  
Includes reseeding.
- 100939 EUROPEAN CONFERENCE FOR FORAGE PRODUCTION ON NATURAL GRASSLAND IN MOUNTAIN REGIONS, CHUR, SWITZERLAND, 1962. Bericht.Proceedings. Zurich, Arbeitsgemeinschaft zur Forderung des Futterbaues, 1963. 239 p. Ref. 60.19 Eu72  
Text in English, French and German.
- 100940 FELLETTI, G. Herbage a source of forage. (It) *Agr. della Spezia* 13(6):91-93. June 1964. 16 Ag8229  
Culture.
- 100941 FILIMONOV, P. N. Alfalfa in Leningrad area. (Rus) *Zhivotnovodstvo* 3:58-61. Mar. 1964. 49 Z6  
Culture.
- 100942 FRIBOURG, H. A. Summer annual forage grasses for Tennessee. *Tenn. Agr. Expt. Sta. B.* 373,36 p. Dec. 1963. 100 T25S
- 100943 GANGSTAD, E. O., and LONGSTAFF, W. H. Cultural practices for growing coastal Bermuda grass [*Cynodon dactylon*]. *Tex. Res. Found. Grass Mimeo.* 52,2 p. Dec. 1962. 60.9 T31
- 100944 GANGSTAD, E. O., and SIMPSON, B. J. Cultural practices for growing Columbus grass [*Sorghum alnum*]. *Tex. Res. Found. Grass Mimeo.* 53,2 p. Dec. 1962. 60.9 T31
- 100945 GANGSTAD, E. O. Cultural practices for growing Desoto grass. *Tex. Res. Found. Grass Mimeo.* 65,2 p. Aug. 1964. 60.9 T31  
Sorghum hybrid.
- 100946 GANGSTAD, E. O., and STREETMAN, L. J. Cultural practices for growing Ermelo lovegrass [*Eragrostis curvula*]. *Tex. Res. Found. Grass Mimeo.* 51,2 p. Dec. 1962. 60.9 T31
- 100947 GANGSTAD, E. O. Desoto grass. *Tex. Res. Found. Grass Mimeo.* 63,4 p. June 1964. 60.9 T31  
Sorghum hybrid.
- 100948 GANGSTAD, E. O. Ermelo lovegrass [*Eragrostis curvula*]. *Tex. Res. Found. Grass Mimeo.* 47,6 p. Jan. 1962. 60.9 T31
- 100949 GANGSTAD, E. O., and GUNDY, L. J. Grazing sorghum variety trial. *Tex. Res. Found. Grass Mimeo.* 60,2 p. Oct. 1963. 60.9 T31
- 100950 GANGSTAD, E. O., and GUNDY, L. J. Silage sorghum trials. *Tex. Res. Found. Grass Mimeo.* 61,2 p. Nov. 1963. 60.9 T31
- 100951 GANGSTAD, E. O., and WERNER, J. Tejas Indian grass [Bluestem]. *Tex. Res. Found. Grass Mimeo.* 58,3 p. May 1963. 60.9 T31
- 100952 GARBE, P., and JELITTO, R. Cooperative grassland management on the Scheibenberg and Gelenau type I LPG. (Ge) *Wiss.-Tech. Fortschr. f. die Landwirt.* 5(5):203-206. May 1964. 18 W763
- 100953 GIARDINI, A. Summer herbage. (It) *Raccolto* 5(4):51-57. Apr. 30, 1964. 16 R11  
Culture and varieties of forage plants.
- 100954 GIARDINI, A., and TODERI, G. The time of harvesting forage plants for tower ensiling. (It) *Prog. Agr. [Bologna]* 10(2):171-188. Feb. 1964. 58.8 P94
- 100955 GRANITOV, A. I. Study of forage plant culture on unirrigated lands [of Uzbekistan]. (Rus) *Uz. Nauch.-Issled. Inst. Zhivotn. Tr.* 7:159-230. Ref. 1962. 49.9 Uz12T  
Review of literature.
- 100956 GREEN, J. O. A measure of the forage production and its meaning in relation to the utilization of the meadow. (Fr) *Fourrages* 16:51-54. Dec. 1963. 60.8 F82
- 100957 GRIMMETT, S. G. Prepared seed-beds best for pasture establishment. *Agr. Gaz. N. S. Wales.* 75(4):930-934, 973. Apr. 1964. 23 N472  
Subterranean clover.
- 100958 HAGERSTROM, R. C. A closer look at run-down pastures. *So. Austral. J. Agr.* 67(10):308-315. May 1964. 23 So84  
Management.
- 100959 HALVORSEN, H. Crop trials at Elvestad (Vesteralen) 1963. (No) *Ny Jord* 51(2):76-77. Apr. 1964. 282.28 N98  
Forage plants.

- 100960** HAUSSMANN, G. The introduction of rational utilization in pasture management. (Fr) Europe. Conf. Forage Prod. Natur. Grassland Mountain Reg. Proc., 1962 Conf.:111-123. Ref. 1963. 60.19 Eu72  
English summary.  
Italy.
- 100961** HEDIN, L., and KERGUELEN, M. Peculiar character of the mountain meadows of Haute-Auvergne and exploitation. (Fr) Europe. Conf. Forage Prod. Natur. Grassland Mountain Reg. Proc., 1962 Conf.:173-178. 1963. 60.19 Eu72  
English summary.
- 100962** HILLI, A. Quality of red clover seed grown in Finland. (Fi) Finland. Maatalouden Tutkimuskeskus, Maatalous ja Koet, 18:97-106. 1964. 64.9 F49  
German summary.
- 100963** HOFFMANN, K. More and better feed from grassland. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(5):193. May 1964. 18 W763  
Forage production and program.
- 100964** HOVELAND, C. S., CREEL, J. M., and WEBSTER, H. L. Frontier crimson furnishes needed grazing in fall and winter. Highlights Agr. Res. [Ala. Sta.] 11(3):8. Fall 1964. 100 AL1H  
Clover variety.
- 100965** HSIN, C. C. Experiences in grass lands by pasture farmers in dry areas. (Ch) Nongye Jishu 6:27-29. June 1963. 22.5 N929
- 100966** HUGHES, R. The selection of herbage varieties for reseeding upland pasture. Europe. Conf. Forage Prod. Natur. Grassland Mountain Reg. Proc., 1962 Conf.:211-216. 1963. 60.19 Eu72  
Great Britain.
- 100967** HUGO, H. C. Annual summer legumes for winter hay in the Eastern Free State. Farming So. Africa 40(4):6-7. July 1964. 24 So842
- 100968** HUNTER, R. F., and EADIE, J. Botanical research at the Hill Farming Research Organisation. Europe. Conf. Forage Prod. Natur. Grassland Mountain Reg. Proc., 1962 Conf.:165-171. Ref. 1963. 60.19 Eu72  
Pasture management.
- 100969** IRELAND. DEPT. OF AGRICULTURE. Hay-making. Ireland. Dept. Agr. L. 46,4 p. Dec. 1963. 10.5 Ir42  
Largely harvesting.
- 100970** JACOBSEN, A. The grasslands of tomorrow. (Da) Tolvmandsbladet 36(3):119-124. Mar. 1964. 11 T58  
Pasture and meadow management.
- 100971** JAIN, S. K. A note on propagation of sand-binding creeper, *Ipomaea pes-caprae*. Allahabad Farmer 37(6):9-10. Nov.1963. 22 AL5
- 100972** KELLY, T. K. Desmodium at Topaz. Queensland Agr. J. 90(5):272-275. May 1964. 23 Q33
- 100973** KLAPP, E. Some fundamentals of improving natural grasslands in the mountains. (Ge) Europe. Conf. Forage Prod. Natur. Grassland Mountain Reg. Proc., 1962 Conf.:63-70. Ref. 1963. 60.19 Eu72  
English summary.
- 100974** KRETSCHMER, A. E., and HAYSLIP, N. C. Evaluation of several combinations of grasses and white clover on Immokalee fine sand in south Florida. Fla. Agr. Expt. Sta. B. 676, 16 p. Ref. June 1964. 100 F66S  
Culture.
- 100975** KUCERA, C. L., and KOELLING, M. The influence of fire on composition of central Missouri prairie. Amer. Midland Nat. 72(1):142-147. Ref. July 1964. 410 M58  
Pasture management.
- 100976** LARIN, I. V. Natural meadows and pastures and methods of their improvement. (Rus) Bot. Zhur. [Moscow] 49(6):822-832. June 1964. 451 R923
- 100977** LAWRENCE, T., and TROELSEN, J. E. An evaluation of 15 grass species as forage crops for southwestern Saskatchewan. Canad. J. Plant. Sci. 44(4):301-310. Ref. July 1964. 450 C16
- 100978** LAZANYI, A., MLESNITA, L., and KAIN, I. An initial material for the breeding process of forage barley. (Rum) Cluj. Inst. Agron. "Dr. Petru Groza." Lucrari Sti. 19:95-99. 1964. 21 C622  
English summary.
- 100979** LINDER, H., and NILSSON, I. Seed mixtures for hay fields. (Sw) Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 6:1-17. 1964. 11 Up62A
- 100980** LINDER, H., and NILSSON, I. Trials with annual roughage plants. (Sw) Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 6:19-28. 1964. 11 Up62A
- 100981** MCILROY, R. J. An introduction to tropical grassland husbandry. London, Oxford U. Press, 1964. 128 p. Ref. 60.1 M182
- 100982** MADDALONI, J. *Festuca alta* (Festuca arundinacea Schreb.) [Tall fescue (Festuca arundinacea Schreb.)]. Pergamino. Estac. Expt. Agrop-euario. Informe Tec. 21,33 p. Mar.1964. 102.5 P413
- 100983** MALUSHA, K. V. Breeding and culture of forage beans. (Rus) Agrobiologiya 2:191-198. Mar./Apr.1964. 20 Ag822
- 100984** MANITOBA. DEPT. OF AGRICULTURE AND CONSERVATION. Forage crops for Manitoba. Manitoba. Dept. Agr. & Conserv. P. 306,rev., 21 p. May 1964. 275.29 M313
- 100985** MARSCHALL, F. Fundamental research on natural meadows with special regard to Swiss conditions. (Ge) Europe. Conf. Forage Prod. Natur. Grassland Mountain Reg. Proc., 1962 Conf.:15-37. Ref. 1963. 60.19 Eu72  
English summary.
- 100986** MATVEEV, V. Experiment plus science: success. (Rus) Sel'sk. Khoz. Kazakhstana 4:54-56. 1964. 20 K185  
Culture of forage plants in deserts and semi-deserts of Kazakhstan.
- 100987** MAURER, T. C. Why they won't give up. Better Crops Plant Food 48(4):12-15. July/Aug. 1964. 6 B46  
Fescue for feed and cover crop.
- 100988** MEREDITH, W. R., and others. Summer annual forage variety tests. Miss. Agr. Expt. Sta. Inform. Sheet 856,2 p. May 1964. 100 M69In  
C. Y. Ward, C. B. Browning, J. W. Lusk, L. Walton; R. E. Coats, P. G. Hogg, R. C. Albritton, C. L. Blount and M. Sumrall, joint authors.
- 100989** MIRITA, I., and others. The results of experiments made with corn, Sudangrass and sorghum in a mixture with soya for obtaining high production of green fodder. (Rum) Rev. de Zooteh. si Med. Vet. 14(2):34-40. Feb.1964. 49 P943  
G. Pavel, E. Vascautuanu, E. Achitei, joint authors.  
English summary.  
Culture.
- 100990** MITCHELL, K. J. Production potential of New Zealand pasture land. New Zeal. Inst. Agr. Sci. Proc. 9:80-96,map. 1963. 23 N489P  
Includes discussion.
- 100991** MONTERRAT-RECORDER, P. Pastures in the Spanish Pyrenees. (Fr) Europe. Conf. Forage Prod. Natur. Grassland Mountain Reg. Proc., 1962 Conf.:79-84. Ref. 1963. 60.19 Eu72  
English summary.
- 100992** MONTIER, N. S., and RADCLIFFE, J. E. Problems in measuring pasture composition in the field. 3. An evaluation of point analysis, dry-weight analysis, and tiller analysis. New Zeal. J. Bot. 2(2):131-142. Ref. June 1964. 450 N48
- 100993** MUMINOV, KH. Results of tests on planting date of Sorghum durra in Kara-Kalpak ASSR. (Rus) Uz. Nauch.-Issled. Inst. Zhivotn. Tr. 7:19-25. 1962. 49.9 Uz12T
- 100994** MURPHY, W. E., and LEE, J. Botanical analyses and research in relation to productivity of pastures. (Fr) Fourrages 16:15-22. Dec.1963. 60.8 F82



- 100995 NAKHUTSRISHVILI, SH. G. Dinamika proizvoditel'nosti vysokogornyykh pastbishch Gruzii [Dynamics of the production of mountain pastures of Georgia]. Tbilisi, Izdatel'stvo Akademii Nauk Gruzinskoi SSR, 1963. 153 p. Ref. 60.1 N142
- 100996 NELLIST, M. E. Harvesting grass seed—which method should be used? Agr. Merchant 44(7): 64,66-67. July 1964. 10 Ag89
- 100997 NIKITENKO, G. F. New variety of forage oat. (Rus) Zemledelie 4:75. Apr.1964. 20 Z44
- 100998 NIZAMUDDIN, S., and KUMAR, R. Seed setting in berseem [Egyptian clover] in relation to forage yield. Allahabad Farmer 37(6):17-21. Nov.1963. 22 AL5
- 100999 NORRMAN, G. Alsikeklover-fakta och synpunkter [Alsike clover—facts and views]. Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 33,18 p. 1964. 11 Up62A  
Culture.
- 101009 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Getting the most from grass. North. Ireland. Min. Agr. L. 40,28 p. May 1964. 10 N81
- 101010 NOWAK, M. The management of arable land and mountain meadows in the Polish part of the Carpathians. (Ge) Europe. Conf. Forage Prod. Natur. Grassland Mountain Reg. Proc., 1962 Conf.:179-186. 1963. 60.19 Eu72  
English summary.  
Chiefly pasture management.
- 101011 OFFUTT, M. S., and WALTERS, H. J. Annual Lespedeza variety and strain trials, 1957 to 1962. Ark. Agr. Expt. Sta. Rpt. Ser. 127,38 p., map. Ref. June 1964. 100 Ar42R
- 101012 ORSI, S. Forage production in the Apennines and its possible improvement. (Fr) Europe. Conf. Forage Prod. Natur. Grassland. Mountain Reg. Proc., 1962 Conf.:187-199. Ref. 1963. 60.19 Eu72  
English summary.  
Includes discussion.
- 101013 OWEN, M. A. The Pasture Research Station at Kongwa. Kenya Farmer 94:20-21. Apr.1964. 24 R812  
Administered by Tanganyika Ministry of Agriculture.
- 101014 PETKOV, V. Studies on Phacelia as a component of vetch in hay production. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Ovosharstvo. Izv. 5:169-180. 1963. 86 G16  
German summary.
- 101015 PRINE, G. M., and WEST, S. H. East-west rows best for blue lupine. Sunshine State Agr. Res. Rpt. [Fla. Sta.] 9(3):10-11. July 1964. 100 F66Su
- 101016 RAININKO, K., and PAATELA, J. Trials on ley establishment. (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:107-113. 1964. 64.9 F49  
English summary.
- 101017 RASMUSSEN, F. Experiments with grass species for leys, 1957-1959. (Da) Tidsskr. f. Planteavl 67(3):385-400. 1963. 11 T439  
English summary.
- 101018 RASMUSSEN, F. Variety trials with cocksfoot and meadow fescue 1958-61. (Da) Tidsskr. f. Planteavl. 67(3):401-423. 1963. 11 T439  
English summary.
- 101019 RAUZI, F. Late-spring herbage production on shortgrass rangeland. J. Range Mangt. 17(4): 210-212. July 1964. 60.18 J82  
Management.
- 101020 REBISCHUNG, J. Integration of the results of research with practice. (Fr) Fourrages 16: 104-124. Dec.1963. 60.8 F82  
Pastures and meadows.
- 101021 RIVOIRA, G. Comparison for ecotypes of alfalfa in dry culture. (It) Studi Sassaresi. Sez. III, 10:59-89. Ref. 1962,pub.1963. 507 Sa7Sa  
English summary.  
Ten strains of alfalfa compared, in Sardinia.
- 101022 ROGOV, V. A. Preliminary data on culture of annual forage plants at the Sanzarsk Kollektionnyi Pitomnik. (Rus) Uz. Nauch.-Issled. Inst. Zhivotn. Tr. 7:13-17. 1962. 49.9 Uz12T
- 101023 ROGOV, V. A. Preliminary data on culture of perennial grasses at the Sanzarsk Eksperimental'naya Baza po Ovtsevodstvu in 1960. (Rus) Uz. Nauch.-Issled. Inst. Zhivotn. Tr. 7:3-11. 1962. 49.9 Uz12T
- 101024 RUANOVA, A. Pangolagrass. (Sp) Credito Rur. (ser.2)137:9,14. Nov.1963. 284.28 C863  
Culture in Venezuela.
- 101025 RUMICH, B. Rapport au Gouvernement du Burundi sur amelioration de la production des terres pastorales [Report to the Government of Burundi on improvement of production of pasture lands]. Food & Agr. Organ. United Nations. Expanded Tech. Asst. Program. FAO Rpt. 1575,18 p.,map. 1963. 281.9 F733E
- 101026 SCHMIDT, E. Education of grassland agronomists in the Magdeburg district. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(5):228-229. May 1964. 18 W763
- 101027 SCHUSTER, W., and WREDE, H. The grass peavine [Lathyrus sativus] as stubble crop. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(27): 975-977. July 2,1964. 18 N39
- 101028 SHISHKIN, A. I. Black medic as a valuable component of pastures. (Rus) Zhivotnovodstvo 3:61-62. Mar.1964. 49 Z6  
Culture.
- 101029 SMITH, J. A. C., and ARGYLE, D. B. Establishing wheatbelt pastures?—Don't use a cover crop. West. Austral. Dept. Agr. J. (ser.4)5(3): 134-136,139-140. Mar.1964. 23 W52J
- 101030 SMOLJAKOVA, V. Influence of method of utilization on the formation of the grassy stand, and also on the yield and feed value of the yield from cultivated pastures and meadows. (Es) Rohumaaviljelus 3:89-102. 1962. 60.18 R63  
Russian summary.
- 101031 SODERPALM, E. New method for planting meadows. (Sw) Svensk Valltidsskr. 3(1):31-32. 1964. 60.8 Sv22
- 101032 SPEIDEL, B. The species association as criterion for the yield production in the Hessian subalpine meadows. (Ge) Europe. Conf. Forage Prod. Natur. Grassland Mountain Reg. Proc., 1962 Conf.:71-78. 1963. 60.19 Eu72  
English summary.
- 101033 STEEN, E. Seed mixtures, seed amounts and varieties for meadows. (Sw) Svensk Valltidsskr. 3(1):12-15. 1964. 60.8 Sv22
- 101034 STOTTMEISTER, W. Completely mechanized marrow cabbage culture in Gross-Lusewitz. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(5):229-231. May 1964. 18 W763  
Forage.
- 101035 THOMAS, P. T. Why impose agronomical requirements on the breeder of forage plants? (Fr) Fourrages 16:23-33. Dec.1963. 60.8 F82
- 101036 TONCHEV, G. Possibilities of an increase of production of protein-rich forage plants. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:83-87. 1964. 20 M57  
Bulgaria.
- 101037 TOSELL, W. E. Research in forage crop quality. Ontario. Dep. Agr. Ext. Br. Rep. Annu. Conf. 1963:20-23. 7 On82
- 101038 TUCRA, I. Technical and organizational proceedings for improving the fodder basis of Dobrogea district. (Rum) Rev. de Zooteh. si Med. Vet. 13(12):11-14. Dec.1963. 49 P943
- 101039 TYUTYUNNIKOV, A. I. Basic problems in the production of forage plants. (Rus) Zemledelie 12:2-7. Dec.1963. 20 Z44
- 101040 U, S. FOREST SERV. Range allotment analysis and management planning; the story of range survey on the national forests and national grasslands and planning for management. U. S. D. A. PA-623,27 p.,map. July 1964. 1 Ag84Pro
- 101041 VASILEVA, M. Agrobiological study of some species of Vicia in the Sofia district. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Rastenievud. Izv. 18:17-40. 1963. 451 B872  
German summary.  
Includes optimal planting time study.
- 101042 VOIGTLANDER, G. The course of growth on pastures and meadows and possibilities of influencing it. (Ge) Landbforsch. Volkenrode 13(1):21-28. Ref. Sept.1963. 18 L2353  
Management.

- 101043 WEBBER, G. D. Clovers will lift soil fertility and production; the story of the Lower North. So. Austral. J. Agr. 67(11):354-360. June 1964. 23 So84  
Medics and subterranean clover varieties and culture.
- 101044 WILSON, D. B. Interactions in forage yield trials. Canad. J. Plant Sci. 44(4):344-350. July 1964. 450 C16  
Cutting and fertilizing treatments.
- 101045 ZYKOV, D. Alfalfa. (Rus) Sel'sk. Khoz. Kazakhstana 5:27-29. 1964. 20 K185  
Culture.

### Oil Crops

- 101046 CANECCHIO, V. Peanuts—cultural technique; diseases and pests. (Por) Agronomico 14(7/8): 7-8. July/Aug. 1962. 9.2 Ag894  
Mainly culture.
- 101047 CHAO, H. K. "Grain eats the field while oil enriches it." What does this expression apply to? (Ch) Nongye Jishu 8:18-19. Aug. 1963. 22.5 N929  
On the rotation of oil crops with rice.
- 101048 CULP, T. W. 1963 early harvesting tests with castorbeans. Miss. Agr. Expt. Sta. Inform. Sheet 847, 1 p. Apr. 1964. 100 M69In
- 101049 DAVIS, J. H. Forage and diversified crops. Rice J. 67(7):40-42. June 30, 1964. 59.8 R36  
Production of soybeans in rotation with rice in Louisiana.
- 101050 DOWNEY, R. K. Sunflowers in Saskatchewan. Saskatchewan. U. Farm & Home Week. Addresses & Proc. 1964:31-32, 34. 101 Sa72  
Culture.
- 101051 FRANCE, CENTRE NATIONAL D'ETUDES ET D'EXPERIMENTATION DE MACHINISME AGRICOLE. Resultats d'experimentations sur la recolte des graines de colza [Results of experiments on harvesting of rape seeds]. France. Cent. Naf. d'Etudes et d'Expt. de Mach. Agr. Etude 265, 27 p. Nov. 1963. 58.9 F842  
Chapters by C. Jouin, J. N. Mattei, J. Le Du, E. Germain, Pregermain, M. Lazaroff, H. Zeghal, and D. Alain.
- 101052 GEORGIEVA, R., DIMITROV, D., and PETROV, D. Study of the biological and economic properties of certain Bulgarian and foreign soya varieties. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Rastenievud. Izv. 17:113-132. Ref. 1963. 451 B872  
English summary.
- 101053 HARTWIG, E. E. Soybean varieties, 1963—Delta and Hill section. Miss. Agr. Expt. Sta. Inform. Sheet 837, 2 p. Feb. 1964. 100 M69In  
Includes yields.
- 101054 GROZEV, D. Study on the heterosis effect and the method for obtaining hybrid seeds in sunflower. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Rastenievud. Izv. 18:51-69. 1963. 451 B872  
English summary.
- 101055 ISAEV, A., and NIKITENKO, P. Developing production of oil crops. (Rus) Sel'sk. Khoz. Kazakhstana 5:13-15. 1964. 20 K185
- 101056 IVANOV, V. K. Planting varieties of castorbeans with noncracking beans in the southern Ukraine. (Rus) Selekt. i Semen. 3:52-54. May/June 1964. 61.9 Se5
- 101057 KARTAMYSHEV, V. G. Certification of seeds should also include the data on compliance with cultural practices advised for seed production. (Rus) Selekt. i Semen. 3:55-59. May/June 1964. 61.9 Se5  
Sunflowers.
- 101058 LINDER, H., NILSSON, I., and NOLANG, R. Aktuella forsoksresultat fran ostra Mellansverige. I. Sort- och kvavegodslingsforsok i hostoljevaxter 1953-1962 [Results of current research in Middle Sweden. I. Variety and nitrogen fertilizing trials of fall oil plants 1953-1962]. Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 16, 17 p. 1963. 11 Up62A

- 101059 LIU, C. C. Discussion of an oil plant which can be double cropped with rice. (Ch) Nongye Jishu 8:16-17, 20. Aug. 1963. 22.5 N929  
Perilla frutescens.
- 101060 LUCIANO, A., and DAVREUX, M. Rape culture in Argentina. (Sp) Inform. Argent. Grasas Aceites. Bol. 2(3):7-13. May 1964. 307.8 In3
- 101061 MCKIE, J. W. Production of soybeans. Miss. State U. Agr. Ext. P. 504, 8 p. Feb. 1964. 275.29 M68Ext
- 101062 MU, C. An introduction to two early ripening kohlrabi-like oil plants; "322" and "363." (Ch) Nongye Jishu 8:19-20. Aug. 1963. 22.5 N929
- 101063 SPENNEMANN, F. The influence of environment on variety characteristics, sunflowers as an example. (Ge) Saatgut-Wirt. 15(12):352-355. Dec. 1963. 61.8 Sa1
- 101064 TAHIR, W. M. Sesame improvement for mechanized production in the central rainlands of the Sudan. Empire J. Expt. Agr. 32(127):219-224. July 1964. 10 Em7  
Includes varieties.

### Sugar Crops

- 101065 BRITISH WEST INDIES CENTRAL SUGAR CANE BREEDING STATION, BARBADOS. Twenty-ninth annual report, 1961-1962. Barbados, 1963? 41 p. 65.9 W522
- 101066 CHOU, K. Y. A discussion of the theory and practice of perennial sugarcane. (Ch) Fu-Chien Nung Yeh Fujian Nongye 2/3:30-33. Feb. 1963. 22.5 F958
- 101067 CSAPODY, D. Achievements in the breeding of the monogerm sugar beets. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:65-68. 1964. 20 M57  
Hungary.
- 101068 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Experiments with topping and lifting sugar beets at different dates. (Da) Tidsskr. f. Planteavl 67(3):535-538. 1963. 11 T439
- 101069 DRANENKO, I. A. Breeding and culture of sorgho in steppes of Southern Ukraine. (Rus) Agrobiologiya 3:419-425. May/June 1964. 20 Ag822
- 101070 FU, H. C., SOO, T. P., and LIN, R. C. Rice varieties and the yield of spring paddy sugarcane. (Ch) Taiwan Sugar Expt. Sta. Rpt. 35: 25-32. Mar. 1964. 65.9 F76R  
English summary.
- 101071 GALLARDO, A. G. New Mex. 52-29 cane spurs wide interest. Sugar y Azucar 59(8):35, 46. Aug. 1964. 65.8 F11
- 101072 GARCIA, E. B. Sugar cane breeding in Puerto Rico. Sugar J. 27(2):41-42. July 1964. 65.8 Su391
- 101073 HERBERT, L. P. Culture of sugarcane for sugar production in Louisiana. U. S. D. A. Agr. Handb. 262, 40 p., map. Ref. June 1964. 1 Ag84Ah
- 101074 HERRON, G. M., GRIMES, D. W., and FINKNER, R. E. Effect of plant spacing and fertilizer on yield, purity, chemical constituents and evapotranspiration of sugar beets in Kansas. I-II. Amer. Soc. Sugar Beet Technol. J. 12(8):686-714. Ref. Jan. 1964. 66.9 Am35J  
I, Yield of roots, purity, percent sucrose and evapotranspiration; II, Chemical constituents.
- 101075 JENSEN, V. Production of sugar beet seed in Denmark with special regard to wintering of stocklings in the field. (Ge) Zucker 16(22): 596-600. Nov. 1, 1963. 65.8 Z82  
English summary.
- 101076 MOK, B. C., and others. New cane varieties released in Taiwan—F146, F148 and F152—. Taiwan Sugar 11(2):22-25. Apr./June 1964. 65.8 T133  
S. Lee, T. H. Hu, and N. S. Chen, joint authors.
- 101077 NEEB, O. Aspects of precision drilling of sugar beet monogerm seed in final plant spacings. (Ge) Zucker 16(22):619-627. Nov. 15, 1963. 65.8 Z82  
English summary.



- 101078 PANJE, R. R. On the importance of good seed and its supply in sugarcane culture in north India. *Indian Sugar* [Calcutta] 14(2):167-169,177. May 1964. 65.8 In26
- 101079 ROIG, F. M. An appraisal of sugarcane varieties grown in Puerto Rico, 1948-63. *Sugar J.* 27(2):78-79,85. July 1964. 65.8 Su391
- 101080 ROUSSEL, N. Results of the comparative sugar-beet variety trials carried out in Belgium from 1959 to 1963. (Fr) *Inst. Belge pour l'Amerlior. de la Betterave*. P. Tech. 31(4):147-181. 1963. 66.9 In7  
English summary.
- 101081 RUSSELL, G. E. Breeding for tolerance to beet yellows virus and beet mild yellowing virus in sugar beet. I-II. *Ann. Appl. Biol.* 53(3):363-388. Ref. June 1964. 442.8 An72  
I, Selection and breeding methods; II, The response of breeding material to infection with different virus strains.
- 101082 SCHNIERER, I. Queensland-land in the sun. (Ge) *Kosmos* 60(2):99-106, map. Feb. 1964. 474 K842  
Includes sugarcane culture.
- 101083 SHIA, F. Y., and PAO, T. P. On the yields of sugarcane interplanted with different varieties of sweet potato. (Ch) *Taiwan Sugar Expt. Sta. Rpt.* 35:55-63. Ref. Mar. 1964. 65.9 F76R  
English summary.
- 101084 SHIH, T. F. An introduction to a late ripening good sugarcane variety; India 419. (Ch) *Fu-Chien Nung Yeh Fujian Nongye* 2/3:19,25. Feb. 1963. 22.5 F958
- 101085 STENZ, S. Experiments in the growing of sugar beets (*Beta vulgaris* L. *altissima*) in Ghana. (Ge) *Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed.* 2:70-81. 1963. 26 L53  
English summary.
- 101086 TANG, C. K. A study on interplanting sweet potato with sugarcane. II. Effects on some important agronomic characteristics of different cane varieties. (Ch) *Taiwan Sugar Expt. Sta. Rpt.* 35:43-53. Ref. Mar. 1964. 65.9 F76R  
English summary.
- 101087 YEH, H. K. A discussion of several questions on raising young sugarcane. (Ch) *Fu-Chien Nung Yeh Fujian Nongye* 2/3:28-29. Feb. 1963. 22.5 F958

#### Tobacco

- 101088 BAILOV, D., PALAKARCHEVA, M., and DASKALOV, S. Studies of some hybrids between *Nicotiana tabacum* (♀) and *Nicotiana debneyi* (♂) and some amphidiploids. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Rastenievud. Izv.* 17:57-69. Ref. 1963. 451 B872  
German summary.
- 101089 CREWS, J. W., JONES, G. L., and MASON, D. D. Field plot technique studies with flue-cured tobacco. II. Experimental designs and replications. *Agron J.* 56(4):435-438. July/Aug. 1964. 4 Am34P
- 101090 ENDEMANN, W., EGERER, A., and RAMSON, A. Contributions to breeding of blue mould resistant tobacco varieties, suitable for commercial culture. I. (Ge) *Dresden. Inst. f. Tabakforsch. Ber.* 10(2):157-202. Ref. 1963. 69.9 W82  
English summary.
- 101091 FABER, H. Indian cutting tobacco. (Ge) *Dresden. Inst. f. Tabakforsch. Ber.* 10(2):264-267. 1963. 69.9 W82  
English summary.
- 101092 KANDIAH, S., and RATNASINGHAM, K. Tobacco investigations in the Gal Oya Valley. *Trop. Agr. [Peradeniya]* 118(2):55-72. Jan. 1964. 26 T751  
Culture.
- 101093 MATTERN, J. Highveld leaf texture changed by double row planting. *Rhodesian Tobacco J.* 16(6):25,27,28. June 1964. 69.8 R34

- 101094 PATEL, G. C., SINGH, M., and DAS, R. Influence of different kinds of shades and time of planting on the yield and quality of cigar wrapper varieties. *Indian Tobacco* 14(1):15-21. Jan./Mar. 1964. 69.8 In2
- 101095 RAEBER, J. G. Selection of seed-bearing rootstocks and procedures of production of commercial quantities of tobacco seed in a subtropical climate. (Fr) *Rev. Internatl. des Tabacs* 39(375/376):129,131,133. June/July 1964. 69.8 R324  
Rhodesia.
- 101096 SCOTT, W. A., and HASLAM, R. J. Culture of cigarette burley tobacco. Canada. Dept. Agr. P. 1217, 8 p., map. 1964. 7 C16Pu
- 101097 SCOTT, W. A. Harvesting and curing cigarette burley tobacco. Canada. Dept. Agr. P. 1218, 8 p., map. 1964. 7 C16Pu

#### HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

##### General

- 101098 BOULAY, H. Evolution of horticulture in the Paris region. (Fr) *Pepinieristes Hort. Maraichers* 41:1630-1633, 1635-1638, map. Nov. 1963. 80 P39
- 101099 COPENHAGEN builds an allotment garden park 7 kilometers long. (Ge) *Fachberater f. das Deut. Kleingartw.* 13(50):2-4. Dec. 1963. 80 F11  
Includes layout.
- 101100 FIERTZ, G. B. Reading other people's gardens. *Amer. Hort. Mag.* 43(3):167-169. July 1964. 80 N216
- 101101 GT. BRIT. NATIONAL AGRICULTURAL ADVISORY SERV. LUDDINGTON EXPERIMENTAL HORTICULTURE STATION. Report for 1963. Stratford-on-Avon, 1964. 181 p. 84 G796R
- 101102 GROSSMANN, N. The green in town-planning; gardens far from home. (Ge) *Fachberater f. das Deut. Kleingartw.* 13(50):1-2. Dec. 1963. 80 F11  
Abstracts of papers given at a meeting held in Berlin, May 1963 under auspices of Berlin Technische Universität and Zentralinstitut für Städtebau.  
Allotment gardens.
- 101103 LOTHIAN, T. R. N. The practical home gardener: A guide to the cultivation of plants in Australia, with special details for the drier regions. Ed. 2, rev. Melbourne, Lothian, 1963. 390 p. Ref. 90.1 L91
- 101104 MONGRUEL, J. The greater area of Paris: Horticulture in Seine-et-Marne. (Fr) *Pepinieristes Hort. Maraichers* 46:1906-1910, map. Apr. 1964. 80 P39
- 101105 RUHR-STICKSTOFF AKTIENGESellschaft, BOCHUM. Faustzahlen für den Gartenbau [Ready reckoner for horticulture], edited by B. Weiss. Hiltrup (Westf.) Landwirtschaftsverlag, 1964. 293 p. Ref. 90.02 R85
- 101106 SPROULE, R. S. Marcottage as a means of plant propagation. *Agr. Gaz. N. S. Wales* 75(4):940-942, 951. Apr. 1964. 23 N472
- 101107 WAGENINGEN, INSTITUUT VOOR TUINBOUW-TECHNIEK. Jaarverslag [Annual report], 1963. Wageningen, 1964. 88 p. 86 W123J  
Greenhouse culture and equipment.

##### Fruits-General

- 101108 ABRAMOV, N. A., and others. Intensification of fruit culture. (Rus) *Sadovodstvo* 7:2-4. July 1964. 80 Sa13  
P. F. Dubrova, I. V. Belokhonov, V. K. Zaets, P. K. Ursulenko, and S. N. Stepanov, joint authors.

- 101109 BARGIONI, G. Perfecting of fruit production for marketing improvement. (It) Verona, Italy 1(3):32-35. July 26, 1963. 287 V592 Culture, chiefly.
- 101110 BORISENKO, G., and SHUMEIKO, I. In specialized state farms of Kuban. (Rus) Sadovodstvo 5:10-11. May 1964. 80 Sa13 Fruit management.
- 101111 CONWAY, T. The home orchard in winter. New Zeal. J. Agr. 108(5):465,467,469,471-472. May 15, 1964. 23 N48J Culture and management.
- 101112 HILKENBAUMER, F. Is the use of rootstocks and double grafting of any importance today? (Ge) Erwerbsobstbau 6(1):3-7. Ref. Jan. 1964. 80 Er9
- 101113 ILEV, I., and NEDEV, N. Fruit culture in the highland of Smolyan. (Bu) Akad. Selskostopanskiye Nauk. Bulg. Inst. Ovoshtarstvo. Izv. 5:91-104. Ref. 1963. 86 G16 German summary.
- 101114 ISHKHANIDI, F. V. Early grafting is possible. (Rus) Sadovodstvo 6:18-19. June 1964. 80 Sa13 Fruit.
- 101115 JOURNEES INTERNATIONALES DES FRUITS ET DES LEGUMES, 2, MONTPELLIER, 1963. Compte rendu des conferences prononcees [Report on papers]. Montpellier, Chambre d'Agriculture de l'Herault, 1963. 84 p. Ref. 93.09 J824
- 101116 JUSCAFRESA, B. Pruning of fruits in espaliers. (Sp) Cult. Mod. 47(1):13-14. Jan. 1964. 15 C89
- 101117 KAS'YANENKO, A. I. Plodovodstvo na karlikovykh podvoyakh [Fruit culture with dwarf rootstocks]. Kiev, Gosudarstvennoe Izdatel'stvo Selskokhozyaistvennoi Literatury Ukrain'skoi SSR, 1963. 244 p. Ref. 93.5 K15
- 101118 KRUGLOVA, A. P. At the Saratovskaya Opytnaya Stantsiya. (Rus) Sadovodstvo 6:38. June 1964. 80 Sa13 Fruit experiment station.
- 101119 KUZHELEVA, E. P. Use of plastics in fruit nurseries. (Rus) Sadovodstvo 6:20-21. June 1964. 80 Sa13 In grafting operations.
- 101120 MAURER, K. J. How can the stability of the fruit tree be hastened? (Ge) Fachberater f. das Deut. Kleingartw. 13(50):31-32. Dec. 1963. 80 F11
- 101121 MAURER, K. J. Regularly higher yield per tree—a problem of pruning. (Ge) Fachberater f. das Deut. Kleingartw. 13(50):29-31. Dec. 1963. 80 F11 Fruit trees.
- 101122 MEYER, J. Breeding of fruit rootstocks by mist propagation. (Ge) Schweiz. Z. f. Obst- u. Weinbau 73(15):389-397. July 25, 1964. 80 Sch9
- 101123 NYBOM, N. The plant breeding work at Balsgard. (Sw) Jord—Groda—Djur 20:47-56. 1964. 11 J763 Fruit.
- 101124 PRIMAK, A. K. Fruit culture of Belgium. (Rus) Sadovodstvo 6:39-40. June 1964. 80 Sa13
- 101125 RAVEL D'ESCLAPON, M. G. DE. What must one think of agriculture in Corsica, and what is the place of fruit culture? (Fr) Arboricult. Fruitiere 11(120):14-18, map. (Cont.) Feb. 1964. 80 Ar13
- 101126 RENAUD, M. M. The system of pruning carried out in Algeria under sunny conditions; evidence and technique. (Fr) Pomol. Franc. (n.s.) 6(7):217-220, 223-226, 229-230. July/Aug. 1964. 80 P77 Fruit primarily.
- 101127 REZNIK, YU. V. If components are incompatible. (Rus) Sadovodstvo 6:20-21. June 1964. 80 Sa13 Fruit grafting.
- 101128 SERIDKO, A. M. Sorta plodovykh kul'tur i ikh opredelenie [Fruit varieties and their identification]. Kiev, Gosudarstvennoe Izdatel'stvo Selskokhozyaistvennoi Literatury Ukrain'skoi SSR, 1963. 368 p. 93.28 Se6
- 101129 SOUBEYRAND, G. Study on fruit culture. 2. Various types of orchards. (Fr) Arboricult. Fruitiere 11(120):25-32. Feb. 1964. 80 Ar13 Orchard management in France.
- 101130 SOUTY, M. J. The selection of fruit trees vis-a-vis virus diseases. (Fr) Pomol. Franc. (n.s.) 5(10):347-348. Nov. 1963. 80 P77
- 101131 STRITZKY, W. VON. Portugal seen as a fruit growing country one day. (Ge) Obstbauversing. des Alten Landes Mitt. 19(2):68-71, map. Feb. 1964. 85 J76 Includes varieties.
- 101132 THIVEND, M. J. Controlled multiplication of fruit trees. (Fr) Pomol. Franc. (n.s.) 5(10):351-352. Nov. 1963. 80 P77
- 101133 VIDAUD, J. Thinning of fruit trees. (Fr) Arboricult. Fruitiere 11(125/125):18-19. July/Aug. 1964. 80 Ar13
- 101134 VYAZOVIKOVA, V. Fruit culture in the North. (Rus) Sadovodstvo 7:47. July 1964. 80 Sa13 History.
- 101135 WILHELMINADORP, PROEFSTATION VOOR DE FRUITTEELT IN DE VOLLE GROND. Jaarverslag [Annual report], 1963. Kapelle-Biezelinge, 1964. 114 p. 86 W642 English summary.
- 101136 ZHAVORONKOV, P. A. Orchards of the Kustanay area. (Rus) Sadovodstvo 6:16-17. June 1964. 80 Sa13 Fruit culture.

#### Fruits—Citrus and Subtropical

- 101137 AHMAD, R. Propagation of guava by cuttage. West Pakistan J. Agr. Res. 1(3):51-60. Ref. June 1963. 22 W52
- 101138 AMADO CASTILLO, D. Vegetative propagation of mangoes and avocados. (Sp) Credito Rur. (ser. 2) 137:3-4. Nov. 1963. 284.28 C863
- 101139 BITTERS, W. P., BRUSCA, J. A., and COLE, D. A. The search for new citrus rootstocks. Calif. Citrog. 49(11):443-448. Sept. 1964. 80 C125
- 101140 BORELLO CALLIPO, F. The elimination of unproductive trees in the culture of papayas. (Sp) Agr. Trop. 20(5):273-278. May 1964. 26 Ag8
- 101141 CHANG, J. F. Black olives. (Ch) Nongye Jishu 8:29-30. Aug. 1963. 22.5 N929 Culture.
- 101142 DAVIS, T. A. The many ways of getting up a palm. Indian Farming 14(1):20-23. Apr. 1964. 22 In283 To harvest coconuts, chiefly.
- 101143 DEIDDA, P. Index of maturity of some cultivars of citrus widespread in Sardinia. (It) Studi Sassaresi. Sez. III, 10:297-301. 1962, pub. 1963. 507 Sa7Sa
- 101144 DE ORCHI, M. Citron and citron culture. (It) Agrumi 8(5):71-72. May 1964. 80 Ag8
- 101145 ELANT, H. Present development of olive culture; general aspect and particular case of Lebanon. (Fr) Econ. Rur. [Beyrouth] 29:12-18. Dec. 1963. 280.8 Ec7323
- 101146 FENWICK, D. W. The problem of rehabilitation of coconuts in Tobago. 1. The production of planting material. Agr. Soc. Trinidad & Tobago. J. 44(1):75-77, 80-85, 87, 89, 91-95. Ref. Mar. 1964. 8 T73
- 101147 GREENE, P. H., and STRAUSS, G. R. Successful summer grapefruit trial at Hardison Ranch Company. Calif. Citrog. 49(10):370. Aug. 1964. 80 C125
- 101148 HAMILTON, R. A., and YEE, W. Momi K mango. Hawaii. U. Agr. Ext. C. 405.4 p. Apr. 1964. 275.29 H312Ac
- 101149 HARTMANN, H. T. Olive cultural research. Calif. Olive Indus. News 18(3):1-2, 4. Aug. 1964. 80 OL43
- 101150 HARTMANN, H. T. Pruning olive trees. Calif. Olive Indus. News 18(2):1, 3-4. May 1964. 80 OL143
- 101151 HARTMANN, H. T. Spray thinning—1964. Calif. Olive Indus. News 18(2):2. May 1964. 80 OL143



- 101152 JAMAICA. BANANA BOARD RESEARCH DEPT. Annual report, 1963. Kingston, 1964. 28 p. 93.42 J22A  
Field experimentation.
- 101153 KISHIMOTO, O. Studies on the standard of fruit thinning in Japanese persimmon, *Diospyros kaki* Linn. f. (Ja) Jap. Soc. Hort. Sci. J. 32(3):20-26. Ref. Sept.1963. 87 H78  
English summary.
- 101154 LO GIUDICE, V. Pruning on old citrus plants. (Sp) Cult. Mod. 47(3):99. Mar.1964. 15 C89
- 101155 MARLOTH, R. H., BASSON, W. J., and BREDELL, G. S. Striking variation in Valencia and other late maturing sweet orange varieties. So. African Citrus J. 36:9,12-13. May 1964. 80 C495  
In South Africa.
- 101156 MATHEW, I. P., and SHANKER, G. Pomological description of important guava varieties of Uttar Pradesh. Allahabad Farmer 37(6):27-32. Nov.1963. 22 AL5
- 101157 MILELLA, A. The action of some substances in therapy of pruning injuries of citrus. (It) Studi Sassaesi. Sez. III, 10:105-114. Ref. 1962, pub.1963. 507 Sa7Sa  
English summary.
- 101158 MILELLA, A. Investigation in the affinity for grafting between *Phyllirea angustifolia* L. and *Olea europaea* L. var. *sativa*. (It) Studi Sassaesi. Sez. III, 10:171-174. 1962, pub.1963. 507 Sa7Sa
- 101159 MOSASHVILI, V. A. "Anaseulsky-1"—a new lemon breeding variety. (Rus) Makharadze. Vses. Nauch.-Issled. Inst. Chaya Subtrop. Kul't. Subtrop. Kul't. 1:45-48. 1963. 68.19 M28  
English summary.
- 101160 NAIR, R. G. To keep coconut production at optimum level old palms must yield place to new. Coconut B. 18(2):41-43. May 1964. 77.9 In292
- 101161 NIETO, M. O. Studies and experiments in pruning olive trees. (Fr) Inform. Oleicoles Internatl. (n.s.), 23:13-32. July/Sept.1963. 80 In3
- 101162 OLSON, E. O., and MAXWELL, N. Tangerine and tangerine-hybrid varieties for Texas. Rio Grande Val. Hort. Soc. J. 18:44-50. 1964. 81 L95
- 101163 P'ENG, C., HSUEH, J. H., and TS'AI, Y. F. Lychee. (Ch) Nongye Jishu 6:19. June 1963. 22.5 N929
- 101164 RODRIGUEZ CIFUENTES, E. The olive. (Sp) Soc. Geog. de Colombia. B. 21(79/80):99-111. Second Semes.1963. 475 So13  
Especially in Colombia.
- 101165 RODRIGUEZ, O. Planning of the citrus orchard. (Por) Agronomico 14(7/8):9-14. July/Aug.1962. 9.2 Ag894  
Planting.
- 101166 WALLIHAN, E. F. Citrus in the Philippines. Calif. Citrog. 49(11):438-442. Sept.1964. 80 C125
- 101167 WANG, T. Kumquats. (Ch) Nongye Jishu 5:18. May 1963. 22.5 N929
- Fruits—Deciduous**
- 101168 ABDURAKHMANOV, S. G., and LEPSHINA, YU. N. Plums in the Central Tien Shan. (Rus) Sadovodstvo 7:32-33. July 1964. 80 Sa13  
Culture and varieties.
- 101169 ASHWORTH, F. L. Some new hardy seedling apples. Fruit Varieties & Hort. Digest 18(3):53-55. July 1964. 80 F9464
- 101170 BASARGIN, N. E. The period has been extended for 20 days. (Rus) Sadovodstvo 6:19. June 1964. 80 Sa13  
Apple grafting.
- 101171 BORDEIANU, T., ed. Pomologia Republicii Populare Romine. II. Marul [Fruit culture of People's Republic of Rumania. II. Apples]. Bucuresti, Editura Academiei Republicii Populare Romine, 1964. 1007 p. Ref. 86 B852
- 101172 DAHNE, D. Sweet cherries in low tree forms. (Ge) Erwerbsobstbau 6(1):16-18. Jan.1964. 80 Er9  
Breeding.
- 101173 DAHNE, M. The solutions developed in Germany to the problem of culture of the cherry tree in small forms. (Fr) Pepinieristes Hort. Maraichers 42:1687-1690. Dec.1963. 80 P39
- 101174 DECOURTYE, L., ANQUEZ, P., and PLAS-SART, G. Thinning apple trees. (Fr) Pomol. Franc. (n.s.) 6(3):65-66, 69-77. Ref. Mar.1964. 80 P77  
Includes use of chemicals.
- 101175 EN'KOVA, A. P. Cold resistance of seedlings of Michurinian varieties of apples. (Rus) Sadovodstvo 6:29-30. June 1964. 80 Sa13
- 101176 FRENCH, A. P. The True-to-Name Nursery Stock Program—1921 to 1963. Fruit Varieties & Hort. Digest 18(3):48-52. July 1964. 80 F9464  
Apples.
- 101177 GAGNARD, J. Cultural equilibrium and intensive fruit production. (Fr) Pomol. Franc. (n.s.) 6(3):83-86, 89-93. Mar.1964. 80 P77  
Apple trees.
- 101178 GLORU, P. LE. The solutions developed in France to the problem of culture of the cherry tree in small forms. (Fr) Pepinieristes Hort. Maraichers 42:1681-1686. Dec.1963. 80 P39
- 101179 HUSABO, P. Nyare kroneformer i fruktdyrkinga [Recent crown shapes in fruit culture]. Norway. Landbrdept. Opplysningsstjenesten. Smaskr. 9, 11 p. 1964. 464.4 N83  
Apples, pears and plums.
- 101180 IPAT'EV, A. N. We need cold resistant, annually fruit-bearing fruit. (Rus) Sadovodstvo 5:17. May 1964. 80 Sa13  
Chiefly apples.
- 101181 KHLOPOV, V. M. Natural creeping apples. (Rus) Sadovodstvo 6:14-15. June 1964. 80 Sa13  
Includes hardiness.
- 101182 KORNEEV, R. V., BOGDANOV, S. M., and KIRICHENKO, F. P. Pollinator of plum varieties in Volgograd area, in Orenburg area and on Don River. (Rus) Sadovodstvo 5:34-35. May 1964. 80 Sa13  
Intravarietal pollination.
- 101183 KULL, B. Prune hard and pick easy; a new rule in cherries. West. Fruit Grower 18(7):8-9. July 1964. 95.8 G762
- 101184 LAMB, R. C., and WATSON, J. P. Peach variety blossom bud hardiness. Fruit Varieties & Hort. Digest 18(3):45-47. July 1964. 80 F9464
- 101185 LUCKWILL, L. C., ed. and POLLARD, A. Perry pears. Bristol, U. Bristol, 1963. 203 p. Ref. 93.36 L96
- 101186 MASLOV, S. P. Local varieties of plums in Kaluga Province. (Rus) Sadovodstvo 5:33. May 1964. 80 Sa13
- 101187 MELVILLE, F. Apple and pear growing in Western Australia; a survey of trends in planting. West. Austral. Dept. Agr. J. (ser.4) 5(3):153-155, 157-158, 161-163, 166-167. Mar.1964. 23 W52J  
Culture and varieties.
- 101188 MONIN, A. Culture of the dwarf cherry tree; methods followed in research on dwarfing cherry trees. (Fr) Pepinieristes Hort. Maraichers 42:1677-1680. Dec.1963. 80 P39
- 101189 PANG, P. C. A discussion of the cross-shape of apples. (Ch) Yuan Hsueh Pao 2(1):23-28. Feb.1963. 80 Y9  
Pruning.
- 101190 PERADZE, G. N. Michurinian varieties of apples in mountains of the Southern Osetia. (Rus) Sadovodstvo 6:28-29. June 1964. 80 Sa13
- 101191 PLOCK, H. Root stock experiments in apricot growing. II. (Ge) Klosterneuberg. Hohere Bundeslehr- u. Versant. f. Wein- u. Obstbau. Mitt. Ser. B, Obst u. Gart. 13(3):127-133. June 1963. 105.9 K696  
English summary.

- 101192 POWELL, H. R. The pruning of fruit trees; deciduous fruit trees (apricots). West. Austral. Dept. Agr. J. (ser.4)5(4):249-250,253-254,257-259. Apr.1964. 23 W52J
- 101193 SHIDENKO, I. KH. Breeding of pears in Ukraine. (Rus) Agrobiologiya 3:437-442. May/June 1964. 20 Ag822
- 101194 SIDZEL'NIK, V. I., and ZAKHVATOV, E. V. Stone fruit culture. (Rus) Sadovodstvo 7:21. July 1964. 80 Sa13  
Chiefly plums and cherries.
- 101195 SOUBEYRAND, G. Study on the culture of fruit. 6. The choice of fruit varieties. (Fr) Arboricult. Fruitiere 11(125/126):25-36. July/Aug. 1964. 80 Ar13  
Deciduous fruit in France.
- 101196 THORNLEY, M., and LOMBARD, P. B. What you should know about pears on quince. West. Fruit Grower 18(8):8. Aug.1964. 95.8 G762
- 101197 U. S. PATENT OFF. Plant patents. 6 Nos. 1964. 156.65 P69  
Contents: 2,418. Anderson, F. W. Peach tree. 2 p., 1 col.pl. July 7; 2,419. Garabedian, J. M. Nectarine tree. 2 p., 1 col.pl. July 7; 2,420. Garabedian, J. M. Plum tree. 2 p., 1 col.pl. July 7; 2,425. Merrill, G. Peach tree. 2 p., 1 col.pl. July 14; 2,439. Duke, J. F., Duke, J. F. Jr., and Duke, L. P. Peach tree. 1 p., 1 col.pl. Aug.25; 2,440. Rypczynski, F. L. Apple tree. 2 p., 1 col.pl. Aug.25.
- 101198 VLASYUK, S. G. High yields of plums. (Rus) Sadovodstvo 5:35. May 1964. 80 Sa13
- 101199 ZELEPUKIN, A. S. Propagation of apples by vegetative ways. (Rus) Sadovodstvo 7:44-45. July 1964. 80 Sa13
- 101200 ZUBAREV, F. P. Yabloni severnoi Kirgizii i ikh opredelenie; Issyk-Kul'skaya kotlovina [Apples of the Northern Kirgizia and their classification; Issyk Kul Valley]. Frunze, Izdatel'stvo Akademii Nauk Kirgizskoi SSSR, 1963. 315 p. 93.31 Z8
- Fruits—Small**
- 101201 ALEKSANDROVA, G. D. Thick planting of raspberries. (Rus) Sadovodstvo 5:25-26. May 1964. 80 Sa13  
Includes yields.
- 101202 BORBAS, L. Rootstock forms of grapes for large-scale cultivation. (Hu) Budapest. Szolesz. Kutato Intezet. Kutatasi Eredmenyei 2:5-14. Ref. 1963. 95.9 B85S
- 101203 BRADLEY, G. A., and SMITTLE, D. Cultural research on blueberries. Ark. Farm Res. 13 (4):5. July/Aug.1964. 100 Ar42F
- 101204 BRETAUDEAU, J. Atlas d'arboriculture fruitiere [Handbook of fruit culture], vol. IV. Paris, Bailliere, 1964. 255 p. 93.25 B75  
Chiefly grapes, berries and nuts.
- 101205 CASTRO E., R., and MERCADO G., A. Pruning of the Rosa del Peru grape in the Comarca Lagunera. (Sp) Tierra [Mexico] 19(6):455,513-515. June 1964. 8 T445
- 101206 CSIZMAZIA, J. New agrotechnical method in grape breeding. (Hu) Budapest. Szolesz. Kutato Intezet. Kutatasi Eredmenyei 2:36-39. 1963. 95.9 B85S  
Greenhouse culture of seedling in bottomless pots.
- 101207 DALMASSO, G. Should we change our systems of grapevine training? III. (It) Colt. e Gior. Vinic. Ital. 110(5):158-166. May 1964. 16 C72
- 101208 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Raspberry variety trials. (Da) Tidsskr. f. Planteavl 68(1):163-166. 1964. 11 T439
- 101209 DEVELOPMENT of exchange of information and material for varietal improvement. (Fr) Off. Internatl. de la Vigne et du Vin. B. 37(399):476-483. May 1964. 390.8 B87  
German report by B. Husfeld and unsigned Austrian report at the 5th reunion of Commission I of the Office International de la Vigne et du Vin, Israel, July 15-17, 1963.
- 101210 FAIVRE, M. The strawberry in the Rhone-Alpes region. (Fr) Pomol. Franc. (n.s.)6(1):13-18. (Cont.) Jan.1964. 80 P77
- 101211 FAIVRE, M. The strawberry in the Rhone-Alpes region. (Fr) Pomol. Franc. (n.s.)6(2):43-50. (Concl) Feb.1964. 80 P77
- 101212 FOCKEN, A. F. Approved strawberry plant production. Tasmanian J. Agr. 35(2):78-81. May 1964. 23 T182T  
Virus free plants.
- 101213 GOLOSKOKOV, V. P. Wild grape [Vitis vinifera] in the Zaili section of Ala Tau. (Rus) Bot. Zhur. [Moscow] 49(5):742-743. May 1964. 451 R923  
Cold resistant rootstocks.
- 101214 GRAMOLIN, V. K. Planting berries in furrows. (Rus) Sadovodstvo 5:26. May 1964. 80 Sa13
- 101215 JUSCAFRESA, B. Grape grafting. (Sp) Cult. Mod. 47(3):93-94. Mar.1964. 15 C89
- 101216 KARNATZ, H. Growing cultured blueberries in the Lower Elbe area. (Ge) Obstbauversring. des Alten Landes. Mitt. 19(2):59-62. Feb.1964. 85 J76  
Includes varieties.
- 101217 KIRPICHNIKOV, B. A. Testing new varieties of strawberries. (Rus) Sadovodstvo 7:42. July 1964. 80 Sa13  
Yields.
- 101218 LOEWEL, E. L., and LABUS, S. Results of cultural experiments with red and black currants at the Ottensen farm in 1963. (Ge) Obstbauversring. des Alten Landes. Mitt. 19(2):50-58. Feb.1964. 85 J76  
Varieties.
- 101219 LUTKOVA, I. N., OLESHKO, P. M., and BYSENKO, D. M. Effect of high-voltage on rooting of grape cuttings. 2 p. Transl. 14024  
Translation from Vinodelie i Vinogradarstvo SSSR 3:52. 1962.
- 101220 MALIKOV, V. M. In the valley of the river Kacha. (Rus) Sadovodstvo 6:46. June 1964. 80 Sa13  
History of grape culture.
- 101221 MATA BILBAO, A., and MARTINEZ CONDE, E. Study of different varieties of Spanish strawberries. (Sp) An. de Bromatologia 16(2):229-234. Ref. 1964. 389.8 An1  
English summary.
- 101222 MATIASHVILI, A. D. One of many methods to increase grape yields. (Rus) Sadovodstvo 7:30. July 1964. 80 Sa13  
Potted layer.
- 101223 MAURER, K. J. Determination of productivity of black currants. (Ge) Klosterneuburg, Hochschule Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. Ser. B, Obst u. Gart. 13(3):125-126. June 1963. 105.9 K696  
English summary.  
Varietal tests in Austria.
- 101224 MOSS, D. E. Improve Grenache crops. So. Austral. J. Agr. 67(11):372-377. June 1964. 23 So84  
Grapes.
- 101225 NAUMOVA, G. A. Strip planting. (Rus) Sadovodstvo 7:26. July 1964. 80 Sa13  
Strawberries.
- 101226 NIELSEN, H. Pruning of berry bushes. (Da) Landbonyt 18(2):35-38. Feb.1964. 11 L2322
- 101227 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. The cultivation of gooseberries. North. Ireland. Min. Agr. L. 49,11 p. Apr. 1964. 10 N81
- 101228 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. The cultivation of strawberries. North. Ireland. Min. Agr. L. 68,20 p. Apr. 1964. 10 N81
- 101229 OLIVIER, J. M. Best time for pruning table grapes at Vaalharts. Farming So. Africa 40(3):5-6. June 1964. 24 So842
- 101230 PASTENA, B. Influence of planting distance of cuttings of grafted grapes on their taking in irrigated nurseries. (It) Colt. e Gior. Vinic. Ital. 110(5):174-178. Ref. May 1964. 16 C72



- 101231 POGOSYAN, S. A. Heterosis and its utilization in grape breeding. 10 p. Transl. 14021  
Translation from Vinodelie i Vinogradarstvo SSSR 23(2):20-27. 1963.
- 101232 RISSER, G. Comparative trial of six varieties of strawberries in culture under cover. (Fr) Rev. Hort. 135(2256):572-573. Nov./Dec.1963. 80 R32  
In France.
- 101233 RUBTSOVA, V. V. Use of pilot plant in grape culture. (Rus) Agrobiologiya 2:305-307. Mar./Apr.1964. 20 Ag822  
Grafting.
- 101234 SCHUPPE, E. SEITZER, J., and METZNER, R. Empfehlenswerte Strauchbeerenobstsorten; Beschreibung und Beurteilung der Sorten der Bundessortenliste für Strauchbeerenobst [Recommended cane berry varieties; description and valuation of cane berry varieties from the Federal variety list]. Ed. 2. Stuttgart, Ulmer, 1964. 48 p. 94 Sch82  
Arbeitsgemeinschaft zur Qualitätsforderung bei Obstgehölzen, cooperating.
- 101235 SHITAKOV, I. I. On the selection of place for planting currants in Western Siberia. (Rus) Sadovodstvo 5:24-25. May 1964. 80 Sa13
- 101236 SMIRNOV, A. G. Good varieties. (Rus) Sadovodstvo 6:27. June 1964. 80 Sa13  
Currants.
- 101237 SZEGEDI, S. Deep planting of grapes in sandy soils. (Hu) Budapest. Szolesz. Kutato Intezet. Kutatasi Eredmenyei 2:21-22. 1963. 95.9 B85S
- 101238 TRUEL, P. Table grape varieties. (Fr) Journees Internatl. des Fruits et Legumes. Compt. Rend. des Conf. Prononcees 2:67-71. Apr.20/23,1963. 93.09 J824
- 101239 VITAGLIANO, M. The Nuragus. (It) Studi Sassaesi. Sez. III, 10:302-328. Ref. 1962, pub.1963. 507 Sa7Sa  
Grape variety.
- 101240 VOLKOVA, Z. A. Festival'naya variety of strawberries. (Rus) Sadovodstvo 7:31. July 1964. 80 Sa13
- Nuts
- 101241 BERHOW, S. Our black walnut varieties that bear single lobe nuts. North. Nut Growers Assoc. Annu. Rpt. 54:79-82. 1963. 94.69 N81
- 101242 BRINK, V. Success with filberts. Org. Gard. & Farming 11(9):28-31. Sept.1964. 57.8 Or32
- 101243 BRISON, F. R. Pecans [Carya illinoensis] in the Lower Rio Grande Valley. Rio Grande Val. Hart. Soc. J. 18:64-65. 1964. 81 L95
- 101244 BRYNER, W. Walnut grafting. (Ge) Schweiz. Z. f. Obst- u. Weinbau 73(15):383-389. July 25, 1964. 80 Sch9
- 101245 DAVIS, B. The modified patch bud. North. Nut Growers Assoc. Annu. Rpt. 54:16-20. 1963. 94.69 N81  
Pecans.
- 101246 DUNSTAN, R. T. A comprehensive nut-tree program, a need of the Southeast. North. Nut Growers Assoc. Annu. Rpt. 54:43-44. 1963. 94.69 N81  
Chiefly varieties.
- 101247 EVREINOFF, V. A. Notes on the pistachio tree. (Fr) Pomol. Franc. (n.s.)6(4):115-116, 119-123. Apr.1964. 80 P77
- 101248 GERARDI, L. Nut variety improvement in the space age. North. Nut Growers Assoc. Annu. Rpt. 54:14-15. 1963. 94.69 N81
- 101249 GOLDMAN, M. C. You can start nut trees from seed. Org. Gard. & Farming 11(9):32-34. Sept.1964. 57.8 Or32
- 101250 GORDINIER, E. J. Nut culture for wildlife in southern Michigan State game areas. North. Nut Growers Assoc. Annu. Rpt. 54:86-87. 1963. 94.69 N81
- 101251 HARMON, S. Pecan variety development. North. Nut Growers Assoc. Annu. Rpt. 54:24-29. 1963. 94.69 N81  
Georgia.
- 101252 HIBBARD, A. D. Three early maturing pecans from Missouri. North. Nut Growers Assoc. Annu. Rpt. 54:75-78. 1963. 94.69 N81
- 101253 JAYNES, R. A. Chestnut trees, where? everywhere! North. Nut Growers Assoc. Annu. Rpt. 54:44-46, map. 1963. 94.69 N81
- 101254 MCKAY, J. W. Comparative evaluation of Crane and Nanking Chinese chestnuts. North. Nut Growers Assoc. Annu. Rpt. 54:46-49. 1963. 94.69 N81
- 101255 MCKAY, J. W. Location of F<sub>1</sub> Chinese-American chestnut hybrids produced by U.S. Department of Agriculture. North. Nut Growers Assoc. Annu. Rpt. 54:50-51. 1963. 94.69 N81
- 101256 MOORE, J. C. Propagation of chestnuts and Camellia by nurse seed grafts. North. Nut Growers Assoc. Annu. Rpt. 54:88-89. 1963. 94.69 N81
- 101257 NORTHERN NUT GROWERS ASSOCIATION. 54th annual report. Fort Valley, Ga., 1963. 112 p. 94.69 N81  
Proceedings of annual meeting.
- 101258 PADALKO, V. V. Persian walnut in the Amankutan Basin. (Rus) Lesn. Khoz. 1:48. Jan. 1964. 99.8 L5622  
Culture.
- 101259 POPENOE, J. Tropical nuts in South Florida. North. Nut Growers Assoc. Annu. Rpt. 54:60-63. 1963. 94.69 N81
- 101260 SALA, R. Planting of almond trees. (Sp) Cult. Mod. 47(2):49-50. Feb.1964. 15 C89  
Spain.
- 101261 SALA, R. Transplanting and grafting of almonds. (Sp) Cult. Mod. 47(3):86-87. Mar. 1964. 15 C89
- 101262 STOKES, H. F. Training nut trees. North. Nut Growers Assoc. Annu. Rpt. 54:58-60. 1963. 94.69 N81
- 101263 TALBOTT, J. E. Some improved varieties of the American persimmon [Diospyros virginiana]. North. Nut Growers Assoc. Annu. Rpt. 54:70-74. 1963. 94.69 N81
- 101264 U. S. PATENT OFF. Plant patent 2426. Anderson, F. W. Almond tree. 1 p., 1 col. pl. July 14, 1964. 156.65 P69
- 101265 WARE, L. M. Successful pecan production has many angles. North. Nut Growers Assoc. Annu. Rpt. 54:34-38. 1963. 94.69 N81
- 101266 WEBER, G. G. The Eastern black walnut. North. Nut Growers Assoc. Annu. Rpt. 54:67-70. 1963. 94.69 N81
- Shade Trees and Ornamental Plants
- 101267 AANONSEN, A. Culture of baby Azalea. (No) Gartneryrket 54(27):804-805. July 3, 1964. 80 G1938
- 101268 ALEXANDER, A. M. Plan and plant for beauty. Mo. Agr. Col. Ext. 4-H C. 196, 12 p. Sept.1963. 275.29 M69B
- 101269 ALEXANDER, A. M. Your home—make it beautiful. Mo. Agr. Col. Ext. 4-H C. 199, 11 p. Feb.1964. 275.29 M69B  
Landscape gardening.
- 101270 AMOS, J., and SAY, J. S. Patios in the flower garden. New Zeal. J. Agr. 109(1):75, 77, 79. July 15, 1964. 23 N48J
- 101271 ARIZONA, UNIVERSITY, AGRICULTURAL EXTENSION SERV. Arizona's common Bermuda for turfgrass. Ariz. U. Agr. Ext. Folder 102, 8 p.-folder. Mar.1964. 275.29 Ar42Ext  
Published jointly with Arizona Agricultural Experiment Station.
- 101272 ATKINSON, R. E. How to grow Dichondra. Lasca Leaves 14(3):65-66. July 1964. 450 L33
- 101273 AZALEAS and Camellias 1(1), 63 p., map. Summer 1963. 80 N76
- 101274 BALL, J. K. Lawns and their care. Ark. U. Agr. Ext. L. 309, rev., 12 p.-folder. May 1964. 275.29 Ar4Le
- 101275 BARKER, P. A. Tree selection and use. Amer. Hort. Mag. 43(3):151-157. July 1964. 80 N216  
Shade and ornamental trees.

- 101276 BIL'DA, A. Z. Propagation of dogwood by cuttings. (Rus) Sadovodstvo 6:31. June 1964. 80 Sa13  
Cornus mas.
- 101277 BOMMELJE, C. Growing succulents from seed. 4. (Du) Succulenta 43(3):44-45. Mar. 1964. 450 Su12
- 101278 BROWN, B. Tuberous Begonias from the hybridizer's viewpoint. Amer. Hort. Mag. 43(3):131-140. July 1964. 80 N216
- 101279 BROWN, W. A. A fifteen-year potting medium—hapu. Amer. Orchid Soc. B. 33(9):784. Sept. 1964. 80 Am329
- 101280 BURKE, A. W. Light transmission of some plastic films and fiberglass panels. Amer. Orchid Soc. B. 33(8):639-643. Aug. 1964. 80 Am329  
Especially for orchid culture.
- 101281 CAMPION, R. A. Uses of concrete and cement products in flower garden. New Zeal. J. Agr. 108(5):493,495-497,499,501,503. May 15, 1964. 23 N48J
- 101282 CHASSERAUD, J. Planted space and public hygiene. (Fr) Rev. Hort. 135(2256):574-581. Nov./Dec. 1963. 80 R32  
Landscape gardening in France.
- 101283 CLENET, G. Floral novelties, 1964. (Fr) Pepinieristes Hort. Maraichers 44:1793-1795. Feb. 1964. 80 P39  
Ornamentals.
- 101284 COLLINS, W. H. New trees available in the trade. Amer. Nurseryman 120(3):9-10, 31-36, 38. Aug. 1, 1964. 80 Am371  
Shade trees and ornamentals.
- 101285 COSTIGAN, M. Brighten up winter with indoor flowering bulbs. Org. Gard. & Farming 11(9):46-48. Sept. 1964. 57.8 Or32
- 101286 CRANE, H. H. Gardening on clay. London, Collingridge 1963. 120 p. 56.7 C85  
Chiefly culture of ornamentals and fruit.
- 101287 CUMMING, R. W. The Chrysanthemum book. Princeton, Van Nostrand, 1964. 301 p. 96.519 C912
- 101288 DALPETHADO, M. E. Vanda tessellata. Amer. Orchid Soc. B. 33(8):647-648. Aug. 1964. 80 Am329
- 101289 DANIEL, R. The culture of water lilies for cut flowers. (Fr) Pepinieristes Hort. Maraichers 48:2155,2158. June/July 1964. 80 P39  
In Australia.
- 101290 DARNELL, A. W. Unfamiliar flowers for your garden. London, Collingridge, 1963. 160 p. 96 D25
- 101291 DEBUISSON, J. The Cyclamen; history and evolution of its culture. (Fr) Pepinieristes Hort. Maraichers 41:1613,1615-1616. Nov. 1963. 80 P39
- 101292 DEWERTH, A. F. The response of garden roses to a planned planting and maintenance program. Tex. Agr. Expt. Sta. B. 1008, 8 p. 1962. 100 T31S  
Culture.
- 101293 EVERETT, P. C. The culture of manzanitas [Arctostaphylos] at Rancho Santa Ana Botanic Garden, Claremont, California. Calif. Hort. Soc. J. 25(2):37-52. Apr. 1964. 81 C1293
- 101294 FORT, R. Tulips in Brittany; they are as precocious as they are in Italy. (Fr) Pepinieristes Hort. Maraichers 48:2151-2154. June/July 1964. 80 P39
- 101295 FREEMAN, O. L. Remarks at dedication of new Laboratory-Administration Building, National Arboretum, Washington, D. C., April 27, 1964. Washington, U. S. D. A., Off. Sec., 1964. 2 p. A31.3 F87  
Ornamental plant research.
- 101296 GAUER, C. E. So you want to patent a plant? Florists' Rev. 135(3485):22,63. Sept. 10, 1964. 80 W41  
Primarily ornamentals.
- 101297 GENTRY, H. S. Maguey del cumbre. Amer. Hort. Mag. 43(3):158-160, map. July 1964. 80 N216  
Agave mirabilis.
- 101298 GIUGLARIS, A. Danish floriculture asserts its industrial techniques. (Fr) Pepinieristes Hort. Maraichers 42:1667-1669. Dec. 1963. 80 P39
- 101299 GOMEZ RUPPEL, C. Amaryllis—some suggestions for its culture. (Sp) Soc. Argentina de Hort. B. 22(135):16-18. Jan./Mar. 1964. 83 Sol
- 101300 GONZALEZ LANUZA, E. Trees of Buenos Aires: Eucalyptus. (Sp) Soc. Rur. Argentina. An. 98(6):20-23. June 1964. 9 Sol
- 101301 GREEN, T. Orchids in use. Amer. Orchid Soc. B. 33(9):736-744. Sept. 1964. 80 Am329
- 101302 HAPPICH, W. F. Relax with lilies. Catalyst 49(6):159-160, 162. June 1964. 381 C28  
Culture.
- 101303 HARRIS, T. Y. Australian plants in cultivation. Austral. Nat. Hist. 14(10):314-318. June 15, 1964. 475 Au7  
Ornamentals.
- 101304 HEMSTREET, C. L., and DORMAN, F. Reviving old putting greens. Calif. Turfgrass Cult. 14(3):20-23. July 1964. 60.18 So8
- 101305 HENRARD, G. Genetics of the Cyclamen and use of a tuber characteristic for selection. (Fr) Pepinieristes Hort. Maraichers 41:1623-1625. Nov. 1963. 80 P39
- 101306 HETHERINGTON, E. E. Quality and vigor in orchids. Orchid Digest 28(7):311-313. July/Aug. 1964. 80 Or172  
Cymbidium breeding.
- 101307 HODGSON, A. D. The maintenance of fine lawns. Roy. Hort. Soc. J. 89(8):332-338. Aug. 1964. 84 L84J  
Great Britain.
- 101308 JOHNS, L. Indoor plants. London, 1964. 128 p. (Collins Nutshell Books) 96.06 J63
- 101309 JOHNSTON, V., and CARRIERE, W. An easy guide to artificial light-gardening for pleasure and profit. New York, Hearthsides Press, 1964. 192 p. 90.13 J64  
Chiefly house plants.
- 101310 JONES, E. Flower arranging in the classroom. Home Econ. & Dom. Subj. Rev. 10(7):12-14. July 1964. 321.8 H759
- 101311 JORDAN, M. B. Orchid growing as therapy in rehabilitation. Amer. Orchid Soc. B. 33(9):753-754. Sept. 1964. 80 Am329
- 101312 KARPEL', B. A. Transplanting of big trees with the frozen soil lump around the roots in Yakutia. (Rus) Lesn. Khoz. 2:55-56. Feb. 1964. 99.8 L5622  
Ornamental.
- 101313 KAWAMOTO, T., and KURIHARA, J. Y. Bonsai-saiki; the art of Japanese miniature trees, gardens, and landscapes. Tokyo, Nippon Saiki Co., 1963. 362 p. 96.06 K17
- 101314 KIRCH, W. Cattleya Rembrandt "Tenney." Amer. Orchid Soc. B. 33(9):749-752. Sept. 1964. 80 Am329
- 101315 KLABER, D. Gentians for your garden. New York, Barrows, 1964. 141 p. 97.14 K66
- 101316 KNIGHT, G. W. Secrets of green thumb gardening. New York, Frederick Fell, 1964. 170 p. 90.1 K74  
Landscape gardening.
- 101317 KUNKEL, M. P. Multiply your favorite evergreens. Org. Gard. & Farming 11(9):44-45. Sept. 1964. 57.8 Or32  
Propagation by cuttings.
- 101318 LAURIE, A. Floricultural education. Florists' Rev. 134(3483):78-79. Aug. 27, 1964. 80 W41
- 101319 LECLERE, M. Our Primula malacoides. I-II (Fr) Rev. Hort. 135(2256):570-571; 136(2257):603-605. Nov./Dec. 1963. 80 R32  
I, Introduction and first selection; II, Selection and research.
- 101320 LENSSELINK, P. Culture of Hoodia. (Du) Succulenta 43(3):41-42. Mar. 1964. 450 Su12
- 101321 LEWIS, C. E. Using plant forms in the landscape. Amer. Nurseryman 120(6):10-11, 44, 46, 48. Sept. 15, 1964. 80 Am371
- 101322 LOOFT, J. T. Cyclamen breeding and culture. (Ge) Saatgut-Wirt. 15(12):350-352. Dec. 1963. 61.8 Sa1



- 101323 LUKINA, L. K. Ornamental shrubs in nurseries. (Rus) Lesn. Khoz. 11:64-65. Nov. 1963. 99.8 L5622 Culture.
- 101324 MCGUIRE, D. K. Old garden prints: a neglected art form. Landscape Architect. 54(4): 284-289. July 1964. 80 L23
- 101325 MARSTON, M. E. Propagation of holly (*Ilex aquifolium*) by stem cuttings. Roy. Hort. Soc. J. 89(8):343-344. Aug. 1964. 84 L84J
- 101326 MARZELL, H. Odd common names for house plants. (Ge) Kosmos 59(12):\*448,\*450. Dec. 1963. 474 K842
- 101327 MENNINGER, E. D. Miniature-flowered *Cymbidium* species and hybrids. Orchid Digest 28 (7):301-310. July/Aug. 1964. 80 Or172
- 101328 MOIR, W. W. G. *Oncidium* breeding. Amer. Orchid Soc. B. 33(8):649-655. Aug. 1964. 80 Am329
- 101329 MORGAN, W. C. Summer aeration helps turf growth. Calif. Turfgrass Cult. 8(2):23-24. Apr./June 1964. 60.18 So8
- 101330 NEWTON, N. T. 100 years of landscape architecture; centennial of the profession. Landscape Architect. 54(4):260-265. July 1964. 80 L23
- 101331 NEW YORK TIMES. The New York Times book of trees and shrubs, edited by T. L. Faust. New York, Knopf, 1964. 118 p. Ref. 97.31 N48
- 101332 ORSINI, R. The culture of the American carnation in the Alpes-Maritimes region. (Fr) Rev. Hort. 135(2256):560-569; 136(2257):597-602. Nov./Dec. 1963-Jan./Feb. 1964. 80 R32
- 101333 OS, H. VAN. Production of virus-free carnations by means of meristem culture. Tijdschr. over Plantenziekten 70(1):18-26. 1964. 464.8 T44
- 101334 PIM, J. The desert landscape at Mauritfontein. Landscape Architect. 54(4):278-283. July 1964. 80 L23
- 101335 POST, R. E. Growing *Cattleyas* and allied genera in the Gulf Coast Region. Amer. Orchid Soc. B. 33(8):665-667. Aug. 1964. 80 Am329
- 101336 POTTER, C. H. Annuals for cut flowers. 1. Florists' Rev. 134(3481):13,54-55. Aug. 13, 1964. 80 W41
- 101337 POTTER, C. H. Annuals for cut flowers. 2. Handling seedlings for seed flat to transplant bed. Florists' Rev. 134(3482):25,77-78. Aug. 20, 1964. 80 W41
- 101338 POTTER, C. H. Annuals for cut flowers. 5. Careful culture enhances quality of outside flowers. Florists' Rev. 135(3485):23,63-64. Sept. 10, 1964. 80 W41
- 101339 RATERA, E. L. Let's cultivate our *Lycium cestroides* Schlecht. (Sp) Soc. Argentina de Hort. B. 22(135):25-28. Ref. Jan./Mar. 1964. 83 Sol
- 101340 ROBERTS, E. C. Sod—a new farm crop. Crops & Soils 16(9):16-17. Aug./Sept. 1964. 6 W55
- 101341 ROOSEN-RUNGE, E. C. Some thoughts on Epiphyllums and their culture in northern city homes. Cactus & Succulent J. 36(4):99-100, 104. July/Aug. 1964. 451 C11
- 101342 RUSSON, J. B. Backroom bottling. Amer. Orchid Soc. B. 33(9):745-748. Sept. 1964. 80 Am329 For orchids.
- 101343 RUYSCH, W. *Aloe bellatula* Reynolds. (Du) Succulenta 43(3):38-40. Mar. 1964. 450 Su12 Culture.
- 101344 SALINGER, J. P. Maples in the flower garden. New Zeal. J. Agr. 108(6):581,583,585,587. June 15, 1964. 23 N48J
- 101345 SAMUELSSON, L. Shrubs for the garden. (Sw) Varmlands Lans Hushallsk. Arsberat. 1963. 163-168. 11 V43
- 101346 SCHERY, R. W. Turfgrass portraits. II. Fine fescues. Weeds & Turf 3(8):16-17. (Cont.) Aug. 1964. 79.8 W413
- 101347 SCHMIDT, M. G. The small *Calochortus*. Calif. Hort. Soc. J. 25(2):34-36,56. Apr. 1964. 81 C1293
- 101348 SHEWELL-COOPER, W. E. The A.B.C. of *Chrysanthemums*. London, English Universities Press, 1964. 182 p. (ABC of Gardening Series) 96.519 Sh5A
- 101349 SIMON, S. Ornamental culture under glass in Switzerland and West Germany. (Hu) Kerteszetes Szoleszet 13(12):14-15. June 1964. 80 K474
- 101350 SPANKEREN, W. D. VAN. Lilies for gardens. (Sp) Soc. Argentina de Hort. B. 22(135):19-24. Jan./Mar. 1964. 83 Sol Iris; especially culture.
- 101351 THEE, J. Concerning straight-line planting and the decoration of city streets. (Fr) Pepiniéristes Hort. Maraichers 48:2159-2162. June/July 1964. 80 P39
- 101352 THORNTON, F. Vandas in Florida. Amer. Orchid Soc. B. 33(8):676-677. Aug. 1964. 80 Am329
- 101353 TSUYAMA, T. A new form of *Iris nertschinskia* Lodd. (Ja) J. Jap. Bot. 38(12):21-22. Dec. 1963. 450 J8223
- 101354 U. S. PATENT OFF. Plant patents. 9 Nos. 1964. 156.65 P69 Contents: 2,416. Fischer, C. *Gladiolus* plant. 1 p., 1 col. pl. July 7; 2,417. Fischer, C. *Gladiolus* plant. 1 p., 1 col. pl. July 7; 2,421. Boerner, E. S. Rose plant. 2 p., 1 col. pl. July 7; 2,422. Voeller, J. R. *Chaenomeles lagenaria* climber. 1 p., 1 pl. July 14; 2,423. Temple, J. R. *Lantana* plant. 1 p., 1 col. pl. July 14; 2,424. McGredy, S. D. Rose plant 2 p., 1 col. pl. July 14; 2,441. Boerner, E. S. Rose plant. 2 p., 1 col. pl. Aug. 25; 2,442. Boerner, E. S. Rose plant. 2 p., 1 col. pl. Aug. 25; 2,443. Jelly, R. G. Rose plant. 2 p., 1 col. pl. Aug. 25.
- 101355 VAKULA, U. S., and BIBIKAW, YU. A. Vegetative propagation of ornamental and exotic woody plants. (Be) Minsk, Belaruskaya Akad. Navuk Vestsi. Ser. Biyol. Navuk 1:33-41. 1964. 442.8 M66 Russian summary.
- 101356 VOSTERS, J. *Araucaria excelsa*. Florists' Rev. 134(3482):18,61-62. Aug. 20, 1964. 80 W41
- 101357 WARNE, J. M. Guidelines for orchid gardening. Pacific Orchid Soc. Hawaii. B. 22(2):3-6, 14. June 1964. 96.2 P11
- 101358 WARNE, R. The white terete Vandas. Pacific Orchid Soc. Hawaii. B. 22(2):18-26, 29. June 1964. 96.2 P11
- 101359 WEBER, N. M. Designing with plants; useful small shrubs. Landscape Architect. 54(4):307, 309-310. July 1964. 80 L23
- 101360 WOESS, F. Rebuilding of the church square in Frauenkirchen. (Ge) Klosterneuburg. Hoher Bundeslehr- u. Versanst. f. Wein- u. Obstbau. Mitt. Ser. B, Obst u. Gart. 13(3):134-154, map. June 1963. 105.9 K696 English summary. Landscaping in Burgenland.
- 101361 WYMAN, D. *Castanea*, *Juglans* offer little for landscape use.
- 101362 WYMAN, D. Sorting the woody ornamentals; *Castanea*, *Juglans* offer little for landscape use. Amer. Nurseryman 120(5):11,90-95. Sept. 1, 1964. 80 Am371
- 101363 WYMAN, D. Sorting the woody ornamentals; few *Buddleias* of value for ornamental planting. Amer. Nurseryman 120(3):11,77-80. Aug. 1, 1964. 80 Am371
- 101364 YOUNGER, V. B., and SPAULDING, S. E. *Dichondra* in California. Lasca Leaves 14(3):51-53. July 1964. 450 L33

#### Vegetable and Truck Crops (Including Potatoes)

- 101365 ALISOV, M. Soilless culture and its advantages. (Rus) Ekon. Sel'sk. Khoz. 4:44-54. Apr. 1964. 281.8 So73 Greenhouse culture of vegetables.
- 101366 ALVAREZ LUNA, E. Culture of peppers in the family garden. (Sp) Tierra [Mexico] 19(6):459, 512. (Cont.) June 1964. 8 T445
- 101367 BALVOLL, G. Phosphorus fertilizing in vegetable production. (No) Gartneryrket 54(29): 839-840. July 17, 1964. 80 G1938
- 101368 BASTELAERE, H. VAN. Cucumber variety trials. (Fl) Tuinbouwberichten 28(3):99-100. Mar. 1964. 80 T817

- 101369 BLAGOVESHCHENSKII, N. I. Increasing yields of Elabug onion. (Rus) Selek. i Semen. 3:31-33. May/June 1964. 61.9 Se5
- 101370 BOBROV, L. G., and BAYUNOVA, Z. G. Kartofel' na yuge Kazakhstana [Potato culture in southern Kazakhstan]. Alma-Ata, Kazakhskoe Gosudarstvennoe Izdatel'stvo Selskokhozyaistvennoi Literatury, 1963. 83 p. 75 B634
- 101371 BREGMAN, P. J. Tomato culture in England and the Channel Islands. (Du) Groenten en Fruit 20(7):271-273. Aug. 12, 1964. 80 G89
- 101372 BRUNELLI, G. The culture of red chicory of Verone. (Fr) Pepinieristes Hort. Maraichers 43:1751-1752. Jan. 1964. 80 P39
- 101373 CAMPBELL, J. A. Tomato variety trials—1963. Miss. Agr. Expt. Sta. Inform. Sheet 833, 1 p. Dec. 1963. 100 M69In
- 101374 CATER, W. B. War on obsolete varieties. Seed World 95(2):8-10. July 24, 1964. 61.8 Se52  
Vegetable seeds.
- 101375 CH'EN, Y. M., CH'EN, H. P., and CHIAO, J. S. Studies on submerged cultivation of mushroom cultures. I-II. (Ch) Acta Biol. Expt. Sinica 8 (3/4):548-565. Ref. Dec. 1963. 442.8 Ac85  
English summary.
- 101376 CIAFFI, B. Truffle culture in the Province of Pesaro and Urbino. (It) Gaz. Com. 17(6):11-14. June 1964. 280.8 G253
- 101377 COLMENAREZ, C. E. Cultivo de zanahoria, lechuga, coliflor, repollo, nabo, rabanito, betarraga [Culture of carrots, lettuce, cauliflower, cabbage, turnips, radishes, beets]. Peru. Serv. Invest. Promoc. Agr. Divulg. Agropecuar. 59, 10 p. Nov. 1963. 275.9 P43
- 101378 COOK, A. C. Growing and using vegetables. U. S. D. A. Ybk. Agr. 1964:138-145. 1 Ag84Y
- 101379 COOPER, A. N. Certified seed potatoes; list of registered crops, 1962/64. Tasmanian J. Agr. 35(2):125-126. May 1964. 23 T182T
- 101380 CRAMP, K. V. Celery in East Anglia. Gt. Brit. Min. Agr. Fisheries & Food. Agr. 71(7):324-328, map. July 1964. 10 G79J
- 101381 DASKALOV, KH., and RUSENOVA-KONDAREVA, I. Studies of the distant hybridization of the genus Capsicum. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Rasteniyeud. Izv. 17:11-22. Ref. 1963. 451 B872  
German summary.
- 101382 DAVIDSSON, I. Gardening notes. (Ic) Gardyrkjufelag Islands. Arsrut 1963:23-26. 86 Is4  
Potato culture.
- 101383 DEBOSERE, G. Lettuce variety trials. (Fl) Tuinbouwberichten 28(3):96-97. Mar. 1964. 80 T817
- 101384 DEKAPRELEVICH, L. L. Methods and results of breeding beans in Georgia. (Rus) Agrobiologiya 2:184-190. Mar./Apr. 1964. 20 Ag822
- 101385 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Garden onion variety trials, 1959-61. (Da) Tidsskr. f. Planteavl 67(3):517-520. 1963. 11 T439
- 101386 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Preliminary potato variety list. (Da) Tidsskr. f. Planteavl 67(3):551-552. 1963. 11 T439
- 101387 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Swede variety trials, 1959-1962. (Da) Tidsskr. f. Planteavl 68(1):167-170. 1964. 11 T439
- 101388 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Sweetcorn variety trials, 1959-61. (Da) Tidsskr. f. Planteavl 67(3):509-512. 1963. 11 T439
- 101389 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Tests with preparation for the killing of potato vines, 1960-61. (Da) Tidsskr. f. Planteavl 68(1):155-158. 1964. 11 T439
- 101390 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Trials with early potato varieties immune to clubroot. (Da) Tidsskr. f. Planteavl 68(1):171-176. 1964. 11 T439
- 101391 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Trials with late potato varieties, 1957-61. (Da) Tidsskr. f. Planteavl 67(3):525-530. 1963. 11 T439
- 101392 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Trials with variable row spacings for cucumbers in greenhouses. (Da) Tidsskr. f. Planteavl 67(3):547-550. 1963. 11 T439  
Effects on yield and quality.
- 101393 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Variety trials with low, green beans. (Da) Tidsskr. f. Planteavl 67(3):513-516. 1963. 11 T439
- 101394 EDWARD, J. C., and SHANKER, G. Tomato varietal trial. Allahabad Farmer 37(6):22-24. Nov. 1963. 22 AL5
- 101395 ERSOY, I. Growing early seedlings of vegetables. (Tu) Pancar 13(139):6-8. Apr. 1964. 66.8 P19  
In hotbeds.
- 101396 FEDDERSEN, H. D. Potato trial highlights. So. Austral. J. Agr. 67(11):364-369. June 1964. 23 So84  
Varieties and culture.
- 101397 FRIDRIKSSON, S. Swede varieties. (Ic) Gardyrkjufelag Islands. Arsrut 1963:16-17. 86 Is4
- 101398 GAAK, O. YA., and KARUNIN, B. A. Comparison of methods of selection of sample sheaf and examination of stands during the approval of peas varieties. (Rus) Selek. i Semen. 3:59-61. May/June 1964. 61.9 Se5
- 101399 GALINDO, A. Asparagus. (Sp) Cult. Mod. 47 (1):20-21. Jan. 1964. 15 C89  
Culture in Spain.
- 101400 GALL, H., and GRIESS, H. Testing of breeder potatoes in the DDR. (Ge) Zuchter 34(1):32-36, map. 1964. 442.8 Z8  
For virus resistance.
- 101401 GIUGLARIS, A. The genetic improvement of the tomato; the introduction of resistance to nematodes has been successful thanks to the respect of the laws of heredity. (Fr) Pepinieristes Hort. Maraichers 43:1749-1750. Jan. 1964. 80 P39
- 101402 GOBER, F. Correlation between plant spacing and yield of green asparagus grown on sandy soils in the first three harvest years. (Ge) Arch. f. Gartbau. 11(8):585-599. Ref. 1963. 80 Ar2  
English summary.  
East Germany.
- 101403 GUNTHER, E., and GRUMMER, G. The Phytophthora resistance of some tomato varieties and their progeny. (Ge) Zuchter 34(1):14-16. Ref. 1964. 442.8 Z8  
East Germany.
- 101404 HONMA, S., and DOWNES, J. D. Spartan Emerald, a new pepper variety for processing and the fresh market. Mich. Agr. Expt. Sta. Q. B. 46(4):495-498. May 1964. 100 M58S
- 101405 HUDSON, D. E., and others. Cucumbers. Va. Polytech. Inst. Agr. Ext. C. 715, rev., 4 p. June 1964. 275.29 V81C  
A. V. Watts, F. H. Scott, and F. D. Schales, joint authors.
- 101406 HUDSON, D. E., and others. Lima beans. Va. Polytech. Inst. Agr. Ext. C. 680, rev., 4 p. June 1964. 275.29 V81C  
A. V. Watts, F. H. Scott, and F. D. Schales, joint authors.
- 101407 HUDSON, D. E., and others. Muskmelons. Va. Polytech. Inst. Agr. Ext. C. 696, rev., 4 p. June 1964. 275.29 V81C  
A. V. Watts, F. H. Scott, and F. D. Schales, joint authors.
- 101408 HUHNE, W. The "Champignon-Anbauversuche" Division. (Ge) Champignon 4(29):5-16. Ref. Jan. 1964. 80 C352  
Of the Max-Planck-Institut für Kulturpflanzen-zucht, Hamburg-Volksdorf.
- 101409 INDREA, D. Results concerning the application of some agrotechnical methods in early cucumber field cultures. (Rum) Cluj. Inst. Agron. "Dr. Petru Groza." Lucrari Sti. 19:189-199. Ref. 1964. 21 C622  
English summary.



- 101410 JENSEN, J. Variety trials with green podded dwarf French beans. 1959-61. (Da) Tidsskr. f. Planteavl 67(3):455-467. 1963. 11 T439  
English summary.
- 101411 JOHANSEN, R. H., LANA, E. P., and BENSON, A. P. Viking, a new, high-yielding, red-skinned potato variety. Amer. Potato J. 41(8):253-255. Aug. 1964. 75.8 P842
- 101412 KULKARNI, C. Onion has its own requirements. Indian Farming 14(2):13-14. May 1964. 22 In283
- 101413 LAI, C. M., and WANG, T. H. On the culture of onions. (Ch) Yuan Hsueh Pao 2(1):45-50. Feb. 1963. 80 Y9
- 101414 LAMM, R. Kvalitetsproblem hos drivtomat [Quality problems of greenhouse tomatoes]. Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 38,11 p. 1964. 11 Up62A  
Chiefly breeding and diseases.
- 101415 LEMBERG, B. Ancient cultivated plants. (Sw) Honsgarden 1:20-21. In Tidsskr. f. Lantman och Andelsfolk 3. Feb. 15, 1964. 20 T43  
Vegetables and herbs.
- 101416 MA, H. H. A preliminary investigation on the growth of "Ta-tso" No. 1 Chinese cabbage. (Ch) Yuan Hsueh Pao 2(1):51-57. Feb. 1963. 80 Y9
- 101417 MCCOY, O. D. Comparison of single and multiple harvests of cabbage and lettuce. Calif. U. Col. Agr. Dept. Veg. Crops. Veg. Crops Ser. 131,12 p. Jan. 1964. 81 C1255
- 101418 MACGILLIVRAY, J. H., and others. Further studies on harvest methods for Brussels sprouts. Calif. U. Col. Agr. Dept. Veg. Crops. Veg. Crops Ser. 133,16 p. Mar. 1964. 81 C1255  
C. B. Ailee, R. H. Sciaroni, and M. D. Davis, joint authors.
- 101419 MASUI, S. Greenhouse culture in the paddy field area surrounding the cities. (Ja) Nogyo to Keizai 30(2):58-61. Feb. 1964. 281.8 N682
- 101420 MIKHOV, A. New varieties of vegetables. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:69-72. 1964. 20 M57  
In Bulgaria.
- 101421 MOKHOV, V. Potato culture in virgin land area. (Rus) Sel'sk. Khoz. Kazakhstana 5:35. 1964. 20 K185
- 101422 MOUNTIER, N. S. Plot size and guard rows in potato experiments. New Zeal. J. Agr. Res. 7(2):180-197. Ref. May 1964. 23 N4892
- 101423 MUNOZ MARES, E. More beans per hectare; recommendations for the North of Tamaulipas. (Sp) Tierra [Mexico] 19(6):460-461,511. June 1964. 8 T445
- 101424 NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF PLANT INDUSTRY. Asparagus culture, by R. T. Spencer. Ed. 2. Sydney, Blight, 1963. 6 p. 91.41 N47
- 101425 NILSSON, E. Breeding of vegetables for market gardening. (Sw) Jord-Groda-Djur 20:38-46. 1964. 11 J763
- 101426 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. The cultivation of carrots. North. Ireland. Min. Agr. L. 100,16 p. May 1964. 10 N81
- 101427 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. The cultivation of lettuce. North. Ireland. Min. Agr. L. 130,16 p. Apr. 1964. 10 N81
- 101428 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Results of potato variety trials. North. Ireland. Min. Agr. L. 7,12 p. May 1964. 10 N81
- 101429 NOVITSKAYA, E. I. Method of producing hybrid tomato seeds without the removal of stamens. (Rus) Sele. i Semen. 3:69-71. May/June 1964. 61.9 Se5
- 101430 NOWOSAD, F. S. A handbook for northern gardeners. Canada. Dept. Agr. P. 1081, rev., 27 p. Ref. 1964. 7 C16Pu  
Chiefly vegetables.
- 101431 OKHOVA, E. P. New form of tomatoes produced by vegetative-reproductive hybridization. (Rus) Agrobiologiya 2:231-235. Mar./Apr. 1964. 20 Ag822
- 101432 PECAUT, P. Breeding disease resistant tomato varieties. (Fr) Journees Internat. des Fruits et Legumes. Compt. Rend. des Conf. Prononcees 2:73-80. Apr. 20/23, 1963. 93.09 J824
- 101433 PERSSON, N. E. Crop rotation in vegetable field culture. (Sw) Jord-Groda-Djur 20:158-162. 1964. 11 J763
- 101434 PRADO, O. DE T. Culture of vegetables--general part. (Por) Agronomico 14(7/8):15-32. (Cont.) July/Aug. 1962. 9.2 Ag894
- 101435 PUGAI, P. Wide space planting of onions and carrots. (Rus) Sel'sk. Khoz. Kazakhstana 5:40. 1964. 20 K185
- 101436 RIVOIRA, G. Investigation on cauliflower (Brassica oleracea var. botrytis L.). (It) Studi Sassaesi. Sez. III, 10:149-170. 1962, pub. 1963. 507 Sa7Sa  
English summary.  
Plant spacing with four varieties.
- 101437 RODENBURG, C. M. Results of fall lettuce trials. (Du) Groenten en Fruit 20(6):220-221, 223,225. Aug. 5, 1964. 80 G89
- 101438 RODENBURG, C. M. Results of winter lettuce variety trials. (Du) Groenten en Fruit 20(7):260-261,263,265. Aug. 15, 1964. 80 G89
- 101439 ROGERS, I. S. Cucurbits: pumpkins, rock melons [cantaloupes], water melons, cucumbers, and related crops. So. Austral. J. Agr. 67(10):325-327. May 1964. 23 So84
- 101440 RYYNANEN, A. Results of trials with swede. (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:122-129. 1964. 64.9 F49  
English summary.
- 101441 SANAIEV, N. F. A complex method of remote hybridization of annual plants. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauki 2:166-168. 1963. 442.8 N22  
Cucumbers and muskmelons.
- 101442 SHUL'GA, M. S. Breeding peas at the Uladovo-Lyulnetskaya Opytho-Selektsionnaya Stantsiya. (Rus) Agrobiologiya 2:179-183. Mar./Apr. 1964. 20 Ag822
- 101443 SMIT, C. J. Pumpkins for the Uppington area. Farming So. Africa 40(4):17,19. July 1964. 24 So842  
Varieties and yields of Cucurbita maxima, C. pepo, and C. moschata.
- 101444 TAMAS, L. Vegetable production in the comitat Heves. (Hu) Kerteszlet es Szoleszet 13(12):3-5. June 1964. 80 K474
- 101445 TIRRELL, R. Seeds to save--and how; create your own supply of vegetable, fruit and flower seeds--as well as strains adapted to your garden's environment. Org. Gard. & Farming 11(9):38-41. Sept. 1964. 57.8 Or32
- 101446 TKACHENKO, F. M. Hybrid of rutabaga and collard. (Rus) Zhivotnovodstvo 3:63-64. Mar. 1964. 49 Z6
- 101447 UMAR, S. M. Potato cultivation in West Pakistan. Agr. Pakistan 14(4):426-435. Dec. 1963. 22 Ag832
- 101448 WINTERTON, D. An evaluation of new varieties of beetroot for canning purposes. Queensland J. Agr. Sci. 20(4):523-526. Dec. 1963. 23 Q37
- 101449 WU, K. U., and TING, L. P. Heterosis and the inheritance of yields in eggplant. (Ch) Yuan Hsueh Pao 2(1):37-43. Ref. Feb. 1963. 80 Y9
- 101450 YLLO, L. Comparisons of potato varieties at the Department of Plant Husbandry, 1959-63. (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:130-137. 1964. 64.9 F49  
English summary.
- 101451 YLLO, L. Potato yield levels in variety trials and on fields at Finnish agricultural experiment stations. (Fi) Ann. Agr. Fenn. 3(2):139-156. Ref. 1964. 20 An7  
English summary.

## WEEDS AND POISONOUS PLANTS

- 101452 AAMISEPP, A., and GRANSTROM, B. Nya kemiska medel i kampen mot ogras [New herbicides for the control of weeds]. Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 20,20 p. 1964. 11 Up62A

- 101453 AAMISEPP, A. Ograsbekampning i betor och potatis med nyare markherbicer [Control of weeds of beets and potatoes with new herbicides]. Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 6,13 p. 1963. 11 Up62A
- 101454 ABBOTT, R. E., and MOORE, J. F. Chemical brush control cuts costs and outages. ELP [Elect. Light Power] 42(5):70-74. May 1964. 335.8 EL243  
For rights of way.
- 101455 ABERG, B. Herbicidernas fysiologiska verkningsatt [Physiological effects of herbicides]. Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 28,22 p. Ref. 1964. 11 Up62A  
Control of weeds.
- 101456 ABRAMOV, N. G., and KOMAROV, A. M. Combined use of chemicals for weed control of the flax and fertilizers. (Rus) Len i Konoplya 6: 11-13. 1964. 73.8 L542
- 101457 ADOJAN, A. Motley grass and weeds in permanent cultivated pastures. (Es) Rohuma-aviljelus 3:37-57. Ref. 1962. 60.18 R63  
Russian summary.  
Pasture and meadow management, including weed control.
- 101458 ANISKIN, G. A. Control of wild oats and field sowthistle [Sonchus arvensis]. (Rus) Zemledelie 4:25-30. Apr. 1964. 20 Z44  
Tillage and chemical control.
- 101459 BAKER, J. B. Rice weed control. Rice J. 67(7):42. June 30, 1964. 59.8 R36  
In Louisiana.
- 101460 BAKUNIAK, I., and OSTROWSKI, J. Herbicides based on 2,4,5-T. (Pol) Ochrona Roslin 7(11): 29-31. Nov. 1963. 464.8 Oc32
- 101461 BAKUNIAK, I., and OSTROWSKI, J. Studies on a herbicide based on 2,4,5-T. (Pol) Ochrona Roslin 8(1):24-29. Jan. 1964. 464.8 Oc32
- 101462 BOVEY, R. W. Control of Yucca [glauca] by aerial application of herbicides. J. Range Mangt. 17(4):194-196. July 1964. 60.18 J82  
In Nebraska.
- 101463 BOWLING, C. C., and HUDGINS, H. R. Compatibility of insecticides with the herbicide propanil as spray applications on rice. Rice J. 67(8):25. July 1964. 59.8 R36
- 101464 BOWMAN, D. H., and FISHER, C. Rice varieties and herbicides treatments, 1962. Miss. Agr. Expt. Sta. Inform. Sheet 796,2 p. Mar. 1963. 100 M69In  
Includes use of DPA.
- 101465 BRIAN, R. C. The classification of herbicides and types of toxicity. In Audus, L. J., ed. The physiology and biochemistry of herbicides, p.1-37. Ref. 1964. 79 Au2  
Literature review.
- 101466 BYLTERUD, A. Control of weeds in connection with crop rotation. (No) Arsskr. f. Norske Skogplantesk. 1963:71-77, 79-82, 84-85, 87-88. 1964. 99.9 N8122  
Includes discussion.
- 101467 CHACKO, A. J., BALAKRISHNAN, M. P., and NARAYANAN, P. K. Weed control in "cole" areas of Trichur District. Rice News Teller 12(1):28. Jan./Mar. 1964. 59.8 R366
- 101468 CHANDLER, H. Johnsongrass program in Yolo County. Calif. Weed Conf. Proc., 16th Annu. Conf.:13-14. 1964. 79.9 C122  
Use of Karmex-X77 for control in California.
- 101469 CH'EN, Y. K. How do herbicides get rid of weeds? (Ch) Nongye Jishu 6:20-21. June 1963. 22.5 N929
- 101470 CH'EN, Y. K. The use of several important herbicides. (Ch) Nongye Jishu 6:22-23. June 1963. 22.5 N929
- 101471 COLLABORATIVE PESTICIDES ANALYTICAL COMMITTEE. Recommended analytical methods for pesticides. 19. DNOC herbicides. FAO Plant Protect. B. 11(5):110-111. Oct. 1963. 421 P692
- 101472 COLLABORATIVE PESTICIDES ANALYTICAL COMMITTEE. Recommended analytical methods for pesticides. 20. 2,4,5-T and 2,4,5-T formulations. FAO Plant Protect. B. 11(5):112-114. Oct. 1963. 421 P692
- 101473 COZZANI, C., MANTAUT, U., and TRAMINI, S. Comparative tests with pre-emergence use of three different doses of Prometryne for weed control in spring pea plantings. (It) Not. sulle Mal. delle Piante 67:51-56. 1963. 464.8 N84  
English summary.
- 101474 COZZANI, C., MANTAUT, U., and TRAMINI, S. Preliminary tests on pre-emergence use of three triazine derivatives for weed control in spring pea plantings. (It) Not. sulle Mal. delle Piante 67:43-50. 1963. 464.8 N84  
English summary.
- 101475 COZZANI, C., MANTAUT, U., and TOLVE, N. Tests with pre-emergence use of Prometryne for weed control in winter peas planted with barley. (It) Not. sulle Mal. delle Piante 67: 57-62. 1963. 464.8 N84  
English summary.
- 101476 CRONIN, E. H., and WILLIAMS, M. C. Chemical control of timber milkvetch [Astragalus miser] and effects on associated vegetation. Weeds 12(3):177-179. July 1964. 79.8 W41  
With 2,4,5-T and silvex.
- 101477 DAWSON, J. H. Competition between irrigated field beans and annual weeds. Weeds 12(3):206-208. July 1964. 79.8 W41  
Includes herbicide practices.
- 101478 DAY, B. E., and others. Uracil herbicides for weed control. Calif. Citrog. 49(10):371,380, 382. Aug. 1964. 80 C125  
L. S. Jordan, J. D. Mann, and R. C. Russell, joint authors.
- 101479 DEMORANVILLE, I. E., and CROSS, C. E. Casoron and weed control in cranberries. Cranberries 29(4):13-14. Aug. 1964. 80 C852
- 101480 DENIZET, and FARGEIX. Control of Bifora. (Fr) Phytoma 15(150):25-27. July/Aug. 1963. 464.8 P563  
In France.
- 101481 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Chemical control of weeds in mangolds. (Da) Tidsskr. f. Planteavl 68(1): 181-184. 1964. 11 T439
- 101482 DIATLOFF, G. How far does groundsel [Baccharis halimifolia] seed travel? Queensland Agr. J. 90(6):354-356. June 1964. 23 Q33  
Control with 2,4-D and 2,4,5-T.
- 101483 DOERSCH, R. Quack grass can be controlled. Hoard's Dairymen 109(14):787. July 15, 1964. 44.8 H65
- 101484 DOVLATYAN, V. V. From the study of synthesis of herbicides. 8. (Rus) Akad. Nauk Arm. SSR. Izv. Khim. Nauk 16(5):471-474. 1963. 385 Er42
- 101485 DOVLATYAN, V. V., and CHAKRYAN, T. O. From the study of synthesis of herbicides. 9. (Rus) Akad. Nauk Arm. SSR. Izv. Khim. Nauk 16(5):475-482. 1963. 385 Er42
- 101486 ELWELL, H. M. Oak brush control improves grazing lands. Agron. J. 56(4):411-415. Ref. July/Aug. 1964. 4 Am34P  
With 2,4,5-T and silvex.
- 101487 ENGEL, H. Control of broom (Sarthamnus scoparius) with the helicopter. (Ge) Gesunde Pflanzen 16(1):15-19. Jan. 1964. 464.8 G33  
English summary.  
On a hilly pasture with 2,4-D and 2,4,5-T.
- 101488 FREED, V. H. Determination of herbicides and plant growth regulators. In Audus, L. J., ed. The physiology and biochemistry of herbicides, p.39-74. Ref. 1964. 79 Au2  
Literature review.
- 101489 FRIGATO, V. The use of dipyrilidyl dessicant herbicides. (It) Agricoltura 13(5):96-98. May 1964. 16 Ag8226
- 101490 FUNDERBURK, H. H., PATE, D. A., and LAWRENCE, J. M. Chemical control of alligator-weeds [Alternanthera philoxeroides]. High-lights Agr. Res. [Ala. Sta.] 11(3):3. Fall 1964. 100 ALJH
- 101491 GANGSTAD, E. O. Chemical control of fence row vegetation. Tex. Res. Found. Grass Mimeo. 48,2 p. Apr. 1962. 60.9 T31



- 101492 GANGSTAD, E. O. Eradication of some deep-rooted herbaceous weedy plants on Houston black clay by temporary chemical sterilization of the soil. *Tex. Res. Found. Grass Mimeo.* 62, 9 p. Ref. Dec.1963. 60.9 T31
- 101493 GANGSTAD, E. O. Pre-emergence application of herbicides in fertilizer mixtures for control of winter annual weeds on established Bermuda grass sod. *Tex. Res. Found. Grass Mimeo.* 55, 4 p. Mar.1963. 60.9 T31
- 101494 GANGSTAD, E. O. Prometone for control of Johnson grass in the fence row. *Tex. Res. Found. Grass Mimeo.* 57, 2 p. Apr.1963. 60.9 T31
- 101495 GANGSTAD, E. O. Simazine for control of lawn weeds. *Tex. Res. Found. Grass Mimeo.* 56, 2 p. Mar.1963. 60.9 T31
- 101496 GASPARINI, G. The herbicides. (It) *Agr. della Spezia* 12(5):73-75. May 1964. 16 Ag8229
- 101497 GENTNER, W. A. Herbicidal activity of vapors of 4-amino-3,5,6-trichloropicolinic acid. *Weeds* 12(3):239-240. Ref. July 1964. 79.8 W41
- 101498 GOIX, J. Can you control chemically the Convolvulus in lilies of the valley? (Fr) *Phytoma* 14(140):16. July/Aug.1962. 464.8 P563
- 101499 GRANSTROM, B., and MATTSO, R. Aktuella forsokresultat fran ostra Mellansverige. III. Ograsbekampning i hostvete [Results of current research in Middle Sweden-III. Weed control in fall wheat]. *Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk.* 19, 17 p. Ref. 1964. 11 Up62A
- 101500 GRANSTROM, B. Chemical weed control. (Sw) *Jord-Groda-Djur* 20:104-118. 1964. 11 J763
- 101501 GRANSTROM, B. Control of couchgrass. (Sw) *Centstyr. f. Malmohus Lans Forsoks- och Vaxtskyddsringar. Meddel.* 30:127-128. 1963, pub.1964. 64.9 C332
- 101502 GT. BRIT. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Common chickweed [*Stellaria media*]. *Gt. Brit. Min. Agr. Fisheries & Food. Adv. L.* 528, 4 p. June 1964. 10 G79La
- Chemical control; vegetables.
- 101503 GT. BRIT. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Perennial bindweeds. *Gt. Brit. Min. Agr. Fisheries & Food. Adv. L.* 450, rev. 4 p. May 1964. 10 G79La
- Chemical control of *Convolvulus arvensis*, *Calyptegia sepium*, and *Polygonum convolvulus*; field crops.
- 101504 GRUEBELE, D. Weed control in northern California crops. *Calif. Weed Conf. Proc.*, 16th Annu. Conf.:52-53. 1964. 79.9 C122
- 101505 HAKANSSON, S. Measures for the prevention of weeds. (Sw) *Jord-Groda-Djur* 20:91-103. 1964. 11 J763
- 101506 HAKANSSON, S. Ograsloken i sydostra Sverige och dess bekampning [Wild onions in southeastern Sweden and their control]. *Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk.* 23, 26 p. 1964. 11 Up62A
- Allium species.
- 101507 HAMILTON, K. C., and TUCKER, H. Response of selected and random plantings of Johnson-grass [*Sorghum halepense*] to dalapon. *Weeds* 12(3):220-222. July 1964. 79.8 W41
- 101508 HARP, G. L., and CAMPBELL, R. S. Effects of the herbicide silvex on benthos of a farm pond. *J. Wildlife Mangt.* 28(2):308-317. Ref. Apr. 1964. 410 J827
- Missouri, includes insects.
- 101509 HARRANGER, J., and FARNERT, B. Chemical control of willows. (Fr) *Phytoma* 14(140):9-14, map. July/Aug.1962. 464.8 P563
- In strawberries and grain.
- 101510 HENKEL, H. G. Thin-layer chromatography behavior of herbicidal compounds. 2. (Ge) *Chimia* 18(7):252-254. July 15, 1964. 385 C444
- 101511 HODGSON, J. M. Variations in ecotypes of Canada thistle [*Cirsium arvense*]. *Weeds* 12(3):167-171. Ref. July 1964. 79.8 W41
- 101512 HUGHES, E. E., and DARROW, R. A. Herbage production responses to pelleted fenuron and granular 2,3,6-TBA. *J. Range Mangt.* 17(4):197-199. July 1964. 60.18 J82
- 101513 HUNNAM, D., and HEY, G. L. The control of weeds in sugar beet by an endothal/propham mixture applied at drilling. *Amer. Soc. Sugar Beet Technol. J.* 12(8):672-685. Jan.1964. 66.9 Am35J
- 101514 INCH, R. Fern [*Pteridium esculentum*] control at a profit. *New Zeal. J. Agr.* 108(5):426-428. May 15, 1964. 23 N48J
- 101515 ISO, I., and others. Studies on the effects of hoeing and chemical weed control. In Martonvasar, Hungary. *Mezogazdasagi Kutato Intezet. Symposium on maize breeding and production, p.X/I-X/27.* Ref. 1963. 59.22 M363
- B. Gyorffy, J. Szabo, and E. Szalai, joint authors.
- 101516 JOHNSTON, A. N. The principles supporting successful spraying operations; facts behind development of misting technique. *Austral. Tobacco J.* 5:6, 8-10, 16-17. May 1964. 69.8 Au7
- Weed control.
- 101517 JONES, L., and DAVIES, W. The value of herbicides in the renovation of pasture. *Europe. Conf. Forage Prod. Natur. Grassland Mountain Reg. Proc.*, 1962 Conf.:201-209. 1963. 60.19 Eu72
- Great Britain.
- 101518 JORGENSEN, S. J. Weed control in the orchard. (Da) *Erhvervsfrugtavlaren* 31(7):254, 259. July 1, 1964. 80 Er3
- 101519 JULLIARD, B. Chemical weeding of vineyards. (Fr) *Phytoma* 15(151):13-19. Sept./Oct.1963. 464.8 P563
- In France.
- 101520 KAY, B. L. New materials for range improvement. *Calif. Weed Conf. Proc.*, 16th Annu. Conf.:8-11. 1964. 79.9 C122
- Herbicides.
- 101521 KAY, B. L. Paraquat for selective control of range weeds. *Weeds* 12(3):192-194. July 1964. 79.8 W41
- 101522 KHAN, M.-UD-D., and TIRMAZI, S. S. Some studies on the control of dodder (*Cuscuta reflexa* Rox) with herbicides. *West Pakistan J. Agr. Res.* 1(4):31-37. Sept./Dec.1963. 22 W52
- 101523 KOYLJARVI, J. Chemical control of weeds in cereal nurse crops on clover leys. (Fi) *Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet.* 18:154-164. 1964. 64.9 F49
- English summary.
- 101524 KRAMER. Chemical care of slopes. (Ge) *Wiss.-Tech. Fortschr. f. die Landwirt.* 5(6):261-262. June 1964. 18 W763
- Use of herbicides on ditches.
- 101525 KRUGER, H. Brush control with oil-soluble growth substance herbicides. (Ge) *Deut. Landwirt.* 15(6):300-302. June 1964. 18 D4822
- 2,4-D plus 2,4,5-T.
- 101526 KUZNETSOV, M. D. Use of herbicides in fruit nurseries. (Rus) *Sadovodstvo* 5:22-23. May 1964. 80 Sa13
- 101527 LACOMBE, G. Chemical control of *Colchicum* in Haute-Saone. (Fr) *Phytoma* 14(140):29-31. July/Aug.1962. 464.8 P563
- 101528 LALLUKKA, R., and SALOKANGAS, K. Weed control in onion cultivations. (Fi) *Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet.* 18:165-172. 1964. 64.9 F49
- English summary.
- 101529 LEASURE, J. K. Bioassay methods for 4-amino-3,5,6-trichloropicolinic acid. *Weeds* 12(3):232-233. July 1964. 79.8 W41
- 101530 LEYDEN, R. F. Chemical weed control with no tillage: a cultural practice for Texas citrus orchards. *Rio Grande Val. Hort. Soc. J.* 18:25-28. 1964. 81 L95
- 101531 LEYDEN, R. F. Herbicides around newly-planted citrus trees. *Rio Grande Val. Hort. Soc. J.* 18:21-24. 1964. 81 L95





- 101573 SARJAS, P. DE. The use of airplanes for the weeding of rice. (Fr) *Phytoma* 15(152):11-13. Nov.1963. 464.8 P563  
In France.
- 101574 SCHECHTNER, G., and WAGNER, H. Plant composition change in the bristlegass [*Nardus stricta*] control investigations at Kaiserau. (Ge) *Europe. Conf. Forage Prod. Natur. Grass-land Mountain Reg. Proc.*, 1962 Conf.:95-109. Ref. 1963. 60.19 Eu72  
English summary.  
Includes discussion.
- 101575 SERFONTEIN, J. Jointed cactus [*Opuntia*]: ornamental plant threatens two million morgen of veld. *Farming So. Africa* 40(3):43,45-47, map. June 1964. 24 S842
- 101576 SERFONTEIN, J. A prickly problem; control jointed cactus with correct veld management. *Farming So. Africa* 40(4):23-24. July 1964. 24 S842  
Weed control.
- 101577 SHAW, W. C., and LOUSTALOT, A. J. Revolution in weed science. *Agr. Sci. Rev.* 1(1): 38-47. Fall 1963. A31.3 Ag893  
Research programs.
- 101578 SHAW, W. C. Weed science—revolution in agricultural technology. *Weeds* 12(3):153-162. Ref. July 1964. 79.8 W41  
Chemical control.
- 101579 SMITH, R. J. A progress report on weed investigations in rice. *Rice J.* 67(7):16-17. June 30, 1964. 59.8 R36  
Control in Arkansas.
- 101580 SONDEL, J. Economic results of chemical weed control. (Pol) *Ochrona Roslin* 8(3):11-12. Mar. 1964. 464.8 Oc32
- 101581 STEPHEN, R. C. Grass weeds in lucerne. *New Zeal. J. Agr.* 108(5):433,441. May 15, 1964. 23 N48J  
Control with 2,2-DPA.
- 101582 STEYVOORT, L. VAN. Practical considerations on the phytosanitary treatment to be made in the culture of sugar beets. (Fr) *Inst. Belge pour l'Amelior. de la Betterave. P. de Vulg.* 2: 23-33. Dec. 1963. 66.9 In7P  
Weed and insect pest control.
- 101583 STURKIE, D. G. Controlling annual bluegrass [*Poa annua*] in lawns. *Highlights Agr. Res.* [Ala. Sta.] 11(3):6. Fall 1964. 100 AL1H
- 101584 SUND, K. A. An evaluation of atrazine, simazine, monuron and diuron on ten Hawaiian sugar cane plantations. *Weeds* 12(3):215-219. July 1964. 79.8 W41
- 101585 SWIETOCHOWSKI, B. Studies on positive and negative consequences of the use of herbicides in agriculture, horticulture and forestry. (Pol) *Poznan. Inst. Ochrony Roslin. B.* 24:1-20. 1963. 464.9 P87  
English summary.
- 101586 THATCHER, A. P., DAVIS, G. V., and ALLEY, H. P. Chemical control of plains pricklypear [*Opuntia polyacantha*] in southeastern Wyoming. *J. Range Mangt.* 17(4):190-193. July 1964. 60.18 J82
- 101587 THORUP, S. Weed control in March. (Da) *Tolvmandsbladet* 36(3):124-125. Mar. 1964. 11 T58
- 101588 TORFS, P., and OVERSTEYNS, A. Weed control in vegetable culture. (Fl) *Tuinbouwberichten* 28(3):112-113. Mar. 1964. 80 T817
- 101589 VYDRIN, YU. V., and TRUSOVA, F. V. Control of Russian sweetsultan [*Centaurea repens*]. (Rus) *Zemledelie* 4:34-40. Apr. 1964. 20 Z44
- 101590 WARREN, G. F. Adsorption of Amiben in soils. *Hormolog* 4(1):15-16. Nov. 1963. 381 H78  
Leaching.
- 101591 WASHINGTON STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Grapes, central and eastern Washington. *Wash. State U. Agr. Ext. Ext. Mimeo.* 2365, 1 p. Jan. 1964. 275.29 W27Mi  
Weed control with diuron and simazine.
- 101592 WIESE, A. F., and others. Effect of weeds and cultural practices on sorghum yields. *Weeds* 12(3):209-211. July 1964. 79.8 W41  
J. W. Collier, L. E. Clark, and U. D. Havelka, joint authors.  
Includes weed control.
- 101593 YU, C. H., and LIU, C. Y. PCP herbicide. (Ch) *Huaxue Shijie* 17(5):200-203. Ref. 1963. 385 C426

#### MISCELLANEOUS ECONOMIC PLANTS (Drug, Dye, Rubber, etc.)

- 101594 ABDULLAEV, I. K. Results of the introduction of new varieties of mulberry in Azerbaijan. (Rus) *Agrobiologiya* 2:199-204. Mar./Apr. 1964. 20 Ag822  
Includes breeding.
- 101595 ABDULLAEV, I. K. Use of triploid forms in breeding high yielding varieties of the mulberry tree. 7 p. Transl. 14011  
Translation from *Agrobiologiya* 6:861-865. Nov./Dec. 1962.
- 101596 ASOCIACION CAFETALERA DE EL SALVADOR. Memoria, ejercicio 1963-1964 [Report, activities of 1963-1964]. San Salvador, 1964. 27 p. 68.29 As52
- 101597 ASOCIACION CAFETALERA DE EL SALVADOR. Report, activities of 1962-1963. (Sp) *Cafe de El Salvador* 33(376/381):124-149. Mar./Aug. 1963. 68.28 C112
- 101598 ASOCIACION NACIONAL DEL CAFE (GUATEMALA). Regional [agencies]. (Sp) *Rev. Cafetal.* 30:9-15, map. Feb. 1964. 68.28 R322  
Coffee extension work.
- 101599 BAUMGARTEN, G. The importance of the cardiac glycosides in chemistry and medicine. (Ge) *Forsch. u. Fortschr.* 37(11):326-329. Ref. Nov. 1963. 474 F772  
Plant sources.
- 101600 BOLANOS C., M. Bending the roots. (Sp) *Santa Tecla. Inst. Salvadoreno de Invest. del Cafe. B. Inform.* 50:4-5. July 1963. 68.29 Sa5B  
Coffee culture.
- 101601 CHKHAIDZE, D. KH., CHKHAIDZE, V. KH., and TOTOCHAVA, M. N. Planting density of Grecian laurel in a nursery. (Rus) *Makharadze. Vses. Nauch.-Issled. Inst. Chaya Subtrop. Kul't. Subtrop. Kul't.* 1:99-112. Ref. 1963. 68.19 M28
- 101602 CH'U, Y. Y. *Coptis japonica*. (Ch) *Chung Kuo Nung Pao* 3:37. Mar. 1963. 22.5 C473  
A drug plant.
- 101603 DEUTSCHE GESELLSCHAFT FUR ARZNEI-PFLANZENFORSCHUNG. 12th convention. (Ge) *Pharm. Ztg.* 109(27):986-988. (Concl.) July 2, 1964. 396.8 P496  
Summaries of papers.
- 101604 DEUTSCHE GESELLSCHAFT FUR ARZNEI-PFLANZENFORSCHUNG. 12th lecture session from May 19 to 23, 1964 in Berlin. (Ge) *Deut. Apoth.-Ztg.* 104(27):914-916, 918-919. July 2, 1964. (Cont.) 396.8 Su2  
Abstracts of papers.
- 101605 EIDE, R. Dill to spare. *Org. Gard. & Farming* 11(9):56-57. Sept. 1964. 57.8 Or32  
Culture.
- 101606 FISCHER, W. J. *Euphorbia* species as poisonous and medicinal plants. (Ge) *Kosmos* 59(10): 435-438. Oct. 1963. 474 K842
- 101607 HAARER, A. E. Coffee growing. London, Oxford U. Press, 1963. 127 p. Ref. 68.2 H23
- 101608 HARDIN, J. W. North Carolina drug plants of commercial value. N. C. Agr. Expt. Sta. *Tech. B.* 418, rev. 34 p. Mar. 1964. 100 N81  
Includes identification.
- 101609 ILIEVA, S. D. Results of *Valeriana* breeding (*Valeriana officinalis* L.). (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Rastenievud. Izv.* 17:71-81. Ref. 1963. 451 B872  
German summary.

- 101610 JABLONSKI, B. An attempt to evaluate the nectar production of red clover when selecting new varieties. (Pol) *Pszczelnicze Zeszyty Nauk.* 6(2):81-91. Ref. Oct.1962. 424.8 P954 English summary.
- 101611 JULA, F., and others. Research works concerning the quantity and quality of nectar in some melliferous plants round the town of Cluj. (Rum) *Cluj. Inst. Agron. "Dr. Petru Groza."* *Lucrari Sti.* 19:43-51. 1964. 21 C622 G. Illyes, E. Pirvu, E. Constantinescu, and D. Musat, joint authors. English summary.
- 101612 KENNELLY, A. G. Herbs and salad crops. *New Zeal. J. Agr.* 108(6):549,551,553,555,557, 559,561. June 15,1964. 23 N48J
- 101613 KEVORKIAN, A. G., and DULL, R. E. T. Cocoa and chocolate. *U. S. D. A. Ybk. Agr.* 1964:200-205. 1 Ag84Y Chiefly cultural.
- 101614 KEVORKIAN, A. G. Pepper, vanilla [*planifolia*], and other spices. *U. S. D. A. Ybk. Agr.* 1964: 195-200. 1 Ag84Y
- 101615 LAUX, A. O. Chicory—the grow-it-yourself answer to coffee. *Org. Gard. & Farming* 11(9): 63-65. Sept.1964. 57.8 Or32
- 101616 LESKOVA, E. S. Biological properties of burnet [*Sanguisorba officinalis*]. (Rus) *Agrobiologiya* 2:309-310. Mar./Apr.1964. 20 Ag822 Culture.
- 101617 LI, T. C., and LIN, S. K. Seed selection for raising *Morus* seedlings. (Ch) *Nongye Jishu* 5: 12-14. May 1963. 22.5 N929
- 101618 MARR, R. S. How to improve pyrethrum. *Farming So. Africa* 40(3):59-60,62. June 1964. 24 So842 Culture.
- 101619 MENCHU, J. F. The need to investigate new insecticides of plant origin in our country. (Sp) *Rev. Cafetal.* 33:15-17. May 1964. 68.28 R322 Guatemala.
- 101620 MITEV, D. Study of *Cyperus esculentus* L. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Rastenievud. Izv.* 18:71-84. 1963. 451 B872 French summary. Culture.
- 101621 PADILLA Y PADILLA, G. "ACOGUA"—how it was formed and what it is. (Sp) *Rev. Cafetal.* 30:22-24. Feb.1964. 68.28 R322 The Asociacion de Caficultores de Oriente de Guatemala.
- 101622 SAID, M., and HUSSAIN, C. A. Turmeric cultivation in Peshawar region. *West Pakistan J. Agr. Res.* 1(4):28-30. Sept./Dec.1963. 22 W52
- 101623 SHUBINA, L. S. Productiveness of *Lavandula* in conditions of Crimea. (Rus) *Zemledelie* 3: 60. Mar.1964. 20 Z44 Culture and yields.
- 101624 SIMMONS, A. G. Herb gardening in five seasons. Princeton, N. J., Van Nostrand, 1964. 353 p. 97.21 Si4
- 101625 SMITH, R. W. The establishment of cocoa under different soil-moisture regimes. *Empire J. Expt. Agr.* 32(127):249-256. Ref. July 1964. 10 Em7 Ghana.
- 101626 SWARBRICK, J. T. A note on the rooting of kola (*Cola* spp.) cuttings. *Empire J. Expt. Agr.* 32(127):225-227. July 1964. 10 Em7 *Cola acuminata* and *C. nitida*.
- 101627 TEA RESEARCH INSTITUTE OF CEYLON. Thirty-seventh annual report for the year 1962. Colombo, 1964. 159 p. 68.19 C33A
- 101628 THOMPSON, F. C., and BAILEY, P. H. Comparison of hand and machine picking for harvesting experimental hop plots. *Inst. Brewing J.* 70(4):298-303. July/Aug.1964. 390.9 In7
- 101629 THYRI, H. Breeding of heather. (No) *Birokteren* 80(6):104. June 1964. 424.8 B53 *Calluna vulgaris*.
- 101630 VITTORIO ZANOTTI, A. The culture of drug and medicinal plants in the Trento-Alto Adige Region as parapharmaceutical activity. (It) *Riv. Ital. Essenze—Profumi—Piante Officinali—Aromi—Saponi—Cosmetici* 46(5):216-223. (Cont.) May 1964. 308.8 R52
- 101631 VOLKOVA, P. A., and others. *Dikorastushchie lekarstvennye rasteniya RSFSR (Moskovskaya oblast')* [Wild medicinal plants of Moscow area]. Moskva, Gosudarstvennoe Izdatel'stvo Moditsinskoi Literatury, 1963. 146 p. 459.2 V88 A. A. Dolgova, S. D. Ivanova, E. Ya Lyukshenkova, N. A. L'Vov, L. A. Razdorskaya, and V. M. Rodionova, joint authors.
- 101632 WANG, W. H. Preliminary report on culture and an examination of the special biological characteristics of *Arundo donax* L. (Ch) *Lin Yeh K'o Hsueh* 8(2/4):179-184. Apr./Oct.1963. 99.8 L632



## SOILS AND FERTILIZERS

## SOIL SCIENCE

- 101633 RAZORENOVA, N. A. Report on the activity of Vsesoyuznoe Obshchestvo Pochvovedov for 1963. (Rus) Pochvovedenie 5:109-118. May 1964. 57.8 P34
- 101634 SKORODUMOV, A. S. The interaction of plots in agricultural experiments. (Rus) Vest. Sel'skokhoz. Nauki [Moscow] 4:52-54. 1964. 20 V633  
English summary.  
Soil physics, chemistry and biology.
- 101635 SOCHTIG, H., and others. On the punched card documentation of the Institut fur Biochemie des Bodens of the Forschungsanstalt fur Landwirtschaft in Brunswick-Volkenrode. (Ge) Landwirtschaft. Forsch. 17(1):53-57. 1964. 18 L2333  
H. Ruhemann, H. Maeder, and W. Flaig, joint authors.  
English summary.

## Soil Physics

- 101636 BOND, R. D., and HARRIS, J. R. The influence of the microflora on physical properties of soils. I-II. Austral. J. Soil Res. 2(1):111-131. Ref. June 1964. 56.8 Au7
- 101637 BURNS, G. R., and DEAN, L. A. The movement of water and nitrate around bands of sodium nitrate in soils and glass beads. Soil Sci. Soc. Amer. Proc. 28(4):470-474. Ref. July/Aug. 1964. 56.9 So3
- 101638 CANARACHE, A. Density of soil sampling with reference to moisture determination. (Rum) Bucharest, Inst. Cent. Cercet. Agr. Sect. Pedol. An. Ser. A, 30:43-50. 1962, pub. 1963. 21 R86A  
French summary.
- 101639 CHAHAL, R. S. Effect of temperature and trapped air on the energy status of water in porous media. Soil Sci. 98(2):107-112. Aug. 1964. 56.8 So3
- 101640 CHENG, L. T. How are low moisture fields formed? (Ch) Nongye Jishu 11:6. Nov. 1962. 22.5 N929
- 101641 COLLIS-GEORGE, N., and EVANS, G. N. A hydrologic investigation of salt-affected soils in an alluvial plain of the Hawkesbury River, N.S.W. Austral. J. Soil Res. 2(1):20-28, map. June 1964. 56.8 Au7
- 101642 COLLIS-GEORGE, N., and EVANS, G. N. A two-well method of determining the hydraulic conductivity of discrete layers in layered saturated soils in the field. Austral. J. Soil Res. 2(1):8-19. June 1964. 56.8 Au7
- 101643 CSAPO, I., and others. Attempts on the use of indigenous plastic materials to obtain a stable structure. (Rum) Cluj. Inst. Agron. "Dr. Petru Groza." Lucrari Sti. 19:17-25. 1964. 21 C622  
M., R. Dobai, S. Gallo, and I. Kain, joint authors.  
English summary.  
In soils.
- 101644 DANFORS, E., and NILSSON, L. The application of the neutron method for moisture measurements in soils. (Sw) Grundforbattering 16(4):277-284. 1963. 54.8 G92  
English summary, p.294.
- 101645 DANFORS, E. Neutron-radiation for determination of moisture content. (Sw) Grundforbattering 16(4):244-255. Ref. 1963. 54.8 G92  
English summary, p.292-293.
- 101646 DOBSON, A. L., and WILSON, H. A. Respiration studies on soil treated with some hydrocarbons. Soil Sci. Soc. Amer. Proc. 28(4):536-539. Ref. July/Aug. 1964. 56.9 So3
- 101647 DUBETZ, S., and SONMOR, L. G. Comparison of gravimetric, tensiometer, and neutron methods of measuring soil moisture. Can. Agr. Eng. 6(1):32-34. Jan. 1964. 58.8 C164
- 101648 EDWARDS, W. M., FEHRENBACHER, J. B., and VAVRA, J. P. The effect of discrete ped density on corn root penetration in a Planosol. Soil Sci. Soc. Amer. Proc. 28(4):560-564. July/Aug. 1964. 56.9 So3
- 101649 FLORESCU, C. I. Static penetrometer for the measurement of the physical-mechanical properties of the soil. (Rum) Bucharest, Inst. Cent. Cercet. Agr. Sect. Pedol. An. Ser. A, 30:51-61. Ref. 1962, pub. 1963. 21 R86A
- 101650 GAMMON, N. Some soil factors that influence pecan production in Florida. North. Nut Growers Assoc. Annu. Rpt. 54:20-24. 1963. 94.69 N81  
Soil fertility and moisture.
- 101651 GURR, C. G. Calculation of soil water contents from gamma ray readings. Austral. J. Soil Res. 2(1):29-32. June 1964. 56.8 Au7
- 101652 GUSSAK, V. B., and PAGANYAS, K. P. Results of four-year studies of soil structure of irrigated typical Sierozem. (Rus) Pochvovedenie 5:73-83. Ref. May 1964. 57.8 P34  
English summary.  
Polyacrylonitrile and polyacrylamide as soil conditioners.
- 101653 HAAHR, V. The use of radioisotopes for soil physical measurements. The neutron scattering method for measuring soil moisture. (Sw) Grundforbattering 16(4):295-313. Ref. 1963. 54.8 G92  
English summary.
- 101654 HANNA, G. B., and EL MASRY, L. Effect of different kinds of ploughs on soil compaction. J. Soil Sci. United Arab Repub. 2(1):79-102. Ref. 1962. 56.8 J825
- 101655 HARADA, T., HAYASHI, R., and CHIKAMOTO, A. Effects of physical pretreatments of the soils on the mineralization of native organic nitrogen in paddy soils. (Ja) J. Sci. Soil & Manure 35(1):21-24. Jan. 1964. 56.8 J27
- 101656 HARRIS, R. F., and others. Mechanisms involved in soil aggregate stabilization by fungi and bacteria. Soil Sci. Soc. Amer. Proc. 28(4):529-532. Ref. July/Aug. 1964. 56.9 So3  
G. Chesters, O. N. Allen and O. J. Attoe, joint authors.
- 101657 HUSSIAN, M. Moisture distribution in the soil profile and its influence on irrigated agriculture. Agr. Pakistan 14(4):369-380. Dec. 1963. 22 Ag832
- 101658 JACKSON, R. D. Water vapor diffusion in relatively dry soil: II-III. Soil Sci. Soc. Amer. Proc. 28(4):464-470. Ref. July/Aug. 1964. 56.9 So3
- 101659 JENSEN, C. R., LETEY, J., and STOLZY, L. H. An improved trial for the production of O<sup>18</sup>-labeled air. Soil Sci. Soc. Amer. Proc. 28(4):580-581. July/Aug. 1964. 56.9 So3  
To be used in aeration studies.
- 101660 KHADILKAR, V. B., BADHE, N. N., and PANDYA, H. G. Physico-chemical studies in the coastal and hilly soils under arecanut palm of the Bombay Deccan. Arecanut J. 15(1):7-16. Ref. Jan./Mar. 1964. 77.8 Ar3
- 101661 KITA, D., and others. A new theory on the function of bentonite in suppressing the water percolation through soils. (Ja) J. Sci. Soil & Manure 35(2):47-52. Ref. Feb. 1964. 56.8 J27  
H. Tarumi, H. Mori, and K. Kawaguchi, joint authors.
- 101662 KIUCHI, K., and others. The correlation among total weight, actual volume, solid volume and liquid volume of soils. (Ja) J. Sci. Soil & Manure 35(1):33-36. Jan. 1964. 56.8 J27  
M. Nakamura, Y. Kubota, T. Koana, and T. Matsuzawa, joint authors.
- 101663 KOZACHYN, J., and MCHENRY, J. R. A method for installation of access tubes and the development of field equipment for measuring soil moisture by neutron scatter. Agron. J. 56(4):443-444. July/Aug. 1964. 4 Am34P
- 101664 LARIN, P. A. Increase of water-absorbing capacity of frozen plowed soil during snow thawing. (Rus) Vest. Sel'skokhoz. Nauki [Moscow] 4:34-38. 1964. 20 V633  
English summary.
- 101665 LJUNGGREN, K. Review of radiometric principles and methods in soil physics. (Sw) Grundforbattering 16(4):221-232. Ref. 1963. 54.8 G92  
English summary, p.291-292.
- 101666 MATEOS, M. Stabilization of two Iowa limstones with fly ash alone. Iowa Acad. Sci. Proc. 70:290-294. 1963. 500 I093

- 101667 MEINES, J. VAN. Compression estimations for raising the soil level in a river valley. (Du) Nederland, Heidemaatsch. Tijdschr. 75(6):315-320. June 1964. 12 N282  
Includes soil types.
- 101668 MILANOV, T. The application of the neutron method for soil moisture measurements at SMHI [Sveriges Meteorologiska och Hydrologiska Institut]. (Sw) Grundforbattrig 16(4):284-287. 1963. 54.8 G92  
English summary, p.294.
- 101669 MISONO, S. On the pF moisture curve of paddy soil. (Ja) J. Sci. Soil & Manure 35(2):61-64. Feb.1964. 56.8 J27
- 101670 MLESNITA, V., FLORESCU, I., and MULEA, T. Contribution for determining the specific resistance of the soil, during the ploughing operations. (Rum) Cluj. Inst. Agron. "Dr. Petru Groza." Luerari Sti. 19:35-42. 1964. 21 C622  
English summary.
- 101671 MOKADY, R. S., and LOW, P. F. The tension-moisture content relationship under static and dynamic conditions. Soil Sci. Soc. Amer. Proc. 28(4):583-584. July/Aug.1964. 56.9 So3
- 101672 MOTOC, E. Comparative study of methods of determining the wilting coefficient of plants (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. Ser. A, 30:35-42. 1962, pub. 1963. 21 R86A  
French summary.
- 101673 MURRAY, J. M., and SHANMUGHAM, C. R. Field and laboratory determination of field capacity. Can. Agr. Eng. 6(1):26-28. Ref. Jan. 1964. 58.8 C164  
Soil moisture and water consumptive use studies.
- 101674 OBREJANU, G., and CANARACHE, A. Physical aspects of the fertility of soils in valleys of the eastern part of the Rumanian plain. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. Ser. A, 30:9-23. Ref. 1962, pub.1963. 21 R86A  
French summary.
- 101675 O'FLAHERTY, C. A., and DAVIDSON, D. T. Stabilization of gravelly and stony soils with lime, fly ash and sodium carbonate. Iowa Acad. Sci. Proc. 70:334-350. Ref. 1963. 500 Io93
- 101676 OVCHAROVA, T., and PETROV, P. Results of tests on the effect of grass mixture on the structure of leached Chernozem-Smonitza soils in the Sofia Region. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 6:179-184. 1963. 56.9 So2  
French summary.
- 101677 PECK, A. J. The diffusivity of water in a porous material. Austral. J. Soil Res. 2(1):1-7. Ref. June 1964. 56.8 Au7
- 101678 RHOADES, E. D., and others. Water intake on a sandy range as affected by 20 years of differential cattle stocking rates. J. Range Mangt. 17(4):185-190. Ref. July 1964. 60.18 J82  
L. F. Locke, H. M. Taylor, and E. H. McIlvain, joint authors.
- 101679 RICHARDS, S. J., and others. Physical properties of soil mixes. Soil Sci. 98(2):129-132. Aug.1964. 56.8 So3  
J. E. Warneke, A. W. Marsh, and F. K. Aljibury, joint authors.
- 101680 SAARE, E. Gamma-radiation for the determination of bulk density. (Sw) Grundforbattrig 16(4):233-243. 1963. 54.8 G92  
English summary, p.292.
- 101681 SYMPOSIUM: Isotope techniques in soil physics and geohydrology. (Sw) Grundforbattrig 16(4):219-295. 1963. 54.8 G92  
Contributors: Y. Gustafsson, K. Ljunggren, E. Saare, E. Danfors, G. Alstermark, S. Engman, A. Fleetwood, L. Nilsson and T. Milanov.  
English summaries.  
Includes discussion.
- 101682 TEODORU, O., and MOTOC, E. Contributions to the study of the dispersion factor of soils of the eastern zones of the Rumanian plain. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. Ser. A, 30:25-33. 1962, pub.1963. 21 R86A  
French summary.
- 101683 VAN ECK, W. A. Geology and the properties of West Virginia residual soils. W. Va. Acad. Sci. 35:126-134. Ref. 1963, pub.1964. 500 W52
- 101684 VINTILA, I., and others. Prolonged influence of calcareous amendments and barn manure on certain physical and chemical properties of the soil. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. Ser. A, 30:107-115. Ref. 1962, pub.1963. 21 R86A  
I. Bajescu, A. Chiriac, E. Motoc, and S. Salzmann, joint authors.  
French summary.
- 101685 WANG, F. C., HASSAN, N. A., and FRANZINI, J. B. A method of analyzing unsteady, unsaturated flow in soils. J. Geophys. Res. 69(12):2569-2577. Ref. June 15, 1964. 470 J823
- 101686 WIJK, W. R. VAN, and BRUIJN, P. J. Determination of thermal conductivity and volumetric heat capacity of soils near the surface. Soil Sci. Soc. Amer. Proc. 28(4):461-464. Ref. July/Aug.1964. 56.9 So3
- 101687 WILLET, J. R. Compression estimation in reclamation operations. (Du) Nederland. Heidemaatsch. Tijdschr. 75(6):309-314. June 1964. 12 N282
- 101688 WINTERKORN, H. F. Soil water interaction and its bearing on water conduction in soils. In Princeton University Conference. Engineering and world water resources, p.15-34. 1963. 292.9 P93
- 101689 YOUNGS, R. W., and FROST, C. M. Humic acids from leonardite; a soil conditioner and organic fertilizer. N. Dak. Acad. Sci. Proc. 17:76-82. Dec.1963. 500 N813

#### Soil Chemistry and Mineralogy

- 101690 ABDEL-SAMIE, M. E., and others. Measurement of phosphate fixation in soils of Egypt using the tracer technique. J. Soil Sci. United Arab Repub. 2(1):7-24, map. Ref. 1962. 56.8 J825  
H. Hamdi, Y. Barrada, and M. T. Eid, joint authors.
- 101691 ABDOU, F. M., and LARSEN, S. A radioactive-tracer method for measuring the stability of sparingly soluble phosphates in soil. Soil Sci. 98(2):94-99. Ref. Aug.1964. 56.8 So3
- 101692 ADACHI, M. On the eluviation of sesquioxides by fulvic acid. 1. (Ja) J. Sci. Soil & Manure 35(1):29-32. Jan.1964. 56.8 J27
- 101693 ARABADZHEVA, Z. On the determination of cation sorption capacity of soils with methylene blue. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 8:155-172. Ref. 1963. 56.9 So2  
German summary.
- 101694 ARVIEU, J. C., and CHAUSSIDON, J. A study of the acid-solubility of an illite: extraction of potassium and evolution of the residue. (Fr) Ann. Agron. 15(3):207-229. Ref. 1964. 14 F8499  
English summary.
- 101695 BAILEY, G. W., and WHITE, J. L. Soil-pesticide relationships: review of adsorption and desorption of organic pesticides by soil colloids, with implication concerning pesticide bioactivity. J. Agr. & Food Chem. 12(4):324-332. Ref. July/Aug.1964. 381 J8223
- 101696 BAKER, A. S. Modifications in the curcumin procedure for the determination of boron in soil extracts. J. Agr. & Food Chem. 12(4):367-370. July/Aug.1964. 381 J8223
- 101697 BAKER, D. E. A study of isotopic dilution as a method for relating phosphorus retention to availability of phosphorus in widely different soils. Soil Sci. Soc. Amer. Proc. 28(4):511-517. Ref. July/Aug.1964. 56.9 So3
- 101698 BASTISSE, E. M. The role of various mineral or organic anions as carriers in geochemical and physiological processes. 6. (Fr) Ann. Agron. 15(3):231-242. 1964. 14 F8499  
English summary.  
Soils.
- 101699 BECKWITH, R. S., and REEVE, R. Studies on soluble silica in soils. II. The release of monosilicic acid from soils. Austral. J. Soil Res. 2(1):33-45. Ref. June 1964. 56.8 Au7



- 101700 BELYAEVA, N. I., and ANTIPOV-KARATAEV, I. N. Sources of exchangeable aluminum in soils as the cause for their exchangeable acidity. (Rus) *Kolloid. Zhur.* 25(6):639-641. Nov./Dec.1963. 385 K83  
English summary.
- 101701 BENE, R., GIRARD, T., and BALDO, S. Apropos determination of vitamin B<sub>1</sub> in soils. (Fr) Nancy. U. Facul. de Pharm. Assoc. des Diplomes de Microbiol. B. 92:11-16. Ref. Fourth Q. 1963. 448.2 N152
- 101702 BOL'SHAKOV, V. A., and STOILOV, G. P. Extraction of mobile molybdenum from soils and its determination by the polarographic method. (Rus) *Pochvovedenie* 5:95-101. Ref. May 1964. 57.8 P34  
English summary.
- 101703 BRINER, G. P. Survey of clay minerals in some Victorian soils. Roy. Soc. Victoria. Proc. (n.s.)77(1):191-195. Ref. Dec.13,1963. 514 M482
- 101704 BROADBENT, F. E., JACKMAN, R. H., and MCNICOLL, J. Mineralization of carbon and nitrogen in some New Zealand allophanic soils. *Soil Sci.* 98(2):118-128. Ref. Aug.1964. 56.8 So3
- 101705 BURTON, J. D., GUENTHER, W. B., and OWEN, H. M. Profile of natural radioactivity in hartsells loam. *Soil Sci. Soc. Amer. Proc.* 28(4):500-501. July/Aug.1964. 56.9 So3
- 101706 CARTER, D. L., and MYERS, V. I. Soil chemical and physical properties associated with depressional saline and adjacent areas in two grapefruit groves. Rio Grande Val. Hort. Soc. J. 18:51-60. 1964. 81 L95
- 101707 CHANG, C. H., and LAI, T. M. Studies on the methods using radioisotopes for measuring nutrients movement in soil columns. (Ch) Taiwan Sugar Expt. Sta. Rpt. 35:119-132. Ref. Mar.1964. 65.9 F76R  
English summary.
- 101708 CHAO, T. T. Anionic effects on sulfate adsorption by soils. *Soil Sci. Soc. Amer. Proc.* 28(4):581-583. July/Aug.1964. 56.9 So3
- 101709 CLARK, J. S., and HILL, R. G. The pH-percent base saturation relationship of soils. *Soil Sci. Soc. Amer. Proc.* 28(4):490-492. July/Aug. 1964. 56.9 So3
- 101710 COFFEE, R. C., and BARTHOLOMEW, W. V. Some aspects of ammonia sorption by soil surfaces. *Soil Sci. Soc. Amer. Proc.* 28(4):485-490. July/Aug.1964. 56.9 So3
- 101711 COTTENIE, A. Importance and methodology of minor element research. (Fl) *Landb.-Serv.* 6:176. Nov./Dec.1963. 13 L234  
Soil and plant analysis.
- 101712 DOBRITSKAYA, YU. I. Molybdenum in the soils of Moscow Region. (Rus) *Pochvovedenie* 5:84-95. Ref. May 1964. 57.8 P34  
English summary.
- 101713 ELLIOT, I. L. Soil testing and trace elements. New Zeal. J. Agr. 109(1):69,71,73. July 15, 1964. 23 N48J
- 101714 EMERSON, W. W., and RAUPACH, M. The reaction of polyvinyl alcohol with montmorillonite. *Austral. J. Soil Res.* 2(1):46-55. Ref. June 1964. 56.8 Au7
- 101715 FISKELL, J. G., EVERETT, P. H., and LOCASCIO, S. J. Fertilizer effectiveness: minor elements release from organic-N fertilizer materials in laboratory and field studies. *J. Agr. & Food Chem.* 12(4):363-367. Ref. July/Aug. 1964. 381 J8223
- 101716 FLAIG, W., SOCHTIG, H., and BEUTEL-SPACHER, H. Influence of humus on the exchange capacity of soils. (Ge) *Landbforsch. Volkenrode* 13(1):13-20. Ref. Sept.1963. 18 L2353
- 101717 FRINK, C. R. The effects of wash solvents on cation-exchange capacity measurements. *Soil Sci. Soc. Amer. Proc.* 28(4):506-511. Ref. July/Aug.1964. 56.9 So3
- 101718 GARGANO-IMPERATO, E. The content of ammonia, nitrites, nitrates, phosphates, and sulfates in rainwater. (It) Naples. U. Facol. di Sci. Agr. Ann. (ser.3)29:369-378. Ref. 1963/64. 105.4 P83  
English summary.
- 101719 GILES, J. B. Trace element profiles of some Grey Brown soils of heavy texture with acid substrata from the brigalow lands, Queensland. *Austral. Commonwealth Sci. & Indus. Res. Organ. Div. Soils. Div. Rpt.* 12/62,44 p. Ref. Apr.1964. 56.9 Au7
- 101720 GUNHOLD, P., and ZSOLDOS, J. The soils of Lower Austria and their phosphorus and potash supply in the years 1954 to 1962. (Ge) *Bodenkultur* 15(1):37-48. Mar.1964. 19 B635  
English summary.
- 101721 HAMDI, H., EL-DAMATY, A., and HANNA, F. A comparative study of the methods for sulphate and gypsum determination in some soils of Egypt. *J. Soil Sci. United Arab Repub.* 2(1):65-78. Ref. 1962. 56.8 J825
- 101722 HARTLEY, G. S. Herbicide behaviour in the soil. I. Physical factors and action through the soil. In Audus, L. J., ed. *The physiology and biochemistry of herbicides*, p.111-161. Ref. 1964. 79 Au2  
Literature review.
- 101723 HELLING, C. S., CHESTERS, G., and COREY, R. B. Contribution of organic matter and clay to soil cation-exchange capacity as affected by the pH of the saturating solution. *Soil Sci. Soc. Amer. Proc.* 28(4):517-520. Ref. July/Aug. 1964. 56.9 So3
- 101724 HENRIKSEN, A. Magnesium fixation in soils. (Da) *Tidsskr. f. Planteavl* 67(3):468-473. 1963. 11 T439  
English summary.
- 101725 HERATH, J. W. The mineralogical composition of some Ceylon dry zone clays. *Trop. Agr. [Peradeniya]* 118(2):47-54. Jan.1964. 26 T751
- 101726 HINGSTON, F. J. Reactions between boron and clays. *Austral. J. Soil Res.* 2(1):83-95. Ref. June 1964. 56.8 Au7
- 101727 HSU, P. H. Adsorption of phosphate by aluminum and iron in soils. *Soil Sci. Soc. Amer. Proc.* 28(4):474-478. Ref. July/Aug.1964. 56.9 So3
- 101728 JONSSON, E., and LINDER, H. Markens borhalt och forsok med borgodsling [Boron contents of soil and fertilizer trials]. Uppsala. *Lantbrukshogsk. Aktuell Lantbrukshogsk.* 32, 12 p. Ref. 1964. 11 Up62A
- 101729 JUNGK, A. The selectivity of cation adsorption by peat. (Ge) Z. F. Pflanzenernahr. Dungung, *Bodenk.* 104:206-216. Ref. 1964. 384 Z343A  
English summary, p.VI.
- 101730 KOBO, K., and FUJISAWA, T. Studies on clay humus complex. 4. Preferential adsorption of humic acid by clay. (Ja) *J. Sci. Soil & Manure* 35(2):40-46. Feb.1964. 56.8 J27
- 101731 KUMADA, K., and OTA, S. On the extraction of soil humus. (Ja) *J. Sci. Soil & Manure* 34 (11):417-422. Ref. Nov.1963. 56.8 J27
- 101732 LAGERWERFF, J. V. Extraction of clay-water systems. *Soil Sci. Soc. Amer. Proc.* 28(4):502-506. Ref. July/Aug.1964. 56.9 So3
- 101733 LINCOLN, R. S., and ROBERTSON, L. S. Soil tests tell. *Better Crops Plant Food* 48(4):6-11. July/Aug.1964. 6 B46
- 101734 LINDPERE, A. Agrochemical characteristics of Sphagnum peat in the Estonian SSR. (Es) *Akad. Nauk Estonskoj SSR. Izv. Ser. Biol.* 3: 213-218, map. 1963. 442.9 Ak18  
German summary.
- 101735 LITTLE, I. The determination of exchangeable aluminium in soils. *Austral. J. Soil Res.* 2(1):76-82. Ref. June 1964. 56.8 Au7
- 101736 MACHEVA, K., and GNOEVAYA, N. Primary minerals in Gray Forest soils. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv.* 8:189-202. 1963. 56.9 So2  
German summary.
- 101737 MADY, F. The identification of clay minerals in Slough and Harlington soils. *J. Soil Sci. United Arab Repub.* 2(1):131-140. 1962. 56.8 J825
- 101738 MALQUORI, A., and others. Research on clayey soils of the Tusco-Emilian Apennines. (It) *Ricerca Sci. Ser. 2, Parte II, Rend. Sez. B, Biol.* 3(2):133-180, map. July 1963. 475 It1  
O. T. Rotini, S. Cecconi, and G. Lotti, joint authors.  
English summary.  
Chiefly chemical analysis.

- 101739 MANUCA, O., and DANILIU, D. Contribution to the verification of the Egner-Riehm method for determining the phosphorus supply of soil. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. Ser. A, 30:89-97. Ref. 1962, pub.1963. 21 R86A  
French summary.
- 101740 MEHLHORN, R., and ROGGOW, G. Lime reserves in the Schwerin district. (Ge) Deut. Landwirt. 15(6):278-280. June 1964. 18 D4822  
Soil acidity and lime production and supply, and liming results.
- 101741 MEHLICH, A. Influence of sorbed hydroxyl and sulfate on liming efficiency, pH, and conductivity. Soil Sci. Soc. Amer. Proc. 28(4):496-499. July/Aug.1964. 56.9 So3
- 101742 MEHLICH, A. Influence of sorbed hydroxyl and sulfate on neutralization of soil acidity. Soil Sci. Soc. Amer. Proc. 28(4):492-496. Ref. July/Aug.1964. 56.9 So3
- 101743 MEI, S. Y. The method for determining the acidity or alkalinity of soils. (Ch) Nongye Jishu 11:7-9. Nov.1962. 22.5 N929
- 101744 MILCHEVA, M., and RAIKOV, L. Determination of the extent of secondary phosphorus fixation with the aid of  $P^{32}$  in the course of taking soil extracts. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 6:85-91. Ref. 1963. 56.9 So2  
English summary.
- 101745 NEMES, M., and others. Contributions to the study of the conductometric method in order to determine the degree of salinization and the classification of saline soils in Transylvania. (Rum) Cluj. Inst. Agron. "Dr. Petru Groza." Lucrari Sti. 19:27-34. 1964. 21 C622  
I. Roman, F. Marchievici, S. Gallo, and E. Balint, joint authors.  
English summary.
- 101746 NINE, H. Effect of cultivation on the chemical properties of peat soils. (Es) Rohumaaviljelus 3:74-88, map. 1962. 60.18 R63  
Russian summary.  
Effect of pasture and meadow management.
- 101747 NJOS, A. An evaluation of the effect of deep plowing from chemical and physical soil analyses. (No) Ny Jord 51(2):47-57. Apr.1964. 282.28 N98
- 101748 NOSE, K., SUZUKI, T., and FUKUNAGA, K. Adsorption of phenols on fuller's earth. (Ja) J. Sci. Soil & Manure 35(2):57-60. Feb.1964. 56.8 J27
- 101749 NOSE, K., SUZUKI, T., and FUKUNAGA, K. p-Substituted nitrobenzene adsorption on soil. (Ja) J. Sci. Soil & Manure 34(11):412-416. Nov.1963. 56.8 J27
- 101750 PEDRO, G. Contribution to the experimental study of the geochemical alteration of crystalline rocks. 2. (Fr) Ann. Agron. 15(3):243-333. 1964. 14 F8499
- 101751 PHILLIPS, F. T. The aqueous transport of water-soluble nematocides through soils. I-III. J. Sci. Food & Agr. 15(7):444-463. Ref. July 1964. 382 So12  
I, The sorption of phenol and ethylene dibromide solutions and the chromatographic leaching of phenol in soils; II, The movement of phenol solutions at a constant percolation rate through a soil profile; III, Natural factors modifying the chromatographic leaching of phenol through soil.
- 101752 POPOV, A. A. The effect of the control of flow of Volga River by Volgograd Reservoir upon salts of Volga-Akhtuba flood-plains. (Rus) Pochvovedenie 5:57-68. May 1964. 57.8 P34  
English summary.  
Lowering of underground waters and decrease of salt content.
- 101753 RATHSACK, K., and JUNGK, A. The buffer capacity and cation adsorption of peat. (Ge) Z. f. Pflanzenernahr. Dungung, Bodenk. 104:193-205. Ref. 1964. 384 Z343A  
English summary, p.VI.
- 101754 RICH, C. I. Effect of cation size and pH on potassium exchange in Nason soil. Soil Sci. 98(2):100-106. Aug.1964. 56.8 So3
- 101755 SABBE, W. E., and REED, L. W. Investigations concerning nitrogen loss through chemical reactions involving urea and nitrite. Soil Sci. Soc. Amer. Proc. 28(4):478-481. Ref. July/Aug.1964. 56.9 So3
- 101756 SANDU, G. Secondary salinization and the water salinity system of soils in the massive salinization phase and by large portions, in the dammed enclosure of Calmatui-Gropeni. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. Ser. A, 30:167-192. Ref. 1962, pub.1963. 21 R86A  
French summary.
- 101757 SCHACHTSCHABEL, P., and HEINEMANN, G. Relation between P-forms and pH of loess soils. (Ge) Z. f. Pflanzenernahr. Dungung, Bodenk. 105(1):1-13. Ref. Apr.1964. 384 Z343A  
English summary, p.IX.
- 101758 SCHNITZER, M., and HOFFMAN, I. Pyrolysis of soil organic matter. Soil Sci. Soc. Amer. Proc. 28(4):520-525. Ref. July/Aug.1964. 56.9 So3
- 101759 SCHUFLE, J. A., and HASSAN, A. Ion exchange in sediments. Tex. J. Sci. 15(3):293-299. Sept. 1963. 470 T31  
New Mexico soil profiles.
- 101760 SERBANESCU, I., and BLANARU, V. The study of different forms of phosphates in certain soils of the R.P.R. and aspects of phosphate fixation. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. Ser. A, 30:63-78. Ref. 1962, pub.1963. 21 R86A  
French summary.
- 101761 SKOBETS, E. M., SMOLENTSEV, P. I., and RUCHKO, G. V. Determination of phosphoric acid in soils by polarographic method with the application of complexone. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauki 2:182-183. 1963. 442.8 N22
- 101762 SMIRNOVA, O. S. Methods for speedy soil analysis. (Rus) Lesn. Khoz. 11:39-40. Nov. 1963. 99.8 L5622
- 101763 STAIKOV, TS., and ARABADZHEVA, Z. Determination of cation exchange capacity of carbonate-free soils. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 6:77-84. Ref. 1963. 56.9 So2  
German summary.
- 101764 STINGA, N., and BLANARU, V. Determination of the exchangeable hydrogen of soil ( $S_{+}$ ) by direct potentiometric titration of the saline suspensions. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. Ser. A, 30:99-106. Ref. 1962, pub.1963. 21 R86A  
French summary.
- 101765 STOYANOV, D. V. Content of mobile forms of minor elements, copper, manganese, cobalt and molybdenum in some soils of the valley of roses. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 6:93-100. Ref. 1963. 56.9 So2  
French summary.
- 101766 SUZUKI, H. On the estimation of the effects of soil management. 3. Ion exchange capacity of soils of different management. (Ja) J. Sci. Soil & Manure 34(12):461-464. Dec.1963. 56.8 J27
- 101767 SWARTZENDRUBER, D., and GUPTA, R. P. Possible role of methane in affecting the hydraulic conductivity of fine quartz sand. Soil Sci. 98(2):73-77. Ref. Aug.1964. 56.8 So3
- 101768 TAKIJIMA, Y. Elemental analysis of rocks and soils by fluorescent X-ray spectrography. 3-5. (Ja) J. Sci. Soil & Manure 34(11):403-406; (12):444-452. Ref. Nov.-Dec.1963. 56.8 J27
- 101769 TAKIJIMA, Y. Elemental analysis of rocks and soils by fluorescent X-ray spectrography. 6-7. (Ja) J. Sci. Soil & Manure 35(1):13-20. Jan.1964. 56.8 J27
- 101770 TOWEN, L., and VERSTEEG, W. Sport fields. (Du) Nederland. Heidemaatsch. Tijdschr. 75(6):295-302. June 1964. 12 N282  
Soil testing and drainage.
- 101771 TSEREL'MAN, A. I. Satellite atoms; geochemical classification of elements. (Rus) Priroda [Moscow] 5:8-19. 1964. 410 P933



- 101772 TSYPLENKOV, V. P. Of changing of mobility of organic matter of peat. (Rus) Leningrad. U. Vest. Ser. Biol. 4:138-147. Ref. 1963. 442.9 L542V  
English summary.  
Humic acid extraction.
- 101773 TUCKER, B. M. The solubility of potassium from soil illites. I-II. Austral. J. Soil Res. 2 (1):56-75. Ref. June 1964. 56.8 Au7
- 101774 TYURYUKANOV, A. N., and SHAMAEVA, G. M. Iodine distribution in soils depending on their type and microrelief. (Rus) Nauch. Dok. Vys-shei Shkoly. Biol. Nauki 2:171-174. 1963. 442.8 N22
- 101775 WERKHOVEN, C. H. E. Boron in some saline and nonsaline soils in southeastern Saskatchewan. Soil Sci. Soc. Amer. Proc. 28(4):542-545. Ref. July/Aug. 1964. 56.9 So3
- 101776 WULLSTEIN, L. H., and GILMOUR, C. M. Gaseous nitrogen losses and range fertilization. J. Range Mangt. 17(4):203. July 1964. 60.18 J82
- 101777 YADAV, J. S. P. Trace element content of a heavy clay soil from England under free and poor drainage. Indian Forester 90(6):360-365. June 1964. 99.8 In2
- 101778 YOSHIDA, M., and NAKADATE, K. The exchangeable cations of soils flooded with sea water. (Ja) J. Sci. Soil & Manure 34(12):457-460. Dec. 1963. 56.8 J27
- 101779 YUAN, T. L. Comparison of reagents for soil organic matter extraction and effect of pH on subsequent separation of humic and fulvic acids. Soil Sci. 98(2):133-141. Ref. Aug. 1964. 56.8 So3
- 101780 ZENOVU, B. Water soluble boron in limed soils. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:40-45. 1964. 20 M57  
Rumania.
- 101781 ZYRIN, N. G., and GRINDEL', N. M. Seasonal dynamics of redox potential and acid soluble iron ( $Fe^{2+}$  and  $Fe^{3+}$ ) in soddy-podzolic soils. (Rus) Nauch. Dok. Vys-shei Shkoly. Biol. Nauki 2:175-181. Ref. 1963. 442.8 N22
- Soil Biology**
- 101782 ABEL, G. H., and ERDMAN, L. W. Response of Lee soybeans to different strains of Rhizobium japonicum. Agron. J. 56(4):423-424. July/Aug. 1964. 4 Am34P
- 101783 ANDERSON, O. E., and BOSWELL, F. C. The influence of low temperature and various concentrations of ammonium nitrate on nitrification in acid soils. Soil Sci. Soc. Amer. Proc. 28(4):525-529. Ref. July/Aug. 1964. 56.9 So3
- 101784 AUDUS, L. J. Herbicide behaviour in the soil. II. Interactions with soil micro-organism. In Audus, L. J., ed. The physiology and biochemistry of herbicides, p.163-206. Ref. 1964. 79 Au2  
Literature review.
- 101785 BAROOAH, P. P., and SEN, A. Nitrogen fixation by Beijerinckia in relation to slime formation. Arch. f. Mikrobiol. 48(4):381-385. 1964. 442.8 Ar26  
Polysaccharide gum.
- 101786 BAZILEVICH, N. I., and RODIN, L. E. Peculiarities of the reduced biological cycle in zones characterized by various soils and flora. 6 p. Ref. (OTS 63-11028) Transl. 13519  
Mineralization of plant residues.  
Translation from Akademiya Nauk SSSR. Doklady 97(6):1061-1064. 1954.
- 101787 BOEVA, L. I. Effect of various methods of tillage on soil microflora. (Rus) Nauch. Dok. Vys-shei Shkoly. Biol. Nauki 2:196-199. 1963. 442.8 N22
- 101788 BOYADZHEVA, B. M. About the methods of determining the cellulose-decomposing activity of the soil. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 6:115-121. 1963. 56.9 So2  
English summary.  
By microorganisms.
- 101789 CASS SMITH, W. P., and GOSS, O. M. Inoculation and lime-pelleting of leguminous seeds. West. Austral. Dept. Agr. J. (ser.4)5(4):225-227,230-231. Apr. 1964. 23 W52J
- 101790 COFFEE, R. C., and BARTHOLOMEW, W. V. Ammonia sorption and retention by plant residue materials. Soil Sci. Soc. Amer. Proc. 28 (4):482-485. July/Aug. 1964. 56.9 So3
- 101791 DAVIS, J. B., COTY, V. F., and STANLEY, J. P. Atmospheric nitrogen fixation by methane-oxidizing bacteria. J. Bact. 88(2):468-472. Ref. Aug. 1964. 448.3 J82  
Soil bacteria.
- 101792 DOBSON, A. L., and WILSON, H. A. Refuse decomposition in strip-mine spoils. W. Va. Acad. Sci. Proc. 35:59-65. 1963, pub. 1964. 500 W52
- 101793 DOMSCH, K. H. The influence of fungicides on the respiration of soils. (Ge) Phytopath. Z. 49(3):291-302. Ref. Jan. 1964. 464.8 P562  
English summary.  
Effects on microorganisms.
- 101794 FEI, C. H. How much nitrogen added to a field planted with soybeans. (Ch) Nongye Jishu 6:17. June 1963. 22.5 N929
- 101795 GEMMELL, C. G., and JENSEN, H. L. Some studies on trichloroacetate-decomposing soil bacteria. Arch. f. Mikrobiol. 48(4):386-392. 1964. 442.8 Ar26
- 101796 GRAHAM, P. H. Studies on the utilisation of carbohydrates and Krebs cycle intermediates by Rhizobia, using an agar plate method. Antonie van Leeuwenhoek J. Microbiol. & Serol. 30(1):68-72. Ref. 1964. 448.8 N28A
- 101797 GUPTA, K. G., and SEN, A. Utilization of combined nitrogen by Rhizobium spp. from some common cultivated legumes in relation to their efficiencies. Indian J. Agr. Sci. 33(4):240-243. Dec. 1963. 22 Ag83I  
Includes nitrogen fixation.
- 101798 GURFEL, D. Biological activity of cultivated meadows depending on the methods and duration of their use. (Es) Rohumaaviljelus 3:58-73. Ref. 1962. 60.18 R63  
Russian summary.  
Chiefly soil biology.
- 101799 HARTWIG, E. E. Reinoculation of soybeans. Miss. Agr. Expt. Sta. Inform. Sheet 846, 2 p. Apr. 1964. 100 M69In
- 101800 HILGER, F. Behavior of nitrogen-fixing bacteria belonging to the genus Beijerinckia towards pH and calcium. (Fr) Inst. Pasteur. Ann. 106(2):279-291. Ref. Feb. 1964. 448.3 An75  
English summary.
- 101801 IBRAEV, G. ZH., and others. Use of hydrolyzates of plant residues for culture of nitrogen fixing bacteria. (Rus) Akad. Nauk Kazakhskoi SSR. Vest. 6:3-8. Ref. June 1964. 511 AL6  
M. I. Goryaev, D. Karagushieva, Z. M. Yakovleva, and G. S. Kim, joint authors.  
To be used as bacterial fertilizers.
- 101802 ISHIZAWA, S., and TOYODA, H. Microflora of Japanese soils. 1-2. Soil Sci. & Plant Nutr. 10 (2):22-43. Ref. Mar. 1964. 56.8 So38
- 101803 ISHIZAWA, S., and ARARAGI, M. Studies on the Actinomycetes flora in Japanese soils. 1. (Ja) J. Sci. Soil & Manure 34(12):453-456. Ref. Dec. 1963. 56.8 J27
- 101804 JENSEN, H. L. On the relation between hosts and root nodule bacteria in certain leguminous plants. (Da) Tidsskr. f. Planteavl 68(1):1-22. Ref. 1964. 11 T439  
English summary.
- 101805 KADOTA, H., and MIYOSHI, H. The role of organic matter in the production of sulfides by sulfate-reducing bacteria in marine and estuarine sediments. (Ja) Kyoto U. Res. Inst. Food Sci. B. 27:9-29, map. Ref. Feb. 1964. 389.9 K99R  
English summary.
- 101806 KANEVSKAYA, I. G. Cellulose-destroying soil fungi. (Rus) Bot. Zhur. [Moscow] 49(5):715-720. Ref. May 1964. 451 R923

- 101807 KOLCHEVA, B. Soil microflora distributed according to profile line between Svishtov and Troyan cities. (Bu) Akad. Selskостopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 6: 101-113. Ref. 1963. 56.9 So2  
French summary.
- 101808 KONDRAT'EVA, N. V. Cyanophyta found in some cultivated soils near Kiev. 22 p. Ref. Transl. 13990  
Translation from Ukrayins'kyi Botanichnyi Zhurnal 16(1):74-85. 1959.
- 101809 KOZLOVA, E. I., BELOUSOVA, A. A., and VANDAR'EVA, V. S. The effect of simazine and atrazine on the development of soil micro-organisms. (Rus) Agrobiologiya 2:271-277. Mar./Apr.1964. 20 Ag822
- 101810 KUSTER, E. Studies on Irish peat bogs and their microbiology. Microbiol. Espan. 16(3): 203-208. July/Sept.1963. 448.3 M583
- 101811 KUSTER, E., and LOCCI, R. Studies on peat and peat microorganisms. II. Occurrence of thermophilic fungi in peat. Arch. f. Mikrobiol. 48(4):319-324. Ref. 1964. 442.8 Ar26  
Ireland.
- 101812 LINGAPPA, B. T., and LOCKWOOD, J. L. Activation of soil microflora by fungus spores in relation to soil fungistasis. J. Gen. Microbiol. 35(2):215-227. Ref. May 1964. 448.3 J823
- 101813 MAIKO, I. I., and PORTNOV, S. M. Distribution of Actinomycetes-antagonists in soils of Transcarpathian area in relation to altitude. (Rus) Mikrobiologiya 33(1):107-111. Ref. Jan./Feb.1964. 448.3 M582  
English summary.  
Effect of weather and climate.
- 101814 MECHSNER, K., and WUHRMANN, K. Contribution to the knowledge of microbial denitrification. (Ge) Path. et Microbiol. 26(5):579-591. Ref. 1963. 448.8 Sch9  
English summary.
- 101815 MITSUI, S., WATANABE, I., and HOMMA, S. The action of pesticides on the denitrification in paddy soil. 2. (Ja) J. Sci. Soil & Manure 34 (11):407-411. Ref. Nov.1963. 56.8 J27
- 101816 MOLINA, J. S. Carbon sources utilizable by Azobacter under natural conditions. (Fr) Inst. Pasteur. Ann. 106(1):151-154. Jan.1964. 448.3 An75  
English summary.  
Acetic, propionic, and butyric acids.
- 101817 MULLER, G., and FORSTER, I. A contribution to the dynamics of nutrient release from primary minerals through microscopic soil fungi. (Ge) Albrecht-Thaer-Arch. 8(1/3):153-163. 1964. 18 AL1  
English summary.
- 101818 NOVAK, B., and FRANKLOVA, S. The influence of some inhibitors on humus formation. II. The inhibition of oxidative phosphorylation. (Ge) Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. II. Natwiss. 118(1):66-75. Ref. June 19,1964. 448.3 C33  
English summary.  
Effects of 2,4-dinitrophenol and sodium azide.
- 101819 POCHON, J. Current aspects of the problem of cellulolysis. (Fr) Microbiol. Expan. 16(2):131-137. Apr./June 1963. 448.3 M583  
By soil bacteria.
- 101820 RAKHNO, P. KH. Seasonal development of soil bacteria. (Rus) Akad. Nauk SSSR. Vest. 10:54-57. Oct.1963. 511 Ak14V
- 101821 RANKOV, V. Effect of gypsuming and manuring on the microflora of saline soils. (Bu) Akad. Selskостopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 8:203-212. Ref. 1963. 56.9 So2  
English summary.
- 101822 ROBERT, M. Biological studies of soils during the incubation test. I. Free amino acids. (Fr) Inst. Pasteur. Ann. 106(2):319-325. Feb.1964. 448.3 An75  
English summary.
- 101823 ROBINSON, J. B., and MACDONALD, G. M. The aerobic bacterial flora of a New Zealand tussock-grassland soil. New Zeal. J. Agr. Res. 7(2):146-157. Ref. May 1964. 23 N4892
- 101824 ROMASHEV, P. I., and FOMINA, A. A. The role of nitrogen of legumes in the increase of productivity of pastures. (Rus) Zhivotnovodstvo 3:54-58. Mar.1964. 49 Z6  
Nitrogen fixation.
- 101825 ROOS, O. The occurrence of Azotobacter in typical sody-calcareous and humic-calcareous soils of the Estonian S.S.R. (Rus) Akad. Nauk Estonskoi SSR, Izv. Ser. Biol. 3:190-201. Ref. 1963. 442.9 Ak18  
English summary.
- 101826 SCHOBERT, P., and ENGEL, H. The behavior of nitrogen-fixing bacteria toward oxygen in solution. (Ge) Arch. f. Mikrobiol. 48(4):393-400. Ref. 1964. 442.8 Ar26  
Nitrosomonas europaea and Nitrobacter winogradskyi.
- 101827 STOUT, J. D. Bacterial populations of some grazed pastures in Hawke's Bay. New Zeal. J. Agr. Res. 7(2):91-117. Ref. May 1964. 23 N4893
- 101828 SUNDARA RAO, W. V. B., and others. Bacterial inoculation experiments with special reference to Azotobacter. Indian J. Agr. Sci. 33(4): 279-290. Ref. Dec.1963. 22 Ag831  
H. S. Mann, N. B. Paul and S. P. Mathur, joint authors.
- 101829 SUNDARA RAO, W. V. B., and SINHA, M. K. Phosphate dissolving micro-organisms in the soil and rhizosphere. Indian J. Agr. Sci. 33(4): 272-278. Ref. Dec.1963. 22 Ag831  
Bacterial and fungal isolates from soils and rhizosphere of wheat crop.
- 101830 TRAPPE, J. M. Mycorrhizal hosts and distribution of Cenococcum graniforme. Lloydia 27 (2):100-106, map. Ref. June 1964. 442.8 L77
- 101831 UEMURA, S. Isolation and properties of microorganisms from root nodules of non-leguminous plants. A review with extensive bibliography. (Ja) Japan. Forest Expt. Sta. B. 167: 59-91. Ref. Mar.1964. 99.8 R47
- 101832 VAARTAJA, O., and BUMBERIS, M. Abundance of Pythium species in nursery soils in South Australia. Austral. J. Biol. Sci. 17(2): 436-445. Ref. May 1964. 442.8 Au72
- 101833 VISSER, S. A. The presence of micro-organisms in various strata of deep tropical peat deposits. Life Sci. 3(9):1061-1065. Sept.1964. 442.8 L62

#### Soil-Plant-Animal Relationships

- 101834 STANFORD RESEARCH INSTITUTE. Plant uptake of radioelements from soil. Menlo Park, Calif., 1964. 220 p., map. Ref. (SRI Project IM-4536) 56.4 St2

#### Soil Genesis, Formation, Classification, and Mapping

- 101835 ANGELOV, E. Survey of virgin soils of the Bulgan Region, Mongolia, suitable for agriculture. (Bu) Akad. Selskостopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 6:37-60, map. Ref. 1963. 56.9 So2  
English summary.
- 101836 BEESLEY, T. E., SAUTTER, H. E., and JACKSON, R. K. Soil survey, Gage County, Nebraska. U. S. Soil Conserv. Serv. Soil Survey Ser. 1959(36), 76 p., map. Ref. May 1964. 1 So32F  
University of Nebraska Conservation and Survey Division, cooperating.
- 101837 BELOV, N. P., and others. Pochvy Murmanskoi oblasti i povyshenie ikh plodorodiya [Soils of Murmansk Province and the improvement of their fertility]. Kirovsk, Kirovskii Rabochii, 1963. 119 p. 56.26 B41  
V. I. Levina, R. A. Zhukova, M. B. Roizin, V. N. Pereverzev, and K. N. Manakov, joint authors.  
Soil classification, fertilizers and manures.
- 101838 BIBLIOGRAPHY on Chilean soils. (Sp) Chile. Dir. de Agr. y Pesca. Agr. Tec. 19/20:401-423. 1959/60, pub.1963. 464.9 C432B



- 101839 BOUCHARD., and others. Soil study of the Mahabi Plain (Morondava prefecture), scale 1/5.000. (Fr) Agron. Trop. [Paris] 19(3):227-252. Mar.1964. 26 Ag86  
Treuer, De Casabianca, Andriamihaingo, and Roche, joint authors.  
English summary.
- 101840 BOYADZHIEV, T. G. Contribution to the study of Yellow-podzolic soils in Bulgaria. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 6:33-36. 1963. 56.9 So2  
English summary.
- 101841 BOYADZHIEV, T. G. Rendzina soils in the region of Gray and Brown Forest soils in the northwestern Bulgaria. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 6:61-75. Ref. 1963. 56.9 So2  
German summary.  
With reference to genesis.
- 101842 CANARACHE, A., and VINTILA, I. Pot experiments on the influence of state of compression and fertilizers on the fertility of certain genetic horizons of Brown Podzol soils of Oarja. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. Ser. A, 30:117-123. 1962, pub. 1963. 21 R86A  
French summary.
- 101843 CHIA, S., and CHIN, S. J. The types, origins and evolution of the marshes on the Norgai Plateau. (Ch) Acta Geog. Sinica 29(3):219-240, map. Sept.1963. 331.8 T45  
Russian summary.
- 101844 DIAZ VIAL, C. Application of the soils map to the problems of engineering and agriculture. (Sp) Chile. Dir. de Agr. y Pesca. Agr. Tec. 19/20:212-226, map. 1959/60, pub.1963. 464.9 C432B  
Chile.
- 101845 DIAZ VIAL, C., ASTUDILLO BRAVO, J., and ARANDA BAEZA, G. Examination of soils of the Provinces of Osorno and Llanquihue. (Sp) Chile. Dir. de Agr. y Pesca. Agr. Tec. 19/20:125-205. 1959/60, pub.1963. 464.9 C432B
- 101846 DIAZ VIAL, C., AVILES SOMMERS, C., and ROBERTS, R. C. The great soil groups of the Province of Magallanes; preliminary study. (Sp) Chile. Dir. de Agr. y Pesca. Agr. Tec. 19/20:227-308, map. 1959/60, pub.1963. 464.9 C432B
- 101847 FAKHMI, G. Soils of the Nile Valley in its lower reaches. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauki 2:184-191. Ref. 1963. 442.8 N22  
Genesis.
- 101848 FLOWERS, R. L., and others. Soil survey of Fayette County, Tennessee. U. S. Soil Conserv. Serv. Soil Survey Ser. 1960(13), 71 p., map. Mar.1964. 1 So32F  
Tennessee Agricultural Experiment Station, cooperating.
- 101849 GARKUSHA, I. F. Classification and basic properties of soils. (Rus) Zemledelie 3:61-71. Mar.1964. 20 Z44
- 101850 GIBBONS, F. R., and GILL, E. D. Terrains and soils of the basaltic plains of far western Victoria. Roy. Soc. Victoria. Proc. (n.s.) 77(2): 387-395, map. Ref. June 12, 1964. 514 M482
- 101851 GIBBS, H. S. Soils of New Zealand and their limitations for pastoral use. New Zeal. Inst. Agr. Sci. Proc. 9:63-79. 1963. 23 N489P  
Includes discussion.
- 101852 GITA, G., and GITA, E. The study of the clay of certain soils formed on loess. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. Ser. A, 30:279-292. Ref. 1962, pub.1963. 21 R86A  
French summary.
- 101853 GODFREY, C. L. A summary of the soils of the Blackland prairies of Texas. Tex. Agr. Expt. Sta. MP-698, 24 p., map. Ref. Feb.1964. 100 T31M
- 101854 GRIGOREV, G. I., and FRIDLAND, V. M. On soil classification according to their cultural state. (Rus) Pochvovedenie 5:1-14. Ref. May 1964. 57.8 P34  
English summary.
- 101855 HUBERT, P. Bodemkaart van België. Carte des sols de la Belgique. Verklarende tekst bij het kaartblad, Texte explicatif de la planchette de De Panne 35 W [Soil map of Belgium. Explanatory text to the map De Panne 35 W]. Gent. Comité voor het Opnemen van de Bodemkaart en de Vegetatiekaart van België, 1963. 40 p., map. 56.24 H86Bp
- 101856 HUBERT, P. Bodemkaart van België. Carte des sols de la Belgique. Verklarende tekst bij het kaartblad. Texte explicatif de la planchette d' Ieper 81 E [Soil map of Belgium. Explanatory text to the map Ypres 81 E]. Gent. Comité voor het Opnemen van de Bodemkaart en de Vegetatiekaart van België, 1963. 77 p., map. 56.24 H86Bi
- 101857 JIMENEZ LARA, A. The knowledge of our soils. (Sp) Santa Tecla. Inst. Salvadoreño de Invest. del Cafe. B. Inform. 51:1-2. Aug.1963. 68.29 Sa5B  
Profiles.
- 101858 JOHANSSON, O. Markkarteringens representativitet. The representativeness of soil fertility mapping. Uppsala. Lantbrhögsk. Meddel. Ser. A, 2, 44 p. 1963. 11 Up62  
English summary.
- 101859 KANWAR, J. S., and TAKKAR, P. N. Sulphur, phosphorus and nitrogen deficiency in tea soils of the Punjab. Indian J. Agr. Sci. 33(4):291-294, map. Ref. Dec.1963. 22 Ag83I  
Soil survey and analysis.
- 101860 KHADZHIYANAKIEV, A. Certain features of the Gray Forest soils in the Loudogorie area. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 6:15-31. Ref. 1963. 56.9 So2  
English summary.  
Genesis.
- 101861 KUVAEV, V. B., and SAMARIN, V. P. The polygonale steppe near the river Amga, its soil, vegetation and origin. (Rus) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 3:98-109. Ref. May/June 1964. 511 M85
- 101862 KYUMA, K., MATSUO, Y., and KAWAGUCHI, K. On the horizontal differentiation process from a uniform parent material. (Ja) J. Sci. Soil & Manure 34(12):465-468. Ref. Dec.1963. 56.8 J27
- 101863 MATTHEWS, E. D., and others. Soil survey of Caroline County, Maryland. U. S. Soil Conserv. Serv. Soil Survey Ser. 1959(33), 53 p., map. Jan.1964. 1 So32F  
Maryland Agricultural Experiment Station, cooperating.
- 101864 METS, L. Does the level of a bog surface depend on the amount of precipitation? (Es) Eesti Loodus 6:361. Nov./Dec.1963. 409.6 Ee7  
English summary.
- 101865 MIYOSHI, H. Comparative study of Chiba-Matsuchi and Ryoso volcanic ash soil. 2-3. (Ja) J. Sci. Soil & Manure 34(11):423-427; 35(1):25-28, map. Nov.1963, Jan.1964. 56.8 J27
- 101866 MOTOMURA, S., and YAMANAKA, K. Studies on the gley formation of soils. 4. Development of reduced soil color in relation to ferrous iron. (Ja) J. Sci. Soil & Manure 34(11):428-432. Ref. Nov.1963. 56.8 J27
- 101867 NAUMOV, Z. On some regularities in distribution of Brown Forest soils in the Ribarica forest region. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Gorata. Izv. 14:27-57, map. 1963. 99.9 B872  
French summary.  
With reference to genesis.
- 101868 NINOV, N. Contribution to the problem of the geographical distribution of calcareous Chernozem-Smonitza soils. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 8:173-178. Ref. 1963. 56.9 So2  
English summary.
- 101869 OBREJANU, G., and others. Characterization of the soils of the sector between Olt and Dimbovita. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. Ser. A, 30:125-149, map. Ref. 1962, pub.1963. 21 R86A  
O. Teodoru, I. Bajescu, A. Canarache, A. Chiriac, E. Motoc, S. Salzman, R. Thaler, T. Trandafirescu, and I. Vintila, joint authors.  
French summary.

- 101870 PAHAUT, P. Carte des sols de la Belgique. Bodemkaart van België. Texte explicatif de la planchette de, Verklarende tekst bij het kaartblad Fleron 135 W [Soil map of Belgium. Explanatory text to the map Fleron 135 W]. Gand, Comité pour l'Établissement de la Carte des Sols et de la Végétation de la Belgique, 1963. 155 p., map. 56.24 P15Cf
- 101871 RANZANI, G., and others. General considerations on the "tabuleiro" soils of the Northeast. (Por) Sudene—Bol. Recursos Natur. 1 (1):45-70. Oct./Dec. 1963. 279.8 Su7  
O. Freire, T. Kinjo, and C. M. Cesar, joint authors.  
English summary.
- 101872 REMEZOVA, G. L. Accumulation of organic substances during the development of grass cover in oak woods. (Rus) Bot. Zhur. [Moscow] 49(6):894-900. Ref. June 1964. 451 R923
- 101873 ROBERTS, R. C., and DIAZ VIAL, C. The great soil groups of Chile. Chile. Dir. de Agr. y Pesca. Agr. Tec. 19/20:37-64. 1959/60, pub. 1963. 464.9 C432B  
Text also in Spanish, p.7-36.
- 101874 RYDALEVSKAYA, M. D., and TERESHENKOVA, N. A. The peculiarity of illuvial-humus process in the fir-Vaccinium forest under different soil vegetation. (Rus) Leningrad. U. Vest. Ser. Biol. 4:126-137. Ref. 1963. 442.9 L542V  
English summary.
- 101875 SKRYNNIKOVA, I. N. Classification of virgin bog and reclaimed peat soils of the USSR. (Rus) Pochvovedenie 5:14-26. Ref. May 1964. 57.8 P34  
English summary.
- 101876 SNACKEN, F. Bodemkaart van België. Carte des sols de la Belgique. Verklarende tekst bij de kaartbladen, Texte explicatif des planchettes de Noordhoek 5 E, Kieldrecht 14 W, Lillo 14 E [Soil maps of Belgium. Explanatory text to maps of Noordhoek 5 E, Kieldrecht 14 W, Lillo 14 E]. Gent, Comité voor het Opnemen van de Bodemkaart en de Vegetatiekaart van België, 1963. 78 p., map. 56.24 Sn1
- 101877 STICHTING VOOR BODEMKARTERING, WAGENINGEN. Jaarverslag [Annual report], 1963. Wageningen, 1964. 49 p., map. 56.9 St5
- 101878 TEACI, D., and others. Economic evaluation of the soils of state farms of the Dobroudja Region, according to soil science and economic criteria. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. Ser. A. 30:151-165., map. Ref. 1962, pub. 1963. 21 R86A  
S. Hartia, L. Savopol, S. Nastea, and M. Filip, joint authors.  
French summary.  
Soil classification and costs and returns.
- 101879 TRASHLIEV, KH., and KHADZHIYANAKIEV, A. Geographic soil regionalization of the Kolarovgrad Region. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 6:5-14, map. 1963. 56.9 So2  
German summary.
- 101880 TRASHLIEV, KH., KRUSTANOV, S., and KHADZHIYANAKIEV, A. On certain problems concerning the genesis of Gray Forest soils in Bulgaria. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 8:179-187. Ref. 1963. 56.9 So2  
English summary.
- 101881 U. S. SOIL CONSERVATION SERV. List of published soil surveys. Washington, 1964. 26 p. Jan. 1964. A241 So3L
- 101882 VERGER, F. Melon holes and gilgai soils. (Fr) Ann. de Geog. 73(398):413-430. July/Aug. 1964. 473 An75
- 101883 VODENICHAROV, I. Studies on the humus composition and properties in virgin and cultivated Chestnut forest soils and calcareous Chernozem. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 8:143-153. Ref. 1963. 56.9 So2  
English summary.
- 101884 WALLIS, J. R., and WILLEN, D. W. Variation in dispersion ratio, surface aggregation ratio, and texture of some California surface soils as related to soil-forming factors. Internatl. Assoc. Sci. Hydrol. B. 8(4):48-58. Ref. Dec. 1963. 292.9 As7
- 101885 WRIGHT, A. C. S. Observations on the soils of central Chile. Chile. Dir. de Agr. y Pesca. Agr. Tec. 19/20:96-124. 1959/60, pub. 1963. 464.9 C432B  
Text also in Spanish, p.65-95.
- 101886 YASUO, M., TSUKADA, T., and SUZUKI, T. Volcanic ash soil in the Kwanto plain; regional differences of the parent material; degree of weathering and state of aggregation. (Fr) Soil Sci. & Plant Nutr. 10(2):1-14, map. Mar. 1964. 56.8 So38  
English summary.

## SOIL MANAGEMENT

- 101887 ELLIOTT, I. L. The work of the Rukuhia Soil Research Station. Massey Agr. Col. Sheep-farming Annu. 1963:49-60. 45.9 M38S  
Includes discussion.
- 101888 FLOREZ, J. R. Do more than conserve your soils. (Sp) Credito Rur. (ser.2)136:5. Oct. 1963. 284.28 C863  
Management.
- 101889 PHILBRICK, J. H., and PHILBRICK, H. Gardening for health; an introduction to the method of bio-dynamic gardening inaugurated by Rudolf Steiner. Blauvelt, N. Y., St. George Books, 1963. 93 p. 91 P53
- 101890 REINHART, K. G. Approximating soil-moisture storage in experimental watersheds by means of precipitation and stream flow records. Soil Sci. Soc. Amer. Proc. 28(4):575-578. July/Aug. 1964. 56.9 So3
- 101891 STONE, J. G. Soil management in deciduous fruit orchards in tableland districts. Agr. Gaz. N. W. Wales 75(4):974-980. Apr. 1964. 23 N472
- 101892 TRIOLA, P. DE LA. Practical observations. (Sp) Cult. Mod. 47(3):87. Mar. 1964. 15 C89  
Soil management in Spain.
- 101893 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Amend the Watershed and Flood Prevention Act. Hearing, 88th Cong., 2d sess. on H. R. 9695 and H. R. 9938, March 19, 1964. Washington, 1964. 39 p. 292 Un395Ame
- 101894 VOYSEY, A. Landscape and soil. London, Longmans, 1963. 66 p. Ref. (Rural Education Series) 56 V94  
Chiefly soil management.
- 101895 WALSH, L. M. Modernize your meetings. Better Crops Plant Food 48(4):26-29. July/Aug. 1964. 6 B46  
Soil management clinics.
- 101896 WANG, T. S. C. Soil fatigue versus root excretion. Taiwan Sugar 11(2):17-21. Apr./June 1964. 65.8 T133

## Soil Fertility

- 101897 ALEKSIC, Z. Importance and place of organic fertilisers under the conditions of modern agriculture. (Se) Agrohemija 7/8:439-446. Ref. 1963. 385 Ag87
- 101898 ANDRYUSHCHENKO, V. K. The effect of form of nitrogen fertilizers and minor elements on cotton yields. (Rus) Agrobiologiya 2:295-296. Mar./Apr. 1964. 20 Ag822
- 101899 ANSORGE, H. Results of straw fertilizing research. (Ge) Z. f. Landwirt. Vers. u. Untersuchw. 10(1):21-29. Ref. 1964. 18 Z32  
English summary.
- 101900 ANTTINEN, O. Nitrogen fertilization trials on spring cereals and clover leys. (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:88-96. 1964. 64.9 F49  
English summary.



- 101901 AN-WEI SHENG NUNG YEH K'O HSUEH YUAN YEN TS'AO YEN CHIU SO. The application of initial and supplementary fertilizers for tobacco to fulfill its needs during growth. (Ch) Nongye Jishu 6:13-14. June 1963. 22.5 N929
- 101902 BAERUG, R. Gjodsling til poteter [Fertilizing of potatoes]. Norway. Landbrdept. Opplysnings-tjenesten. Smaskr. 5,8 p. 1964. 464.4 N83
- 101903 BAGATURIYA, E. A. Results of experiments on tung-oil tree fertilization. (Rus) Makharadze. Vses. Nauch.-Issled. Inst. Chaya Subtrop. Kul't Subtrop. Kul't. 1:89-98. Ref. 1963. 68.19 M28  
English summary.  
With reference to yields and quality.
- 101904 BAJESCU, I., and CHIRIAC, A. Aspects of distribution of copper, cobalt, zinc, and nickel in the soils of Dobroudja. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. Ser. A, 30: 79-87. Ref. 1962, pub. 1963. 21 R86A  
French summary.
- 101905 BAKHTADZE, K. E. Experiment with the application of composts in the cultivation of high yields of tea leaves. (Rus) Agrobiologiya 2: 260-264. Mar./Apr. 1964. 20 Ag822
- 101906 BALBINO, L. R., BRITO, F. V., and PERIRA, J. C. Alguns aspectos de fertilizacao do arroz; 4 anos de ensaios de campo [Some aspects of rice fertilization; 4 years (1959-62) of field experiments in Portugal]. Lisboa, C. U. F., 1963. unpagd. 57.7 B18  
English summary.
- 101907 BARBER, S. A. Meet nutrient needs. Better Crops Plant Food 47(3):28-33. May/June 1964. 6 B46
- 101908 BERTRAMSON, B. R. Micronutrient needs of the Pacific Northwest. Pacific Northwest Fert. Bulk Blending Symp. Proc., 1963 Symp.:67-75. Ref. 57.9 P112
- 101909 BISOVETSKII, T. YA. Manures and mineral fertilizers in sugar beets crop rotation. (Rus) Vest. Sel'skokhoz. Nauki [Moscow] 4:6-11. 1964. 20 V633  
English summary.  
Effects on yields.
- 101910 BJELKE-HOLTERMANN, A. Fertilizer value of beet tops. (Sw) Centstyr. f. Malmohus Lans Forsoks- och Vaxtskyddsringar. Meddel. 30: 108. 1963, pub. 1964. 64.9 C332
- 101911 BOLLE-JONES, E. W. Incidence of sulphur deficiency in Africa—a review. Empire J. Expt. Agr. 32(127):241-248. Ref. July 1964. 10 Em7
- 101912 BOSKOVIC, M., and MAKSIMOVIC, R. A proposal for modified method of top dressing of corn grown under determined productive condition. (Se) Agrohemija 7/8:431-435. 1963. 385 Ag87
- 101913 BRETAN, I., and others. Laboratory, vegetative pots and field experiments concerning the fertilizer and lime requirements of the soils in Transylvania. (Rum) Cluj. Inst. Agron. "Dr. Petru Groza." Lucrari Sti. 19:123-133. Ref. 1964. 21 C622  
I. Simionescu, L. Stoicovici and I. Kain, joint authors.  
English summary.
- 101914 BROADHEAD, D. M., and FREEMAN, K. C. Effects of fertilizer on yield and quality of sorgo for sirup. Miss. Agr. Expt. Sta. Inform. Sheet 849, 1 p. Apr. 1964. 100 M69In  
Nitrogen and phosphate treatments.
- 101915 BRUNNER, F. Yield increase with manure on permanent pastures. (Ge) Europe. Conf. Forage Prod. Natur. Grassland Mountain Reg. Proc., 1962 Conf.:125-130. 1963. 60.19 Eu72  
English summary.  
Germany.
- 101916 CAN, L., and PAGEL, H. On the influence of leguminous green manure on rice yield and soil properties under constant overflooding. (Ge) Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed. 2:27-38. 1963. 26 L53  
English summary.  
In North Vietnam.
- 101917 CARROLL, D. M., ERICKSON, C. J., and WHITTAKER, C. W. Cement kiln flue dusts for soil liming. Agron. J. 56(4):373-376. July/Aug. 1964. 4 Am34P  
Effect on alfalfa yields.
- 101918 CAUPIN, J. Development of anhydrous ammonia as fertilizer in the world. (Fr) Agro-Serv. 3:93-95. (Cont.) May/June 1964. 385 Ag86
- 101919 CENTRALSTYRELSEN FOR MALMOHUS LANS FORSOKS- OCH VAXTSKYDDSRINGAR. Den lokala godslingsforsoks-verksamheten inom Malmohus Lan ar 1963 [Local fertilizer experiments in Malmohus Province, 1963. Annual report]. Centstyr. f. Malmohus Lans Forsoks- och Vaxtskyddsringar. Meddel. 30, 149 p. 1963, pub. 1964. 64.9 C332
- 101920 CHANG, H. S. Melilotus suaveolens as a green manure on the grain fields of the Kuan-chung area. (Ch) Nongye Jishu 5:10-11. May 1963. 22.5 N929
- 101921 CHANG, S. C., and WONG, C. M. Fertilizer use under intensive farming in Taiwan. Soils & Fert. Taiwan 1962:12-19. 1963. 56.8 So37
- 101922 CHE-CHIANG SHENG I-WU HSIEN NUNG YEH SHIH YEN CH'ANG. This is how we use calcium cyanamide fertilizers. (Ch) Nongye Jishu 5:8-9. May 1963. 22.5 N929
- 101923 CH'EN, K. W. A discussion on the effectiveness of calcium superphosphate fertilizer. (Ch) Fu-Chien Nung Yeh Fujian Nongye 2/3:43-45. Feb. 1963. 22.5 F958
- 101924 CHIANG-HSI SHENG TENG-CHIA-PU SHUI TAO YUAN CHUNG CH'ANG. Experiment on using phosphorous fertilizer for safflower. (Ch) Nongye Jishu 8:10-12. Aug. 1963. 22.5 N929
- 101925 CHISCI, G. Fertilizing after cutting. (It) Raccolto 5(5):67-71. May 31, 1964. 16 R11  
Forage plants.
- 101926 CHUANG, I. M. The function of raising spring green manure in the fruit orchard in soil management. (Ch) Fu-Chien Nung Yeh Fujian Nongye 2/3:35-37. Feb. 1963. 22.5 F958
- 101927 CHUMACHENKO, I. N. Row application of fertilizers at the planting of cotton. (Rus) Khlopkovodstvo 4:34-35. Apr. 1964. 72.8 K522  
Superphosphates; effect on yields.
- 101928 CHUNG, L. How the Chiu-hua farm improved and used the Red soil of the desert. (Ch) Fu-Chien Nung Yeh Fujian Nongye 2/3:46. Feb. 1963. 22.5 F958
- 101929 COATS, R. E. Response of soybeans to fertilizer on limed and unlimed soils in the brown loam area. Miss. Agr. Expt. Sta. Inform. Sheet 840, 2 p. Mar. 1964. 100 M69In  
Potassium, phosphate and potash.
- 101930 COOK, R. L. Fertilizer experiments and soil testing needs in Taiwan. Soils & Fert. Taiwan 1962:32-37. 1963. 56.8 So37
- 101931 COURY, T. Rational use of fertilizers in the culture of the sugarcane. Fertilite 21:24-31. Ref. Feb./Mar. 1964. 57.8 F4122  
Brazil.
- 101932 DAHLKVIST, A. A summary of trials with ammonia liquor. (Sw) Centstyr. f. Malmohus Lans Forsoks- och Vaxtskyddsringar. Meddel. 30:59-61. 1963, pub. 1964. 64.9 C332  
Field crop fertilizing.
- 101933 DALLYN, S. L., and SAWYER, R. L. Anhydrous ammonia vs. ammonium nitrate as sources of nitrogen for rye cover crops on the potato soils of Long Island. Amer. Potato J. 41(7):201-207. July 1964. 75.8 P842
- 101934 DENMARK, STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Trials with root crops on soils fertilized in varying amounts, 1952-1959. (Da) Tidsskr. f. Planteavl 67(3):505-508. 1963. 11 T439
- 101935 D'ESCLAPON, G. DE R. Autumn fertilizing of the orchard. (Fr) Arboricult. Fruitiere 11 (125/126):14-15. July/Aug. 1964. 80 Ar13

- 101936 DIMITROV, S. Experiment on organic-mineral fertilization of potatoes on light alluvial meadow soils. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Rastenievud. Izv. 18:85-97. Ref. 1963. 451 B872  
German summary.
- 101937 DIMITROV, TS., and ATANASOV, A. Comparative testing of various forms of nitrogen fertilizers for wheat and sugar beets grown on leached Chernozem-Smonitza soils. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 6:123-158. Ref. 1963. 56.9 So2  
German summary.
- 101938 DONALD, C. M. Phosphorus in Australian agriculture. Austral. Inst. Agr. Sci. J. 30(2):75-105, map. Ref. June 1964. 23 Au74  
In fertilizers and soils.
- 101939 DUBOV, YU. Application of fertilizers ought to be done on scientific principles. (Rus) Sel'sk. Khoz. Kazakhstana 5:20-22. 1964. 20 K185
- 101940 ENZMANN, J. Experiments on the effect of nutrition foliar application by boron upon the seed yield of alfalfa. (Ge) Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed. 2:39-52. Ref. 1963. 26 L53  
English summary.
- 101941 ESIPOV, V., and MIL'NER, M. Effective use of fertilizers. (Rus) Zemledelie 4:66-67. Apr. 1964. 20 Z44  
Effect on yields of field crops.
- 101942 ESPINOSA, F. M., and MORENO M., M. Effect of the application of organic fertilizer, lime, and an ammonia fertilizer on the pH of the soil and on the production of coffee trees. (Sp) Santa Tecla. Inst. Salvadoreno de Invest. del Cafe B. Inform. 50:1-4. July 1963. 68.29 Sa5B
- 101943 FORESTIER, J. Relationship between the feeding of Robusta coffee tree and the analytical features of soils. (Fr) Cafe, Cacao, The 8(2): 89-112, map. Ref. Apr./June 1964. 68.8 C112  
English summary.  
Foliar diagnosis.
- 101944 FULLMER, F. S., and MCCOLLAM, M. E. Ask the leaf. Better Crops Plant Food 47(3):14-17, 26. May/June 1964. 6 B46  
Foliar diagnosis.
- 101945 GAHLOT, K. N. S. Phosphorus is next only to nitrogen. Indian Farming 14(2):10. May 1964. 22 In283  
For peas.
- 101946 GARG, K. P. Effect of levels, forms and methods of application of nitrogenous fertilisers on cotton. I. Effect on yield. Indian Cotton Growing Rev. 18(4):213-221. Ref. July 1964. 72.8 In23
- 101947 GEL'TSER, F. YU. Soil fertility in contemporary thought. (Rus) Agrobiologiya 2:286-294. Mar./Apr. 1964. 20 Ag822
- 101948 GOLDSWORTHY, P. R., and HEATHCOTE, R. Fertilizer trials with soya beans in Northern Nigeria. Empire J. Expt. Agr. 32(127):257-262, map. July 1964. 10 Em7  
Nitrogen, sulphur, phosphorus, superphosphate.
- 101949 GOLDSWORTHY, P. R. Methods of applying superphosphate to groundnuts in Northern Nigeria. Empire J. Expt. Agr. 32(127):231-234. July 1964. 10 Em7
- 101950 GRINCHENKO, A. M., CHESNYAK, G. YA., and CHESNYAK, O. A. Dynamics of fertility elements of Chernozem soils in relation to the length of utilization and application of fertilizers. (Rus) Pochvovedenie 5:27-35. Ref. May 1964. 57.8 P34  
English summary.  
Humus and minerals.
- 101951 GRINEANU, A., and others. Contributions for establishing the methods of increasing the production of the natural pastures in Bacau district. (Rum) Rev. de Zooteh. si Med. Vet. 14(2):23-33. Feb. 1964. 49 P943  
D. Rosca, E. Rosu, V. Panait, and S. Stavila, joint authors.  
English summary.  
With nitrogen and phosphorus fertilizers.
- 101952 GROMAKOVSKII, K. F. Fertilizers for irrigated grape culture. (Rus) Sadovodstvo 5:28-29. May 1964. 80 Sa13  
Includes effects on yields.
- 101953 HAMDI, H., and others. Yields of wheat and barley as influenced by fertilizers applications at Bahtim Experimental Station. J. Soil Sci. United Arab Repub. 2(1):117-129. Ref. 1962. 56.8 J825  
A. H. El-Damaty, T. A. El-Baradi, and M. A. Omar, joint authors.
- 101954 HAN, W. A discussion of the use and improvement of gravel soils along river banks. (Ch) Chung Kuo Nung Pao 3:34-36. Mar. 1963. 22.5 C473
- 101955 HASLER, A., and PULVER, H. Problems of magnesium fertilizing of agricultural crops. (Ge) Mitt. f. die Schweiz. Landwirt. 12(6):88-96. June 1964. 17 M69
- 101956 HO, H. P., WANG, C. Y., and TSENG, C. C. Primary and secondary crop arrangement on the Cheng-tu Plain. (Ch) Chung Kuo Nung Pao 3:8-11. Mar. 1963. 22.5 C473  
Rotation of crops, green manures.
- 101957 HOGAN, K. G., CUNNINGHAM, I. J., and MCNALLY, G. T. The effects of top-dressing pastures grown on Te Kopuru sand with copper and molybdenum compounds. New Zeal. J. Agr. Res. 7(2):174-179. Ref. May 1964. 23 N4892
- 101958 HSIA, T. C. The winter fertilizer for ramie. (Ja) Nongye Jishu 11:27-28. Nov. 1963. 22.5 N929
- 101959 HUERTA S., A. Mineral composition of leaves, fertilization and production of coffee. (Sp) Cenicafe 13(4):195-210. Ref. Oct./Dec. 1962. 68.29 C332
- 101960 HUGHES, J. D., and SEARLE, P. G. E. Observations on the residual value of accumulated phosphorus in a red loam. Austral. J. Agr. Res. 15(3):377-383. May 1964. 23 Au783  
Tomatoes as test plant.
- 101961 HUNT, I. V. The improvement of hill land by surface treatment in the West of Scotland. Europe. Conf. Forage Prod. Natur. Grassland Mountain Reg. Proc., 1962 Conf.:217-221. 1963. 60.19 Eu72  
Lime and basic slage dressings.
- 101962 HUNTER, F. Fertilizer responses on hill grazings in north eastern England. Europe. Conf. Forage Prod. Natur. Grassland Mountain Reg. Proc., 1962 Conf.:131-136. 1963. 60.19 Eu72
- 101963 I'SO, A. Application of lignite dust in fertilization of grapes. (Hu) Budapest. Szolesz. Kutato Intezet. Kutatasi Eredmenyei 2:25-28. 1963. 95.9 B85S
- 101964 JAISINGHANI, C. J., and MEHTA, K. M. Effect of fertilizers on cotton in desert soils of Rajasthan. Indian Cotton Growing Rev. 18(3): 159-166. Ref. May 1964. 72.8 In23
- 101965 JAKATE, P. N. Potash improves yield and quality of potato. Fert. News 9(7):9-15. Ref. July 1964. 57.8 F4123
- 101966 JANSSON, S. L. Debit and credit of meadow fertilizing. (Sw) Svensk Valltidskr. 3(1):21-25. 1964. 60.8 Sv22
- 101967 JEKIC, M. The effect of basic slag on the yield of sugar beet grown in calcareous alluvium soil. (Se) Agrohemija 7/8:447-453. 1963. 385 Ag87
- 101968 JENSEN, H. L., and MOLLER, E. Trials with clover as cover crops after various root crops and with application of varying amounts of potassium fertilizers. (Da) Tidsskr. f. Planteavl 67(3):444-454. 1963. 11 T439
- 101969 JENSEN, J. Lime-boron interaction. (Da) Tidsskr. f. Planteavl 68(1):135-144. Ref. 1964. 11 T439  
English summary.  
In connection with alfalfa fertilizing.
- 101970 JOHNSON, A. Fertilizers for perennial pastures. Agr. Gaz. N. S. Wales 75(6):1071-1075. June 1964. 23 N472  
Nitrogen.



- 101971 JONES, M. B., and MARTIN, W. E. Sulfate-sulfur concentration as an indicator of sulfur status in various California dryland pasture species. *Soil Sci. Soc. Amer. Proc.* 28(4):539-541. July/Aug.1964. 56.9 So3
- 101972 JONSSON, L. Forsök med urea. Preliminär rapport [ Urea trials. Preliminary report]. Uppsala. Lantbrukshögsk. Aktuell Lantbrukshögsk. 29,36 p. 1964. 11 Up62A  
Field crop fertilizing.
- 101973 KAPELEV, I. G. Organic and mineral fertilizers as a source of increased production of early vegetables. (Rus) *Agrobiologiya* 2:297-298. Mar./Apr.1964. 20 Ag822
- 101974 KAS'YANOV, N. The effect of fertilizers on sugar beets yields. (Rus) *Sel'sk. Khoz. Kazakhstana* 5:33-34. 1964. 20 K185
- 101975 KEBIN, I. Along the intensification road. (Rus) *Ekon. Sel'sk. Khoz.* 4:17-24. Apr.1964. 281.8 So73  
Chiefly fertilizers.
- 101976 KEOGH, J. L., and MAPLES, R. Fertilization of common Bermudagrass. *Ark. Farm Res.* 13(4):10. July/Aug.1964. 100 Ar42F  
Nitrogen.
- 101977 KHAN, M. S., and ULLAH, I. Manurial investigations on sweet oranges. *West Pakistan J. Agr. Res.* 1(3):82-87. Ref. June 1963. 22 W52
- 101978 KHRISTOV, L. Results of strawberry fertilization experiments in collective farms. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Ovoshtarstvo. Izv.* 5:19-32. 1963. 86 G16  
German summary.  
Chiefly with nitrogen.
- 101979 KHRISTOV, L. Study of the effect of fertilization of strawberries following culture of clover grass mixtures. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Ovoshtarstvo. Izv.* 5:5-18. Ref. 1963. 88 G16  
German summary.
- 101980 KIVEKAS, J. Results of experiments with farmyard manure and commercial fertilizers on fens. (Fi) *Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet.* 18:17-24. 1964. 64.9 F49  
English summary.
- 101981 KOFOED, A. D., and KLAUSEN, P. S. Field experiments on the use of increasing amounts of nitrogenous fertilizers on farmyard-manured and non-farmyard-manured land. (Da) *Tidskr. f. Planteavl* 68(1):23-58. 1964. 11 T439  
English summary.
- 101982 KROTH, E. M., and COLYER, D. Response of corn to nitrogen fertilization and plant population, Missouri tests, 1963. *Mo. Agr. Expt. Sta. Spec. Rpt.* 36,15 p. Mar.1964. 100 M693Sp
- 101983 KU, Y. S. A discussion of green manures and phosphorus fertilizers. (Ch) *Nongye Jishu* 11:21. Nov.1962. 22.5 N929
- 101984 KUANG-TUNG SHENG HSIN-KAI HSIEN NUNG YEY CHU. Experiments with ammonium sulfate used on double crop late rice. (Ch) *Nongye Jishu* 8:14-15. Aug.1963. 22.5 N929
- 101985 KUT'KO, L. F., MEL'NIK, M. YA, and POLESKO, YU. A. The effect of fertilizers on soil microorganisms and yields of grape. (Rus) *Agrobiologiya* 2:265-270. Mar./Apr.1964. 20 Ag822  
Chiefly organic and mineral fertilizers.
- 101986 LAINE, T. Investigations on the time to fertilize pastures with nitrogen. (Ge) *Europe. Conf. Forage Prod. Natur. Grassland Mountain Reg. Proc.*, 1962 Conf.:149-154. 1963. 60.19 Eu72  
English summary.
- 101987 LAPUSAN, A., and SIMIONESCU, I. The influence of some fertilizers, organic manure and lime on the natural pasture lands of the Cluj Region. (Rum) *Cluj. Inst. Agron. "Dr. Petru Groza." Lucrari Sti.* 19:157-165. Ref. 1964. 21 C622  
English summary.
- 101988 LE POIDEVIN, N., and ROBINSON, L. A. Foliar analysis procedures as employed on the Booker Group of Sugar Estates in British Guiana. *Fertilite* 21:3-17. Feb./Mar.1964. 57.8 F4122
- 101989 LI, T. T. The use of green manures on ramie. (Ch) *Nongye Jishu* 10:30-31. Oct.1963. 22.5 N929
- 101990 LINDER, H. Fertilizing of meadows. (Sw) *Svensk Valltidskr.* 3(1):26-30. 1964. 60.8 Sv22
- 101991 LU, J. K., YU, T. J., and YAO, W. H. The influence of liming on the effectiveness of phosphorus fertilizers in Red soil. 24 p. Ref. Transl. 13995  
Wheat and beans.  
Translation from T'u-jang Hsueh-pao July 1956:143-157.
- 101992 LUNG, P. N. Soybeans and phosphorus fertilizers. (Ch) *Nongye Jishu* 5:16. May 1963. 22.5 N929
- 101993 MCALLISTER, J. S. V., and MCCONAGHY, S. The effects of nitrogen on the growth of barley in Northern Ireland. I. Effects of variations in the level of applied nitrogen on yield and on the nitrogen content of grain. *North. Ireland. Min. Agr. Res. & Expt. Rec.* 12(2):113-122. 1962, pub.1964. 10 N81R
- 101994 MCLEAN, E. O., and WHEELER, R. W. Partially acidulated rock phosphate as a source of phosphorus to plants. I. Growth chamber studies. *Soil Sci. Soc. Amer. Proc.* 28(4):545-550. Ref. July/Aug.1964. 56.9 So3  
Effects on yields and phosphorus uptake of German millet, alfalfa and corn.
- 101995 MACLEOD, L. B., and BRADFELD, R. Greenhouse evaluation of the relative importance of lime and potassium for the establishment and maintenance of alfalfa and orchardgrass seedlings. *Agron. J.* 56(4):381-386. Ref. July/Aug.1964. 4 Am34P
- 101996 MANSSON, B. Fall or spring fertilizing with phosphorus and potassium? (Sw) *Centstyr. f. Malmohus Lans Forsoks- och Vaxtskyddsringar. Meddel.* 30:91-94. 1963, pub.1964. 64.9 C332  
Sugar beets.
- 101997 MARK, A., WILEN, L., and SANDSTROM, L. Aktuella forsoksresultat fran ostra Mellansverige. VII. [Results of current research in eastern middle Sweden]. Uppsala. Lantbrukshögsk. Aktuell Lantbrukshögsk. 34,33 p. 1964. 11 Up62A  
NPK-godselmedel til varsad [NPK-fertilizing of grain crops] 1960-1962. Kvave till vallar och strasad [Nitrogen for meadows and grain].
- 101998 MIKKELSEN, D. S., GOLDEN, W. G., and INGEB RETSEN, K. Response of rice to iron compounds on alkali soils. *Rice J.* 67(7):64-65. June 30,1964. 59.8 R36  
In California
- 101999 MORGAN, N. D., and PLANT, A. N. Ask the plant in the field. *Better Crops Plant Food* 47(3):18-24. May/June 1964. 6 B46  
Foliar diagnosis.
- 102000 NAGY, Z. Results obtained by different methods of applying mineral fertilizers in sugar beet cultures. (Rum) *Cluj. Inst. Agron. "Dr. Petru Groza." Lucrari Sti.* 19:113-121. Ref. 1964. 21 C622  
English summary.
- 102001 NAIDIN, P. G. Principles of fertilizer application. (Rus) *Zemledelie* 4:44-52. Apr.1964. 20 Z44
- 102002 NEIKOVA-BOCHEVA, E., and KLEVTSOV, V. Fertilizer effect of "cooled" nitrophoska. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv.* 6:175-178. 1963. 56.9 So2  
English summary.  
Oats and sugar beets.
- 102003 NILSSON, F. A summary of trials with hay fields. (Sw) *Centstyr. f. Malmohus Lans Forsoks- och Vaxtskyddsringar. Meddel.* 30:54-55. 1963, pub.1964. 64.9 C332  
Nitrogen fertilizing.
- 102004 NILSSON, F. A summary of trials with urea for fall rape. (Sw) *Centstyr. f. Malmohus Lans Forsoks- och Vaxtskyddsringar. Meddel.* 30:51. 1963, pub.1964. 64.9 C332
- 102005 NILSSON, F. Urea or ammonium sulfate for food potatoes?—A summary of the 1963 trials. (Sw) *Centstyr. f. Malmohus Lans Forsoks- och Vaxtskyddsringar. Meddel.* 30:17. 1963, pub.1964. 64.9 C332

- 102006 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Manuring of farm crops. North. Ireland. Min. Agr. L. 86,10 p. May 1964. 10 N81
- 102007 OL'SHANSKII, M. A. Effective utilization of fertilizers. (Rus) *Agrobiologiya* 2:164-168. Mar./Apr. 1964. 20 Ag822  
Effect on field crops yields.
- 102008 ONIANI, O. T. Diagnosis of the potassium fertilizer requirements of the tea plant. *Fertilite* 21:20-23. Feb./Mar. 1964. 57.8 F4122
- 102009 PATNAIK, B. P., and FAROOQUI, M. M. Effect of N singly and in combination with  $P_2O_5$  and  $K_2O$  in brinjal [*Solanum melongena* L.]. *I. Fert. News* 9(7):21-26. Ref. July 1964. 57.8 F4123
- 102010 PEREZ-SALAS, J. Development of our agriculture. (Sp) *Cult. Mod.* 47(2):55. Feb. 1964. 15 C89  
Fertilizers.
- 102011 PEREZ-SALAS, J. Importance of lime in fertilizing. (Sp) *Cult. Mod.* 47(1):7. Jan. 1964. 15 C89
- 102012 PETERBURGSKII, A. Use of chemicals in agriculture leads to high yields. (Rus) *Mezh-dunarod. Sel'skokhoz. Zhur.* 3:36-40. 1964. 20 M57  
Chiefly mineral fertilizers.
- 102013 PETERSON, F. J. Rice fertilization. *Rice J.* 67(7):35. June 30, 1964. 59.8 R36  
In Louisiana.
- 102014 PETROVA, L. I. Skillful application of potassium fertilizers. (Rus) *Len i Konoplya* 6:16-17. 1964. 73.8 L542  
Flax.
- 102015 PLACE, G. A. Phosphorus fertility studies. *Rice J.* 67(7):13-14. June 30, 1964. 59.8 R36
- 102016 POCHON, J. Fertility in its relations with humification and soil conservation. (Fr) *Microbiol. Espan.* 16(2):123-129. Apr./June 1963. 448.3 M583
- 102017 POPOVA, I. M., PRISHCHEPA, A. G., and KUZ'KO, L. F. The effectiveness of fertilizers on irrigated lands of Southern Ukraine. (Rus) *Zemledelie* 4:62-66. Apr. 1964. 20 Z44  
Effects on yields of field crops.
- 102018 POPOVIC, Z. Carbamide, a fertilizer commonly found on the market. (Se) *Agrohemija* 12:775-787. Ref. 1963. 385 Ag87
- 102019 POTTER, C. H. Annuals for cut flowers. 3. Soil preparation for pot, soil and field growing. *Florists' Rev.* 134(3483):19,61-62. Aug. 27, 1964. 80 W41  
Fertilizers and tillage.
- 102020 PUSTYGIN, A. Proper utilization of fertilizers. (Rus) *Zemledelie* 3:75-77. Mar. 1964. 20 Z44  
Date and method of application.
- 102021 QUADE, J. Kind of distribution and area production in fertilizer application. (Ge) *Mitt. der Deut. Landwirt.-Gesell.* 79(26):947-949. June 25, 1964. 18 N39
- 102022 QUIDET, M. Fifteen years of fertilizer trials on apple trees at Baigts-de-Bearn (Basse-Pyrenees). (Fr) *Pomol. Franc. (n.s.)* 5(10):356-360. Nov. 1963. 80 P77
- 102023 RAAVE, L. Use of nitrogen fertilizers for growing orchardgrass. (Es) *Rohumaaviljelus* 3:182-210. 1962. 60.18 R63  
Russian summary.
- 102024 RAJPUT, C. B. S. How to place fertilisers. *Fert. News* 9(7):16. July 1964. 57.8 F4123
- 102025 REBOUR, H. Foliar diagnosis. (Fr) *Arboricult. Fruitiere* 11(125/126):10-11. July/Aug. 1964. 80 Ar13
- 102026 RODRIGO, D. M. Prediction of the quantity of fertilizer phosphorus to be applied and the yield response to be expected by analysing the soil for available phosphorus. I. Pot experiment. *Trop. Agr. [Peradeniya]* 118(2):73-85. Ref. Jan. 1964. 26 T751  
Rice.
- 102027 RUSH, G. E. Results of 1963 petiole analysis program. *Sugar Beet* 16(40):14-16. Summer 1964. 66.8 Su34B
- 102028 SAGNIER, E. Uses of the field. (Sp) *Cult. Mod.* 47(3):91-92. Mar. 1964. 15 C89  
Fertilizing in Spain.
- 102029 SAJNANI, B. T., DHYANI, K. C., and SINGH, A. N. Effect of placement of fertilizers in plough furrow and broadcasting versus present method of cultivation. *Indian Tobacco* 14(1):11-14. Jan./Mar. 1964. 69.8 In2
- 102030 SALAJAN, G., LUCA, A., and SIMIONESCU, I. The effect of the chaff, fresh and decayed farm manure on corn and wheat productivity on the podzolic soils of Huedin. (Rum) *Cluj. Inst. Agron. "Dr. Petru Groza."* *Lucrari Sti.* 19:149-156. 1964. 21 C622  
English summary.
- 102031 SAMOILA, Z. A., and STOICA, V. Increasing the production of the natural pastures in the Banat district. (Rum) *Rev. de Zooteh. si Med. Vet.* 14(2):13-22. Feb. 1964. 49 P943  
English summary.  
With fertilizers.
- 102032 SANDERS, M. B. Cover crops for Kenya sisal. *Kenya Sisal Bd. B.* 49:17-19, 21, 23. July 1964. 73.29 K42
- 102033 SANDHU, K. S., KANG, U. S., and DHESI, N. S. Fertilisers and plant spacings for growing turnips in Punjab. *Fert. News* 9(6):13-15. June 1964. 57.8 F4123
- 102034 SCHMIDT, G., and others. Urea on different soils of the Orange Free State. *Farming So. Africa* 40(3):48. June 1964. 24 So842  
U. Schmidt, C. F. Van der Linde, and H. B. Van der Merwe, joint authors.
- 102035 SCHMIDT, K. A literature review on the present situation of straw fertilizing. (Ge) *Z. f. Landwirt. Vers. u. Untersuchw.* 10(1):5-20. Ref. 1964. 18 Z32  
English summary.
- 102036 SCHROEDER, D. Agricultural chemistry and advancement. (Ge) *Ernahr.-Umschau* 11(6):151-152. June 1964. 389.8 Er66  
Fertilizing for increased food production.
- 102037 SHENG, C. Y. Crop response to nitrogen in Taiwan. *Soils & Fert. Taiwan* 1962:20-31. Ref. 1963. 56.8 So37
- 102038 SHENG, C. Y. Study of adequate fertilization and possible yield increases of miscellaneous crops in Taiwan. (Ch) *J. Agr. & Forestry* 12:353-374. Ref. Oct. 1963. 22.5 J823  
English summary.
- 102039 SHEPEL'SKII, A. I. Fertilizers as an important factor in the increase of fruit culture. (Rus) *Sadovodstvo* 7:11-12. July 1964. 80 Sa13  
Chiefly effects of mineral fertilizers on apple yields.
- 102040 SHUKLA, G. K., and JAIN, N. K. Optimal level of nitrogen for jute on non-acid soils of Bihar. *Jute B.* 27(3):53-57. June 1964. 73.38 In2
- 102041 SILVESTRI, G., and PORCU, S. Aspects of fertilizing tomatoes for industry. (It) *Prog. Agr. [Bologna]* 10(5):481-488. May 1964. 58.8 P94
- 102042 SIMIONESCU, I., and others. The effect of lime and fertilizers on different soil types in the Cluj and Maramures Region. (Rum) *Cluj. Inst. Agron. "Dr. Petru Groza."* *Lucrari Sti.* 19:135-148. Ref. 1964. 21 C622  
I. Bretan, I. Bilas, and L. Stoicovici, joint authors.  
English summary.
- 102043 SIMS, J. L. Nitrogen fertility studies in rice fields and reservoirs. *Rice J.* 67(7):11,13. June 30, 1964. 59.8 R36  
In Arkansas.
- 102044 SINGH, A. Effect of long-term application of organic and inorganic sources of nitrogen on the yield of sugar cane, and on soil fertility. *Empire J. Expt. Agr.* 32(127):205-210. Ref. July 1964. 10 Em7  
India.
- 102045 SINGH, S. P., SHARMA, S. M., and TIWARI, K. P. Increase your wheat yields with balanced fertiliser use. *Fert. News* 9(6):9-12. June 1964. 57.8 F4123



- 102046 SMIRNOV, A. From fertilizers-maximal effect. (Rus) *Kommunist* 17:93-96. Nov.1963. 280.8 B633  
Use of mineral fertilizers in USSR.
- 102047 SMIRNOV, A. V. Lacustrine sapropels and their use in agriculture. (Rus) *Gidrotekh. i Melior.* 5:37-39. May 1964. 290.8 G362  
As fertilizers and in feeds.
- 102048 SOKOLOV, A. V. Agrochemistry and agriculture. (Rus) *Akad. Nauk SSSR. Vest.* 1:10-15. Jan.1964. 511 Ak14V  
On proper use of mineral fertilizers.
- 102049 SOROKO, N. Chemistry in agriculture of Sweden. (Rus) *Ekon. Sel'sk. Khoz.* 4:108-114. Apr.1964. 281.8 So73  
Chiefly use of fertilizers.
- 102050 SPIVAKOVSKII, N. D. The application of fertilizers in orchards of non-Chernozem soils. (Rus) *Sadovodstvo* 5:16-17. May 1964. 80 Sa13
- 102051 STAUBER, S., and MILLER, F. Corn yield response to nitrogen fertilization and irrigation in southeastern Missouri, 1963. *Mo. Agr. Expt. Sta. Spec. Rpt.* 39,11 p. Apr.1964. 100 M693Sp  
U. S. Dept. of Agriculture, cooperating.
- 102052 SWAMINATHAN, K. Partial substitution of the potassium requirement of Indian potato varieties with sodium. *Indian Potato J.* 5(2):59-64. Ref. Oct.1963. 75.8 In2
- 102053 TAMBAD, S. B. Least cost combination of fertilizers for sugarcane-an application of linear programming technique. *Agr. Situation India* 18(12):861-864. Mar.1964. 281.9 In23
- 102054 THOMAS, J. R. Availability of residual phosphorus as measured by alfalfa yields, phosphorus uptake, and soil analysis. *Soil Sci.* 98(2):78-84. Ref. Aug.1964. 56.8 So3
- 102055 THOMPSON, W. R., and WARD, C. Y. A comparison of nitrogen sources for turfgrasses. *Miss. Agr. Expt. Sta. Inform. Sheet* 839,1 p. Mar.1964. 100 M69In  
Effects of cottonseed meal, ammonium nitrate and an activated sewage sludge on Bermuda-grass.
- 102056 THORNTON, I. The effect of fertilizers on the uptake of nitrogen, phosphorus, and potassium by the groundnut. *Empire J. Expt. Agr.* 32 (127):235-240. Ref. July 1964. 10 Em7  
Africa.
- 102057 TODOROVA, B. Efficiency of farmyard manure in combination with superphosphate. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv.* 6:167-173. Ref. 1963. 56.9 So2  
English summary.  
Field crop yields.
- 102058 TOOMRE, R. Methods of introducing organic fertilizers on cultivated pastures. (Es) *Rohumaaviljelus* 3:130-151. 1962. 60.18 R63  
Russian summary.
- 102059 TRZCINSKI, T. Control and diagnosis of the nutrition of fruit trees by foliar analysis. (Fr) *Pepinieristes Hort. Maraichers* 41:1641-1646. Nov.1963. 80 P39
- 102060 TURNER, D. O. Skamania County outlying testing results on alfalfa fertilization, 1959-1962. *Wash. State U. Agr. Ext. Ext. Mimeo.* 2292,8 p.,map. Apr.1963. 275.29 W27Mi  
Yields.
- 102061 UNAMBA-OPARAH, I. Studies on the nutrient status of two soils in south-eastern Nigeria. (Ge) *Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed.* 2:53-69. Ref. 1963. 26 L53  
English summary.
- 102062 VAN WIJK, C. L. Choosing a tobacco soil. *Queensland Agr. J.* 90(5):262-265. May 1964. 23 Q33
- 102063 VASIU, V. Fertilizing the pastures and hayfields. (Rum) *Rev. de Zooteh. si Med. Vet.* 13 (11):16-23. Nov.1963. 49 P943  
English summary.
- 102064 VLASYUK, P. A. Concentrated and mixed fertilizers. (Rus) *Priroda [Moscow]* 5:59-63. 1964. 410 P933  
Effects on yields.
- 102065 WANG, F. H. Planting green manures for the improvement of alkali soils. (Ch) *Nongye Jishu* 12:5-6. Dec.1962. 22.5 N929
- 102066 WANG, T. C. A discussion of the economic application of fertilizers to cotton. (Ch) *Nongye Jishu* 5:2-4. May 1963. 22.5 N929
- 102067 WARD, C. Y., and MEREDITH, W. R. Nitrogen fertilization of Johnsongrass will pay big dividends. *Miss. Agr. Expt. Sta. Inform. Sheet* 843, 2 p. Mar.1964. 100 M69In
- 102068 WEBSTER, A. B. Fertilisers for vegetable crops; placement important in efficient use. *New Zeal. J. Agr.* 109(1):12. July 15,1964. 23 N48J  
Nitrogen, phosphorus, and potassium.
- 102069 WELDON, M. D. Lime comes first! *Nebr. Dep. Agr. Econ. Develop. Annu. Rep.* 1962/63:3-7, map. 57.9 N27
- 102070 WHITCOMB, R. R. For service complete-dry bulk blending and liquid. *Pacific Northwest Fert. Bulk Blending Symp. Proc., 1963 Symp.* 53-56. 57.9 P112  
Chiefly field crop fertilizing in Washington.
- 102071 WILLIAMS, W. A. Use of farm-grown organic sources of nitrogen. *Rice J.* 67(7):68. June 30,1964. 59.8 R36  
Vetch and peas as green manures.
- 102072 YALE, J. W., and CREASON, K. C. Leaf analysis shows nutrient levels in citrus trees. *West. Fruit Grower* 17(8):14-15. Aug.1963. 95.8 G762
- 102073 YANG, P. L. The effect of compost on the yield of rice. (Ch) *J. Agr. & Forestry* 12:262-270. Oct.1963. 22.5 J823  
English summary.
- 102074 YAROVENKO, G. I., and others. Methods of application of nitrogen fertilizers at the inter-row irrigation. (Rus) *Khlopkovodstvo* 5:18-20. May 1964. 72.8 K522  
E. V. Melen'eva, G. P. Pershin, and K. M. Raz'ikov, joint authors.  
Cotton.
- 102075 YEH, C. F. The technique for planting *Astragalus sinicus* in a Red soil orange orchard. (Ch) *Nongye Jishu* 10:12-13. Oct.1963. 22.5 N929  
Green manure.
- 102076 ZONNCHEN, E. Considerations on new procedures in mineral fertilizing. (Ge) *Deut. Landwirt.* 15(6):274-278, map. June 1964. 18 D4822
- 102077 ZURN, F. The effect of lime with alkaline fertilizers on the yield of pastures. (Ge) *Europe. Conf. Forage Prod. Natur. Grassland Mountain Reg. Proc., 1962 Conf.* 137-147. 1963. 60.19 Eu72  
English summary.  
Germany.

#### Soil Tilth and Tillage

- 102078 AAMODT, H. Deep plowing of stratified sandy soil in Sel in Gudbrandsdal, 1963. (No) *Ny Jord* 51(2):36-46, map. Apr.1964. 282.28 N98
- 102079 BARUA, B. L. Cultivation methods of potato in the Khasi hills of Assam. *Indian Potato J.* 5(2):101-102. Oct.1963. 75.8 In2  
Tillage.
- 102080 CHRISTEN, F. L. Hardpan soil and hot summers. *Org. Gard. & Farming* 11(9):24-27. Sept.1964. 57.8 Or32  
Tillage.
- 102081 COCHRAN, B. J., and others. The effects of a petroleum mulch on the growth and development of cotton. *Tex. Agr. Expt. Sta. Prog. Rpt.* 2312,12 p. June 9,1964. 100 T31P  
L. H. Wilkes, G. A. Niles, D. I. Dudley, and E. L. Thaxton, joint authors.
- 102082 DAWLEY, W. K. Methods of handling combine residue. *Saskatchewan. U. Farm & Home Week Addresses & Proc.* 1964:25-28,30. 101 Sa72
- 102083 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Tillage and seedling practices and machines for crop production in semi-arid areas. *Food Agr. Organ. U.N. Land Water Develop. Div. Inform. Working Bull.* 8, rev., 31 p. Ref. [1963?] 290.9 F732

- 102084 GEDYMIN, A. V., and POBEDINTSEVA, I. G. Studies of the effect of long plowing on properties of common Chernozem soils. (Rus) *Pochvovedenie* 5:35-46. May 1964. 57.8 P34
- 102085 HORVATH, S. Preparation of grape soil on shifting sand. (Hu) Budapest. Szolesz. Kutato Intezet. Kutatasi Eredmenyei 2:29-30. 1963. 95.9 B85S
- 102086 HSU, S. L. Turning over alkali soils. (Ch) *Nongye Jishu* 12:7. Dec.1962. 22.5 N929
- 102087 HUDSON, N. W. The effect of ploughing methods on the slope of the land between ridges. Rhodesia Agr. J. 61(3):42-43,53. May/June 1964. 23 R34  
Southern Rhodesia.
- 102088 IVANOV, P. K., and GRIGOR'EV. Fundamental tillage of irrigated Chestnut soils. (Rus) *Vest. Sel'skokhoz. Nauki [Moscow]* 2:56-58. Feb. 1964. 20 V633  
English summary.  
Effects on soil moisture and quantity of weeds.
- 102089 KLEEV, M., and SHCHEPETKOV, N. Preharvest soil cultivation and planting dates for sugar beets. (Rus) *Sel'sk. Khoz. Kazakhstana* 5:30-32. 1964. 20 K185
- 102090 KOPYTIN, I. P. Tillage of irrigated soils under catch crops. (Rus) *Zemledelie* 3:50-52. Mar.1964. 20 Z44  
Effect on weeds and yields.
- 102091 KRUPP, G. Industrial-scale stubble crop tillage—more feed at little cost. (Ge) *Wiss.-Tech. Fortschr. f. die Landwirt.* 5(6):283-285. June 1964. 18 W763  
Minimum tillage or combined tillage, seedbed preparation, and drilling.
- 102092 LARPES, G. Early and weed harrowing on clay soils. (Fi) Finland. Maatalouden Tutkimuskus. Maatalous ja Koet. 18:25-31. 1964. 64.9 F49  
English summary.
- 102093 MILANOV, B. Study on the effect of fall plowing on the growth and yield of apple. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Ovoshtarstvo. Izv.* 5:33-40. Ref. 1963. 86 G16  
German summary.
- 102094 PANDE, H. K., and BHAN, V. M. Effect of varying degree of soil manipulation on yield of upland paddy (*Oryza sativa*) and on associated weeds. *Canad. J. Plant Sci.* 44(4):376-380. July 1964. 450 C16  
India.
- 102095 PAVLOV, K., and others. Studies on the basic cultivation of leached Chernozem-Smonitza in the district of Sofia. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv.* 8:5-117. Ref. 1963. 56.9 So2  
A. Ivanov, F. Todorov, N. Mitreva, B. Kolcheva, I. Kolev, V. Nikolova, T. Totev, and K. Popov, joint authors.  
English summary.  
Plowing methods studies.
- 102096 PEETERS, L. Tillage & fertilizing of witloof. (Fl) *Tuinbouwberichten* 28(3):102-103. Mar. 1964. 80 T817
- 102097 RAMIG, R. E., and MAZURAK, A. P. Wheat stubble management. I. Influence on some physical properties of a Chernozem soil. *Soil Sci. Soc. Amer. Proc.* 28(4):554-557. July/Aug. 1964. 56.9 So3
- 102098 READ, D. W. L., and ASHFORD, R. Further study on the effect of a white surface mulch on growth of sweet clover in the greenhouse. *Canad. J. Plant Sci.* 44(4):384-385. July 1964. 450 C16  
Polystyrene.
- 102099 URIBE C., G. Use of dead covering in crops of African palms. (Sp) *Agr. Trop.* 20(1):39-41. Jan.1964. 26 Ag8  
Mulches.
- 102100 UTEI, I. V., and others. Increasing vigor of the arable layer. (Rus) *Zemledelie* 12:48-55. Dec.1963. 20 Z44  
A. A. Ziganshin, A. L. Negoroshkov, and V. S. Ziganshina, joint authors.  
Effect of different methods of plowing on soil fertility.
- 102101 VOLODARSKII, N. I. Tillage in Sweden. (Rus) *Zemledelie* 4:90-96. Apr.1964. 20 Z44
- 102102 WANG, H. K. The winter tillage and fertilizer application for tea. (Ch) *Nongye Jishu* 11:22. Nov.1963. 22.5 N929
- 102103 WILSON, R. G. Ploughing buffel seedbeds on hard soils. *Queensland Agr. J.* 90(5):286-288. May 1964. 23 Q33
- 102104 YAKOVLEV, N. N., and others. Droughts in the USSR and their control in the light of agricultural meteorology. (Rus) *Zemledelie* 3:14-20. Mar.1964. 20 Z44  
A. M. Alpat'ev, E. V. Bessonova, and A. I. Rudenko, joint authors.  
Stubble-mulch tillage for moisture conservation and irrigation.

#### Drainage, Irrigation, Water Supply, and Flood Control

- 102105 EL ABEDINE, A. Z., BASSILY, G., and EL AASAR, S. The effect of conventional and controlled irrigation on cotton plant growth and yield with reference to soil moisture changes and related physical properties in Cairo University Farm, Giza, U.A.R. *J. Soil Sci. United Arab Repub.* 2(1):25-52. Ref. 1962. 56.8 J825
- 102106 AKHMEDSAFIN, U. M. Prognostic charts of artesian and underground waters of Kazakhstan. (Rus) *Akad. Nauk SSSR. Vet.* 10:47-51. Oct. 1963. 511 Ak14V  
Includes use for irrigation.
- 102107 ALEKSEEVSKII, E. E. Outlook for the development of irrigated farming. (Rus) *Zemledelie* 3:10-13. Mar.1964. 20 Z44
- 102108 ANTONIU, R., POPA, M., and WISNER, M. Conclusions drawn from the investigation carried out during the period 1960-1962 regarding the conditions of using sewage for irrigation. (Rum) *Met. Hidrol. si Gospodariea Apelor* 8(2):61-72, map. Ref. 1963. 345 M562  
English summary.
- 102109 BAGROV, M. N. Irrigation in lower Volga area. (Rus) *Zemledelie* 3:34-38. Mar.1964. 20 Z44
- 102110 BATALLER, A. New agriculture in the Valencian South. (Sp) *Cult. Mod.* 47(2):54-55. Feb. 1964. 15 C89  
Irrigation.
- 102111 BENNETT, O. L., DOSS, B. D., and ASHLEY, D. A. Cotton irrigation in southeastern United States. U. S. D. A. Agr. Inform. B. 282, 16 p. Ref. June 1964. 1 Ag84Ab  
Alabama Agricultural Experiment Station, cooperating.
- 102112 BENZ, L. C., and others. Microrelief influences in a saline area of ancient glacial Lake Agassiz. II. On shallow ground water. *Soil Sci. Soc. Amer. Proc.* 28(4):567-570. Ref. July/Aug.1964. 56.9 So3  
F. M. Sandoval, R. H. Mickelson, and E. J. George, joint authors.
- 102113 BETSON, R. P. What is watershed runoff? *J. Geophys. Res.* 69(8):1541-1552. Ref. Apr.15, 1964. 470 J823
- 102114 BOROVINSKAYA, L. B. Study of the filtration of Volga-Don Canal by changes of potentials of natural electrical field. (Rus) *Pochvovedenie* 5:69-72. May 1964. 57.8 P34  
English summary.  
Includes underground waters.
- 102115 BROSLAW, J. Which kind of pipe? 3. Developments in plastic pipe. *Golf Course Rptr.* 32(6):36-38, 40. June 1964. 60.18 G83  
Turf irrigation equipment.
- 102116 CARTER, D. L., and FANNING, C. D. Combining surface mulches and periodic water applications for reclaiming saline soils. *Soil Sci. Soc. Amer. Proc.* 28(4):564-567. July/Aug.1964. 56.9 So3
- 102117 CHANG, H. C. Irrigation of cotton. (Ch) *Nongye Jishu* 6:2-4. June 1963. 22.5 N929
- 102118 CHANG, H. W. The winter and spring storage of water and irrigation for cotton. (Ch) *Nongye Jishu* 11:9-12. Nov.1962. 22.5 N929



- 102119 CHAO, T. K. The rational use of irrigation machinery. (Ch) Nongye Jishu 5:33-34. May 1963. 22.5 N929
- 102120 CHENG, L. T. The experience of the Szechuan peasants in raising the field production of low moisture fields. (Ch) Nongye Jishu 11:2-5. Nov. 1963. 22.5 N929  
Irrigation.
- 102121 CHERKASOV, S. A. Fruit irrigation in the Moscow area. (Rus) Sadovodstvo 7:17-18. July 1964. 80 Sa13
- 102122 CH'IU, I. P., A survey of the protective powers of storing water in the winter in the rice paddies in Szechuan Province. (Ch) Chung Kuo Nung Pao 11(271):21-25. Nov. 1963. 22.5 C473
- 102123 CH'IU, K. J. A discussion of the spring irrigation problem of grain in the Hsu-huai area. (Ch) Chung Kuo Nung Pao 3:18-22. Mar. 1963. 22.5 C473
- 102124 CHOU, C. C., and LUNG, P. N. Watering soybeans in the fall. (Ch) Nongye Jishu 8:21. Aug. 1963. 22.5 N929
- 102125 CHOU, C. H. and WANG, H. J. Improved utilization of soaked field soils in the Li-hsia-ho area of Kiangsu. (Ch) Chung Kuo Nung Pao 11(271):26-29. Nov. 1963. 22.5 C473  
Rice irrigation.
- 102126 CHRISTOPOULOS, C., and LIAKOPOULOS, A. A method for frequency analysis of rainfall and runoff data. Internatl. Assoc. Sci. Hydrol. B. 8(4):59-70. Dec. 1963. 292.9 As7  
Greece.
- 102127 CHU, Y. How does the centrifugal pump work. (Ch) Nongye Jishu 5:35-36. May 1963. 22.5 N929
- 102128 CHUN, R. Y. D., MITCHELL, L. R., and MIDO, K. W. Ground-water management for the nation's future—optimum conjunctive operation of ground-waters basins. Amer. Soc. Civ. Engin. J. 90(HY4,proc.paper 3965):79-95. July 1964. 290.9 Am3Ps  
Use of computers.
- 102129 CHURIKOV, I. I. Irrigation of rice on saline soils of Ciscasian depression. (Rus) Gidrotekh. i Melior. 4:34-38. Apr. 1964. 290.8 G362
- 102130 CITU, D. Experience of some collective farms of the Bucharest Region in irrigated lucerne cultivation and utilization. (Rum) Prob. Econ. [Bucharest] 17(7):121-127. July 1964. 280.8 P947
- 102131 CLYMA, W. Artificial groundwater recharge by a multiple-purpose well. Tex. Agr. Expt. Sta. MP-712,7 p. May 1964. 100 T31M  
U. S. Dept. of Agriculture, cooperating.
- 102132 CULL, J. K. Water spreading at "Lanherne." Queensland Agr. J. 90(7):389-393. July 1964. 23 Q33
- 102133 DANIYALOV, A. Irrigation raised sharply agriculture of Dagestan. (Rus) Ekon. Sel'sk. Khoz. 4:25-29. Apr. 1964. 281.8 So73
- 102134 DENMARK. STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Experiments with different drainage depth and drainage distance on marshland. (Da) Tidsskr. f. Planteavl 68(1):177-180. 1964. 11 T439
- 102135 DE WET, D. F., and MAREE, W. S. How strong should the irrigation stream be? Farming So. Africa 40(4):25-27. July 1964. 24 So842
- 102136 DE WIEST, R. Analytical evaluation of a proposed ground-water recharge project in the vicinity of Princeton, N. J. In Princeton University Conference. Engineering and world water resources, p.95-103. 1963. 292.9 P93
- 102137 DIAZ VIAL, C. Systems of irrigation used in northern Chile. (Sp) Chile. Dir. de Agr. y Pesca. Agr. Tec. 19/20:206-211. 1959/60, pub. 1963. 464.9 C432B
- 102138 DMITRIEV, V. Lenin and irrigated farming. (Rus) Ekon. Sel'sk. Khoz. 4:12-16. Apr. 1964. 281.8 So73
- 102139 DOLAN, C. H. Which kind of pipe? 1. Asbestos-cement. Golf Course Rptr. 32(6):28,30-32. June 1964. 60.18 G83  
Turf irrigation equipment.
- 102140 DOMINY, F. E. Wake up America! Nat. Reclam. Assoc. Proc., 32d Annu. Mtg.:114-121. 1963. 55.9 N212  
Reclamation needs.
- 102141 DUPUIS, A. Europe's biggest irrigation project. Span 7(2):92-93. 1964. 464.8 Sp2  
France.
- 102142 DZYADEVICH, I. A. Large-scale irrigation in steppe should be put on economically effective basis. (Rus) Gidrotekh. i Melior. 4:49-55. Apr. 1964. 290.8 G362  
Includes rotation of crops and costs and returns.
- 102143 EINSTEIN, H. A. Sediment and the development of water resources. In Princeton University Conference. Engineering and world water resources, p.85-88. 1963. 292.9 P93
- 102144 ELY, N. Legal problems in development of water resources. In Princeton University Conference. Engineering and world water resources, p.89-94. 1963. 292.9 P93
- 102145 ESTEBAN GOMEZ, I. Fertilization of the great Sahara Desert; "mixed hydroponics" system of culture. (Fr) Cahiers des Ingen. Agron. 187:23-29, map. June/July 1964. 14 C112  
Use of sea water to provide irrigation water and fertilizing elements.
- 102146 FARNES, P. E. SCS helps repair land damaged by Montana flood. Soil Conserv. 30(2):41. Sept. 1964. 1.6 So3S
- 102147 FENG, K. S. Mass improvement and utilization of the saline and alkali soil area of the Tientsin area. (Ch) Nongye Jishu 12:2-4. Dec. 1962. 22.5 N929
- 102148 FENG, S. W. The evolution of the drainage system of the Minchin oasis. (Ch) Acta Geog. Sinica 29(3):241-249, map. Sept. 1963. 331.8 T45  
English summary.
- 102149 FERRARI-AGGRADI, M. Improve the land to improve the men. (It) Agricoltura 13(4):17-24. Apr. 1964. 16 Ag8226  
Address upon the occasion of designating Saint Benedict the patron saint of reclamation.
- 102150 FOWLER, L. C. Ground-water management for the nation's future—ground-water basin operation. Amer. Soc. Civ. Engin. J. 90(HY4,proc. paper 3985):51-57. July 1964. 290.9 Am3Ps
- 102151 FRITSCH, C. T. Streams in the desert. In Princeton University Conference. Engineering and world water resources, p.47-54. 1963. 292.9 P93  
In the Negev.
- 102152 FRITZSCHE, O. Rigid PVC [polyvinyl chloride] tube for underground irrigation pipelines. (Ge) Deut. Agrartechn. 14(7):322-323. July 1964. 58.8 D482
- 102153 FUCIK, E. M. The role of the consulting engineer in water resource development overseas. In Princeton University Conference. Engineering and world water resources, p.35-45. 1963. 292.9 P93
- 102154 GEDDES, H. J. Harvesting water for irrigation. Span 7(2):89-91. 1964. 464.8 Sp2
- 102155 GELBOUKH, T. M. Evapotranspiration from overgrown reservoirs. Internatl. Assoc. Sci. Hydrol. B. 8(4):5-9. Dec. 1963. 292.9 As7
- 102156 GERARD, C. J., and COWLEY, W. R. The influence of irrigation and spacing treatments on the production of Rio Grande Valley tomatoes. Rio Grande Val. Hort. Soc. J. 18:82-90. 1964. 81 L95
- 102157 GHILARDI, G. Mountain reclamation in the Alpine zone. (It) Cron. Econ. 250:37-43. Oct. 1963. 280.8 C882
- 102158 GOMEZ HURTADO, A. The State enemy of water. (Sp) Soc. Antioquena de Agr. B. Agr. 525:9419-9421. Mar. 1964. 9.4 Sol  
Waste.
- 102159 GOODLANDS, N. Back to the farm pond. Mother Earth 13(3):208-210. July 1964. 56.8 M85  
Chiefly on water supply for irrigation.
- 102160 GORINSKII, V. N. Review of foreign literature on irrigation. (Rus) Zemledelie 3:81-86. Mar. 1964. 20 Z44

- 102161 GORSKII, A. I., and ZAPOROZHCHENKO, A. L. Irrigation of corn. (Rus) *Zemledelie* 3:28-31. Mar.1964. 20 Z44
- 102162 GREENSHIELDS, E. L. Water has a key role. U. S. D. A. Ybk. Agr. 1964:75-96. 1 Ag84Y  
Irrigation projects around world.
- 102163 GRIGOROV, S., STAMENOV, S., and STAMENOV, M. The effectiveness of small hydromeliorative installations. (Rus) *Mezhdunarod. Sel'skokhoz. Zhur.* 3:48-54. 1964. 20 M57  
Chiefly irrigation reservoirs in Bulgaria.
- 102164 GROUNDWATER management. Natl. Reclam. Assoc. Proc., 32d Annu. Mtg.:32-39. 1963. 55.9 N212  
Panel discussion. Moderator: G. B. Maxey; panel members: T. Moddock, H. O. Banks, W. L. Broadhurst and P. Domenico.
- 102165 GULHATI, N. D. Problems of Indian agriculture. *Irrig. & Power* 21(1):57-65. Jan.1964. 55.9 In222C  
Chiefly irrigation.
- 102165 GUSEV, S. Highly productive excavating machinery for irrigated farming. (Rus) *Mezhdunarod. Sel'skokhoz. Zhur.* 3:54-56. 1964. 20 M57  
Chiefly canals and ditches digging equipment.
- 102167 HARRISON, D. S. Some essentials in planning an irrigation system. *Citrus & Veg. Mag.* 27 (12):19-21. Aug.1964. 80 C498
- 102168 HENDERSON, F. M., and WOODING, R. A. Overland flow and groundwater flow from a steady rainfall of finite duration. *J. Geophys. Res.* 69(8):1531-1540. Apr.15,1964. 470 J823
- 102169 HERPICH, R. L. Water control, tillage and seeding practices and machines for crop production under irrigation. *Food Agr. Organ. U. N. Land Water Develop. Div. Inform. Working Bull.* 7, rev., 50 p. Sept.1963. 290.9 F732  
Irrigation equipment.
- 102170 HSU, C. F., ed. *Kuan kai chi hua yung shui* [Irrigation, drainage and planned water supply]. Peking, Chung-kuo Kung Yeh Ch'u Pan She, 1963. 318 p. 55 H852
- 102171 HUDSON, J. P. Precision irrigation in the Tropics. *Span* 7(2):83-85. 1964. 464.8 Sp2
- 102172 HUGHES, W. F. Some aspects of future agricultural water use. *Tex. Livestock J.* 23(4):9, 44,46. Apr.15,1964. 49 T29
- 102173 ISHIZUKA, Y., and OGATA, S. On the depth of drainage of peat land for its agricultural reclamation. 4. (Ja) *J. Sci. Soil & Manure* 35(2): 37-39. Feb.1964. 56.8 J27
- 102174 JACKS, H. Irrigation problems; some important points explained. *Orchardist New Zeal.* 37(6):199,201. July 1964. 80 Or19
- 102175 JORDAN, L. B. Water rights legislation. *Natl. Reclam. Assoc. Proc.*, 32d Annu. Mtg.:69-81. 1963. 55.9 N212
- 102176 KABAKOV, M. M. Urgent problems of operation of irrigation network. (Rus) *Gidrotekh. i Melior.* 4:39-44. Apr.1964. 290.8 G362
- 102177 KEEFER, G. D., and WARD, D. K. Irrigation characteristics of soils in the Mareeba-Dimbulah area of North Queensland. 3. Infiltration characteristics of three major soil types. *Queensland J. Agr. Sci.* 20(4):437-445. Dec. 1963. 23 Q37
- 102178 KEEFER, G. D. Irrigation characteristics of soils in the Mareeba-Dimbulah area of North Queensland. 4. Infiltration and related data for Nicotine sand. *Queensland J. Agr. Sci.* 20(4): 447-454. Dec.1963. 23 Q37
- 102179 KELLEY, W. P. Maintenance of permanent irrigation agriculture. *Soil Sci.* 98(2):113-117. Aug.1964. 56.8 So3  
Chiefly on the prevention of soil salinization due to high water table through drainage and leaching.
- 102180 KISELEV, M. V. Development of drainage in irrigated area of Bukhara region. (Rus) *Gidrotekh. i Melior.* 5:10-16. May 1964. 290.8 G362
- 102181 KITTOVER, D., PRAGANA, D. L., and IMAZIO, A. Revision of the dams and irrigation policy of the drainage basins. (Por) *Sudene-Bol. Recursos Natur.* 1(1):71-120. Oct./Dec.1963. 279.8 Su7  
English summary.
- 102182 KLATT, F. Results and experience with field irrigation 1963. (Ge) *Deut. Landwirt.* 15(6): 297-300. June 1964. 18 D4822
- 102183 KLIMOV, I. V. Drainage and utilization of swamps in the north. (Rus) *Gidrotekh. i Melior.* 4:56-59. Apr.1964. 290.8 G362  
For field crops.
- 102184 KO, F. Y. From the expression, "tobacco fears a flood." (Ch) *Nongye Jishu* 6:15-16. June 1963. 22.5 N929  
Irrigation of tobacco.
- 102185 KOSTIN, I. S. Experiment with irrigation. (Rus) *Zemledelie* 3:39-40. Mar.1964. 20 Z44
- 102186 KRAMER. Notes on the technique of chemical weed control in ditches. (Ge) *Wiss.-Tech. Fortschr. f. die Landwirt.* 5(5):213-215. May 1964. 18 W763
- 102187 KUKLA, S. Methods of sodding irrigation ditches in the Kuwasy area. (Pol) *Warsaw. Inst. Melior. i Uzytkow Zielonych. Wiad.* 3(3):75-78. 1963. 54.9 W262W
- 102188 KURGANSKI, M. Utilization of waste water from flax factories for irrigation of field crops. (Rus) *Len i Konoplya* 6:37-38. 1964. 73.8 L542  
In Poland.
- 102189 LECHAPT, G. Etude des suppressions dans les reseaux d'irrigation en charge [Study of overpressures in irrigation networks under pressure]. Paris. *Cent. de Rech. et d'Expt. de Genie Rur. B. Tech. du Genie Rur.* 62,47 p. July 1963. 58.9 P21  
English summary.  
Sprinkler systems.
- 102190 LOVEDAY, J. A study of the relationships between the yield of irrigated lucerne and the properties of some Grey and Brown soils of heavy texture in south-west New South Wales. *Austral. J. Soil Res.* 2(1):96-110. Ref. June 1964. 56.8 Au7
- 102191 LUNIN, J., GALLATIN, M. H., and BATCHELDER, A. R. Effects of supplemental irrigation with saline water on soil composition and on yields and cation content of forage crops. *Soil Sci. Soc. Amer. Proc.* 28(4):551-554. July/Aug. 1964. 56.9 So3
- 102192 LYSOGOROV, S. D., and LOMONOSOV, P. I. Drought control in southern steppes of Ukraine. (Rus) *Zemledelie* 3:21-28. Mar.1964. 20 Z44  
Chiefly irrigation, rotation of crops and sub-soiling.
- 102193 MCANDREWS, C. J. Efficiencies of water use development. *Can. Agr. Eng.* 6(1):35-36,45. Ref. Jan.1964. 58.8 C164  
Water supply sources in relation to irrigation.
- 102194 MAIANU, A. Research on secondary salinization of certain dammed-up and irrigated soils of the flood zone of the Danube. (Rum) *Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. Ser. A.* 30:193-213, map. Ref. 1962, pub.1963. 21 R86A  
French summary.
- 102195 MAIANU, A. Study of the process of secondary salinization of soil in rice parcels disposed in terraces: methods of prevention and control. (Rum) *Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. Ser. A.* 30:215-235, map. Ref. 1962, pub.1963. 21 R86A  
French summary.
- 102196 MARIN VILLEGAS, J. Observaciones sobre el consumo de agua por el algodono en la zona de Roza (Palmira) [Observations on the water consumption of cotton plants in the region of Roza (Palmira)]. Bogota. *Inst. Fomento Algodon. Div. Algodon. Bol. Tec.* 2,21 p. Feb.1964. 464.042 B63  
Irrigation.



- 102197 MATSON, A. L. Some factors affecting response of soybeans to irrigation. Soybean Digest 24(10):21. Aug. 1964. 60.38 So9 Missouri.
- 102198 MILLER, W. T. Which kind of pipe? 2. Cast iron. Golf Course Rptr. 32(6):34-35. June 1964. 60.18 G83  
Turf irrigation equipment.
- 102199 MIU, C. Y. The water network of the Su-chou Sung-chiang area and its development. (Ch) Chung Kuo Nung Pao 3:12-17. Mar. 1963. 22.5 C473  
Drainage.
- 102200 MOORE, S. D. Flood irrigation design. II. So. Austral. J. Agr. 67(10):316-321. May 1964. 23 So84
- 102201 MORALES Y FRAILE, E. Economic-social-agricultural significance of the fiftieth anniversary of the first national irrigation meeting. (Sp) Asoc. Nac. de Ingen. Agron. B. 147:31-32. Jan. 1964. 58.9 As5
- 102202 MOREINO, L. YU. Overhead irrigation in Italy; review of articles in Italian newspapers. (Rus) Gidrotekh. i Melior. 5:42-49. May 1964. 290.8 G362  
Equipment.
- 102203 MOSIENKO, N. A. Irrigation in the Kulunda Steppe. (Rus) Zemledelie 3:47-49. Mar. 1964. 20 Z44  
Includes plastic equipment.
- 102204 MOSS, F. E. Trends in reclamation legislation. Natl. Reclam. Assoc. Proc., 32d Annu. Mtg.: 47-55. 1963. 55.9 N212
- 102205 MURZALIEV, G. D., and SHOLTAEV, M. SH. The effective utilization of each hectare of irrigated lands. (Rus) Zemledelie 3:43-47. Mar. 1964. 20 Z44  
Effect on yields of field crops.
- 102206 NAGIEV, G. M., and ALIEV, T. A. Irrigation of corn in Azerbaidzhan SSR. (Rus) Zemledelie 3:59-60. Mar. 1964. 20 Z44
- 102207 NATIONAL RECLAMATION ASSOCIATION. Proceedings, thirty-second annual meeting, Sun Valley, Idaho—October 23-25, 1963. Washington, 1963. 137 p., map. Ref. 55.9 N212
- 102208 NATIONAL RECLAMATION ASSOCIATION. "The voice of the west." Resolutions thirty-second annual meeting, Sun Valley, Idaho—October 25, 1963. Washington, 1963. 18 p. 55.9 N212R
- 102209 NEW YORK TEMPORARY STATE COMMISSION ON WATER RESOURCES PLANNING. Progress report, 1964. Albany, 1964. (Legislative Document (1964) No. 15) 292.9 N485
- 102210 OBREJANU, G., and others. Research on the complex of measures necessary to improvement of a secondarily salinized soil of the Danube flood zone, with a view to rice culture. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An. Ser. A, 30:237-248. Ref. 1962, pub. 1963. 21 R86A  
I. Albescu, A. Maianu, V. Pasa, I. Axionova, and A. Melacrinou, joint authors.  
French summary.
- 102211 O'DANIEL, W., LEENDERTZ, B. A contribution to the construction of an irrigation layout with plastic pipes in low stem orchard. (Ge) Erwerbsobstbau 5(12):227-228. Dec. 1963. 80 Er9
- 102212 PERETZ, D. River schemes and their effect on economic development in Jordan, Syria, and Lebanon. Mdl. East J. 18(3):293-305. Summer 1964. 280.8 M585  
Irrigation.
- 102213 PERFONT, G. Improvement of yields by irrigation. (Fr) Agr. Prat. 128(6):17-19. June 1964. 14 J82
- 102214 PETERSON, A. W. The economic impact of irrigation on the State of Washington. Natl. Reclam. Assoc. Proc., 32d Annu. Mtg.: 102-113, map. 1963. 55.9 N212
- 102215 POSTIGLIONE, A. Hydrogeological difficulties in the Sorrento peninsula. (It) Agricoltura 13(2):65-76. Feb. 1964. 16 Ag8226  
Floods and soil conditions.
- 102216 PRINCETON UNIVERSITY CONFERENCE. Engineering and world water resources; papers delivered at the fifty-seventh meeting, May 23 and May 24, 1963. Princeton, N. J., 1963. 103 p., map. Ref. (Princeton Conference Series 35) 292.9 P93
- 102217 REDDELL, D. Depletion of ground water should be a concern of all. Cross Sect. 11(2): 1. July 1964. 292.8 C88  
Texas.
- 102218 RICHARDS, S. J. Turf irrigation based on instruments. Calif. Turfgrass Cult. 8(2):24. Apr./June 1964. 60.18 So8
- 102219 SAIN, K. River basin development of international rivers with special reference to the Lower Mekong Basin. In Princeton University Conference. Engineering and world water resources, p. 55-84, map. Ref. 1963. 292.9 P93
- 102220 SANDU, G., BULAT, N., and PASA, V. The influence of the saline waters of Lake Razelm and neighboring lakes used for irrigation on light Brown steppe soils and on corn culture. (Rum) Bucharest. Inst. Cent. Cercet. Agr. Sect. Pedol. An Ser. A, 30:249-264. 1962, pub. 1963. 21 R86A  
French summary.
- 102221 SARSFIELD, A. C. Which type of irrigation system? Golf Course Rptr. 32(6):20-22, 24, 26, 27. June 1964. 60.18 G83
- 102222 SAXENA, R. P. Going for a pumping set? Indian Farming 14(1):6, 23. Apr. 1964. 22 In283  
For irrigation.
- 102223 SCHMER, F. A. Things to know before contracting for irrigation well construction. S. Dak. State Col. Agr. Ext. F.S. 210, 6 p.-folder. July 1964. 275.29 So85Fs
- 102224 SCHMID, P., and LUTHIN, J. The drainage of sloping lands. J. Geophys. Res. 69(8):1525-1529. Apr. 15, 1964. 470 J823
- 102225 SCHOLZ, A. Recommendations for the practical application of mole drainage on lower moor sites. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(6):262-265. June 1964. 18 W763
- 102226 SCHWARZ, K. Utilization of waste waters for irrigation. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:56-59. 1964. 20 M57  
East Germany.
- 102227 SCOTT, R. S. Limited advantages from drainage of foothill country. New Zeal. J. Agr. 109(1):13-14. July 15, 1964. 23 N48J  
Includes effect of winter grazing.
- 102228 SELSKAPET NY JORD. Report, 1963. (No) Ny Jord 51(2):58-76. Apr. 1964. 282.28 N98
- 102229 SEMIKHNENKO, P. G., and IGNAT'EV, B. K. Irrigated culture of sunflowers. (Rus) Zemledelie 4:73-74. Apr. 1964. 20 Z44
- 102230 SHURAVILIN, A. V. Drainage of swamps in flood-plains of Northern Dvina River. (Rus) Gidrotekh. i Melior. 5:28-36. May 1964. 290.8 G362
- 102231 SIQUEIRA, L. Hydrogeological aspects of Cariri in Parahiba. (Por) Sudene—Bol. Recursos Natur. 1(1):11-44. Oct./Dec. 1963. 279.8 Su7  
English summary.  
Tapping of underground water resources.
- 102232 SKEPPER, A. H. Irrigation needs of fruit trees. Agr. Gaz. N. S. Wales 75(7):1138-1141. July 1964. 23 N472
- 102233 SKOROPANOV, S. G. Norms of drainage and crop patterns. (Rus) Vest. Sel'skokhoz. Nauki [Moscow] 2:27-30. Ref. Feb. 1964. 20 V633  
English summary.  
Peat soils.
- 102234 SMITH, L. P. Climate and the need for irrigation. Span 7(2):86-88. 1964. 464.8 Sp2
- 102235 SPENCER, R. T. The farm home; drainage in the home garden. Agr. Gaz. N. S. Wales 75(6): 1110-1112. June 1964. 23 N472
- 102236 STERN, P., and SARKOZY, P. Hungarian irrigation plans are basis for higher yields. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(5): 218. May 1964. 18 W763

- 102237 STRONG, W. Irrigation: principles and practice. Span 7(2):77-80. Ref. 1964. 464.8 Sp2
- 102238 SUN, C. K., and MAI, C. C. How to take care of flooded orchards. (Ch) Nongye Jishu 11:20-21. Nov.1963. 22.5 N929
- 102239 TEIMUROV, K. G. Leaching sulfate-saturated Solonchak soils with preliminary use of chemicals. (Rus) Khlopkovodstvo 4:44-45. Apr. 1964. 72.8 K522  
Chiefly application of calcium to increase porosity.
- 102240 TENG, C. T. Preserve the moisture in the sugar cane field so as to have vigorous plants. (Ch) Nongye Jishu 10:21. Oct.1963. 22.5 N929  
Irrigation.
- 102241 TORRE, G. On the equation of the section of the hydraulic rebound produced by vertical walls and without increase in depth. (It) Studi Sassaesi. Sez. III, 10:175-186. Ref. 1962, pub. 1963. 507 Sa7Sa  
French summary.  
Irrigation canals.
- 102242 TSENG, K. Lubrication of irrigation equipment. (Ch) Nongye Jishu 5:36-37. May 1963. 22.5 N929
- 102243 TSONEV, I., and KHRISTOV, KH. Mechanization of the irrigation on slopes. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:99-102. 1964. 20 M57  
Bulgaria.
- 102244 TURANSKI, G. F., and LYANNOI, A. D. Irrigation system of grapes. (Rus) Sadovodstvo 7:28-30. July 1964. 80 Sa13
- 102245 TYSON, H. N., and WEBER, E. M. Ground-water management for the nation's future—computer simulation of ground-water basins. Amer. Soc. Civ. Engin. J. 90(HY4,proc.paper 3973):59-77, map. July 1964. 290.9 Am3Ps
- 102246 U. S. NATIONAL BUR. OF STANDARDS. Hydraulic research in the United States. 1964 (including contributions from Canadian laboratories), edited by H. K. Middleton. U. S. Natl. Bur. Standards. Misc. P. 261, 215 p. 157.88 M68  
Includes references to irrigation and drainage, soil erosion, runoff, and underground water.
- 102247 U. S. SOIL CONSERVATION SERV. Water facts; sources, supply, needs, uses, losses, floods, conservation. U. S. D. A. Pa-337, rev., 14 p. May 1964. 1 Ag84Pro
- 102248 VALANTINE, V. E. Ground-water management for the nation's future—effecting optimum ground-water basin management. Amer. Soc. Civ. Engin. J. 90(HY4,proc.paper 3981):97-105. July 1964. 290.9 Am3
- 102249 VOLOBUEV, V. R. General features of changes in salt amounts in the soils of irrigated and reclaimed lands. (Rus) Pochvovedenie 5:47-56. Ref. May 1964. 57.8 P34  
English summary.
- 102250 VOLTZ, C. W. Which kind of pipe? 5. Steel-cement. Golf Course Rptr. 32(6):48. June 1964. 30.18 G83  
Turf irrigation equipment.
- 102251 WALTER, R. J. Which kind of pipe? 4. P. V. C. [Polyvinyl chloride]. Golf Course Rptr. 32(6):42,44,46. June 1964. 30.18 G83  
Turf irrigation equipment.
- 102252 WATER users panel discussion. Natl. Reclam. Assoc. Proc., 32d Annu. Mtg.:90-98. 1963. 55.9 N212  
Chairman: J. R. Barkley; panel members: G. G. Stamm and J. Bingham.
- 102253 WEGMAYR, G. 6 years of experience with mole drainage in Salzburg. (Ge) Forderungsdienst 12(6):197-198. June 1964. 19 F75
- 102254 WERENFELS, F., and others. More irrigations—more cling peaches. West. Fruit Grower 18(8):4-6. Aug.1964. 95.8 G762  
K. Uriu, G. Post, A. Retan, and D. Fox, joint authors.  
California.
- 102255 WET, D. F. DE, and MAREE, W. S. Planning and layout of irrigation beds. Farming So. Africa 40(3):54-58. June 1964. 24 So842
- 102256 WHEATON, R. Z., KIDDER, E. H., and ERICKSON, A. E. Water requirements of potatoes. Mich. Agr. Expt. Sta. Q. B. 46(4):480-487. May 1964. 100 M58S  
Irrigation.
- 102257 WILCOX, J. C., and KORVEN, H. C. Some problems encountered in the use of evaporimeters for scheduling of irrigation. Can. Agr. Eng. 6(1):29-31. Jan.1964. 58.8 C164
- 102258 WHIPPLE, W. Problems of national water resource planning. In Princeton University Conference. Engineering and world water resources, p.1-14. 1963. 292.9 P93
- 102259 WU, C. Y., and LIU, P. S. A simple speedy method for calculating the water capacity of fields. (Ch) Nongye Jishu 6:8-10. June 1963. 22.5 N929  
Irrigation.
- 102260 YAKUBOVICH, L. V. Use of plastics in irrigation and drainage. (Rus) Zemledelie 3:86-92. Mar.1964. 20 Z44
- 102261 YANG, H. C. An introduction of a chart for the calculation of water needed for irrigation. (Ch) Nongye Jishu 6:7-8. June 1963. 22.5 N929

### Erosion and Erosion Control

- 102262 ARMBRUST, D. V., CHEPIL, W. S., and SID-DOWAY, F. H. Effects of ridges on erosion of soil by wind. Soil Sci. Soc. Amer. Proc. 28(4):557-560. July/Aug.1964. 56.9 So3
- 102263 BANK OF NEW SOUTH WALES. Your asset, the soil; conservation for permanent agriculture. Ed. 2. Sydney, 1963. 72 p., map. 56.7 B22Y
- 102264 BERTHOIS, L. Soil erosion in the Loire Basin. (Fr) Acad. d'Agr. de France. Compt. Rend. 50(7):634-640. Apr.22/29,1964. 14 P215Bc
- 102265 BONNET, J. A. Sloping, eroded land converted into profitable sugar cane farm. Sugar J. 27(2):52-53. July 1964. 65.8 Su391  
Puerto Rico.
- 102266 BOWER, C. A., and LUNIN, J. Problems of soil and water. U. S. D. A. Ybk. Agr. 1964:535-542. 1 Ag84Y
- 102267 CARDER, D. J., and SPENCER, G. W. Soil conservation; contour banks must be maintained. West. Austral. Dept. Agr. J. (ser.4)5(4):213-214,217-218,221-222. Apr.1964. 23 W52J
- 102268 CORBEL, J. Soil erosion, a quantitative study; methods, techniques, and results. (Fr) Ann. de Geog. 73(398):385-412. July/Aug.1964. 473 An75
- 102269 DISTRITO DE CONSERVACION DE SUELOS "OESTE." Informe anual [Annual report], 1963. San Juan, 1963. 12 p., map. 56.9 D63
- 102270 GLIMBERG, C. F. On wind erosion in Hemmestorp, Everlov Parish. (Sw) Skanes Nat. 51:94-97, map. 1964. 410 Sk1
- 102271 HAAS, J. A., and STEERS, J. A. An aid to stabilization of sand dunes: experiments at Scott Head Island. Geog. J. 130(2):265-267. June 1964. 472 G29  
Planting.
- 102272 HEYNS, M. L., and DE JAGER, D. G. Control soil erosion by means of stone banks. Farming So. Africa 40(4):64-65. July 1964. 24 So842
- 102273 HILL, M. D. Soil conservation in Alaska; sub-districts bring SCS technical aid to small farming areas of "the Great Land." Soil Conserv. 30(2):33-35. Sept.1964. 1.6 So3S
- 102274 HOCKENSMITH, R. D., and HARRISON, P. Soil conservation, a world movement. U. S. D. A. Ybk. Agr. 1964:69-75. 1 Ag84Y
- 102275 HUDSON, N. W. Field measurements of accelerated soil erosion in localised areas. Rhodesia Agr. J. 61(3):46-47,60. May/June 1964. 23 R34
- 102276 ISGUR, B. Unified conservation planning; Massachusetts brings town and country together in agencies for all resource conservation. Soil Conserv. 30(2):27-29,45, map. Sept.1964. 1.6 So3S



- 102277 LIU, C. K. The special nature of the soil erosion in the limestone area of Tou-an Hsien, Kuansi Province; and views on engineering works to prevent it. (Ch) Lin Yeh K'o Hsueh 8(2/4):354-360. Apr./Oct.1963. 99.8 L632
- 102278 MELVIN, R. E., and BISAL, F. An improved screen for stimulating rainfall. Can. Agr. Eng. 6(1):44. Jan.1964. 58.8 C164  
In relation to raindrop erosion.
- 102279 MILCHEV, M., and DIMITROVA, E. Device for computation of plowed and other step-like terraces, based on the soil depth. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 6:185-192. 1963. 56.9 So2  
English summary.
- 102280 OLIVER, W. B. A shock to Alaska agriculture; earthquake damage spurs landowners to form conservation subdistrict. Soil Conserv. 30(2):30-31. Sept.1964. 1.6 So3S
- 102281 PRATSIDIS, D. Control of soil erosion. FATIS Rev. 11(2):62-64. 1964. 275.249 F26  
Greece.
- 102282 SCHMIDT, B. L., SHRADER, W. D., and MOLDENHAUER, W. C. Relative erodibility of three loess-derived soils in southwestern Iowa. Soil Sci. Soc. Amer. Proc. 28(4):570-574. Ref. July/Aug.1964. 56.9 So3
- 102283 SPENCER, G. W., and CARDER, D. J. Build contour banks with a disc plough. West. Austral. Dept. Agr. J. (ser.4)5(5):278-280,283-285. May 1964. 23 W52J
- 102284 TRASHLIEV, KH., and MILCHEV, M. Effect of surface erosion on the properties of soils and on the yield of some agricultural plantings. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv. 8:213-222. 1963. 56.9 So2  
German summary.  
Grain.
- 102285 WAYTE, M. E. Mining the soil. London, Chatto & Windus, 1963. 63 p.,map. Ref. (Reference Geographies) 56.7 W36
- 102286 WOHLKE, W. Report of a study trip through the southern part of the Soviet Union. (Ge) Erde 95(2):132-139,map. 1964. 474 E1  
Includes soil erosion and agriculture.

#### Sanitation

- 102287 BECKMANN, H., and SCHARPENSEEL, H. W. Release of carbon dioxide from sterilized soils. (Ge) Z. f. Pflanzenernahr. Dungung, Boden. 105(2):102-112. Ref. May 1964. 384 Z343A  
English summary, p.XI.
- 102288 ENO, C. F., and POPENOE, H. Gamma radiation compared with steam and methyl bromide as a soil sterilizing agent. Soil Sci. Soc. Amer. Proc. 28(4):533-535. Ref. July/Aug.1964. 56.9 So3  
Effects on some chemical and physical properties of the soil.
- 102289 KEMPER, A. Experiences in the application of soil fumigation compounds to areas in the field. (Ge) Berlin. Biol. Bundesanst. f. Land- u. Forstwirtschaft. Mitt. 111:50-54. Feb.1964. 410.9 G31M
- 102290 EL-NAWAWY, A. S., and others. Economical studies on algae in Egypt. I. Effect of new isothiouonium derivatives of arylmercaptoalkane carboxylic acids on the paddy soil flora of algae in Egypt. J. Soil Sci. United Arab Repub. 2(1):103-115. Ref. 1962. 56.8 J825  
A. S. El-Nawawy, M. A. El-Fadl, and M. M. Nada, joint authors.

#### MATERIALS FOR SOIL IMPROVEMENT

##### Chemical Fertilizers

- 102291 CHING, H. Ammonium hydrocarbonate. (Ch) Nongye Jishu 5:6-7. May 1963. 22.5 N929
- 102292 T'ANG, C. C. Calcium cyanamide. (Ch) Nongye Jishu 5:5-6. May 1963. 22.5 N929
- 102293 VOLK, G. M. What is ureaform fertilizer nitrogen? Sunshine State Agr. Res. Rpt. [Fla. Sta.] 9(3):22-23. July 1964. 100 F66Su

##### Fertilizer Technology and Statistics

- 102294 ACHORN, F. P. Some liquid and bulk blending fertilizer facilities now in existence. Pacific Northwest Fert. Bulk Blending Symp. Proc., 1963 Symp.:33-46. 57.9 P112
- 102295 AHMAD, K. J. Chemical fertilizer industry in Pakistan. Sci. Ind. 1(2):82-84. Apr.1963. 475 Sci238
- 102296 ALABAMA, DEPT. OF AGRICULTURE AND INDUSTRIES. Fertilizer and fertilizer material. Ala. Dept. Agr. & Indus. Dept. B. 78,122 p. 1962/1963. 2 AL1B  
Analyses and directory.
- 102297 ANALYTICAL symposium: Self-actuated devices and new method; for control. Fert. Soc. Proc. 79,96 p. 1963. 57.9 F41  
Fertilizer technology.  
Includes discussion.
- 102298 ANDERSON, K. L., and THOMPSON, W. R. Facts about fertilizers for profitable farming. Miss. State U. Agr. Ext. P. 510,12 p. May 1964. 275.29 M68Ext  
Includes analysis and composition.
- 102299 BALDWIN, P. L. An automatic sampler for granular materials. Fert. Soc. Proc. 79:5-12. 1963. 57.9 F41
- 102300 BAUR, K. Growth and status of the bulk fertilizer industry in the northwest. Pacific Northwest Fert. Bulk Blending Symp. Proc., 1963 Symp.:1-3. 57.9 P112
- 102301 CAN BULK blended mixes make the grade? Pacific Northwest Fert. Bulk Blending Symp. Proc., 1963 Symp.:57-64. 57.9 P112  
Panel discussion. Moderator: D. Burlingham; panel members: E. Deck and L. Fife.
- 102302 CARISS, H. G. List of registered fertilisers. West. Austral. Dept. Agr. J. (ser.4)5(5):311-315,318-324. May 1964. 23 W52J
- 102303 CHAMPION, C. Ten years of development of the liquid fertilizer market in the U.S.A. (Fr) Agriculture [Paris] 27(268):199-202,map. June 1964. 14 Ag823
- 102304 CHANDLER, E. K. Fertilizer control requirements, industry views, and consumer needs. Assoc. South. Feed, Fert. & Pesticide Control Off. Off. P. 1963/64:75-77. 389.79 As7
- 102305 CHENG, M. C. The storage and application of ammonium nitrate. (Ch) Nongye Jishu 6:11-12. June 1963. 22.5 N929
- 102306 CHU, S. Rapid determination of phosphorus pentoxide in phosphorus ores and fertilizers. (Ch) Huaxue Tongbao 10:60-64. Oct.14,1963. 385 H863
- 102307 DECK, E. Role of the Washington State Department of Agriculture in the control aspect of merchandising bulk blended fertilizers. Pacific Northwest Fert. Bulk Blending Symp. Proc., 1963 Symp.:59-62. 57.9 P112
- 102308 DOCHERTY, A. C. Standard, physical and automatic methods for the analysis of fertilizers. Fert. Soc. Proc. 79:47-65. 1963. 57.9 F41
- 102309 DOELLINGER, H. For specialty fertilizer manufacturers. Assoc. South. Feed, Fert. & Pesticide Control Off. Off. P. 1963/64:70-74. 389.79 As7  
Regulation.
- 102310 ENGBIOUS, J. C. Raw materials for bulk blending and distribution. Pacific Northwest Fert. Bulk Blending Symp. Proc., 1963 Symp.:13-21. 57.9 P112
- 102311 FLORIDA, DEPT. OF AGRICULTURE, INSPECTION DIV. Summary report of fertilizer materials consumed in Florida for fiscal year July 1, 1963-June 30, 1964. Tallahassee, 1964. 23 p.,map. 57.9 F66F
- 102312 FLORIDA, DEPT. OF AGRICULTURE, INSPECTION DIV. Summary report of mixed fertilizers consumed in Florida for fiscal year July 1, 1963-June 30, 1964. Tallahassee, 1964. 79 p.,map. 57.9 F66M
- 102313 GANZ, S. N., LUK'YANITSA, A. I., and BEL'CHINA, L. A. Manufacture of nitrogen-iron fertilizers from waste products of steelmaking industry. (Rus) Zhur. Prikl. Khim. 37(7):1606-1609. July 1964. 385 Z64



- 102314 GANZ, S. N., LUK'YANITSA, A. I., and BEL'-CHINA, L. A. Simultaneous manufacture of nitrogen-iron fertilizers with purification of gases from nitrogen oxides. (Rus) Zhur. Prikl. Khim. 37(7):1609-1611. July 1964. 385 Z64  
From wastes of steelmaking industry.
- 102315 HIGNETT, T. P. Segregation and other problems associated with bulk blending and distribution. Pacific Northwest Fert. Bulk Blending Symp. Proc., 1963 Symp.:23-31. 57.9 P112
- 102316 HIGNETT, T. P. Supplying micronutrients in solid bulk-blended fertilizers. Pacific Northwest Fert. Bulk Blending Symp. Proc., 1963 Symp.:81-86. 57.9 P112
- 102317 HILL, W. L. The need for fertilizers. U. S. D. A. Ybk. Agr. 1964:101-105. 1 Ag84Y  
World statistics.
- 102318 HOFFMAN, W. M., and BREEN, H. J. Phosphate rock classification: phosphate rock solubilization by repeated extractions with citrate solutions. J. Agr. & Food Chem. 12(4):344-346. July/Aug. 1964. 381 J8223
- 102319 HU, H. T., SHIH, Y. C., and KO, Y. C. The production of calcium magnesium phosphate fertilizers by the electrical furnace methods. (Ch) Huaxue Gongye 4:19-22,7. 1964. 385 H862
- 102320 HUANG, S. K. How to assay chemical fertilizers. (Ch) Fu-Chien Nung Yeh Fujian Nongye 2/3:42. Feb. 1963. 22.5 F958
- 102321 IYER, V. R. Agricultural development is key to increased living standards in Far East. Agr. Chem. 19(8):20-22,99-100. Aug. 1964. 381 Ag8  
Outlook for large scale use of fertilizers.
- 102322 KAYO, N. Nihon nogyo no hiryo shohi kozo [Features of fertilizer consumption in Japanese agriculture]. Tokyo, Ochanomizu Shobo, 1964. 197 p. Ref. 57 K18
- 102323 KISSELMANN, E. Development of mineral fertilizing and trends in world fertilizer consumption. (Ge) Chem.-Ztg.-Chem. Apparatur 88(12):495-498. June 20, 1964. 384 C427
- 102324 KNUDSEN, D. The change of fertilizer guarantees from N-P<sub>2</sub>O<sub>5</sub>-K<sub>2</sub>O to N-P-K. Nebr. Dep. Agr. Econ. Develop. Annu. Rep. 1962/63:18-20. 57.9 N27
- 102325 MAGNUSSON, A. Mixed fertilizers. (Ic) Gardyrkjufelag Islands. Arsrit 1963:51-56. 86 Is4
- 102326 MALQUORI, A., and CECCONI, S. Contribution to the study of the components of compound fertilizers. (It) Chim. e l'Indus. 46(6):637-647. June 1964. 385 G43  
English summary.
- 102327 MICRONUTRIENTS and bulk blending. Pacific Northwest Fert. Bulk Blending Symp. Proc., 1963 Symp.:65-86. 57.9 P112  
Panel discussion. Moderator: R. Lipps; panel members: B. R. Bertramson, M. Reed, and T. F. Hignett.
- 102328 MILIKIEN, A. S. Views of farmers relative to fertilizer control, requirements and consumer needs. Assoc. South. Feed, Fert. & Pesticide Control Off. Off. P. 1963/64:78-79. 389.79 As7
- 102329 NEBRASKA. DEPT. OF AGRICULTURE AND ECONOMIC DEVELOPMENT. Annual report of commercial fertilizers, July 1, 1962 to June 30, 1963. Lincoln, 1963. 98 p., map. 57.9 N27
- 102330 NELSON, G. The application of continuous infra red gas analysis to the determination of sulphur dioxide in contact acid plant exit gas. Fert. Soc. Proc. 79:66-88. 1963. 57.9 F41
- 102331 NELSON, G. Rapid analytical control methods in wet process phosphoric acid manufacture. Fert. Soc. Proc. 79:30-46. 1963. 57.9 F41
- 102332 NETHERLANDS. RIJKS LANDBOUWPROEFSTATION VOOR ONDERZOEK VAN MESTSTOFFEN EN VEEVOEDERS. [Testing of fertilizers and feeding stuffs; report of the year 1962]. Maas-tricht, 1964. 72 p. 105.2 M11
- 102333 NEW MEXICO. FEED & FERTILIZER CONTROL OFF. Thirty-fourth annual report, December 31, 1963. University Park, 1964. 38 p., map. 57.9 N46
- 102334 NIKOLASHKIN, A. Ways to improve the methods of price formation for mineral fertilizers. (Rus) Voprosy Ekon. 5:64-74. May 1964. 280.8 V89
- 102335 NUNN, R. F., SRINIVASAN, S. I., and AL-BRIGHT, L. F. Fertilizer technology: ammoniation of triple superphosphate fertilizers with gaseous ammonia and with nitrogen solutions. J. Agr. & Food Chem. 12(4):351-357. July/Aug. 1964. 381 J8223
- 102336 OKLAHOMA. STATE DEPT. OF AGRICULTURE. SEED, FEED & FERTILIZER DIV. Tonnage distribution of fertilizer in Oklahoma counties by grades and material for the period July 1, 1963 to July 1, 1964; annual report. Oklahoma City, 1964. 7 p. 57.9 Ok4D
- 102337 PACIFIC NORTHWEST FERTILIZER BULK BLENDING SYMPOSIUM, BOISE, IDAHO, 1963. Proceedings. Portland, Oreg. Pacific Northwest. Plant Food Assoc., 1963. 109 p. 57.9 P112
- 102338 PIRCON, L. J., DE LA PUENTE, M., and SHETH, M. Fertilizer technology: segregation studies of dry blended fertilizer. J. Agr. & Food Chem. 12(4):357-362. July/Aug. 1964. 381 J8223
- 102339 POWEL, E. Increasing the efficiency of bulk blending facilities. Agr. Chem. 19(8):51-52, 100-101. Aug. 1964. 381 Ag8  
Fertilizers.
- 102340 POZIN, M. E. Some problems of technology of mineral fertilizers. (Rus) Zhur. Prikl. Khim. 37(6):1169-1176. June 1964. 385 Z64
- 102341 PRICE, W. F. Fertilizer—past and present. Agr. Chem. 19(8):44,48,94-95. Aug. 1964. 381 Ag8
- 102342 RAMASUBRAMONY, P. R., and MONEY, N. S. Keeping quality of calcium ammonium nitrate under Kerala conditions. Fert. News 9(6):22-23. June 1964. 57.8 F4123
- 102343 REED, C. M. Micronutrients and liquid fertilizers. Pacific Northwest Fert. Bulk Blending Symp. Proc., 1963 Symp.:77-80. 57.9 P112
- 102344 SHARPLES, K., and DODDS, N. Aids in assessing quality of granular compound fertilizers. Fert. Soc. Proc. 79:13-29. 1963. 57.9 F41
- 102345 SHOOK, E. G., SHANNON, P. T., and AL-BRIGHT, L. F. Fertilizer technology: ammoniation of fluidized triple superphosphate fertilizers. J. Agr. & Food Chem. 12(4):347-351. July/Aug. 1964. 381 J8223
- 102346 SILVERBERG, J. Economic analysis of various manufacturing methods. Pacific Northwest Fert. Bulk Blending Symp. Proc., 1963 Symp.:5-12. 57.9 P112
- 102347 TRUITT, P. T. Fertilizer industry control views. Assoc. South. Feed, Fert. & Pesticide Control Off. Off. P. 1963/64:38-43. 389.79 As7
- 102348 UNITED NATIONS. ECONOMIC AND SOCIAL COUNCIL. ECONOMIC COMMISSION FOR AFRICA. Fertilizers in Africa. Addis Ababa, 1964. 26 p. (United Nations. E/CN.14/271) 57.2 Un332  
Chiefly consumption and trade.
- 102349 WAGNER, R. E., and GRIFFITH, W. K. Maximum economic yields are cost-cutters. Better Crops Plant Food 47(3):34-39. May/June 1964. 6 B46  
Fertilizer costs.
- 102350 WALSH, R. G. Effects of bulk blending on the structure of fertilizer markets. Pacific Northwest Fert. Bulk Blending Symp. Proc., 1963 Symp.:87-94. 57.9 P112  
Nebraska.
- 102351 WISCONSIN. DEPT. OF AGRICULTURE. Wisconsin fertilizer statistics, 1962-63, by W. B. Griem. Wis. Dept. Agr. B. 362, 56 p. Dec. 1963. 2 W572Bu  
Analyses.
- 102352 WRIGHT, T. Views of agricultural fertilizer manufacturers relative to fertilizer control requirements and consumer needs. Assoc. South. Feed, Fert. & Pesticide Control Off. Off. P. 1963/64:66-69. 389.79 As7



- 102353 YANG, C. T. Toward self-sufficiency in fertilizer production. *Indus. Free China* 20(5):2-3. Nov.1963. 297.8 T99

#### Manures and Composts

- 102354 BATTISTELLI, E. A minimized aspect of zootechny. (It) *Riv. di Zootec.* 37(6):346-348. June 1964. 49 R52  
The production of manure.
- 102355 CORDER, G. D., and MILLER, H. F. Farm manures; production—value—use. *Ky. U. Agr. Ext. C.* 593,10 p. May 1964. 275.29 K415
- 102356 DAVIES, G. The economics of municipal composting. *Mother Earth* 13(3):204-206. July 1964. 56.8 M85
- 102357 FURLOW, H. G., and ZOLLINGER, H. A. Reclamation of refuse. *Westinghouse Eng.* 24(3):80-85. May 1964. 335.8 W52  
Compost manufacture.
- 102358 GILLIER, P. The utilization of groundnut shells in agriculture. (Fr) *Oleagineux* 19(9):473-475. July 1964. 77.8 OL2  
English summary, p.XXIII.  
As soil amendment.
- 102359 IVANOV, V. I. Humic fertilizers from brown coal of Kirghizia. (Rus) *Akad. Nauk SSSR. Vest.* 10:52-53. Oct.1963. 511 Ak14V  
Used with wastes for sugar industry and superphosphates.
- 102360 IVERSEN, K. Liquid manure. (Da) *Landbonyt* 18(2):45-46. Feb.1964. 11 L2322  
Storage problems.
- 102361 IVERSEN, K. Liquid manure. (Da) *Tolvmandsbladet* 36(3):127-128. Mar.1964. 11 T58  
Storage.
- 102362 JANSSON, S. L. Liquid manure problems. (Sw) *Centstyr. f. Malmohus Lans Forsoks- och Vaxtskyddsringar. Meddel.* 30:109-113. 1963, pub.1964. 64.9 C332  
Handling and storage.
- 102363 MCALLISTER, J. S. V. Investigations into the storage and use of slurry. I. The nutrient content of slurry produced in Northern Ireland, 1962. *North. Ireland. Min. Agr. Res. & Expt. Rec.* 12(2):123-133. 1962, pub.1964. 10 N81R
- 102364 MCALLISTER, J. S. V. Investigations into the storage and use of slurry. 2. Changes in the dry matter and nitrogen content of slurry during storage. *North. Ireland. Min. Agr. Res. & Expt. Rec.* 12(2):135-142. 1962, pub.1964. 10 N81R
- 102365 NEW SOUTH WALES. DEPT. OF AGRICULTURE. CHEMISTRY BR. Compost for your garden. *Agr. Gaz. N. S. Wales* 75(6):1116-1117. June 1964. 23 N472
- 102366 OLDS, J. More manure for your garden. *Org. Gard. & Farming* 11(9):42-43. Sept.1964. 57.8 Or32  
Composting.
- 102367 PETROV, P. Composting of sewage and garbage and their utilization for fertilizing of agricultural crops in Bulgaria. (Bu) *Akad. Sel-skostopanskite Nauk. Bulg. Inst. Pochvozanie Agrotekh. Izv.* 6:159-166. 1963. 56.9 So2  
German summary.
- 102368 SAXENA, S. S., and others. Blood meal—a profitable nitrogen source. *Rice News Teller* 12(1):24-25. Jan./Mar.1964. 59.8 R366  
K. M. Srivastava, B. D. Upadhyaya, and K. P. Singh, joint authors.  
For use as manure.
- 102369 SCHELTINGA, H. Sewage sludge as organic fertilizer. (Du) *Veeteelt en Zuivelber.* 7(2):56-63. Feb.1964. 49 V51





**FORESTRY****GENERAL**

- 102370 BOCHKAREV, M. M. 15 days in Finnish forests. (Rus) Lesn. Khoz. 4:87-93. Apr. 1964. 99.8 L5622
- 102371 BOCHKO, N. A. For further improvement of forestry under Regional Economic Councils. (Rus) Lesn. Khoz. 3:2-4. Mar. 1964. 99.8 L5622
- 102372 CHUBAIS, B. Bonus wages for forest labor of timber procurement establishments. (Rus) Lesn. Khoz. 1:86-89. Jan. 1964. 99.8 L5622
- 102373 COMMONWEALTH AGRICULTURAL BUR. Guide to the use of Forestry Abstracts, supplement No. 5. Oxford, Eng., 1963. 6 p. 241.01 C73G
- 102374 COMMONWEALTH AGRICULTURAL BUR. Guide to the use of Forestry Abstracts, supplement No. 6. Oxford, Eng., 1964. 6 p. 241.01 C73G
- 102375 GANDIL, C. Ex biblioteca. (Da) Dansk Skovfor. Tidsskr. 49(2):46-55. Feb. 1964. 99.8 D23 Literature and history.
- 102376 GORSHENIN, N. M. Forestry in Czechoslovakia. (Rus) Lesn. Khoz. 10:88-94. Oct. 1963. 99.8 L5622
- 102377 GORTAIRE ITURRALDE, G. Outlook for forestry under agrarian reform. (Sp) Ecuador. Dir. Gen. Bosques. Bol. Forest., Sept. 1962:8-16. 99.9 Ec9B  
Forest inventories are needed.
- 102378 HUGHES, E. L. Forest development in northwestern New Brunswick, 1947-1957. Can. Dept. Forest. Publication 1054, 28 p., map. 1964. 99.9 C1628P
- 102379 JEFFERS, J. N. R. Electronic digital computers and forest research. (Sp) Montes 19(114):475-478. Nov./Dec. 1963. 99.8 M763
- 102380 KAPELNER, H. References on forestry and forest products—1963. Rehovot. Natl. & U. Inst. Agr. Forestry Div. L. 25, 8 p. May 1964. 99.9 IL1
- 102381 KLEVTSOV, V. From the history of forest periodicals. (Rus) Lesn. Khoz. 3:79-80. Mar. 1964. 99.8 L5622
- 102382 KRZYSIK, F. Polskie Towarzystwo Lesne: its activity and development. (Pol) Nauka Polska 11(5):117-138. Ref. Sept/Oct. 1963. 475 N223
- 102383 LOUISIANA STATE UNIVERSITY. SCHOOL OF FORESTRY AND WILDLIFE MANAGEMENT. Southern forests and southern people; twelfth annual forestry symposium, 1963, edited by T. Hansbrough. Baton Rouge, 1963. 115 p. Ref. 99.9 L935  
General Extension Division cooperating.
- 102384 MARGALIT, H. Forests in Palestine at the beginning of the 19th century. (He) La-Yaaran 14(1):2-4. Mar. 1964. 99.9 Sol9  
English summary, p. 19-17.
- 102385 MAYESKE, G. W. The validity of Kuder preference record scores in predicting forester turnover and advancement. Personnel Psychol. 17(2):207-210. Summer 1964. 140.8 P43  
Study sponsored by U. S. Forest Service.
- 102386 MELEKHOV, I. S. Forestry, forest study and teaching in Sweden. (Rus) Lesn. Khoz. 3:88-93. Mar. 1964. 99.8 L5622
- 102387 MUKIN, A. F. Forests of the island of liberty. (Rus) Lesn. Khoz. 2:84-90. Feb. 1964. 99.8 L5622  
Cuba.
- 102388 NEW ZEALAND. FOREST SERV. FOREST RESEARCH INSTITUTE. Report for the period 1 January to 31 December, 1963, by S. D. Richardson. Wellington, 1964. 88 p. 99.9 W46A
- 102389 PETROV, A. A. Efficient working diagrams in forest management. (Rus) Lesn. Khoz. 2:39-41. Feb. 1964. 99.8 L5622  
For labor.
- 102390 SABROE, A. S. Forestry in this century until the Second World War and its background. (Da) Dansk Skovfor. Tidsskr. 49(4):103-120. Apr. 1964. 99.8 D23
- 102391 SANDNER, G. The exploitation of the Caribbean woodland regions in Central America. (Ge) Erde 95(2):111-131, map. Ref. 1964. 474 Er1  
English summary.  
Forests form barrier to the Caribbean; includes history and shifting cultivation.
- 102392 SCHAUER, W. The forester—a helper of nature conservation. (Ge) Sozialist. Forstwirtschaft. 14(5):133-136. 1964. 99.8 W143
- 102393 STEGMANN, G. Works of the Institut für Holzforschung of the Technische Hochschule at Brunswick in 1961-1963. (Ge) Holz-Zentbl. 90(85):1409-1410. July 15, 1964. 99.8 H742
- 102394 TSOMIS, G. Forestry in Greece. Yale Forest Sch. News 52(3):35-37, map. July 1964. 99.8 Y1
- 102395 TUMANOVSKII, R. Early books on forestry. (Rus) Lesn. Khoz. 3:81. Mar. 1964. 99.8 L5622
- 102396 WINTERS, R. K. Research in forestry. U. S. D. A. Ybk. Agr. 1964:542-546. 1 Ag84Y

**Education**

- 102397 DANA, S. T., and JOHNSON, E. W. Selected bibliography on education in forestry and related fields of natural resources management. J. Forestry 62(8):541-549. Aug. 1964. 99.8 F768
- 102398 NEVES, C. M. B. On the lack of frequency of the course in silvicultural engineering. (Por) Agros [Lisboa] 46(4):253-267. July/Aug. 1964. 15.5 Ag82
- 102399 TOUSE, R. D. Changes at OSU [Ohio State University]. Ohio Woodlands 1(1):10-11. Summer 1963. 99.8 Oh34  
Forestry courses.
- 102400 WEBER, T. Forestry study and research in Munden. (Ge) Allg. Forstz. 19(27):404, 406-407, 409. July 4, 1964. 99.8 AL52

**Policies, Programs, Administration**

- 102401 ALABAMA. DEPT. OF CONSERVATION. Report for fiscal year October 1, 1962-September 30, 1963. Montgomery, 1964. 165 p. 279.9 AL1  
Includes the Divisions of Forestry and State Lands.
- 102402 ANDERL, J. Forestation of cultural areas given up by agriculture. (Ge) Forderungsdienst 12(6):189-196. June 1964. 19 F75  
Program, methods, costs and credit.
- 102403 BARRIENTOS F., F. Suggestions for putting into effect an extensive plan of reforestation in the Ecuadorian mountains. (Sp) Ecuador. Dir. Gen. Bosques. Bol. Forest., Sept. 1962:17-24. 99.9 Ec9B
- 102404 BOMBAY. FOREST DEPT. Annual administration report, 1959-60, Forest Department, Bombay State. Poona, 1963. 377 p. 99.9 In2Bo
- 102405 BOMBAY. FOREST DEPT. Annual administration report 1960-61, Forest Department, Maharashtra State. Poona, 1963. 19 p. 99.9 In2Bo
- 102406 BOMBAY. FOREST DEPT. Annual administration report, 1961-62, Forest Department, Maharashtra State. Poona, 1963. 21 p. 99.9 In2Bo
- 102407 CALIFORNIA. DEPT. OF CONSERVATION. DIV. OF FORESTRY. The State Forester's 1963 report, by F. H. Raymond. n.p., 1964. 47 p., map. Ref. 99.9 C122Act
- 102408 CAMEROON. ADMIN. DES EAUX-ET-FORETS. Report of activities for the year 1961 and the 1st quarter 1962, by F. Ebongue. (Fr) Cameroun Agr. Past. et Forest. 71:42-60. Dec. 1963/Jan. 1964. 24 C353  
Forest policy.
- 102409 CEYLON. FOREST CONSERVANCY. Administration report of the Conservator of Forests for 1962-63. II. Revenue (G). Colombo, 1964. 39 p. 99.9 C33  
Text in Sinhalese and English.

- 102410 CYPRUS. FOREST DEPT. Annual report for the year 1963, by A. Polycarpou. n.p., 1963. 56 p., map. 99.9 C992
- 102411 FIJI. DEPT. OF FORESTRY. Annual report for the year 1963. Suva, 1964. 24 p. 99.9 F47
- 102412 FRANCE. DIRECTION GENERALE DES EAUX ET FORETS. Rapport sur le Fonds Forestier National au Comité de Contrôle, année 1962; compte rendu des opérations effectuées du 1er Janvier au 31 Décembre 1962 [Report on the National Forest Funds to the Committee of Control, year 1962; report of operations accomplished Jan. 1 to Dec. 31, 1962]. Paris, 1963. 68 p. 99.9 F844R  
Includes subsidies.
- 102413 LOSCHAU, M., and SCHUSTER, E. The significance of an efficient forestry and timber industry in Burma for the development of the national economy. (Ge) Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed. 2:82-93. Ref. 1963. 26 L53  
English summary.  
Policy.
- 102414 NEVADA. DEPT. OF CONSERVATION AND NATURAL RESOURCES. Annual report including the Divisions of Forestry, State Lands, Water Resources, Oil and Gas Conservation Commission, State Parks, September 30, 1962 to October 1, 1963. n.p., 1963. 54 p. 279.9 N412
- 102415 REUSS, H. The forest administration of the city Munden. (Ge) Allg. Forstz. 19(27):388-402, map. July 4, 1964. 99.8 AL52
- 102416 RUBTSOV, V. I. For further improvement of technological level of forestry. (Rus) Lesn. Khoz. 1:2-7. Jan. 1964. 99.8 L5622  
Policies.
- 102417 URIBE, S. E. A combined plan for reforestation, forest industry, progress and vigilance in the forests. (Sp) Soc. Geog. de Columbia. B. 21(77/78):19-32. First Semes. 1963. 475 So13  
For Columbia.
- 102418 WAYBURN, E. Sierra Club policy on the last redwoods. Sierra Club B. 49(4):10-11, map. May 1964. 500 Sa53
- 102419 WEIDEMANN, K. Object connected planning, financing and control in forest renewal increases the economic effectivity. (Ge) Sozialist. Forstwirt. 14(5):143-146. Ref. 1964. 99.8 W143
- Legislation and Taxation
- 102420 LEWIS, C. H. Legislative problems facing forest landowners. La. State U. Annu. Forestry Symp., 12th Annu. Symp.:107-115. 1963. 99.9 L935
- 102421 NELSON, A. W. Landowner liability in public use of forest land. La. State U. Annu. Forestry Symp., 12th Annu. Symp.:36-44. 1963. 99.9 L935
- Forest Description and Resources
- 102422 THE CITY of Munden and its forests. (Ge) Allg. Forstz. 19(27):382-386, map. July 4, 1964. 99.8 AL52
- 102423 DOWNS, A. A. Forests and forest products. U. S. D. A. Ybk. Agr. 1964:211-217. 1 Ag84Y  
World resources.
- 102424 GROSSMANN, H. Short report on the results of the first large area inventory of total forest region of the German Democratic Republic. (Ge) Sozialist. Forstwirt. 14(5):142. 1964. 99.8 W143
- 102425 KISELEV, E. R., and ZUBOV, YU. P. Forests of the Amur Region. (Rus) Lesn. Khoz. 3:21-25. Mar. 1964. 99.8 L5622
- 102426 OGNEVSKII, V. V. On the transfer of cultures into regular forest stock. (Rus) Lesn. Khoz. 5:36-37. May 1964. 99.8 L5622  
Forest inventories.
- 102427 PAVLOVETS, T. M. Forests of New Zealand. (Rus) Lesn. Khoz. 11:88-89. Nov. 1963. 99.8 L5622
- 102428 SEELY, H. E. Canadian forest inventory methods. Can. Dept. Forest. Publication 1068, 11 p. 1964. 99.9 C1628P  
Aerial photography used.
- 102429 STARIKOV, G. F. A. F. Budischev's forest map from the Far East is a hundred years old. (Rus) Lesn. Khoz. 5:86. May 1964. 99.8 L5622
- 102430 WITHERSPOON, J. C. The diminishing forest area. La. State U. Annu. Forestry Symp., 12th Annu. Symp.:72-80. Ref. 1963. 99.9 L935
- 102431 WU, C. L. Notes on Hwangshan pine of Hwangshan, Anhwei Province. (Ch) Lin Yeh K'o Hsueh 8(2/4):114-126, map. Apr./Oct. 1963. 99.8 L632  
English summary.  
Pinus hwangshanensis.
- FOREST MANAGEMENT AND FINANCE
- 102432 ANTANAITIS, V. Use of indices of current increment in forest management. (Rus) Lesn. Khoz. 1:32-34. Jan. 1964. 99.8 L5622
- 102433 AOKI, T., SAKAMOTO, T., and KIRA, K. Analysis of the actual state of shiitake (Cortinellus shiitake Henn) production. III. Actual state of shiitake production in Kumamoto Prefecture. (Ja) Kyushu U. Forests. Rpt. 20:89-115, map. Ref. June 1964. 99.9 K994  
English summary.  
With reference to management.
- 102434 BAMPING, J. H., and CLUTTER, J. L. Cost efficiencies in a forest enterprise. Paper Indus. 46(4):302-304. July 1964. 302.8 P1923
- 102435 BARTOV, V. F. Methods of improving accounting and distribution of differential income in forestry. (Rus) Lesn. Khoz. 4:66-70. Apr. 1964. 99.8 L5622
- 102436 BERTRAND, A. L., and SOUTH, D. R. The acceptance of new and improved forestry practices by nonindustrial forest landowners. La. State U. Annu. Forestry Symp., 12th Annu. Symp.:3-13. 1963. 99.9 L935
- 102437 CALLAHAN, J. C., and LAUDERDALE, K. R. Integrative and other economic aspects of tree farm families. J. Forestry 62(8):550-555. Ref. Aug. 1964. 99.8 F768
- 102438 DEMIDKO, G. M. Comparative evaluation of forestry equipment. (Rus) Lesn. Khoz. 3:58-62. Mar. 1964. 99.8 L5622
- 102439 EROFEEV, L. N. Calculation of forest exploitation. (Rus) Lesn. Khoz. 2:34-39. Feb. 1964. 99.8 L5622
- 102440 IL'EV, L. I. On the methods of determination of overall forest productivity. (Rus) Lesn. Khoz. 2:63-67. Feb. 1964. 99.8 L5622
- 102441 JOHNSON, J. W. Cost control in timberland regeneration. Paper Indus. 46(5):410-413. Aug. 1964. 302.8 P1923
- 102442 KOCH, W. The year of the forester. 7. Foresters plan for centuries. (Ge) Kosmos 59(7):316-318. July 1963. 474 K842
- 102443 KOCH, W. The year of the forester. 12. The economic forest must follow nature. (Ge) Kosmos 59(12):516-517. Dec. 1963. 474 K842  
Management.
- 102444 KRYSOV, A. M., SHIL'NIKOV, N. G., and ZEVAKHIN, L. G. On some deficiencies in construction of new forest machines and implements. (Rus) Lesn. Khoz. 1:64-66. Jan. 1964. 99.8 L5622
- 102445 LAKE States Forest Experiment Station in modern laboratories. J. Forestry 62(8):531-534. Aug. 1964. 99.8 F768
- 102446 LEBEDINSKII, G. V., and BARANNIKOV, L. F. Small forest wheel tractor. (Rus) Lesn. Khoz. 11:56-60. Nov. 1963. 99.8 L5622
- 102447 LOBOVIKOV, T. S. Output and cost recovery in forest economy. (Rus) Lesn. Khoz. 5:50-54. May 1964. 99.8 L5622
- 102448 LOSCHAU, M., and BIEBERSTEIN, D. Problem setting and the need for testing silvicultural results in forest management work. (Ge) Sozialist. Forstwirt. 14(5):139-141. 1964. 99.8 W143



- 102449 MALINOVSKII, A. V. Allocation of permanent plots in plot method of forest management. (Rus) Lesn. Khoz. 5:21-22. May 1964. 99.8 L5622
- 102450 MOISEEV, N. A. Raschet i organizatsiya pol'zovaniya lesom [Calculation and organization of forest exploitation]. Moskva, Goslesbumizdat, 1963. 152 p., map. Ref. 99.55 M72
- 102451 MOTOVILOV, G. P. Lesoustroistvo [Forest management]. Ed. 3, rev. Moskva, Goslesbumizdat, 1963. 250 p. Ref. 99.55 M85
- 102452 NAGAO, K. Planned management of timber accumulation. 3. (Ja) Nogyo to Keizai 29(12): 41-45. Dec. 1963. 281.8 N682 Accounting.
- 102453 NEVZOROV, N. N. Organizatsiya lesosyr'evykh baz [Organization of forest and raw material bases]. Moskva, Goslesbumizdat, 1963. 115 p. 99.55 N41 Management.
- 102454 PARFENOV, V. F., and TELEGIN, N. P. Management of complex forest establishments in cedar forests of the Gorno Altaisk Region. (Rus) Lesn. Khoz. 3:51-57. Mar. 1964. 99.8 L5622
- 102455 PAVLOV, V. M., and KULAKOV, G. M. Problems of improvement of forest management. (Rus) Lesn. Khoz. 11:13-15. Nov. 1963. 99.8 L5622
- 102456 PEREPECHIN, B. M. For more efficient exploitation of forest resources. (Rus) Lesn. Khoz. 1:23-27. Jan. 1964. 99.8 L5622 Management.
- 102457 PIKALKIN, V. M., and NIKOL'SKII, E. P. Balloons in forestry. (Rus) Lesn. Khoz. 4:75-76. Apr. 1964. 99.8 L5622
- 102458 PORENIUS, P. Forestry in different ways. (Sw) Skogen [Stockholm] 51(4):104-106. Feb. 20, 1964. 99.8 Sk51 Management.
- 102459 ROBERTSON, R. R. Quality timber; a product of management. Miss. State U. Agr. Ext. P. 511,6 p.-folder. May 1964. 275.29 M68Ext
- 102460 RODIGIN, A. A. Basic types of complex forest establishments. (Rus) Lesn. Khoz. 3:45-50. Mar. 1964. 99.8 L5622
- 102461 SEHESTED, J. The living forest. (Da) Dansk Skovfor. Tidsskr. 49(5):150-153. May 1964. 99.8 D23 Economic aspects of forestry.
- 102462 SINITSYN, S. G. Planning of repetitive forest management operations. (Rus) Lesn. Khoz. 1: 27-29. Jan. 1964. 99.8 L5622
- 102463 SKOG, R. E. Financial returns from once tax-delinquent forest land now being managed for timber. Mich. Agr. Expt. Sta. Q. B. 46(4):533-541. May 1964. 100 M58S
- 102464 SPITSYN, L. M., and MOSHKALEV, A. G. Use of data processing equipment in forest management. (Rus) Lesn. Khoz. 11:16-17. Nov. 1963. 99.8 L5622
- 102465 SULIMOV, F. I., and others. Voprosy reorganizatsii i lesnoe khoziaistvo Vologodskoi oblasti [Reorganization problems and forest management in the Vologda Region]. Moskva, Goslesbumizdat, 1963. 74 p., map. Ref. 99.556 Su5 S. M. Gorbachev, P. E. Kretov, and G. L. Liogen'kii, joint authors.
- 102466 TRUBNIKOV, M. M., and LAZAREV, A. S. Pricing policy and planning of complex forest economy. (Rus) Lesn. Khoz. 5:54-57. May 1964. 99.8 L5622
- 102467 TYURIN, A. V. Essay on forest management. (Rus) Lesn. Khoz. 10:78-83. Oct. 1963. 99.8 L5622 History.
- 102468 U. S. FARMERS' HOME ADMIN. Loans for forestry purposes. U. S. D. A. PA-624,6 p.-folder. July 1964. 1 Ag84Pro
- 102469 VAGIN, A. V., and KHARBIN, O. A. Valuation indices of advance growth. (Rus) Lesn. Khoz. 4:30-34. Apr. 1964. 99.8 L5622
- 102470 VANGEROW, H. H. Land commerce in Bavaria. (Ge) Allg. Forstz. 19(28):423-424. July 11, 1964. 99.8 AL52
- 102471 ZUBRAREV, E. M. Management and basic cutting systems of cedar type forests. (Rus) Lesn. Khoz. 5:23-27. May 1964. 99.8 L5622

### Farm Woodlands

- 102472 KREISL, R. Increasing wood production on the farm through field tree culture. (Ge) Forstungsdienst 12(5):160-165. May 1964. 19 F75
- 102473 NERSTEN, S. Factors in the planning of a farm forest. (No) Skogeieren 51(3):16-17. Mar. 1964. 99.81 Sk5

### Mensuration, Surveying, Photogrammetry

- 102474 BAKER, R. D. Forest photogrammetry at a small regional college. Photogram. Engin. 30 (4):621-624. July 1964. 325.28 P56
- 102475 CHACKO, V. J., RAWAT, A. S., and NEGI, G. S. A point sampling trial with prisms at new forest. Indian Forester 90(6):348-359. June 1964. 99.8 In2
- 102476 CHESHEV, L. S. Khod rosta nasazhdenii eli Shrenka [Growth tables for Picea schrenkiana]. Frunze, Izdatel'stvo Akademii Nauk Kirgizskoi SSR, 1963. 36 p. Ref. 99.4 C42
- 102477 DAUETAS, M. S., and KIRKLIS, A. A. Growth tables for pine stands. (Rus) Lesn. Khoz. 2: 41-42. Feb. 1964. 99.8 L5622
- 102478 FEDOSIMOV, A. N. Modification of valuation indices of circular test plots. (Rus) Lesn. Khoz. 5:18-20. May 1964. 99.8 L5622
- 102479 GIBBS, C. B. Spiegel-relascope reliable for measuring total height of standing hardwoods. J. Forestry 62(8):580. Aug. 1964. 99.8 F768
- 102480 GIMBARZEVSKY, P. The significance of land-forms in the evaluation of forest land. Pulp & Paper Mag. Canada 65(7):WR302-WR304, WR306-WR307, WR310, WR312, WR314, WR316-WR317. Ref. July 1964. 302.8 P96 Aerial photography used.
- 102481 HANKS, L. F., and THOMSON, G. W. Aerial stand volume tables for Iowa hardwoods. Iowa State J. Sci. 38(4):415-426. Ref. May 15, 1964. 470 Io9
- 102482 HELSINGFORS. UNIVERSITET. METSANAR-VIOIMISTIEETEN LAITOS. Increment forecast methods for a large forest area. Final report of a research project conducted under a grant authorized by Public law 480 for the United States Department of Agriculture. Helsinki, 1963. 83 p. 99.4 H362 Project No.:E8-FS-30; Grant No.:FG-Fi-115.
- 102483 IIZUKA, H. Study on weight growth of stem by growth curves. (Ja) Kyushu U. Forests. Rpt. 20:1-65. Ref. June 1964. 99.9 K994 English summary.
- 102484 JAMESON, J. S. Preliminary yield tables for black spruce Manitoba-Saskatchewan. Can. Dept. Forest. Publication 1064, 32 p., map. Ref. 1964. 99.9 C1628P
- 102485 KAKIHARA, M., and others. The report of the investigation of the stand composition and the growth in the Kyushu University Forest in Sawara district. I. (Ja) Kyushu U. Forests. Rpt. 20:67-82, map. June 1964. 99.9 K994 S. Hayashi, T. Aoki, and H. Zaitzu, joint authors. English summary. Pinus thunbergii.
- 102486 KAKIHARA, M., AOKI, T., and KAKIUCHI, Z. The report of the investigation of the stand composition and the growth in the Kyushu University Forest in Sawara district. II. (Ja) Kyushu U. Forests. Rpt. 20:83-88. June 1964. 99.9 K994 English summary. Pinus thunbergii.
- 102487 KAPANADZE, A. D. Determination of the number of tree trunks of beech stands in Georgian SSR by basal area. (Rus) Lesn. Khoz. 10:9-12. Oct. 1963. 99.8 L5622
- 102488 KARSCHON, R. Periodicity of growth in Eucalyptus camaldulensis Dehn. and E. gomphoccephala A. DC. Rehovot. Natl. & U. Inst. Agr. Forestry Div. L. 24, 17 p. May 1964. 99.9 IL1



- 102489 KIPPEN, F. W., and SAYN-WITTGENSTEIN, L. Tree measurements on large-scale vertical, 70 mm. air photographs. Can. Dept. Forest. Publication 1053, 16 p. Ref. 1964. 99.9 C1628P
- 102490 KOZUBOV, G. M. On the growth of pine characterized by narrow pyramidal crown. (Rus) Lesn. Khoz. 10:23-25. Oct. 1963. 99.8 L5622
- 102491 LIN, S. C. The design and use of circular slide rule for forestation. (Ch) J. Agr. & Forestry 12:231-261. Oct. 1963. 22.5 J823  
English summary.
- 102492 LIN, T. Y. Studies on the construction of simple method of volume growth table and comparison of different prediction methods of the stand increments. (Ch) J. Agr. & Forestry 12:142-174. Oct. 1963. 22.5 J823  
English summary.
- 102493 LO, C. P. Preliminary research in the standard table classification of the mixed broad-leaf forests in the Ta-pa-shan forest area of Szechuan Province. (Ch) Lin Yeh K'o Hsueh 8(2/4):105-113. Apr./Oct. 1963. 99.8 L632
- 102494 MOISEENKO, F. P. Growth and marketability of oak seed tree stands. (Rus) Lesn. Khoz. 4:34-38. Apr. 1964. 99.8 L5622
- 102495 NOSENKOV, A. I. Determination of optimal volume of forest trees in the River Vora Basin. (Rus) Lesn. Khoz. 10:52-57, map. Oct. 1963. 99.8 L5622  
With reference to site classification.
- 102496 OLERINSKII, V. YA. On the precision of forest management operations. (Rus) Lesn. Khoz. 1:30-32. Jan. 1964. 99.8 L5622  
Chiefly surveying.
- 102497 RUIZ-DANA LARRARTE, J. M. Study of the form quotient of *Pinus pinaster* Sol. in Galicia. (Sp) Montes 19(114):485-496. Nov./Dec. 1963. 99.8 M763  
Mensuration.
- 102498 SCHOPFER, W. Sortiment assessment with the aid of a paper curve slide rule. (Ge) Allg. Forst- u. Jagdzgt. 135(7):176-186. Ref. July 1964. 99.8 L13  
English summary.
- 102499 SHKATULOV, A. I., CHERNOV, V. I., and KUZNETSOV, T. A. Universal measuring device. (Rus) Lesn. Khoz. 2:72-73. Feb. 1964. 99.8 L5622
- 102500 SVALOV, N. N. Analysis of forest yields and its dynamics. (Rus) Lesn. Khoz. 3:11-14. Mar. 1964. 99.8 L5622
- 102501 VALIQUETIE, L. Diameter conversions between stump and breast height for northern species, Quebec. Can. Dept. Forest. Publication 1052, 31 p., map. Ref. 1964. 99.9 C1628P
- 102502 VAN NOSTRAND, R. S. Growth trends in spruce and fir stands in central Newfoundland. Can. Dept. Forest. Publication 1063, 31 p., map. 1964. 99.9 C1628P
- 102503 VILLA SALAS, A. B. Calculo de incrementos en los bosques de coníferas [Estimating increment in coniferous forests]. Mex. Inst. Nac. de Invest. Forst. B. Tec. 11, 36 p. Dec. 1963. 99.9 M577E
- 102504 WILE, B. C. Crown size and stem diameter in red spruce [*Picea rubens*] and balsam fir [*Abies balsamea*]. Can. Dept. Forest. Publication 1056, 9 p. 1964. 99.9 C1628P
- 102505 ZAKHAROV, V. K. Normal specific numbers. (Rus) Lesn. Khoz. 5:16-18. May 1964. 99.8 L5622  
Mensuration.
- 102506 ZYRYAEV, A. G. Interrelation between the volume of needles and current increment in Siberian larch. (Rus) Lesn. Khoz. 4:28-29. Apr. 1964. 99.8 L5622
- Silviculture
- 102507 ALI-ZADE, M. M. Relict species in the forests of Azerbaijan. (Rus) Lesn. Khoz. 10:12-14. Oct. 1963. 99.8 L5622
- 102508 BEREZIN, A. M. To the problem of shape of tree crowns. (Rus) Lesn. Khoz. 10:20-22. Oct. 1963. 99.8 L5622
- 102509 BORISOV, V. I. Peculiarities of pine culture in the North. (Rus) Lesn. Khoz. 1:38-41. Jan. 1964. 99.8 L5622
- 102510 CHEREDNIKOVA, YU. S. Cedar forest types of northern slope of the mountain ridge, Manskoe Belogor'e [Western Sayan Mountains]. (Rus) In Smagin, V. N., ed. *Tipy lesov Sibiri*, p. 133-140. 1963. 99.25 Sm1
- 102511 CHERNYSHEV, I. A. Change of species on clear cut areas in forests of middle Ural. (Rus) Lesn. Khoz. 10:6-9. Oct. 1963. 99.8 L5622
- 102512 CHEVEDAEV, A. A. Dub, ego svoistva i znachenie [Oak, its properties and importance]. Moskva Goslesbumizdat, 1963. 232 p., map. Ref. 99.47 C422
- 102513 CHIANG, Y. C. Preliminary research on the environmental types in the high mountain forest areas of Mi-ya-lo and Ma-erh-k'ang of western Szechuan. (Ch) Lin Yeh K'o Hsueh 8(2/4):321-335, map. Apr./Oct. 1963. 99.8 L632  
Russian summary.
- 102514 CHOJNACKI, W. Orientation on some research works to the problem of quality improvement of *Pinus sylvestris*. (Ge) Schweiz. Z. f. Forstw. 115(6/7):379-391. Ref. June/July 1964. 99.8 J82  
French summary.  
Culture and growth studies.
- 102515 DERYABIN, D. I. Care of forest and gradual shelterwood cutting based on complex mechanization. (Rus) Lesn. Khoz. 3:7-10. Mar. 1964. 99.8 L5622
- 102516 DUDAREV, A. D. Effect of improvement cutting on increase of productivity of pine stands. (Rus) Lesn. Khoz. 2:16-19. Feb. 1964. 99.8 L5622
- 102517 DYNIN, G. D., and KOROTKOV, D. P. Pine culture in furrows made by tractors in dry areas. (Rus) Lesn. Khoz. 5:39-40. May 1964. 99.8 L5622
- 102518 GAEL', A. G., and VORONKOV, N. A. Interrelations between trees and grasses in scattered pinewoods of Kazakhstan. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauki 2:131-140. Ref. 1963. 442.8 N22
- 102519 GENSSLER, H. The oak in Rhineland. (Ge) Allg. Forstz. 19(28):419-421. July 11, 1964. 99.8 A152  
Sites.
- 102520 HALE, D., and others. West Virginia research on Fraser fir. Amer. Christmas Tree Growers' J. 8(1):19. Feb. 1964. 99.9 C46  
J. H. Brown, A. Millender, E. H. Tryon, and H. G. Woodrum, joint authors.
- 102521 JEFFREY, W. W. Forest types along lower Liard River, Northwest Territories. Can. Dept. Forest. Publication 1035, 103 p., map. Ref. 1964. 99.9 C1628P
- 102522 JONES, E. W. Oak-larch and oak-Thuja [*plicata*] mixtures in the woods of Hazel, Wytham. Q. J. Forestry 58(3):197-207. July 1964. 99.8 Q2
- 102523 KAMENETSKAYA, I. V., MIKHAILENKO, M. M., and SAVIN, E. N. Pine-type forests of southwestern Angara region. (Rus) In Smagin, V. N., ed. *Tipy lesov Sibiri*, p. 52-107. Ref. 1963. 99.25 Sm1
- 102524 KHOLAD, D. S. Types and associations of coniferous forests of the northeastern Belorussian SSR. (Be) Minsk. Belaruskaya Akad. Navuk. Vesti. Ser. Biyal. Navuk 1:22-32. Ref. 1964. 442.8 M66  
Text in Belorussian.  
Russian summary.
- 102525 KISHCHENKO, T. I. Mechanized gradual-shelterwood and group selection cuttings in forests of the I and II group. (Rus) Lesn. Khoz. 2:9-13. Feb. 1964. 99.8 L5622
- 102526 KOVALISHIN, V. P. Pine as fast growing species in the Ternopol area. (Rus) Lesn. Khoz. 10:39-40. Oct. 1963. 99.8 L5622  
Culture.
- 102527 KRYLOV, A. G. Pine-type forests of northeastern Altai area. (Rus) In Smagin, V. N., ed. *Tipy lesov Sibiri*, p. 141-160. 1963. 99.25 Sm1  
Chiefly *Pinus sibirica*.



- 102528 KRYLOV, G. V., and KULIKOV, M. I. Evaluation and protection of advance growth on clear cut areas of western Siberia. (Rus) Lesn. Khoz. 11:2-4. Nov.1963. 99.8 L5622
- 102529 KUZNETSOVA, T. S. Cedar forest types of the Kara-Koksha Basin (northeastern Altai). (Rus) In Smagin, V. N., ed. *Tipy lesov Sibiri*, p.161-170. Ref. 1963. 99.25 Sm1
- 102530 LI, C. H. The soil conditions of the Lu-shui project area in Chang-pai-shan and their relationship with the distribution of forest types and the growth of forests. (Ch) Lin Yeh K'o Hsueh 8(2/4):93-104, map. Apr./Oct.1963. 99.8 L632  
Russian summary.
- 102531 LIOGEN'KII, G. L. Spruce culture on clear cut areas. (Rus) Lesn. Khoz. 4:43-44. Apr.1964. 99.8 L5622
- 102532 LIU, S. H. Studies on financial maturity and rotation of important commercial forests in Taiwan. (Ch) J. Agr. & Forestry 12:325-352. Ref. Oct.1963. 22.5 J823  
English summary.  
Cunninghamia lanceolata and Cryptomeria japonica studied.
- 102533 LUGOVYKH, P. V. From the silvicultural experiences in the Sverdlovsk Region. (Rus) Lesn. Khoz. 1:35-38. Jan.1964. 99.8 L5622
- 102534 MA, H. H. The selective cutting and water and soil preservation of the dark conifer forest area in high mountains of West Szechuan. (Ch) Lin Yeh K'o Hsueh 8(2/4):149-160. Apr./Oct. 1963. 99.8 L632  
Russian summary.
- 102535 MACARTHUR, J. D. Norway spruce plantations in Quebec. Can. Dept. Forest. Publication 1059, 44 p., map. Ref. 1964. 99.9 C1628P
- 102536 MOUNT, SIR W. Poplars and cricket bat willows. Gt. Brit. Min. Agr. Fisheries & Food. Agr. 71(6):260-262. June 1964. 10 G79J  
Culture.
- 102537 NABATOV, N. M. Role of birch interplanted with pine. (Rus) Lesn. Khoz. 1:41-43. Jan. 1964. 99.8 L5622
- 102538 NAZIMOVA, D. I. Forest types of northern part of Western Sayan Mountains. (Rus) In Smagin, V. N., ed. *Tipy lesov Sibiri*, p.108-132. Ref. 1963. 99.25 Sm1
- 102539 NOVOSEL'TSEVA, I. F., and UTKIN, A. I. Pine-type forests of southwestern part of the Chitinsk Region. (Rus) In Smagin, V. N., ed. *Tipy lesov Sibiri*, p.182-222. Ref. 1963. 99.25 Sm1
- 102540 OGIEVSKII, V. V. Care of forest stands in the western Siberia. (Rus) Lesn. Khoz. 2:53-55. Feb.1964. 99.8 L5622  
Cultural practices.
- 102541 PARFENOV, V. Technology of cutting operations in experimental timber procurement establishment of Gorno-Altai. (Rus) Lesn. Khoz. 1:71-72. Jan.1964. 99.8 L5622
- 102542 PAVES, KH. K. Larch culture in the Estonian SSR. (Rus) Lesn. Khoz. 2:23-28. Feb.1964. 99.8 L5622
- 102543 PENEV, N., and VULEV, S. On some problems of using arboreal and grass species for determination of forest types. (Bu) Akad. Selskstopanskite Nauk. Bulg. Inst. Gorata. Izv. 14:5-25. Ref. 1963. 99.9 B872  
German summary.
- 102544 POLYAKOV, A. N., and VOLKOV, V. D. Dynamics of volume and self-thinning of forest stands according to biogeophysical theory. (Rus) Lesn. Khoz. 10:14-17. Oct.1963. 99.8 L5622
- 102545 POLYAKOVA, A. I. Advantages of growing black poplar on sands with the use of seedlings. (Rus) Lesn. Khoz. 5:72. May 1964. 99.8 L5622
- 102546 POPOV, YU. A. Wide application of successive shelterwood cutting. (Rus) Lesn. Khoz. 11:74-75. Nov.1963. 99.8 L5622
- 102547 RECHAN, S. P., and KRYLOV, A. G. Short characteristics of forest types of right bank area of middle reaches of the Katun River. (Rus) In Smagin, V. N., ed. *Tipy lesov Sibiri*, p.171-181. 1963. 99.25 Sm1
- 102548 RUMYANTSEV, G. T., and TIKHONOV, A. S. Economic effectiveness of gradual shelterwood cuttings of larch-spruce stands. (Rus) Lesn. Khoz. 1:55-58. Jan.1964. 99.8 L5622
- 102549 SHEINGAUZ, A. S. Dynamics of development of cedar-broadleaved type of forest in the Far East. (Rus) Lesn. Khoz. 5:7-10. May 1964. 99.8 L5622
- 102550 SHIKOV, K. Growth, structure and productivity of some mixed stands of Pinus sylvestris and Picea. (Bu) Akad. Selskstopanskite Nauk. Bulg. Inst. Gorata. Izv. 14:59-75. Ref. 1963. 99.9 B872  
French summary.
- 102551 SHVETSOV, V. I., and others. Economic way of establishment forest stands. (Rus) Lesn. Khoz. 4:77-79. Apr.1964. 99.8 L5622  
A. I. Uryvaev, D. I. Il'ichev, and N. T. Shvetsova, joint authors.  
Culture.
- 102552 SIREN, G. Forest cultivation -- the aim of the forestry. (Fi) Metsataloudellinen Aikakauslehti 81(5):211-214. May 1964. 99.9 F49  
English summary.
- 102553 SMAGIN, V. N., ed. *Tipy lesov Sibiri* [Forest types of Siberia]. Moskva, Izdatel'stvo Akademii Nauk SSSR, 1963. 222 p. Ref. 99.25 Sm1
- 102554 STEIN, W. T. Comparison and analysis of modern and prehistoric tree species in the Flagstaff area, Arizona. Tree-Ring B. 26(1/4): 6-12, map. June 1964. 99.8 T713
- 102555 STENEKER, G. A. Results of a 1936 release cutting to favour white spruce [Picea glauca] in a 50-year-old white spruce-aspen stand in Manitoba. Can. Dept. Forest. Publication 1005, 17 p. Ref. 1963. 99.9 C1628P
- 102556 TAMM, YU. Culture of poplars in the Estonian SSR. (Rus) Lesn. Khoz. 10:36-38. Oct.1963. 99.8 L5622
- 102557 TSENER, G. G. Soil formation on cutover areas and regeneration of forests in northern forest establishments of the Kazakhstan Altai. (Rus) Lesn. Khoz. 3:14-16. Mar.1964. 99.8 L5622
- 102558 TURKIN, A. S., and NABATOV, N. M. Gradual shelterwood cutting of birch-type forest. (Rus) Lesn. Khoz. 4:21-23. Apr.1964. 99.8 L5622
- 102559 ULLAH, M. I., and TICKU, B. L. A preliminary study of the forest typology of Jammu and Kashmir. Indian Forester 90(6):332-337. Ref. June 1964. 99.8 In2
- 102560 USHATIN, P. N. Effectiveness of selection and gradual shelterwood cuttings. (Rus) Lesn. Khoz. 2:13-16. Feb.1964. 99.8 L5622
- 102561 USKOL, S. P. Description of live forest ground cover. (Rus) Lesn. Khoz. 5:73. May 1964. 99.8 L5622
- 102562 VEZEV, L. Chestnuts as forest trees and as a cultural species in the Ograzhden and Male-shyevska Mountains. (Bu) Akad. Selskstopanskite Nauk. Bulg. Inst. Gorata. Izv. 14:77-93. Ref. 1963. 99.9 B872  
English summary.
- 102563 VOGEL, O. The sites and silviculture on the Kaiserstuhl. Allg. Forst- u. Jagdztg. 135(7): 161-171, map. Ref. July 1964. 99.8 AL3  
English summary.
- 102564 YURKEVICH, I. D., and GEL'TMAN, V. S. Efficient transformation of Belorussian forest types. (Rus) Lesn. Khoz. 10:2-5. Oct.1963. 99.8 L5622

## Silvicultural Practices

- 102565 AZBUKIN, YU. M. Complex mechanization of stump removal and reforestation of felled areas. (Rus) Lesn. Khoz. 10:65-67. Oct.1963. 99.8 L5622
- 102566 BARTENEV, V. D., and SEREGIN, N. F. Excavating plow for forest nurseries. (Rus) Lesn. Khoz. 5:64-65. May 1964. 99.8 L5622
- 102567 BEL'KOV, V. P., and SHUTOV, I. V. Herbicides in the care of forest cultures. (Rus) Lesn. Khoz. 3:33-35. Mar.1964. 99.8 L5622  
Weed control.

- 102568 BETHUNE, J. E. Ridging—low-cost technique for increasing growth on wet flatwoods site. AT-FA Journal 26(10):7-9. July 1964. 309.8 Am3  
For slash pine.
- 102569 BROADFOOT, W. M. Hardwoods respond to irrigation. J. Forestry 62(8):579. Aug. 1964. 99.8 F768
- 102570 CAYFORD, J. H. Results of a 1921 jack pine thinning in western Manitoba. Can. Dept. Forest. Publication 1077, 7 p. 1964. 99.9 C1628P
- 102571 COZZANI, C., and SISTO, A. M. Chemical weed control in poplar nurseries: tests with ATA-simazine and dalapon-simazine mixtures. (It) Not. sulle Mal. delle Piante 67:33-41. 1963. 464.8 N84  
English summary.
- 102572 CUMMING, J. A. Effectiveness of prescribed burning in reducing wildfire damage during periods of abnormally high fire danger. J. Forestry 62(8):535-537. Aug. 1964. 99.8 F768  
New Jersey.
- 102573 DEKATOV, N. N. Chemical drying of aspen. (Rus) Lesn. Khoz. 3:19-20. Mar. 1964. 99.8 L5622
- 102574 EGLITE, A. K., and SPALVIN'SH, Z. P. Thinning of young stands by use of chemicals acting through the bark of trees. (Rus) Lesn. Khoz. 2:23-24. Feb. 1964. 99.8 L5622  
In Latvia.
- 102575 GUSEINOV, I. D. Growing of economic willows under irrigation. (Rus) Lesn. Khoz. 2:70-71. Feb. 1964. 99.8 L5622
- 102576 HUBERT, M. The thinning of poplar trees. (Fr) Pepinieristes Hort. Maraichers 45:1861-1875. Mar. 1964. 80 P39
- 102577 KALNIN'SH, A. I. Chemicals in forestry and importance of wood raw material for chemical industry. (Rus) Lesn. Khoz. 3:5-6. Mar. 1964. 99.8 L5622
- 102578 KAYLL, A. J. A technique for studying the fire tolerance of living tree trunks. Can. Dept. Forest. Publication 1012, 22 p. Ref. 1963. 99.9 C1628P  
With reference to prescribed burning of eastern white pine.
- 102579 KLYUCHNIKOV, L. YU. Chemical control of weeds of forest stands grown on sandy soils. (Rus) Lesn. Khoz. 2:45-46. Feb. 1964. 99.8 L5622
- 102580 KRINARD, R. M. Weed control trials in cottonwood plantations. Miss. Agr. Expt. Sta. Inform. Sheet 854, 2 p. May 1964. 100 M69In
- 102581 KUZ'MIN, I. A. Experience in application of chemicals in establishment of forest stands. (Rus) Lesn. Khoz. 2:43-45. Feb. 1964. 99.8 L5622  
Weed control.
- 102582 LACEY, A. Gramoxone W for weed control in forestry. Q. J. Forestry 58(3):247-251. July 1964. 99.8 Q2
- 102583 LEVASHEV, B. G. Effectiveness of fertilizers in forest nurseries. (Rus) Lesn. Khoz. 3:26-29. Mar. 1964. 99.8 L5622
- 102584 MOLCHANOV, A. A. Effect of mineral fertilizers on growth of oak. (Rus) Lesn. Khoz. 4:17-21. Apr. 1964. 99.8 L5622
- 102585 MULLER, R., and SCHMIDT, G. Application of herbicides in poplar plantings. (Ge) Sozialist. Forstwirtschaft. 14(5):151-152. 1964. 99.8 W143
- 102586 NIR, A., and BLASS, C. Weed control by simazine in the Judean hills. (He) La-Yaaran 14(1):7-12. Mar. 1964. 99.9 So19  
English summary, p. 16.
- 102587 POBEDOV, V. S. Interrelation between grassy vegetation and pine seedlings. (Rus) Lesn. Khoz. 10:30-32. Oct. 1963. 99.8 L5622  
As weeds.
- 102588 POPOV, A. A. Increasing productivity of boggy larch forests in the Amur area. (Rus) Lesn. Khoz. 5:13-15. May 1964. 99.8 L5622  
By drainage.
- 102589 POPOVIC, B. Some results of test with fertilization of black pine. (Se) Agrohemija 7/8:473-501. Ref. 1963. 385 Ag87  
German summary.
- 102590 RUBTSOV, V. G. Designing and carrying out forest drainage works. (Rus) Lesn. Khoz. 1:19-21. Jan. 1964. 99.8 L5622
- 102591 RUMYANTSEV, G. T. Methods of productive evaluation of equipment for soil preparation. (Rus) Lesn. Khoz. 10:57-60. Oct. 1963. 99.8 L5622
- 102592 SAMGIN, P. A., and SHUTOV, I. V. Tests on new chemicals for control of trees. (Rus) Lesn. Khoz. 5:5-7. May 1964. 99.8 L5622
- 102593 SATO, T., and others. Effect of fertilization on some important conifers at their younger stage in the Tohoku district. (Ja) Japan. Forest Expt. Sta. B. 167:93-190, map. Ref. Mar. 1964. 99.8 R47  
K. Yamaya, K. Hasegawa, K. Goto, T. Nishida, and K. Yanagiya, joint authors.  
English summary.  
Larix leptolepis, Pinus densiflora and Cryptomeria japonica.
- 102594 SHESTAKOVA, V. A. Application of phosphobacterin for improvement of growth of seedlings. (Rus) Lesn. Khoz. 10:32-35. Oct. 1963. 99.8 L5622  
Pine and linden.
- 102595 SHIMANSKII, P. S. Effect of herbicides on growth of pine. (Rus) Lesn. Khoz. 2:22-23. Feb. 1964. 99.8 L5622  
2,4-D and 2,4,5-T.
- 102596 SHUMAEVA, K. G. Use of polyvinyl chloride films in forest nurseries. (Rus) Lesn. Khoz. 5:83. May 1964. 99.8 L5622
- 102597 SKOV, J. An orientation on irrigation of forest nurseries. (Da) Dansk Skovfor. Tidsskr. 49(6):170-202. Ref. June 1964. 99.8 D23
- 102598 SMOLYAK, L. P. Drainage of swamped forests of Belorussia. (Rus) Lesn. Khoz. 11:10-13. Nov. 1963. 99.8 L5622
- 102599 VASILEV, V. N. Study of mechanized cultivation and preparation of terraces and belts for reforestation. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Gorata. Izv. 14:177-211. Ref. 1963. 99.9 B872  
German summary.
- 102600 WAGENKNECHT, E. Contributions to rationalization in silviculture. VII. Rationalization of thinning work. (Ge) Sozialist. Forstwirtschaft. 14(5):146-150. 1964. 99.8 W143
- 102601 WORST, R. H. A study of effects of site preparation and spacing on planted slash pine in the coastal plain of southeast Georgia. J. Forestry 62(8):556-560. Aug. 1964. 99.8 F768
- 102602 ZALENSKII, N. E. Reexamination of prescribed burning of cutover areas. (Rus) Lesn. Khoz. 3:39-40. Mar. 1964. 99.8 L5622
- 102603 ZHELTOV, E. M. Improved equipment for slash removal. (Rus) Lesn. Khoz. 10:62-65. Oct. 1963. 99.8 L5622

## Regeneration and Breeding

- 102604 ADIL'BEKOV, R. A. Admissible deviation in planting depth of seeds. (Rus) Lesn. Khoz. 4:46-47. Apr. 1964. 99.8 L5622
- 102605 AHMAD, S. Planting Eucalyptus for various purposes in West Pakistan. Pakistan. J. Forestry 14(3):162-171. July 1964. 99.8 P17
- 102606 ALEKPEROV, S. A. The effect of concentrate salt solutions on the physiology of swelling and germination of seeds of some arboreal and shrub plants. 14 p. Ref. Transl. 14029  
Translation from Akademiya Nauk Azerbaidzhanskoi SSR. Izvestiya. Seriya Biologicheskikh i Meditsinskikh Nauk 1:15-23. 1961.
- 102607 ALEKSEEV, V. A. Assimilation of radiant energy of the sun by pine plantings. (Rus) Lesn. Khoz. 11:17-19. Nov. 1963. 99.8 L5622
- 102608 ATKINSON, O. R. Vegetative propagation problems with sugar maple. Noeast. Forest Tree Impr. Conf. Proc., 11th Conf.:12-20. 1963, pub. 1964. 99.9 N8123  
Includes discussion.



- 102609 BADALOV, P. P. Development of root system of spruce in the case of overmoistening. (Rus) Lesn. Khoz. 11:64. Nov. 1963. 99.8 L5622
- 102610 BANNISTER, M. H. Planning a genetical survey of *Pinus radiata* populations. World Consultation Forest Genet. Tree Impr. Proc. 1 (4/1), 10 p. 1963. 99.9 W894
- 102611 BARKVED, M. On the planning of future plant production. (No) Arsskr. f. Norske Skogplantesk. 1963:28-33, 35-38, 40-41. 1964. 99.9 N8122  
Coniferae  
Discussion, p. 42-43, 45-47.
- 102612 BARRETT, W. H. H. Tests on introduction of sub-tropical pines in the north-eastern Argentina. (Sp) World Consultation Forest Genet. Tree Impr. Proc. 1(4/7), 8 p., map. 1963. 99.9 W894  
English summary.
- 102613 BAZAL, J. Will southern France and Corsica be reforested by the Eucalyptus? (Fr) *Pépiniéristes Hort. Maraichers* 44:1809-1811. Feb. 1964. 80 P39
- 102614 BELENKO, G. T. Natural regeneration after gradual shelterwood cutting in mountain forests. (Rus) Lesn. Khoz. 11:4-6. Nov. 1963. 99.8 L5622
- 102615 BENE, V., LACARESCU, C., and LEANDRU, L. Biometric research on fruits and seeds in selection and improvement of ash trees. (Fr) World Consultation Forest Genet. Tree Impr. Proc. 1(2b/11), 3 p. 1963. 99.9 W894  
English summary.
- 102616 BERGMAN, F., and LESKINEN, U. Production of forest plants under plastic in Sweden. (Fr) *Pépiniéristes Hort. Maraichers* 46:1929-1935. Apr. 1964. 80 P39
- 102617 BIALOBOK, S. The progress of seedling growth of poplar hybrids in relation to their selection. World Consultation Forest Genet. Tree Impr. Proc. 1(2b/4), 17 p. Ref. 1963. 99.9 W894
- 102618 BIBERRIETHER, H. Variation in root formation of pine of various provenances. (Ge) *Forstwiss. Centbl.* 83(5/6):129-140. May/June. 1964. 99.8 F775
- 102619 BINGHAM, R. T. New developments in breeding western white pine. 1. Breeding for blister rust resistance. Forest Genet. Workshop. Proc., 1962:69-70. 1963. 99.9 F7629
- 102620 BOLOTIN, M. Segregation in progenies of *Cupressus sempervirens* L. (He) *La-Yaaran* 14 (2):23-26. June 1964. 99.9 S019  
English summary, p. 48-46.
- 102621 BRACE, L. G. Early development of white spruce as related to planting method and planting stock height. Can. Dept. Forest. Publication 1049, 15 p. 1964. 99.9 C1628P
- 102622 BUIJTENEN, J. P. VAN, and BROWN, C. L. The effect of crown pruning on strobili production of loblolly pine. Forest Genet. Workshop. Proc., 1962:88-93. 1963. 99.9 F7629
- 102623 CALIFORNIA, DEPT. OF NATURAL RESOURCES. DIV. OF FORESTRY. Reforestation studies, 1963, prepared by R. S. Adams. Sacramento 1964? 14 p. 99.9 C1222R
- 102624 CALLAHAM, R. Z., and DUFFIELD, J. W. Heights of selected ponderosa pine seedlings during 20 years. Forest Genet. Workshop. Proc., 1962:10-13. Ref. 1963. 99.9 F7629
- 102625 CALLIN, G. Technique and mechanization of forest planting. (Sw) *Jord och Skog* 16(1):42-45. (Cont.) 1964. 58.8 M373
- 102626 CATALAN, G. Crosses within Leuce Section and outstanding hybrids of *Leuce* and *Aigeiros*. (Sp) World Consultation Forest Genet. Tree Impr. Proc. 1(2b/8), 8 p. 1963. 99.9 W894  
English summary.  
*Populus alba* and *P. tremula*.
- 102627 CAYFORD, J. H. Some factors influencing jack pine regeneration after fire in southeastern Manitoba. Can. Dept. Forest. Publication 1016, 16 p. Ref. 1963. 99.9 C1628P
- 102628 CECH, F. C., STONECYPHER, R., and ZOBEL, B. Early results from the co-operative loblolly pine heritability study. Forest Genet. Workshop. Proc., 1962:64-68. 1963. 99.9 F7629
- 102629 CHIANG, W. Y. Preliminary research into several problems in the regeneration of *Populus canadensis* by cuttings. (Ch) *Lin Yeh K'o Hsueh* 8(2/4):175-179. Apr./Oct. 1963. 99.8 L632
- 102630 CHILIMOV, I. Evaluation of vitality of advance growth in spruce stands. (Rus) Lesn. Khoz. 1:14-16. Jan. 1964. 99.8 L5622
- 102631 CLARK, F. B., and BOYCE, S. G. Yellow-poplar seed remains viable in the forest litter. *J. Forestry* 62(8):564-567. Aug. 1964. 99.8 F768
- 102632 CLAUDOT, J. Contribution of Morocco to genetic improvement of Eucalyptus introduced in the Mediterranean Basin. (Fr) World Consultation Forest Genet. Tree Impr. Proc. 1 (4/9), 15 p. Ref. 1963. 99.9 W894  
English summary.
- 102633 CLAUSEN, K. E. Introgression in Minnesota birches. Forest Genet. Workshop. Proc., 1962:55-58. Ref. 1963. 99.9 F7629
- 102634 CRITCHFIELD, W. B. Hybridization of the southern pines in California. Forest Genet. Workshop. Proc., 1962:40-48. Ref. 1963. 99.9 F7629
- 102635 DIECKERT, H. On pollination and fertilization of Norway spruce cones. (Ge) *Allg. Forst- u. Jagdztg.* 135(7):171-175. July 1964. 99.8 AL3  
English summary.
- 102636 DIETRICHSON, J. Some results from an anatomic investigation of Norway spruce provenances in four international spruce tests of 1938 in Sweden and Norway. World Consultation Forest Genet. Tree Impr. Proc. 1(3/7), 18 p. Ref. 1963. 99.9 W894
- 102637 DUMITRIU-TATARANU, I. Application of graphic method for studying variability of populations. (Fr) World Consultation Forest Genet. Tree Impr. Proc. 1(2a/12), 7 p. 1963. 99.9 W894  
English summary.  
Austrian pine.
- 102638 DUMITRIU-TATARANU, I., and BENE, V. Possibilities to utilize statistical measurements regarding cones and seeds of Norway spruce originating in the north-eastern Carpathians (Rumania) for study of elite populations. (Fr) World Consultation Forest Genet. Tree Impr. Proc. 1(3/15), 5 p., map. 1963. 99.9 W894  
English summary.
- 102639 EDWARDS, M. V. The use of exotic trees in increasing production with particular reference to north-western Europe. World Consultation Forest Genet. Tree Impr. Proc. 1(4/2), 6 p. Ref. 1963. 99.9 W894
- 102640 ENESCU, V., BIRLANESCU, E., and COSTEA, A. Selection of certain elite populations of *Robinia-false acacia* [*Robinia pseudoacacia*] and possibilities of their vegetative propagation. (Fr) World Consultation Forest Genet. Tree Impr. Proc. 1(4/10), 6 p. 1963. 99.9 W894  
English summary.  
By grafting.
- 102641 FOREST GENETICS WORKSHOP, MACON, GA., 1962. Proceedings. Savannah, Ga., 1963. 98 p. (Committee on Southern Forest Tree Improvement. Sponsored Publication No. 22) 99.9 F7629
- 102642 FROLAND, A. Packing of forests plants at Sonsterud Planteskole. (No) Arsskr. f. Norske Skogplantesk. 1963:118-121. 1964. 99.9 N8122
- 102643 FUKUHARA, N. Inheritance of needles discoloration of sugi (*Cryptomeria japonica* D. Don). World Consultation Forest Genet. Tree Impr. Proc. 1(1/7), 6 p. 1963. 99.9 W894
- 102644 GABRIEL, W. J. Selection of sugar maples for high sugar content in sap—development of procedures. Noeast. Forest Tree Impr. Conf. Proc., 11th Conf.:8-11. 1963, pub. 1964. 99.9 N8123
- 102645 GAILIS, YA. YA. Pine seed orchards in Latvia. (Rus) Lesn. Khoz. 2:47-50. Feb. 1964. 99.8 L5622
- 102646 GALEVICH, V. A. Grafting of wild growing forest fruit trees. (Rus) Lesn. Khoz. 11:40-42. Nov. 1963. 99.8 L5622



- 102647 GATHERUM, G. E., and JENSEN, K. F. Scotch pine [*Pinus sylvestris*] provenance trial in southeast Iowa. Iowa State J. Sci. 38(4):405-413, map. Ref. May 15, 1964. 470 Io9
- 102648 GEORGIEVSKII, A. N., and YARKIN, V. P. Regional utilization of pine seeds from Kurovskoye seed orchard. (Rus) Lesn. Khoz. 2:50-52, map. Feb. 1964. 99.8 L5622
- 102649 GIRGIDOV, D. YA. A case of bisexuality in Scotch pine. (Rus) Lesn. Khoz. 11:65. Nov. 1963. 99.8 L5622
- 102650 GORDON, A. G. The nutrition and growth of ash, *Fraxinus excelsior*, in natural stands in the English Lake District as related to edaphic site factors. J. Ecol. 52(1):169-187, map. Ref. Mar. 1964. 450 J829
- 102651 GREENE, J. T., and PORTERFIELD, H. D. Selection and progeny testing for early cone production in loblolly [*Pinus taeda*] and slash pines [*Pinus elliotii*]. Forest Genet. Workshop. Proc., 1962:9-10. 99.9 F7629
- 102652 HADDERS, G. Some causes of variation in the initial development of Scots pine (*Pinus sylvestris* L.). World Consultation Forest Genet. Tree Impr. Proc. 1(2a/8), 10 p. 1963. 99.9 W894
- 102653 HANOVER, J. W., and BARNES, B. V. Heritability of height growth in year-old western white pine. Forest Genet. Workshop. Proc., 1962:71-76. Ref. 1963. 99.9 F7629
- 102654 HANOVER, J. W. New developments in breeding western white pine. II. Biochemistry of rust resistance. Forest Genet. Workshop. Proc., 1962:76-78. Ref. 1963. 99.9 F7629
- 102655 HARLOW, W. M., COTE, W. A., and DAY, A. C. The opening mechanism of pine cone scales. J. Forestry 62(8):538-540. Aug. 1964. 99.8 F768
- 102656 HATTEMER, H. H. Estimates of heritability published in forest tree breeding research. World Consultation Forest Genet. Tree Impr. Proc. 1(2a/3), 14 p. Ref. 1963. 99.9 W894
- 102657 HEIT, C. E. Testing seed sources of Scotch pine and other conifers. Amer. Christmas Tree Growers' J. 8(1):22-23, 49. Feb. 1964. 99.9 C46
- 102658 HELENIUS, O. A poor seed year for coniferous trees. (Sw) Skogsbruket 31(4):9-11, map. 1964. 99.8 Sk59  
Finland.
- 102659 HODGSON, L. M. Initiating a breeding programme with *Pinus patula* in Southern Rhodesia. World Consultation Forest Genet. Tree Impr. Proc. 1(4/3), 7 p. 1963. 99.9 W894
- 102660 HOLLOWAY, J. T. The forests of the South Island: the status of the climatic change hypothesis. New Zeal. Geog. 20(1):1-9. Ref. Apr. 1964. 331.8 N48  
Effects of climate and regeneration.
- 102661 HOLST, M. Growth of Norway spruce (*Picea abies* (L.) Karst.) provenances in eastern North America. Can. Dept. Forest. Publication 1022, 15 p. Ref. 1963. 99.9 C1628P
- 102662 HOLST, M. Growth of Norway spruce (*Picea abies* (L.) Karst.) provenances in eastern north America. World Consultation Forest Genet. Tree Impr. Proc. 1(3/3), 11 p. Ref. 1963. 99.9 W894
- 102663 HOLZER, K. The height growth in seedlings of *Picea abies* (L.) Karst; a possibility to determine the maternal portion. World Consultation Forest Genet. Tree Impr. Proc. 1(2a/7), 7 p. 1963. 99.9 W894
- 102664 HOLZER, K. *Pinus cembra* L. as a pioneer at timberline in the European Alps. World Consultation Forest Genet. Tree Impr. Proc. 1(3/13), 3 p. Ref. 1963. 99.9 W894
- 102665 HSU, H. C., and CHENG, C. P. A study on the natural regeneration of *Pinus tabulaeformis* in the Cheng-te area of Hopei Province. (Ch) Lin Yeh K'o Hsueh 8(2/4):223-237. Ref. Apr./Oct. 1963. 99.8 L632  
Russian summary.
- 102666 HUNT, C. M. Sex conditions in white ash *Fraxinus americana* L. Noeast. Forest Tree Impr. Conf. Proc., 11th Conf.:4-9. 1963, pub. 1964. 99.9 N8123
- 102667 HYUN, S. K., and YIM, K. B. On the fertilization in the crossings of *Pinus rigida* with *P. taeda*, *P. radiata* and *P. elliotii*. World Consultation Forest Genet. Tree Impr. Proc. 1(2b/3), 10 p. Ref. 1963. 99.9 W894
- 102668 HYUN, S. K., and KIM, C. S. Some characteristics of autotetraploids of tree species induced by colchicine treatment. Korea. Hak'sulwon. Nonmunjip Cha'yon Kwa'hak P'yon 4:89-111. Ref. Sept. 1963. 513 K84N
- 102669 HYUN, S. K., and KIM, C. S. Some characteristics of autotetraploids of tree species induced by colchicine treatment. World Consultation Forest Genet. Tree Impr. Proc. 1(1/3), 16 p. Ref. 1963. 99.9 W894
- 102670 IRGENS-MOLLER, H. Douglas-fir archives and their use in tree improvement. World Consultation Forest Genet. Tree Impr. Proc. 1(3/8), 4 p. 1963. 99.9 W894  
Provenance records.
- 102671 IROSHNIKOV, A. I. Forecasting the yields of seeds of Siberian pine. (Rus) Lesn. Khoz. 11:23-27. Nov. 1963. 99.8 L5622  
Use of nomograms.
- 102672 ISHIN, D. P., and others. Vyrashchivanie posadochnogo materiala dlya zashchitnogo lesorazvedeniya [Growing planting stock for shelterbelt afforestation]. Moskva, Izdatel'stvo Sel'skokhozyaistvennoi Literatury, Zhurnalov i Plakatov, 1963. 406 p., map. Ref. 99.47 Is3V  
G. Ya. Mattis, T. A. Zheltikova, and F. A. Pavlenko, joint authors.
- 102673 JOHNSON, H. Arrangement and design of field experiments in progeny testing. World Consultation Forest Genet. Tree Impr. Proc. 1(2a/1), 8 p. Ref. 1963. 99.9 W894
- 102674 KARPIK, N. I. Additional protection of grafted areas. (Rus) Lesn. Khoz. 5:82. May 1964. 99.8 L5622  
Polyethylene films for Scotch pine.
- 102675 KENNEDY, J. Tree planting in the Upper Hunter District. Forest & Timber 1(4):2-5. May 1964. 99.8 F7634
- 102676 KHOSHOO, T. N. Cytogenetical evolution in conifers. World Consultation Forest Genet. Tree Impr. Proc. 1(1/2), 5 p. Ref. 1963. 99.9 W894
- 102677 KIELLANDER, C. L. Experiences and present situation of foreign tree species and provenances in Sweden. World Consultation Forest Genet. Tree Impr. Proc. 1(4/6), 19 p., map. Ref. 1963. 99.9 W894
- 102678 KOKHTENKO, M. A. Regeneration of European alder in Ukrainian Polesye. (Rus) Lesn. Khoz. 5:10-12. May 1964. 99.8 L5622
- 102679 KRIEBEL, H. B. Selection for drought resistance in sugar maple. World Consultation Forest Genet. Tree Impr. Proc. 1(3/9), 5 p. Ref. 1963. 99.9 W894
- 102680 KRIEBEL, H. B. Verifying species hybrids in the white pines. Forest Genet. Workshop. Proc., 1962:49-54. 1963. 99.9 F7629  
Statistical methods used.
- 102681 LACAZE, M. Account of early tests on the resistance of *Eucalyptus* species to active limestone in the soil. (Fr) World Consultation Forest Genet. Tree Impr. Proc. 1(4/8), 10 p. 1963. 99.9 W894  
English summary.
- 102682 LANGLET, O. Practical results and current problems in provenance research in Sweden. World Consultation Forest Genet. Tree Impr. Proc. 1(3/1), 10 p. Ref. 1963. 99.9 W894  
*Pinus sylvestris* and *Picea excelsa*.
- 102683 LI, W. H. The light conditions under various types of forests and its influence on the growth of young trees. (Ch) Lin Yeh K'o Hsueh 8(2/4):310-320. Ref. Apr./Oct. 1963. 99.8 L632  
Russian summary.
- 102684 LING, C. W. A preliminary study on the introduction of *Populus euphratica* for the salty land along the northern coast. (Ch) Lin Yeh K'o Hsueh 8(2/4):248-255. Apr./Oct. 1963. 99.8 L632
- 102685 LISENKOV, A. F. Preplanting treatment of forest tree seeds with ultrasound. (Rus) Lesn. Khoz. 5:33-36. May 1964. 99.8 L5622  
*Larix sibirica* and *Acer negundo*.



- 102686 LISTOV, A. A. Processing of pine cones taking in consideration their morphological peculiarities. (Rus) Lesn. Khoz. 11:29-31. Nov.1963. 99.8 L5622  
For seed production.
- 102687 LOKEN, A. On the weight of a thousand forest trees seeds. (No) Arsskr. f. Norske Skogplantesk. 1963:109-115. 1964. 99.9 N8122
- 102688 MACARTHUR, J. D. A study of regeneration after fire in the Gaspé region. Can. Dept. For-est. Publication 1074,20 p. 1964. 99.9 C1628P
- 102689 MARUSOV, A. A. Planting of Coniferae in southern area of the middle Urals. (Rus) Lesn. Khoz. 5:31-33. May 1964. 99.8 L5622
- 102690 MEEKINS, E. H. Some essentials of machine planting. Amer. Christmas Tree Growers' J. 8 (1):8-9,54. Feb.1964. 99.9 C46
- 102691 MERGEN, F., and STAIRS, G. R. Cumulative radiation effects on sexual reproduction in pine and oak. Forest Genet. Workshop. Proc., 1962:79-87. 1963. 99.9 F7629
- 102692 MERGEN, F. Evaluation of spontaneous, chemical, and radiation-induced mutations in Pinaceae. World Consultation Forest Genet. Tree Impr. Proc. 1(1/1),14 p. Ref. 1963. 99.9 W894
- 102693 MESHECHOK, B. Forest planting in forest furrows on marshes lessens frost injuries to planted trees. (No) Skogeieren 51(3):10-12. Mar.1964. 99.81 Sk5
- 102694 MICHEV, B. Forest seed production in Bulgaria. (Rus) Lesn. Khoz. 11:94. Nov.1963. 99.8 L5622
- 102695 MISHCHENKO, B. P. Forecasting the yields of seeds of Siberian fir. (Rus) Lesn. Khoz. 11:28-29. Nov.1963. 99.8 L5622  
Use of nomograms.
- 102696 MISHUKOV, N. P. On the use of small cones and seeds. (Rus) Lesn. Khoz. 11:31-33. Nov. 1963. 99.8 L5622  
Pine.
- 102697 MOFFETT, A. A., and NIXON, K. M. One parent progeny testing with black wattle (*Acacia mearnsii* de Wild). World Consultation Forest Genet. Tree Impr. Proc. 1(2a/5),12 p. 1963. 99.9 W894
- 102698 MOULOPOULOS, C., and BASSIOTIS, C. Investigations on crossability of some Mediterranean pines and the American red pine. World Consultation Forest Genet. Tree Impr. Proc. 1(2b/10),7 p. 1963. 99.9 W894
- 102699 MUHLE LARSEN, C. Considerations on the improvement of the genus *Populus*, especially from the Aigeiros Section. (Fr) World Consultation Forest Genet. Tree Impr. Proc. 1(2b/9), 8 p. 1963. 99.9 W894  
English summary.
- 102700 NAPALKOV, N. V. Varietal testing and introduction of promising aspen species in the middle Volga area. (Rus) Lesn. Khoz. 3:30-32. Mar.1964. 99.8 L5622
- 102701 NICOTA, B. Anatomical research on leaves as a complement to the morphological knowledge as a subordinate systematic unit on populations of Austrian pine [*Pinus nigra*]. (Fr) World Consultation Forest Genet. Tree Impr. Proc. 1(3/11),10 p. 1963. 99.9 W894  
English summary.
- 102702 NILSSON, B. O. Intraspecific hybridization and heterosis within *Picea abies*. World Consultation Forest Genet. Tree Impr. Proc. 1(2b/6), 9 p. 1963. 99.9 W894
- 102703 NOHARA, Y. On the growth of artificial hybrids of sugi *Cryptomeria japonica*. World Consultation Forest Genet. Tree Impr. Proc. 1(2b/7),8 p. 1963. 99.9 W894
- 102704 NORTHEASTERN FOREST TREE IMPROVEMENT CONFERENCE, 11, NEW BRUNSWICK, N. J., 1963. Proceedings. Upper Darby, Pa., 1964. 62 p. Ref. 99.9 N8123
- 102705 NORWAY. SKOGVESENEN. Arsskrift 1963 for Norske skogplanteskoler [Yearbook 1963 for Norwegian forest nurseries]. Oslo, 1964. 128 p. 99.9 N8122
- 102706 NYMÄLM, B. Iceland and its forests. (Sw) Skogsbruket 34(2):51-52. 1964. 99.8 Sk59  
Chiefly reforestation.
- 102707 PAAL, H. Reconstructing the forest stands of Suur Manamagi. (Es) Eesti Loodus 6:346-347. Nov./Dec.1963. 409.6 Ee7
- 102708 PAULEY, S. S. Performance of some aspen seed sources and hybrids in eastern Massachusetts. World Consultation Forest Genet. Tree Impr. Proc. 1(2b/2),17 p. Ref. 1963. 99.9 W894
- 102709 PAVLENKO, F. A. Culture of seedlings of European alder. (Rus) Lesn. Khoz. 1:46-47. Jan.1964. 99.8 L5622
- 102710 PINCHUK, A. M. Scale for differential evaluation of natural reforestation. (Rus) Lesn. Khoz. 3:17-19. Mar.1964. 99.8 L5622
- 102711 PODOPRIGORA, A. S., and CHEREDNICHENKO, I. T. Experience in the reforestation of the Dnieper flood plain. (Rus) Lesn. Khoz. 10:76-77. Oct.1963. 99.8 L5622
- 102712 PODZOROV, N. V. Concrecence of root system of pines of various provenances planted under direction of V. D. Ogievskii [1913]. (Rus) Lesn. Khoz. 10:29-30. Oct.1963. 99.8 L5622
- 102713 PRAVDIN, L. F. The geographical variation, the intraspecific taxonomy and the breeding of Scots pine (*Pinus sylvestris* L.). World Consultation Forest Genet. Tree Impr. Proc. 1 (3/14),6 p. 1963. 99.9 W894
- 102714 PREOBRAZHENSKII, A. V. Artificial regeneration of valuable species using large seedlings without preparation and cultivation of soil. (Rus) Lesn. Khoz. 4:39-43. Apr.1964. 99.8 L5622
- 102715 PROKAZIN, E. P. Varietal seed production of conifers. (Rus) Lesn. Khoz. 11:20-22. Nov. 1963. 99.8 L5622
- 102716 PRYOR, L. D. Provenance in tree improvement with particular references to *Eucalyptus*. World Consultation Forest Genet. Tree Impr. Proc. 1(3/2),6 p. 1963. 99.9 W894
- 102717 QURAIISHI, M. A., IMAM, S. M., and KHAN, S. A. Cultivation trials of *Rhus typhina* Linn (staghorn sumac) in west Pakistan. Pakistan. J. Forestry 14(3):172-177. Ref. July 1964. 99.8 P17
- 102718 REINES, M. Photosynthetic efficiency and vigor in pines: variation. Forest Genet. Workshop. Proc., 1962:14-15. 1963. 99.9 F7629
- 102719 REPORT of the NEFTIC committee on improvement of Virginia pine. Noeast. Forest Tree Impr. Conf. Proc., 11th Conf.:55-58. 1963, pub. 1964. 99.9 N8123
- 102720 ROHMEDER, E. Experiments on forest tree hybrids in Bavaria from 1936 to 1962. World Consultation Forest Genet. Tree Impr. Proc. 1(2b/1),6 p. Ref. 1963. 99.9 W894
- 102721 ROMANOVSKII, V. P. Improve seed production in forest establishments of Belorussia. (Rus) Lesn. Khoz. 5:37-39. May 1964. 99.8 L5622
- 102722 RUDEN, T. Results from an 11-year old progeny test with *Picea abies* (L.) Karst in south-eastern Norway. World Consultation Forest Genet. Tree Impr. Proc. 1(2a/9),8 p.,map. 1963. 99.9 W894  
Provenance test.
- 102723 RUGGERI, C. Observations on the bisexual behaviour of a population of *Populus tremula* L. World Consultation Forest Genet. Tree Impr. Proc. 1(1/8),2 p. 1963. 99.9 W894
- 102724 RUSTEN, A. Internal distribution, plant packing and plant distribution. (No) Arsskr. f. Norske Skogplantesk. 1963:92-95. 1964. 99.9 N8122  
Forest seedlings.
- 102725 RUSTEN, A. A packing method. (No) Arsskr. f. Norske Skogplantesk. 1963:116-117. 1964. 99.9 N8122  
For forest seedlings.
- 102726 SADOVNICHII, F. P. Effect of interrow spacing on the effectiveness of pine culture. (Rus) Lesn. Khoz. 4:45-46. Apr.1964. 99.8 L5622
- 102727 SAKAI, K. I., and HATAKEYAMA, S. Estimation of genetic parameters in forest trees without raising progeny. World Consultation Forest Genet. Tree Impr. Proc. 1(2a/4),3 p. 1963. 99.9 W894

- 102728 SCHMIDT, W. Early tests. World Consultation Forest Genet. Tree Impr. Proc. 1(2a/10), 10 p. Ref. 1963. 99.9 W894  
Statistical methods in tree breeding.
- 102729 SCHOBER, R. Experiences with the Douglas fir in Europe. World Consultation Forest Genet. Tree Impr. Proc. 1(4/5), 18 p. Ref. 1963. 99.9 W894  
Provenance tests.
- 102730 SEKAWIN, M. Genetics of poplars. (Fr) World Consultation Forest Genet. Tree Impr. Proc. 1(4/4), 6 p. Ref. 1963. 99.9 W894  
English summary.
- 102731 SEKAWIN, M. Study of tetraploid poplar obtained artificially and its progeny. (Fr) World Consultation Forest Genet. Tree Impr. Proc. 1(1/4), 11 p. 1963. 99.9 W894  
English summary.
- 102732 SHCHERBATYUK, A. S. Effect of root excretions of plants on growth of larch. (Rus) Lesn. Khoz. 10:17-19. Oct. 1963. 99.8 L5622
- 102733 SHUL'GIN, V. A. Physiological peculiarities of pine species characterized by high gum productivity. (Rus) Lesn. Khoz. 2:29-30. Feb. 1964. 99.8 L5622
- 102734 SIMONOV, I. N. Effect of minor elements on growth and development of seedlings. (Rus) Lesn. Khoz. 11:36-37. Nov. 1963. 99.8 L5622
- 102735 SIMS, H. P. Root development of jack pine seedlings on burned-over dry sites in south-eastern Manitoba. Can. Dept. Forest. Publication 1061, 15 p. 1964. 99.9 C1628P
- 102736 SINDELAR, J. Research plots concerning provenances of larch set up by Rubner in Czechoslovakia. (Fr) World Consultation Forest Genet. Tree Impr. Proc. 1(3/10), 6 p. 1963. 99.9 W894  
English summary.
- 102737 SMAGLYUK, K. K. Seed production of beech in northern Bukovina. (Rus) Lesn. Khoz. 11:33-35. Nov. 1963. 99.8 L5622
- 102738 SNYDER, E. B., and ALLEN, R. M. Sampling, nursery, and year-replication effects in a long-leaf pine progeny test. Forest Genet. Workshop. Proc., 1962:26-27. 1963. 99.9 F7629
- 102739 SQUILLACE, A. E., and KRAUS, J. F. Effects of inbreeding on seed yield, germination, rate of germination, and seedling growth in slash pine [*Pinus elliotii*]. Forest Genet. Workshop. Proc., 1962:59-63. 1963. 99.9 F7629
- 102740 STAIRS, G. R., and MERGEN, F. Potential uses of irradiated pollen in forest genetics. Noeast. Forest Tree Impr. Conf. Proc., 11th Conf.:38-41. Ref. 1963, pub. 1964. 99.9 N8123
- 102741 STEPANETS, I. T. Root systems of tree species grown on Dark-Chestnut soils of western Kazakhstan. (Rus) Lesn. Khoz. 1:44-46. Jan. 1964. 99.8 L5622  
European white birch and Chinese elm.
- 102742 STOUT, B. B. Stem-crown relationships in Scotch pine. Noeast. Forest Tree Impr. Conf. Proc., 11th Conf.:31-37. Ref. 1963, pub. 1964. 99.9 N8123  
Review of literature.  
Includes discussion.
- 102743 SWITZER, G. L., and WELL, O. O. Geographic seed origin and early performance of loblolly pine [*Pinus taeda*] on the Northeast Mississippi Experimental Forest. Miss. Agr. Expt. Sta. Inform. Sheet 850, 2 p. May 1964. 100 M69In
- 102744 TAMARI, C. Nutrient metabolism of todomatsu (*Abies sachalinensis* Mast.) seedling. IV. Variation in carbohydrate content of todomatsu seedling in dormant season. Hokkaido U. Col. Expt. Forests. Res. B. 23(1):21-30. Ref. 1963. 99.9 H68
- 102745 THOR, E., and KRING, J. S. Planting and seedling of loblolly pine on steep spoil banks. J. Forestry 62(8):575-576. Aug. 1964. 99.8 F768
- 102746 TIMOFEEV, V. P. Peculiarities of growth of arboreal species during their vegetative period. (Rus) Lesn. Khoz. 2:19-22. Feb. 1964. 99.8 L5622
- 102747 TODA, R. Mass selection and heritability studies in forest tree breeding. World Consultation Forest Genet. Tree Impr. Proc. 1(2a/2), 7 p. 1963. 99.9 W894
- 102748 TODD, G. Douglas-fir seedlings have roots? J. Forestry 62(8):561-563. Aug. 1964. 99.8 F768
- 102749 TROEDSSON, T. On the advance of the coniferous forest in Vombsankan. (Sw) Skanes Nat. 51:98-106, map. 1964. 410 Sk1
- 102750 TYSZKIEWICZ, S. Report on researches undertaken in Poland on Scots pine (*Pinus sylvestris*). World Consultation Forest Genet. Tree Impr. Proc. 1(3/12), 6 p. Ref. 1963. 99.9 W894
- 102751 TYURGASHKIN, I. I., and SPIRIN, V. A. Experience in growing oak as biotype in Mordvinia. (Rus) Lesn. Khoz. 11:38-39. Nov. 1963. 99.8 L5622  
With reference to cluster planting method.
- 102752 VEKSHEGONOV, V. YA. Effectiveness of checkrow planting. (Rus) Lesn. Khoz. 2:67-69. Feb. 1964. 99.8 L5622  
Shelterbelts.
- 102753 VERESIN, M. M., and others. Stoletnii opyt lesorazvedeniya v Saval'skom lesnichestve [Centennial afforestation practices in the Savala Forest Tract]. Moskva, Goslesbumizdat, 1963. 159 p., map. Ref. 99.47 V582S  
M. A. Mamyrin, I. Ya. Shemyakin, and A. N. Yakubyuk, joint authors.
- 102754 VERETENNIKOV, A. V. Physiological peculiarities of the root system of spruce during waterlogging. (Rus) Lesn. Khoz. 11:6-8. Nov. 1963. 99.8 L5622
- 102755 VESELOV, I. V. Natural regeneration and methods of cutting of beech and fir stands in the Adler forest farm. (Rus) Lesn. Khoz. 1:16-19. Jan. 1964. 99.8 L5622
- 102756 VIDAKOVIC, M. Interspecific hybridization of several pine species from the sub-genus *Diploxylon* Koehne. World Consultation Forest Genet. Tree Impr. Proc. 1(2b/5), 5 p. 1963. 99.9 W894
- 102757 VINS, B. Report on the state and preliminary evaluation of Czechoslovak provenance trial plots of Norway spruce in the international series from the year 1938. World Consultation Forest Genet. Tree Impr. Proc. 1(3/6), 10 p. 1963. 99.9 W894
- 102758 VYSKOT, M. Standardisation of methods in provenance research and testing. World Consultation Forest Genet. Tree Impr. Proc. 1(3/5), 7 p. 1963. 99.9 W894
- 102759 WAGG, J. W. B. White spruce regeneration on the Peace and Slave River lowlands. Can. Dept. Forest. Publication 1069, 35 p., map. Ref. 1964. 99.9 C1628P
- 102760 WAKELEY, P. C. Reducing the effects of nursery influences upon provenance tests. Forest Genet. Workshop. Proc., 1962:28-32. Ref. 1963. 99.9 F7629
- 102761 WANG, M. H. Improved planting of *Quercus variabilis*. (Ch) Lin Yeh K'o Hsueh 8(2/4):347-353. Apr./Oct. 1963. 99.8 L632
- 102762 WEST, R. F., and LEDIG, F. T. Lammas shoot formation in Scotch pine. Noeast. Forest Tree Impr. Conf. Proc., 11th Conf.:21-30. 1963, pub. 1964. 99.9 N8123  
Genetic basis for the lammas or midseason shoot formation established.
- 102763 WETTSTEIN-WESTERSHEIM, W. Population genetics-breeding methods. World Consultation Forest Genet. Tree Impr. Proc. 1(2a/6), 5 p. 1963. 99.9 W894
- 102764 WHIPPLE, S. D. Response of yellow-poplar [*Liriodendron tulipifera*] to seedbed preparation. Highlights Agr. Res. [Ala. Sta.] 11(3):16. Fall 1964. 100 AL1H
- 102765 WORLD CONSULTATION ON FOREST GENETICS AND TREE IMPROVEMENT, STOCKHOLM, 1963. Proceedings, v. 1. Rome, 1963. various paging. (Food and Agriculture Organization of the United Nations. FAO/FORGEN-63) 99.9 W894



- 102766 WRIGHT, J. W. The design of field tests. World Consultation Forest Genet. Tree Impr. Proc. 1(3/4), 6 p. 1963. 99.9 W894 Provenance research.
- 102767 WRIGHT, J. W. Geographic variation in Scotch pine. Amer. Christmas Tree Growers' J. 8(1): 6-7, 58-62. Feb. 1964. 99.9 C46 Progeny tests.
- 102768 WRIGHT, J. W. Selective breeding and the production of new forest tree varieties. Agr. Sci. Rev. 1(1):27-37. Ref. Fall 1963. A31.3 Ag893
- 102769 YANG, Y. P., and others. A study of pine regeneration in Szechuan and Yunnan. (Ch) Lin Yeh K'o Hsueh 8(2/4):238-247. Ref. Apr./Oct. 1963. 99.8 L632  
J. C. Hsu, C. P. Li, and Y. S. Chung, joint authors.
- 102770 YAROSLAVTSEV, V. F. Regeneration of forest after cuttings in the Lukhovitsy state forestry establishment. (Rus) Lesn. Khoz. 2:24-26. Feb. 1964. 99.8 L5622
- 102771 YEH, P. C. An inter-generic cross between Cunninghamia and Cryptomeria. (Ch) Lin Yeh K'o Hsueh 8(2/4):214-222. Apr./Oct. 1963. 99.8 L632  
English summary.
- 102772 YIM, K. B. Sensitivity of pine seed to neutron, gamma- and X-ray irradiation. World Consultation Forest Genet. Tree Impr. Proc. 1(1/6), 9 p. 1963. 99.9 W894  
Effect on germination.
- 102773 YUDIN, V. G. The effect of storage conditions on the germination of maple seeds. (Rus) Bot. Zhur. [Moscow] 49(6):877-881. June 1964. 451 R923
- 102774 ZAKLETSEKII, I. I. Efficient method for extraction of seeds of European larch. (Rus) Lesn. Khoz. 10:61-62. Oct. 1963. 99.8 L5622
- 102775 ZUBOV, YU. P. Artificial regeneration in the Amur Region. (Rus) Lesn. Khoz. 10:73-76. Oct. 1963. 99.8 L5622  
Includes direct seeding.
- 102776 ZUFA, L. Early forecasting for the improvement of trunk shape of black poplar. (Fr) World Consultation Forest Genet. Tree Impr. Proc. 1(2a/11), 9 p. Ref. 1963. 99.9 W894  
English summary.
- Forest Protection and Damage**
- 102777 DUFFY, P. J. B., and FRASER, J. W. Local frost occurrences in eastern Ontario woodlands. Can. Dept. Forest. Publication 1029, 24 p. Ref. 1963. 99.9 C1628P
- 102778 GEORGIEVSKII, N. P. Trees damaged by lightning. (Rus) Lesn. Khoz. 10:47-50. Oct. 1963. 99.8 L5622
- 102779 KARMAZIN, A. U. Aircraft in survey of forests damaged by hurricanes. (Rus) Lesn. Khoz. 5:74. May 1964. 99.8 L5622
- 102780 KULJT, J. Dwarf mistletoes [Arceuthobium] of conifers. U. S. D. A. Misc. P. 939:115-116. Sept. 1963. 1 Ag84M
- 102781 LAURENTIAN FOREST PROTECTIVE ASSOCIATION. Forty-seventh annual report, 1963. Quebec, 1963. 53 p. 99.9 L37  
Text also in French.
- 102782 PLATT, F. B. W., and ROWE, J. J. Damage by the edible dormouse (Glis glis L.) at Wendover forest (Chilterns). Q. J. Forestry 58(3):228-233. July 1964. 99.8 Q2  
Bark stripping on Norway spruce.
- 102783 QUERVAIN, M. DE. Report on the activities of the Eidgenossisches Institut für Schnee- und Lawinenforschung for 1963/64. (Ge) Schweiz. Z. f. Forstw. 115(6/7):399-409. June/July 1964. 99.8 J82  
Includes list of publications by the institute.
- 102784 WENTZEL, K. F. Research on seed quality in fruit formation in fume-infested areas. (Ge) Forsch. u. Beratung, Reihe C, Wiss. Ber. u. Diskussionsbeitr. 5:63-68. 1963. 18 F778  
Study on Fagus silvatica.
- Fire**
- 102785 ARTSYBASHEV, E. S. Detection of forest fires with the help of television. (Rus) Lesn. Khoz. 5:41-42. May 1964. 99.8 L5622
- 102786 BANKS, W. G., and LITTLE, S. The forest fires of April 1963 in New Jersey point the way to better protection and management. Fire Control Notes [Washington] 25(3):3-6. July 1964. 1 F766Fi
- 102787 CHARKINA, A. P. Firebreak-belts from perennial lupine. (Rus) Lesn. Khoz. 4:54-57. Apr. 1964. 99.8 L5622
- 102788 CHESTER, G. S., and HOPKINS, E. J. An unusual potential cause of forest fires. Fire Control Notes [Washington] 25(3):12, 15. July 1964. 1 F766Fi
- 102789 DEVET, D. D. Deer hunters are careful with fire when properly approached. Fire Control Notes [Washington] 25(3):13, 15. July 1964. 1 F766Fi  
South Carolina.
- 102790 EWART, G. F. The emergency backpack kit. Fire Control Notes [Washington] 25(3):10. July 1964. 1 F766Fi  
Fire control.
- 102791 FRASER, D. G. Extinguishers for fires started by power saws. Can. Dept. Forest. Publication 1058, 12 p. 1964. 99.9 C1628P
- 102792 GOLOVIN, V. I. Specific production-economic guide for aerial forest protection. (Rus) Lesn. Khoz. 2:57-58. Feb. 1964. 99.8 L5622  
From fires.
- 102793 GRAHAM, H. E. A portable fire-weather forecast unit for use on back-country fires. Fire Control Notes [Washington] 25(3):11. July 1964. 1 F766Fi
- 102794 HANSBROUGH, T. Human behavior and forest fires. La. State U. Annu. Forestry Symp., 12th Annu. Symp.:22-35. Ref. 1963. 99.9 L935  
Includes discussion.
- 102795 IDLEMAN, M. K. A month to remember. Ohio Woodlands 1(4):4-5, map. Spring 1964. 99.8 Oh34  
Forest fires.
- 102796 KABASHEV, V. N., and LITVINCHUK, L. N. Radio equipment, "Nedra-1" for protection of forests. (Rus) Lesn. Khoz. 5:47. May 1964. 99.8 L5622  
Forest fires.
- 102797 KURBATSKII, N. P. More attention to the problem of protection of Siberian forests from fires. (Rus) Lesn. Khoz. 4:51-53. Apr. 1964. 99.8 L5622
- 102798 KURBATSKII, N. P. On the forest fire in the region affected by the fall of the Tunguska meteorite. (Rus) Lesn. Khoz. 2:59-61, map. Feb. 1964. 99.8 L5622
- 102799 KURNOSOV, E. T. The main tasks of protection of forests from fires in the Russian SFSR. (Rus) Lesn. Khoz. 4:5-10. Apr. 1964. 99.8 L5622
- 102800 MACLEOD, J. C. Planning for forest fire control. Can. Dept. Forest. Publication 1048, 8 p. 1964. 99.9 C1628P
- 102801 MELEKHOV, I. S. Present state of protection of forests from fires and methods of improvement. (Rus) Lesn. Khoz. 4:2-5. Apr. 1964. 99.8 L5622
- 102802 MONOKIN, V. N. Determination of fire danger periods in the Tyumen Region. (Rus) Lesn. Khoz. 5:43-44, map. May 1964. 99.8 L5622
- 102803 MYASOEDOV, N. M. Lookout towers with motorless elevator. (Rus) Lesn. Khoz. 4:71-74. Apr. 1964. 99.8 L5622
- 102804 NOVOBYTOV, A. A. Use of aircraft for control of forest fires. (Rus) Lesn. Khoz. 11:92-94. Nov. 1963. 99.8 L5622
- 102805 PHILLIPS, C. B. Fighting forest fires with air tankers—1963. Calif. Dept. Nat. Resources. Div. Forestry. Fire Control Expt. 7, 33 p. Ref. July 1964. 99.9 C122Fi
- 102806 PRAVDIN, A. M. Economic evaluation of losses from forest fires. (Rus) Lesn. Khoz. 11:52-55. Nov. 1963. 99.8 L5622

- 102807 RODNEY, E. A. Forest fires and fire weather conditions in the Asheville, N.C., Fire Weather District—spring season, 1963. Fire Control Notes [Washington] 25(3):7-9,15, map. July 1964. 1 F766Fi
- 102808 SEASONAL warden's & patrolman's handbook. Maine Forest Serv. Fire Contr. Ser. 2, 71 p., map. 1964. 99.9 M2822
- 102809 SNYTKIN, G. V. Determination of fire hazards in the Timiryazev timber procurement establishment. (Rus) Lesn. Khoz. 1:49-51. Jan. 1964. 99.8 L5622
- 102810 TEREKHOV, F. I. Scientific research work of the Leningrad Nauchno-Issledovatel'skii Institut Lesnogo Khozaystva in the field of forest fire control. (Rus) Lesn. Khoz. 4:48-51. Apr. 1964. 99.8 L5622
- Forest Influences**
- 102811 BELOV, S. V. Evaluation of hygienic role of forests. (Rus) Lesn. Khoz. 1:8-13. Jan. 1964. 99.8 L5622  
As oxygen producing agent.
- 102812 BLACKMARR, W. H., and WHITE, D. P. A 22-year progress report of hydrologic studies on the Rose Lake wooded watershed in southern Michigan. Mich. Agr. Expt. Sta. Q. B. 46(4): 542-569, map. May 1964. 100 M58S  
Study of effects of clear cutting.
- 102813 BOBROVA, L. P. Snow melting and soil moisture of the fields under protection of forest belts in the Kuibyshev area. (Rus) Lesn. Khoz. 3:36-38. Mar. 1964. 99.8 L5622
- 102814 HUNG, C. F., and others. The microclimate of young *Pinus thunbergii*. (Ch) Lin Yeh K'o Hsueh 8(2/4):275-289. Ref. Apr./Oct. 1963. 99.8 L632  
I. C. Wang, S. C. Wu, C. K. Ts'ao, C. K. Huang, H. C. Lin, C. S. Wang, C. H. Wan, and P. L. Chou, joint authors.  
Russian summary.
- 102815 INOUE, Y. Plans of protection forests and farm forests in developing the agriculture of Iriomote Island. (Ja) Kyushu U. Forests. Rpt. 20:149-182, map. Ref. June 1964. 99.9 K994
- 102816 KOVALEV, L. S., and EVSEEVA, R. P. Effect of pure and mixed pine stands on fertility of sandy loam soil. (Rus) Lesn. Khoz. 5:28-31. May 1964. 99.8 L5622
- 102817 LAVROVSKII, G. N., ALEKHIN, V. G., and MAKSIMOV, V. A. Forest shelterbelts for conservation of water in spawning rivers of Sakhalin. (Rus) Lesn. Khoz. 11:8-9. Nov. 1963. 99.8 L5622
- 102818 LOGAN, K. T., and PETERSON, E. B. A method of measuring and describing light patterns beneath the forest canopy. Can. Dept. Forest. Publication 1073, 26 p. Ref. 1964. 99.9 C1628P
- 102819 MEL'CHANOV, V. A. The effect of oak culture on the humus content of Ciscaucasian Chernozem soils. (Rus) Agrobiologiya 2:307-309. Mar./Apr. 1964. 20 Ag822
- 102820 MILLAR, A. Notes on the climate near the upper forest limit in the Northern Pennines. Q. J. Forestry 58(3):239-246, map. July 1964. 99.8 Q2
- 102821 MILOSERDOV, N. M. The effect of the composition of forest belts on crop yields. (Rus) Vest. Sel'skokhoz. Nauk [Moscow] 4:39-44. Ref. 1964. 20 V633  
English summary.  
Includes soil moisture.
- 102822 MILOSERDOV, N. M. Role of field shelterbelts in control of dust storms and dry winds. (Rus) Lesn. Khoz. 10:27-28. Oct. 1963. 99.8 L5622
- 102823 PROTASOV, A. Windbreaks as shield of crops. (Rus) Sel'sk. Khoz. Kazakhstana 4:28-29. 1964. 20 K185  
Chiefly dust storms.
- Miscellaneous Forest Uses**
- 102824 FABRICIUS, H. What the forest demands of the public? (Da) Dansk Skovfor. Tidsskr. 49(4):121-127. Apr. 1964. 99.8 D23
- 102825 KOCH, W. The year of the forester. 10. Forest and wildlife. (Ge) Kosmos 59(10):417-419. Oct. 1963. 474 K842
- 102826 KRIEG, H. Nature protection, forest, and hunting. II. Forest and wildlife. (Ge) Kosmos 60(2):114-120. Feb. 1964. 474 K842
- 102827 MCCURDY, D. R. Income from recreation. Ohio Woodlands 2(1):4-5. Summer 1964. 99.8 Oh34
- 102828 MACDONALD, E. D. Multiple use of state and county lands in Wisconsin. North. Logger 13(2):24, 46. Aug. 1964. 99.81 N812  
Forests, chiefly.
- 102829 MERZ, R. W., and BRAKHAGE, G. K. The management of pin oak [*Quercus palustris*] in a duck shooting area. J. Wildlife Mangt. 28(2): 233-239, map. Apr. 1964. 410 J827  
Missouri.
- 102830 MITCHELL, J. B. Scenic site for outdoor recreation. Ohio Woodlands 1(2):13, map. Autumn 1963. 99.8 Oh34
- 102831 PATTON, D. R., and MCGINNIS, B. S. Deer browse relative to age and intensity of timber harvest. J. Wildlife Mangt. 28(3):458-463. Ref. July 1964. 410 J827
- 102832 PROKOPENKO, P. M., and DOTSENKO, A. P. Intelligent utilization of natural resources of Crimean forests. (Rus) Lesn. Khoz. 4:25-28. Apr. 1964. 99.8 L5622  
Includes wildlife management.
- 102833 RIEBOLD, R. J. Managing picnickers and campers. La. State U. Annu. Forestry Symp., 12th Annu. Symp.:53-59. 1963. 99.9 L935
- 102834 SHARP, L. A., and BAKER, J. P. Grazing investigations at Point Springs Area in southern Idaho. Idaho. U. Forest, Wildlife & Range Expt. Sta. Res. Notes 21, 11 p. June 1964. 99.9 Id14R
- 102835 SHTIL'MARK, F. R., and others. Data on distribution and population of mammals in middle upland forests of Western Sayan. (Rus) In Akademiya Nauk. SSSR. Institut Lesa i Drevesiny. Zashchita lesov Sibiri ot nasekomykh-vreditel'ei, p.195-207. Ref. 1963. 423 Ak13  
G. A. Sokolov, A. I. Khlebnikov, and N. P. Elistratova, joint authors.
- 102836 SHTIL'MARK, F. R. Data on distribution of rodent fauna according to biotypes in the taiga zone of Lena River area. (Rus) In Akademiya Nauk, SSSR. Institut Lesa i Drevesiny. Zashchita lesov Sibiri ot nasekomykh-vreditel'ei, p.208-215. 1963. 423 Ak13
- 102837 VESSEY, J. K. Outdoor recreation: boon or bane. La. State U. Annu. Forestry Symp., 12th Annu. Symp.:94-106. 1963. 99.9 L935
- 102838 WILDERNESS CONFERENCE. 8TH, SAN FRANCISCO, 1963. Tomorrow's wilderness. [Proceedings]. San Francisco, Sierra Club, 1963. 262 p. 99.9 W64
- 102839 YANCEY, R. K. Managing forest hunters. La. State U. Annu. Forestry Symp., 12th Annu. Symp.:60-71. 1963. 99.9 L935
- FOREST INDUSTRIES AND TRADE**
- 102840 GILLET, C. A. What the people of the South think of the forest industries. La. State U. Annu. Forestry Symp., 12th Annu. Symp.:14-21. 1963. 99.9 L935
- 102841 HARDWICK, W. G. Geography of the forest industry of coastal British Columbia. Vancouver, 1963. 91 p., map. Ref. (British Columbia. University. Dept. of Geography. Occasional papers in geography, No. 5) 99.76 H224  
History.
- 102842 KUNNALA, J. Outlook for the lumber and pulp market. (Sw) Skogsbruket 34(2):55-57. 1964. 99.8 Sk59  
Chiefly Finnish export.
- 102843 MORELLET, J. Development of the industrial uses and trade in tropical woods in Europe during the past years. (Fr) Cameroun Agr. Past. et Forest. 71:18-24. Dec. 1963/Jan. 1964. 24 C353



- 102844 SCHRAMM, W. The export troubles of wood-working industries. (Ge) Holz-Zentbl. 90(84): 1401-1402. July 13, 1964. 99.81 H742
- 102845 SOME features of the development in the Finnish forest industry during 1963. Finn. Paper & Timber 15(5):77-91. 1964. 302.8 F49
- 102846 UNITED NATIONS. ECONOMIC AND SOCIAL COUNCIL. ECONOMIC COMMISSION FOR AFRICA. African timber trends and prospects; preliminary report on Western Africa and Equatorial East Africa. Addis Ababa, 1964. 212 p. (United Nations. E/CN.14/272) 99.75 Un332
- 102847 U. S. BUSINESS AND DEFENSE SERV. ADMIN. United States lumber exports, 1962. Washington, 1964. 14 p. 157.32 Un32
- 102848 URIBE, S. E. Forest exploitation in various countries of the world—abuses and results—urgent need for reforestation. (Sp) Soc. Geog. de Columbia. B. 21(77/78):3-18. First Semes. 1963. 475 So13
- 102849 WEGELIUS, T. Lumber requirements of the forest industries and future prospects of forestry. (Sw) Skogsbruket 31(4):22-25. 1964. 99.8 Sk59  
Finland.
- Lumbering and Logging
- 102850 BERGSTEN, G. Development of logging productivity in the decennial 1953-1962 with special reference to the importance of training loggers. (Da) Dansk Skovfor. Tidsskr. 49(2): 33-45. Feb. 1964. 99.8 D23
- 102851 BERGSTEN, G. Preliminary time and motion studies of spruce logging carried out at Kronborg forest district in the period November 1962-May 1963. (Da) Dansk Skovfor. Tidsskr. 49(5):133-148. May 1964. 99.8 D23  
In connection with wages of loggers.
- 102852 CAMPBELL, J. An introduction to bundling industrial wood. Q. J. Forestry 58(3):218-227. July 1964. 99.8 Q2
- 102853 CANADIAN PULP AND PAPER ASSOCIATION. WOODLANDS SECT. 1964 Logging Field Meeting; full-tree, tree-length and short-wood logging equipment. Pulp & Paper Mag. Canada 65(8):WR330-WR333,WR338,WR340-WR341. Aug. 1964. 302.8 P96  
Sponsored jointly by the American Pulpwood Association, Lake States Technical Committee.
- 102854 CHARD, R. Thetford tongs for timber extraction. Q. J. Forestry 58(3): 233-238. July 1964. 99.8 Q2
- 102855 CRAIG, G. A., and MACKENZIE, D. E. Industry men claim that log trucking costs are too low as used in Forest Service appraisals. West. Conserv. J. 20(5):50-52. Oct. 1963. 279.8 W526
- 102856 GRAMMEL, R. Debarking extremely soft exportwood. (Ge) Allg. Forstz. 19(28):417-418. July 11, 1964. 99.8 AL52  
Includes equipment.
- 102857 HARRINGTON, L. Latest logging methods employed by Bowater's at Corner Brook. Canad. Pulp & Paper Indus. 17(7):47-49. July 1964. 302.8 W52
- 102858 HODGES, G. Logging in 15-ft. high brush. Pulp & Paper 38(27):40-41. Aug. 17, 1964. 302.8 P11  
North Carolina.
- 102859 HURST, J. W. Law and economic growth; the legal history of the lumber industry in Wisconsin 1836-1915. Cambridge, Mass., Belknap Press, 1964. 946 p. Ref. 99.76 H94
- 102860 JACQUIOT, A. A propos of the public utility enquiry for putting in condition the road of Pave de la Cave (Mayoralty of Fontainebleau). (Fr) Acad. d'Agr. de France. Compt. Rend. 50(6): 583-585. Apr. 8/15, 1964. 14 P215Bc  
Forest road.  
Includes discussion.
- 102861 KELSO, E. Implications of harvesting in timber management. North Logger 13(2):22-23,38, 40. Aug. 1964. 99.81 N812
- 102862 KOHLER, S. Experiments with a combination of "Valmet" terrain tractor and "Rysky" carriage. (Fi) Metsataloudellinen Aikakauslehti 81(5):215-217,229. May 1964. 99.9 F49  
English summary.  
For log transportation.
- 102863 KRICK, I. P. Loggers get long range benefits from engineered weather service. West. Conserv. J. 20(5):46-49. Oct. 1963. 279.8 W526
- 102864 LINDFORS, J. The forest industry's long-distance transport of wood. Finn. Paper & Timber 15(5):93-95. 1964. 302.8 F49
- 102865 MCKAY, M. R. Tree-length logging at Valora. Pulp & Paper Mag. Canada 65(8):WR342, WR344-WR346. Aug. 1964. 302.8 P96
- 102866 MALMBERG, C. E. The wheel tractor in forestry. (Sw) Jord och Skog 16(1):28-31,46. (Concl.) 1964. 58.8 M373
- 102867 MIKHAILOV, S., VASILEV, V. D., and PEICHINOV, G. Light half-stable underslung cableway established on firm supports. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Gornata. Izv. 14:143-175. Ref. 1963. 99.9 B872  
German summary.  
Log hauling.
- 102868 MUSHKETIK, L. M. Methods of calculation of complex production standards. (Rus) Lesn. Khoz. 1:58-61. Jan. 1964. 99.8 L5622  
Logging labor.
- 102869 NAGODA, L. Mechanized strip-random cutting in shelterwoods. (No) Skogeieren 51(3):22. Mar. 1964. 99.81 Sk5  
USSR.
- 102870 NORTHEASTERN LOGGERS' CONGRESS, 10, UTICA, NEW YORK. [Proceedings]. North. Logger 13(2):14-19,35,39. Aug. 1964. 99.81 N812  
Banquet address: A short commentary of building forest resources by S. Adams; Session 1. Reducing the costs of logs and logging, by R. Bramhall, moderator and F. J. Bencze and N. Olmsted.
- 102871 SAMARTSEV, A. YA. Highly productive equipment for improvement cutting. (Rus) Lesn. Khoz. 5:61-64. May 1964. 99.8 L5622
- 102872 SAVCHENKO, A. M., and BUTKUTE, A. P. Advantages of hauling logs by tree tops. (Rus) Lesn. Khoz. 1:67-71. Jan. 1964. 99.8 L5622
- 102873 TANTTU, O. Factors effecting upon the labour costs of floating. (Fi) Metsataloudellinen Aikakauslehti 81(5):197-201, map. May 1964. 99.9 F49  
English summary.  
Logs.
- 102874 TOIVONEN, T. Direction of development -- from land to water or from water to land. (Fi) Metsataloudellinen Aikakauslehti 81(5):187-188, 191-194, 205. May 1964. 99.9 F49  
English summary.  
Transportation of logs by water, trucks, and railways.
- 102875 VARIS, T. Paijanne canalization undertaking from the point of view of the floater. (Fi) Metsataloudellinen Aikakauslehti 81(5):207-209, 229, map. May 1964. 99.9 F49  
English summary.
- 102876 ZEVAKHIN, A. N., and SHISHEGOV, L. S. Tractor "Belarus" used for hauling of wood after improvement cutting. (Rus) Lesn. Khoz. 11:60-62. Nov. 1963. 99.8 L5622
- Sawmills
- 102877 ANDERSON, N. A., and FRENCH, D. W. Debarking jack pine [Pinus banksiana] with sweet-fern rust [Cronartium comptoniae]. Plant Dis. Rptr. 48(7):530-531. July 15, 1964. 1.9 P69P
- 102878 GULOWSEN, K. What do we gain by sawing the timber with thinner cut and more precision? (No) Norsk Skogindus. 18(6):210-211. June 1964. 99.82 N81
- 102879 HETTERICH, G. Structural changes in the sawmill industry. (Ge) Holz-Zentbl. 90(87): 1445-1446. July 20, 1964. 99.81 H742

- 102880 HUDDLESTON, E. B. Sawmill production and planned cutting patterns. *Forest & Timber* 1 (4):6-8. May 1964. 99.8 F7634 Australia.
- 102881 KOCH, P. Square cants from round bolts without slabs or sawdust. *Forest Prod. J.* 14(8):332-336. Aug. 1964. 99.9 F7662J
- 102882 PY, M. Sawmill industry of France in shrinking process. (Ge) *Holz-Zentbl.* 90(89):1473-1474. July 24, 1964. 99.81 H742
- 102883 WEDDING, K. U. European sawmill industry as deliverer of industrial wood. (Ge) *Holz-Zentbl.* 90(88):1461-1463. July 22, 1964. 99.81 H742

#### Processing and Woodworking

- 102884 KENNEDY, D. E. Research on mechanical fasteners for residential construction in Canada. Can. Dept. Forest. Publication 1071, 13 p. 1964. 99.9 C1628P Includes nails.

#### Seasoning, Conditioning and Finishing

- 102885 THE AIR seasoning of timbers, poles and ties: (a study of the air-seasoning rate and moisture gradient in the Southern Coast Region of British Columbia). Can. Dept. Forest. Publication 1030, 11 p. 1963. 99.9 C1628P
- 102886 CANADA, DEPT. OF FORESTRY. FOREST PRODUCTS RESEARCH BR. Kiln-drying in eastern Canada. *Canad. Forest Indus.* 84(7):25-29. July 1964. 99.81 C16
- 102887 HANN, R. A. Drying yellow-poplar at temperatures above 100°C. *Forest Prod. J.* 14(5):215-220. Ref. May 1964. 99.9 F7662J
- 102888 HUNT, M. O., and PERKINS, R. H. A means of providing treated wood products for farm and home outdoor use. *North. Logger* 13(2):20, 42-43. Aug. 1964. 99.81 N812
- 102889 KAUMAN, W. G., and MITTAK, G. Problems in drying Chilean coigue. *Forest Prod. J.* 14(8):359-360. Aug. 1964. 99.9 F7662J *Nothofagus dombeiyi*.
- 102890 RESCH, H., and ECKLUND, B. A. Accelerating the drying of redwood lumber. *Calif. Agr. Expt. Sta. B.* 803, 27 p. Ref. July 1964. 100 C12S
- 102891 WARD, D., and ANDERSON, R. C. Dry wood parts in minutes. *Hitchcock's Wood Working Digest* 68(8):23-27. Aug. 1964. 99.82 W87

#### Wood Preservation and Damage

- 102892 ASLAM, M. Wood preservation. *Sci. Ind.* 1(2):68-75. Ref. Apr. 1963. 475 Sci238
- 102893 BALINT, K. E., and others. Some problems concerning the properties and identification of fungi causing wood decay. (Hu) *Budapest. Kozponti Elelmiszeripari Kutatóintézet. Közlem.* 3:7-13. Ref. 1963. 389.9 B85 K. Vas, Gy. Nagy, E. Andrassy, and Mrs. I. Okros, joint authors. English summary on p. 1.
- 102894 BAVENDAMM, W., and ARNDT, U. Investigations on variability of natural durability of six exotic wood species. (Ge) *Holzforschung* 18(1/2):38-47. Ref. Apr. 1964. 99.8 H74 English summary.
- 102895 BAVENDAMM, W. Wood preservation against fungus and insect attack. (Ge) *Holzwirt. Jahrb.* 13:95-112. Ref. 1964. 99.83 H742 Fiberboard, particle board, and plywood.
- 102896 BRAMHALL, G. Past, present and future of preservative methods for marine piling in B.C. waters. Can. Dept. Forest. Publication 1044:82-99. 1964. 99.9 C1628P Includes discussion.
- 102897 CAEMMERER, W. Protection against moisture and weathering. (Ge) *Holzwirt. Jahrb.* 13:131-162. 1964. 99.83 H742 Prefabricated houses.

- 102898 COURTOIS, H. Studies on impregnation of spruce wood of various origin. (Ge) *Holzforsch. u. Holzverwert.* 16(2):21-29. Ref. Apr. 1964. 99.9 Os72 English summary. With cresote.
- 102899 CSERJESI, A. J., and ROFF, J. W. Retention of pentachlorophenol in lumber dipped in water solutions. *Forest Prod. J.* 14(8):373-376. Ref. Aug. 1964. 99.9 F7662J
- 102900 GIESEKING, E. Simplifying the ordering and testing of wood preservation jobs. (Ge) *Prakt. Schadlingsbekämpfer* 16(1):3-4. Jan. 1964. 421 P882
- 102901 GURD, J. M. Selection and treatment of marine piling. Can. Dept. Forest. Publication 1044:15-22. 1964. 99.9 C1628P Includes discussion.
- 102902 HOFFMAN, C. H. Pressure-treating broadens wood's market potential. *Forest Prod. J.* 14(5):189-191. May 1964. 99.9 F7662J
- 102903 INTERNATIONAL WOOD PRESERVATION CONFERENCE, 8, FREIBURG/BREISGAU, 1963. Selected abstracts of papers. (Ge) *Prakt. Schadlingsbekämpfer* 16(1):5-7. Jan. 1964. 421 P882 Sponsored by the Deutsche Gesellschaft für Holzforschung.
- 102904 JOOP, R. Fire protection. (Ge) *Holzwirt. Jahrb.* 13:163-184. 1964. 99.83 H742
- 102905 KRZYZEWSKI, J. An easy way to preserve fence-posts by sap displacement. Can. Dept. Forest. Publication 1076, 10 p. 1964. 99.9 C1628P
- 102906 MERRILL, W., and FRENCH, D. W. Decay of wood by *Alternaria* and *Penicillium*. *Phytopathology* 54(7):867-868. July 1964. 464.8 P56
- 102907 MERRILL, W., and FRENCH, D. W. Particle size alters cellulose yield in wood decayed by *Lenzites trabea*. *Forest Prod. J.* 14(5):228. May 1964. 99.9 F7662J *Populus tremuloides* chips.
- 102908 NEUBAUER, L. W. More preservative pressure—75-year posts. (Condensed.) *Wood Preserv. News* 42(7):15-16, 18. July 1964. 300.8 W853
- 102909 POHJAKAS, K. Controlling lumber shrinkage in irrigation structures. *Res. Farmers* 9(3):12. Summer 1964. 7 R31
- 102910 QUAYLE, D. B. Marine borers in B.C. coastal waters. Can. Dept. Forest. Publication 1044:1-14. 1964. 99.9 C1628P Includes discussion.
- 102911 RUDMAN, P. The pressure preservative treatment of green radiata pine [*Pinus radiata*]. C. S. I. R. O. *Forest Prod. Newslet.* 307:1-3. May 1964. 99.9 Au722F
- 102912 SCHMIDT, H. Legal problems in connection with practical wood preservation. (Ge) *Prakt. Schadlingsbekämpfer* 15(12):166-171. Dec. 1963. 421 P882

#### FOREST PRODUCTS

- 102913 EVANS, W. J. The wood consumer. *La. State U. Annu. Forestry Symp., 12th Annu. Symp.*:81-93. Ref. 1963. 99.9 L935
- 102914 FOREST PRODUCTS RESEARCH SOCIETY. Abstracts of selected papers to be presented at 18th annual meeting. *Forest Prod. J.* 14(5):8A-11A. May 1964. 99.9 F7662J
- 102915 GUDIM, A. Manifold utilization of forest products in Poland. 5. (No) *Skogeieren* 51(3):14, 43. Mar. 1964. 99.81 Sk5
- 102916 HARTFORD, C. E. Forest farming for a new era. (Excerpt.) *South. Pulp & Paper Mfr.* 27(8):81-82. Aug. 10, 1964. 302.8 So8 With reference to outlook for forest products industry.
- 102917 KING, T. C. Market fluctuations lead to speculation. *New Zeal. Timber J. & Wood Prod. Rev.* 10(11):40, 43. July 1, 1964. 99.81 N482



- 102918 SECREST, P. Human factors in buying stumpage. La. State U. Annu. Forestry Symp., 12th Annu. Symp.:45-52. 1963. 99.9 L935
- 102919 SHKATOV, V. K. New forest prices and unsolved problems of payment by the stump. (Rus) Lesn. Khoz. 4:62-66. Apr.1964. 99.8 L5622
- 102920 SVAHNSTROM, W. The home lumber market. (Sw) Skogsbruket 34(2):45-48. 1964. 99.8 Sk59  
Finland.
- 102921 WEDDING, K. U. Changes in wood marketing in the Federal Republic. (Ge) Holz-Zentbl. 90 (80):1339-1340. July 3,1964. 99.81 H742

#### Lumber and Rough Products

- 102922 BRAMHALL, G. Wooden marine piling; transcript of symposium held at the Vancouver Laboratory, on June 25, 1963. Can. Dept. Forest. Publication 1044,99 p. 1964. 99.9 C1628P
- 102923 CAMPBELL, R. A. Southern yellow pine log grades. South. Lumberman 209(2600):28-30. Aug.1,1964. 99.81 So82
- 102924 CORBETT, L. A. Construction practice—its effect on the life of marine piling. Can. Dept. Forest. Publication 1044:55-74. 1964. 99.9 C1628P  
Includes discussion.
- 102925 DEUTSCHES Holz-Addressbuch, Ausgabe 1962-63 [German lumber directory, 1962-63 edition]. Berlin, 1963. 319 p. 225 D484
- 102926 DODGE, D. P. Timber structures from the viewpoint of owner/designer. Can. Dept. Forest. Publication 1044:47-54. 1964. 99.9 C1628P  
Pilings.
- 102927 GORDON, M. New look in lumber; innovations in products, processes brighten the industry's future. Barron's, Aug.3,1964:5,14-15. 284.8 B27
- 102928 HELLAWELL, C. R. Usage and design of wooden poles; some recent developments in Australia viewed in relation to NZ. New Zeal. Timber J. & Wood Prod. Rev. 10(11):28-29,31-32. July 1,1964. 99.81 N482  
Includes processing.
- 102929 LINDSAY, F. W., and BAGULEY, M. J. A method of grading felled timber. Q. J. Forestry 58(3):255-256. July 1964. 99.8 Q2
- 102930 MJAALAND, O. F. Regulations for the measurements of hardwood and spruce logs are unnecessarily finicky. (No) Skogeieren 51(3):13. Mar.1964. 99.81 Sk5
- 102931 SOUTH AFRICAN LUMBER MILLERS' ASSOCIATION. Twenty-second annual report. Johannesburg, 1963. 54 p. 99.9 So842
- 102932 STEINLIN, H. Value relations of spruce-pine log of various size in forestry and lumber industry. (Ge) Schweiz. Z. f. Forstw. 115(6/7):357-371. June/July 1964. 99.8 J82
- 102933 WALDEN, C. C., and PILES, M. Sonic inspection of marine piles. Can. Dept. Forest. Publication 1044:75-81. 1964. 99.9 C1628P  
Includes discussion.

#### Construction

- 102934 ANDERSON, L. O. Stressed-skin and sandwich-panel units. Forest Prod. J. 14(5):192-194. May 1964. 99.9 F7662J  
For construction.
- 102935 BAUEN mit Fertigteilen aus Holz [Building with prefabricated wood]. Holzwirt. Jahrb. 13,400 p. 1964. 99.83 H742
- 102936 KOLLMANN, F. Wood and fiberboard for the packaged buildings. (Ge) Holzwirt. Jahrb. 13:53-76. 1964. 99.83 H742
- 102937 SKJELMERUD, H. Lumber for building—today and in the future. (No) Norsk Skogindus. 18 (5):181,183-186. May 1964. 99.82 N81

- 102938 STIANSEN, B. A. Wood Bridge features economy and appearance. Wood Preserv. News 42(7):9-10,21. July 1964. 300.8 W853

#### Veneers, Plywood and Adhesives

- 102939 BOSSHARD, H. H. From wood to laminated wood. (Ge) Schweiz. Z. f. Forstw. 115(6/7):372-378. June/July 1964. 99.8 J82  
French summary.
- 102940 CORDER, S. E., and ATHERTON, G. H. Effect of peeling temperature on Douglas fir veneer. Oreg. State U. Forest Res. Lab. Inform. C. 18, 31 p. Ref. Nov.1963. 99.9 Or3522I  
Heat.
- 102941 CURRIER, R. A., MARIAN, J. E., and STUMBO, D. A. Selected bibliography on glues & gluing. Forest Prod. J. 14(5):229-232. May 1964. 99.9 F7662J
- 102942 GILLESPIE, R. H., OLSON, W. Z., and BLOMQUIST, R. F. Durability of urea-resin glues modified with polyvinyl acetate and blood. Forest Prod. J. 14(8):343-349. Aug.1964. 99.9 F7662J
- 102943 HOADLEY, R. B. Influence of certain variables on veneer-cutting behavior. Yale Univ. Sch. Forest. Tech. Rep. 27:538-548. Ref. Dec.1963. 99.9 Y1Tr
- 102944 KOSTUKEVICH, C., and WANGAARD, F. F. Curvature-stress factor in laminated wood beams. Yale Univ. Sch. Forest. Tech. Rep. 28:44-50. Ref. Jan.1964. 99.9 Y1Tr  
From Pseudotsuga menziesii and Tabebuia pentaphylla.
- 102945 MASON, T. C. Fine hardwood veneer log supply picture not bright. Forest Indus. 91(9):43. Aug.1964. 99.81 W52
- 102946 NOGUCHI, M. Research for the improvement of wood (10). Studies on durability of urea resin adhesive (I). On prevention of crack of urea resin adhesive. (Ja) Japan. Forest Expt. Sta. B. 167:43-57. Mar.1964. 99.8 R47  
English summary.  
Plywood.
- 102947 PETERSON, R. W. Wood adhesives. Can. Dept. Forest. Publication 1055,27 p. Ref. 1964. 99.9 C1628P
- 102948 PRINCES RISBOROUGH (ENG.) FOREST PRODUCTS RESEARCH LABORATORY. The durability of glues for plywood manufacture, series V. Princes Risborough, 1964. 12 p. (Its Investigation into Glues and Gluing. Progress report 138) 309 P93
- 102949 SELBO, M. L. Rapid evaluation of glue joints in laminated timbers. Forest Prod. J. 14(8):361-365. Aug.1964. 99.9 F7662J
- 102950 YAGISHITA, M., and OKANISHI, T. Studies on surface checking in plywood. 1. (Ja) Japan. Forest Expt. Sta. B. 167:29-42. Mar.1964. 99.8 R47  
English summary.
- 102951 YAZAWA, K., and others. Studies on the laminated woods made from various hardwoods grown in Hokkaido. I. Straight laminated wooden beams made from dakekanba (Betula sp.), shinanoki (Tilia sp.), yamahan-noki (Alnus sp.) and harunire (Ulmus sp.). (Ja) Hokkaido U. Col. Expt. Forests. Res. B. 23(1):44-82. 1963. 99.9 H68  
H. Miyajima, S. Oto, H. Koda, and M. Izumida, joint authors.  
English summary.

#### Containers

- 102952 HOCHART, B., and VICTOR, J. La caisse clouee en bois scie [The nailed, wooden packing case]. Cent. Tech. du Bois. Cahier (ser.3) 59,29 p. Dec.1963. 99.82 C33

#### Pulp and Paper

- 102953 BENKO, J. The measurement of molecular weight of lignosulfonic acids and related materials by diffusion. IV. Tappi 47(8):508-514. Aug.1964. 302.8 T162  
Kraft lignins.

- 102954 BLACKERBY, L. H. What's new in bleaching. Pulp & Paper 38(30):38-41. Sept. 7, 1964. 302.8 P11
- 102955 BRECHT, W., MAIER, E., and VOLK, W. A new approach to illustrating the optical behavior of groundwood and woodpulp as a function of their degree of beating ("SR"). (Ge) Papier 18(7):298-307. Ref. July 1964. 302.8 P1934  
English summary.
- 102956 CHIDESTER, G. H. The future for pulp and paper. Forest Prod. J. 14(5):232-234. May 1964. 99.9 F7662J
- 102957 CLARK, I. T. Chromatographic separation of phenols on ion-exchange paper. J. Chromatography 15(1):65-69. Ref. June 1964. 475 J824  
Phenols from pulping or lignin sources.
- 102958 COLOMBO, P., and others. The influence of thickness of chips on pulps properties in kraft cooking. Svensk Papperstidn. 67(12):505-511. Ref. June 30, 1964. 302.8 Sv2  
D. Corbetta, A. Pirotta, and G. Ruffini, joint authors.
- 102959 DEDEKAM, A. On flash-drying of woodpulp. (No) Paperi ja Puu 46(5):353-355, 357-358. May 31, 1964. 302.8 P1991  
English summary.
- 102960 DYCK, A. W. J. Advances in sulfite pulping. Paper Indus. 46(4):307. July 1964. 302.8 P1923
- 102961 EYKEN, H. K. VAN. Reflections on the First International Sulphite Pulping Conference. Pulp & Paper Mag. Canada 65(7):86-91, 102. July 1964. 302.8 P96
- 102962 FORSS, K., and FREMER, K. E. The dissolution of wood components under different conditions of sulfite pulping. Tappi 47(8):485-493. Ref. Aug. 1964. 302.8 T162  
Picea abies.
- 102963 GIL, J. Forests of Mozambique; forest species suited to the manufacture of wood pulp: Brachystegia spp. (Por) Gaz. do Agr. 15(171):270-273. Aug. 1963. 24 G25
- 102964 GUHA, S. R. D., and MADAN, R. N. Viscose rayon pulp from paper mulberry (Broussonetia papyrifera) by water prehydrolysis sulphate process. Indian Pulp & Paper 18(12):675-676. June 1964. 302.8 In23
- 102965 GUIDE, R. G., and HOLMES, R. R. The use of sulfamic acid in bleaching kraft pulps. Tappi 47(8):515-518. Aug. 1964. 302.8 T162
- 102966 JANSSON, T. Purchase of pulpwood on the basis of the weight of the absolutely dry wood. (Sw) Skogen [Stockholm] 51(4):102. Feb. 20, 1964. 99.8 Sk51
- 102967 JAYME, G., BROSCINSKI, L., and MATZKE, W. Rapid magnesium bisulfite high-yield pulping of spruce. I. (Ge) Papier 18(7):308-314. Ref. July 1964. 302.8 P1934  
English summary.
- 102968 KLEINERT, T. N. Rapid alkaline pulping. Pulp & Paper Mag. Canada 65(7):T275-T283. Ref. July 1964. 302.8 P96
- 102969 LAMARRE, J. V. Planned pitch control, initiation and follow-through of a four phase program. Pulp & Paper 38(28):26-27. Aug. 24, 1964. 302.8 P11
- 102970 LAZIER, S. S. The water transportation of pulpwood. Pulp & Paper Mag. Canada 65(8):WR348-WR350, WR352. Aug. 1964. 302.8 P96
- 102971 LOZZI, C. Present structure of Italian pulp and paper industry. Paper Trade J. 140(33):36-37. Aug. 17, 1964. 302.8 P196
- 102972 LYBERG, B. Some aspects of the future of the Swedish pulp industry. 5 p. Transl. 13996  
Translation from Norsk Skogindustri 15(3):119-122. 1961.
- 102973 MARTON, J., and MARTON, T. Molecular weight of kraft lignin. Tappi 47(8):471-476. Ref. Aug. 1964. 302.8 T162
- 102974 NYLINDER, P. Studier over antalet 3-meters massavedbitar per m<sup>3</sup> t. Studies of the number of 3-metre pulpwood pieces per cubic metre volume stacked. Stockholm. Skogshogsk. Inst. f. Virkeslara. Uppsatser 45, 15 p. 1964. 99.9 St632  
English summary.
- 102975 PHILIPP, B. A contribution to the structural changes of pulp caused by cold alkali treatment. (Ge) Paperi ja Puu 46(5):381-388. Ref. May 31, 1964. 302.8 P1991  
English summary.
- 102976 ROSEN, E. Calculations for the gasification of spent cooking liquors. Svensk Kem. Tidskr. 76(4):195-209. Ref. 1964. 385 Sv22  
From the pulp industry.
- 102977 SAPOTNITSKII, S. A., GLUSHCHENKO, N. V., and SPICHKINA, T. G. A combined process for steam blowing and evaporation of spent sulfite liquor. (Rus) Gidroliznaya i Lesokhim. Promysh. 4:3-4. 1963. 301.8 G36
- 102978 SJOSTROM, E. Chemical aspects of production with increased woodpulp yield. (Sw) Norsk Skogindus. 18(6):212-214, 216-223. Ref. June 1964. 99.82 N81  
English summary.
- 102979 SOCIETE D'EDITION DES PATES, PAPIERS ET CARTON FRANCAIS. Des pays du tiers monde peuvent-ils pretendre a une vocation d'exportateurs de produits papetiers? [Can some countries of the "third world" claim to have a calling as exporters of paper products? B. Mesn. des Indus. Papetieres 13, 15 p. Dec. 1963. 302.8 B87  
Developing nations.
- 102980 SPRINGER, E. L., NORDMAN, L., and VIRKOLA, N. E. Factors influencing the dynamic strength of pine sulfate pulp. Tappi 47(8):463-467. Aug. 1964. 302.8 T162
- 102981 TASMAN, J. E. A rapid Kappa number for routine control. Canad. Pulp & Paper Indus. 17(7):24-26. July 1964. 302.8 W52
- 102982 TEOLLISUUDEN KESKUSLABORATORION. HELSINGFORS. Annual report, 1963. Helsinki, 1964. 57 p. 302.9 T26  
Includes list of publications.
- 102983 VAMOS, G., LENGYEL, P., and MERO, T. Utilization of some hardwood semichemical pulps for the production of corrugated paper. Svensk Papperstidn. 67(13):529-535. Ref. July 15, 1964. 302.8 Sv2
- 102984 WALDICHUK, M. Foams in kraft pulp and newsprint effluents. Canad. Pulp & Paper Indus. 17(7):40-45. July 1964. 302.8 W52
- 102985 YIANNOS, P. N. The apparent cell-wall density of wood and pulp fibers. Tappi 47(8):468-471. Ref. Aug. 1964. 302.8 T162

#### Chemical Products and Distillates

- 102986 AKAHA, T. Study on the development of charcoal production and its regional particularity in the Taisho period (1912-1925). (Ja) Kyushu U. Forests. Rpt. 20:117-143. Ref. June 1964. 99.9 K994  
English summary.
- 102987 ATAMANCHUKOV, G. D., and others. Recovery of terpeneol from effluents of wood rosin production. (Rus) Gidroliznaya i Lesokhim. Promysh. 4:9-11. 1963. 301.8 G36  
A. I. Golovin, V. I. Lisov, and A. I. Sedel'nikov, joint authors.
- 102988 BENDER, F. Cedar leaf oils. Can. Dept. Forest. Publication 1008, 16 p. 1963. 99.9 C1628P  
From Thuja occidentalis and Juniperus virginiana.
- 102989 KROMER, G. W. Tall oil production to reach billion pound mark in 1964. U. S. D. A. Econ. Res. Serv. FOS-221:31-37. Jan. 1964. 1.9 Ec752F
- 102990 ROWE, J. W., and SCROGGINS, J. H. Benzene extractives of lodgepole pine [Pinus contorta] bark; isolation of new diterpenes. J. Org. Chem. 29(6):1554-1562. Ref. June 1964. 381 J827
- 102991 SUMAROKOV, V. P., and VOLODUTSKAYA, Z. M. Esterification of tall oil acids with N-butyl alcohol. (Rus) Gidroliznaya i Lesokhim. Promysh. 4:7-9. 1963. 301.8 G36



- 102992 VON RUDLOFF, E., and COUCHMAN, F. M. Gas-liquid chromatography of terpenes. XI. The volatile oil of the leaves of *Juniperus scopulorum* Sarg. *Canad. J. Chem.* 42(8):1890-1895. Aug.1964. 470 C16B

#### Naval Stores

- 102993 ALL, M. A. Khair tree [*Acacia catechu*] and khair industry in East Pakistan. *Agr. Pakistan* 14(3):266-273, map. Sept.1963. 22 Ag832  
Grown for resins and logs.
- 102994 BABOSHIN, B. K., and others. Study of the composition of terpene hydrocarbon mixtures by the method of gas-liquid chromatography. II. Application of gas-liquid chromatography to the analysis of turpentines. (Rus) *Gidroliznaya i Lesokhim. Promysh.* 4:14-15. 1963. 301.8 G36  
R. I. Sidorov, G. A. Rudakov, Z. K. Nikolaeva, and L. S. Ivanova, joint authors.  
From *Pinus sylvestris*.
- 102995 FEST, W. Measures for carrying out scientific-technical progresses in resin tapping. (Ge) *Sozialist. Forstwirt.* 14(5):152-153. 1964. 99.8 W143
- 102996 HORAN, J. Fast growth, increased gum yield linked in slash pine. *Sunshine State Agr. Res. Rpt. [Fla. Sta.]* 9(3):6-7. July 1964. 100 F66Su
- 102997 KOEV, D. Obtaining balsam from *Pinus peuce*. (Bu) *Akad. Selskостopanskite Nauk. Bulg. Inst. Gorata. Izv.* 14:111-141. Ref. 1963. 99.9 B872  
French summary.
- 102998 KOEV, D. Study of the system of resin canals and resin productivity of *Pinus peuce* Grsb. (Bu) *Akad. Selskостopanskite Nauk. Bulg. Inst. Gorata. Izv.* 14:95-109. Ref. 1963. 88.9 B872  
French summary.
- 102999 KOLOSKO, S. I. Yields and quality of pine oleoresin depending on frequency of turpentine. (Rus) *Gidroliznaya i Lesokhim. Promysh.* 4: 23-24. 1963. 301.8 G36
- 103000 LOTSMANOVA, P. N. Increasing the yields of oleoresins in Russian SFSR. (Rus) *Gidroliznaya i Lesokhim. Promysh.* 4:1-2. 1963. 301.8 G36
- 103001 LYAMIN, V. A. The preparation of a plasticizing wood tar for the process of rubber recovery. (Rus) *Gidroliznaya i Lesokhim. Promysh.* 4:4-6. 1963. 301.8 G36
- 103002 ROSSITER, F. Half of rosin going into loan. *Nav. Stores Rev. & Terpene Chem.* 74(4):12-13. July 1964. 99.81 N22
- 103003 SINGH, J. Experimental tapping of blue pine (*Pinus wallichiana*) for resin in Kulu Valley forests. *Indian Forester* 90(6):385-393. June 1964. 99.8 In2
- 103004 U. S. CROP REPORTING BOARD. Naval stores 1963-64 annual report; production, supply, distribution, consumption and stocks of turpentine and rosin and related data, for the United States, May, 1964. Washington, 1964. 11 p. 1.941 S8N22

#### Other Forest Products

- 103005 BERTHEY, P. H. Old problems, new approaches, in the Christmas tree industry. *Amer. Christmas Tree Growers' J.* 8(1):5. Feb.1964. 99.9 C46
- 103006 DEION, H. J. Observations of inflammability on natural Christmas trees. *Amer. Christmas Tree Growers' J.* 8(1):16-18, 54-56. Feb.1964. 99.9 C46
- 103007 DRAKE, R. J. Dyed-in-the-field for holidays. *Amer. Christmas Tree Growers' J.* 8(1):28-29. Feb.1964. 99.9 C46
- 103008 GULISASHVILI, B. G., and NODARAYA, V. L. Transport of wood chips by water in pipeline. *Woodlands Res. Index* 150:A1-A5. May 1964. 99.8 W855A  
Translation from *Lesnaya Promyshlennost'* 12:9-10. Dec.1963.
- 103009 HACSKAYLO, J. Choosing a Christmas tree. *Ohio Woodlands* 1(3):18. Winter 1963. 99.8 Oh34

- 103010 HOLLIS, W. P. Learn your apc's. Paper *Indus.* 46(5):413-414. Aug.1964. 302.8 P1923  
With reference to chipper machines.
- 103011 HSIA, C. Y. Studies in the technology of manufacturing wood stratified plastics with phenol alcohol (low condensation phenolphthalein resin). (Ch) *Lin Yeh K'o Hsueh* 8(2/4):161-166. Apr./Oct.1963. 99.8 L632
- 103012 KQROBOV, V. V. Hydro-transport of wood chips in pipeline. *Woodlands Res. Index* 150: B1-B5. May 1964. 99.8 W855A  
Translation from *Bumazhnaya Promyshlennost'* 1:13-15. Jan.1964.
- 103013 LENTZ, A. N. The business of growing Christmas trees—trends and marketing. *Amer. Christmas Tree Growers' J.* 8(1):20-21, 51-52, 54. Feb.1964. 99.9 C46
- 103014 MERRILL, W., and FRENCH, D. W. Wood fiberboard studies. I. A nailhead pull-through method to determine the effects of fungi on strength. *Tappi* 47(8):449-451. Aug.1964. 302.8 T162
- 103015 RAZZAQUE, M. A. Manufacture of hardboard from sundri [*Heritiera minor*]. *Sci. Ind.* 1(2): 90-93. Apr.1963. 475 Sci238
- 103016 SANTOS, C. A. The right to holidays of workers in the cork industry; problems in interpretation of clauses 35 to 38 of the collective labor agreement. (Por) *Portugal. Junta Nac. da Cortica. B.* 26(307):101-104. May 1964. 309.9 J96
- 103017 SKOK, R. A., SMITH, M. E., and MILES, W. Retail Christmas tree sales in the Twin Cities area, 1962. *Amer. Christmas Tree Growers' J.* 8(1):31. Feb.1964. 99.9 C46
- 103018 SULLIVAN, R. J. Marketing ideas and experiences. *Amer. Christmas Tree Growers' J.* 8(1):14-15, 56-58. Feb.1964. 99.9 C46
- 103019 UYEMURA, T., SAITO, H., and NAKANO, T. Determination of dry weight and specific volume of wood chip with electric meter. (Ja) *Japan. Forest Expt. Sta. B.* 167:1-28. Ref. Mar.1964. 99.8 R47  
English summary.
- 103020 WATANABE, H., and others. Experiments on effects of fiber length on properties of hardboard made from pine wood. (Ja) *Kyushu U. Forests. Rpt.* 20:145-148. June 1964. 99.9 K994  
T. Matsumoto, J. Tsutsumi, and T. Matsuo, joint authors.  
English summary.
- 103021 WRIGHT, J. W. Improving Scotch pine [*Pinus sylvestris*] for Christmas trees. *Ohio Woodlands* 1(2):4-5. Autumn 1963. 99.9 Oh34

#### WOOD TECHNOLOGY

- 103022 ADITYACHAUDHURY, N., and GANGULI, G. Chemical investigation of the bark of *Trewia nudiflora* Linn. *Indian J. Chem.* 2(4):171-172. Apr.1964. 385 In294
- 103023 BOWERS, N. A. New method of surfacing wood specimens for study. *Tree-Ring B.* 26(1/4):2-5. June 1964. 99.8 T713
- 103024 BROWN, W., HENLEY, D., and OHMAN, J. Sodium carboxymethyl cellulose, an experimental study of the influence of molecular weight and ionic strength on polyelectrolyte configuration. *Arkiv f. Kemi* 22(3/4):189-206. Ref. 1964. 385 Ar4
- 103025 CHOCHIEVA, M. M., VISHNEVSKAYA, N. S., and NIKITIN, N. I. Fractional composition of cellulose from poplar [*Populus tremula*], in the condition mostly close to natural, and its changes during the process of delignification. (Rus) *Zhur. Prikl. Khim.* 37(6):1340-1344. Ref. June 1964. 385 Z64
- 103026 FREUDENBERG, K. Design of a constitution scheme for lignin in spruce. (Ge) *Holzfor-schung* 18(1/2):3-9. Ref. Apr.1964. 99.8 H74  
English summary.
- 103027 JAYME, G. Various light and electron microscopical techniques applied in cellulose fibre investigations. *Roy. Micros. Soc. J. (ser.3)* 82(2):127-133. Ref. 1963, pub.1964. 440.9 R81J  
Lignin determination in wood pulp.

- 103028 KLEINERT, T. N. Free radical reactions in UV irradiation of cellulose. *Holzforschung* 18 (1/2):24-28. Ref. Apr.1964. 99.8 H74
- 103029 KRATZL, K., ZAUNER, J., and CLAUS, P. Reactions of marked lignins and models. I. (Ge) *Holzforschung* 18(1/2):47-52. Ref. Apr. 1964. 99.8 H74  
English summary.  
Condensation with phenols.
- 103030 LI, H. S., and HSIANG, Y. M. A primary study of the acidity of woods. (Ch) *Lin Yeh K'o Hsueh* 8(2/4):263-266. Ref. Apr./Oct.1963. 99.8 L632
- 103031 MOTHERSHEAD, J. S., and GLENNIE, D. W. Chemical structure of lignin sulfonates. II. Identification of monomeric lignin sulfonates from red alder. *Tappi* 47(8):519-524. Ref. Aug.1964. 302.8 T162
- 103032 NQRIN, T. Chanootin, a bicyclic C<sub>15</sub>-tropolone from the heartwood of *Chamaecyparis nootkensis* (Lamb.) Spach. *Arkiv f. Kemi* 22(2): 129-135. Ref. 1964. 385 Ar4
- 103033 PEARL, I. A., and BEYER, D. L. Studies on the chemistry of aspenwood. XVII. The ether-insoluble, water-soluble components of aspen spent sulfite liquor. *Tappi* 47(8):458-462. Ref. Aug.1964. 302.8 T162
- 103034 RAMALINGAM, K. V., and TIMELL, T. Polysaccharides present in the bark of Engelmann spruce (*Picea engelmanni*). *Svensk Papperstidn.* 67(12):512-521. Ref. June 30,1964. 302.8 Sv2
- 103035 ROSTOVTSSEV, S. A. Cellulose content and length of fibers in the wood of *Salix* species. (Rus) *Lesn. Khoz.* 1:22. Jan.1964. 99.8 L5622
- 103036 SAMUELSON, O., and WICTORIN, L. Anion exchange separations of uronic acids in acetate medium. *Svensk Papperstidn.* 67(14):555-557. Ref. July 31,1964. 302.8 Sv2  
Hemicellulose.
- Properties and Structure
- 103037 CHENG, T. C., LI, Y. C., and SUN, C. C. Comparative studies on the wood properties of the plantation- and natural-grown Korean pines in the northeastern forest region of China. (Ch) *Lin Yeh K'o Hsueh* 8(2/4):195-213. Ref. Apr./Oct.1963. 99.8 L632  
English summary.
- 103038 CHIA, M. Y. A primary study of floatability of wood. (Ch) *Lin Yeh K'o Hsueh* 8(2/4):256-263. Apr./Oct.1963. 99.8 L632
- 103039 CHOU, Y. Preliminary investigations on the characteristics of the wood structure in relation to the shrinkage of *Larix gmelini* var. *koreana nakai*. (Ch) *Lin Yeh K'o Hsueh* 8(2/4): 290-309. Ref. Apr./Oct.1963. 99.8 L632  
English summary.
- 103040 COTE, W. A., KORAN, Z., and DAY, A. C. Replica techniques for electron microscopy of wood and paper. *Tappi* 47(8):477-484. Ref. Aug.1964. 302.8 T162
- 103041 DAVIS, W. H., and THOMPSON, W. S. Influence of thermal treatments of short duration on the toughness and chemical composition of wood. *Forest Prod. J.* 14(8):350-356. Ref. Aug.1964. 99.9 F7662J
- 103042 DIETRICH, H. H. The behavior of carbohydrates during formation of heartwood. (Ge) *Holzforschung* 18(1/2):14-24. Ref. Apr.1964. 99.8 H74  
English summary.
- 103043 GALLIGAN, W. L. Nondestructive testing in wood. *Forest Prod. J.* 14(5):221-227. Ref. May 1964. 99.9 F7662J  
Properties.
- 103044 GREEN, H. V. Supplementary details of construction of the stage and drive assembly of the scanning microphotometer. *Woodlands Res. Index* 149,7 p. May 1964. 99.8 W855A
- 103045 HART, C. A. Principles of moisture movement in wood. *Forest Prod. J.* 14(5):207-214. Ref. May 1964. 99.9 F7662J
- 103046 HEARMON, R. F. S., and PATON, J. M. Moisture content changes and creep of wood. *Forest Prod. J.* 14(8):357-359. Aug.1964. 99.9 F7662J
- 103047 HU, Y. The ability of woods to stand rubbing. (Ch) *Lin Yeh K'o Hsueh* 8(2/4):167-171. Ref. Apr./Oct.1963. 99.8 L632
- 103048 IFJU, G. Tensile strength behavior as a function of cellulose in wood. *Forest Prod. J.* 14 (8):366-372. Ref. Aug.1964. 99.9 F7662J
- 103049 INTERNATIONAL ASSOCIATION OF WOOD ANATOMISTS. COMMITTEE ON NOMENCLATURE. Multilingual glossary of terms used in wood anatomy. *Schweiz. Anst. f. das Forstl. Versw. Mitt.* 40(1),186 p. 1964. 99.9 Sch92  
Languages included English, German, Italian, Portuguese, Spanish and Serbo-Croatian.
- 103050 ISHIDA, S., HORIKAWA, H., and MITANI, K. A study on volumetric composition of beech wood, *Fagus crenata*, grown in Hokkaido. (Ja) *Hokkaido U. Col. Expt. Forests. Res. B.* 23(1): 31-44. 1963. 99.9 H68  
English summary.
- 103051 JAYME, G., and AZZOLA, F. K. The morphology of tracheids in *Fagus sylvatica* wood. (Ge) *Holzforschung* 18(1/2):9-14. Ref. Apr.1964. 99.8 H74  
English summary.
- 103052 KUBLER, H. The course of freezing and sawing in green logs. (Ge) *Holzforsch. u. Holzverwert.* 16(2):29-30. Apr.1964. 99.9 Os72  
English summary.
- 103053 LITTLEFORD, T. W. Knot frequency study of laminating grades for western hemlock. *Can. Dept. Forest. Publication* 1009,11 p. 1963. 99.9 C1628P  
Effect on strength of glued-laminated construction.
- 103054 LOBZHANIDZE, E. D., and GOTSIRIDZE, L. A. Interrelation of moisture and heartwood formation in the wood of *Pinus hamata* Sosn. depending on climatic factors. (Geo) *Akad. Nauk Gruzinskoi SSR. Soobshcheniya* 33(3):655-661. Mar. 1964. 511 Ak146  
Russian summary.
- 103055 MCELWEE, R. L., and ZOBEL, B. J. Some wood and growth characteristics of pond pine [*Pinus serotina*]. *Forest Genet. Workshop. Proc.*, 1962:18-25. Ref. 1963. 99.9 F7629
- 103056 MCGOWAN, W. M. Factors affecting the strength of marine piling. *Can. Dept. Forest. Publication* 1044:33-46. 1964. 99.9 C1628P  
Includes discussion.
- 103057 MARK, R. Wood-aluminum beams within and beyond the elastic range. II. Trapezoidal sections. *Yale Univ. Sch. Forest. Tech. Rep.* 26: 508-516. Nov.1963. 99.9 Y1Tr
- 103058 MERGEN, F., BURLEY, J., and YEATMAN, C. W. Variation in growth characteristics and wood properties of Norway spruce. *Tappi* 47 (8):499-504. Ref. Aug.1964. 302.8 T162
- 103059 MILLER, D. G. Non-destructive testing of cross-arms for strength. *Can. Dept. Forest. Publication* 1021,18 p. 1963. 99.9 C1628P
- 103060 MOSLEMI, A. A. Some aspects of viscoelastic behavior of hardwood. *Forest Prod. J.* 14(8): 337-342. Aug.1964. 99.9 F7662J
- 103061 PAO, F. C. A study of the micro-dynamics of *Pinus yunnanensis* wood. (Ch) *Lin Yeh K'o Hsueh* 8(2/4):139-148. Ref. Apr./Oct.1963. 99.8 L632  
Russian summary.
- 103062 PEREM, E. Tension wood in Canadian hardwoods. *Can. Dept. Forest. Publication* 1057, 38 p. Ref. 1964. 99.9 C1628P
- 103063 PORTER, A. W. On the mechanics of fracture in wood. *Forest Prod. J.* 14(8):325-331. Ref. Aug.1964. 99.9 F7662J
- 103064 PRYOR, L. D., and DADSWELL, H. E. Wood characters of the F<sub>1</sub> hybrid, *Eucalyptus rubida* × *Eucalyptus maideni*. *Austral. J. Bot.* 12 (1):39-45. June 1964. 450 Au72
- 103065 RESCH, H., and ECKLUND, B. A. Permeability of wood exemplified by measurements on redwood. *Forest Prod. J.* 14(5):199-206. Ref. May 1964. 99.9 F7662J



- 103066 SANDERMANN, W., and KOHLER, R. Short aptitude test of cement bound wood materials. (Ge) *Holzforschung* 18(1/2):53-59. Ref. Apr. 1964. 99.8 H74  
English summary.  
In relation to building construction.
- 103067 SHARTS, A. K. Long-lasting properties of larch wood. (Rus) *Lesn. Khoz.* 2:31-33. Feb. 1964. 99.8 L5622
- 103068 WARDROP, A. B., and DAVIES, G. W. The nature of reaction wood. VIII. The structure and differentiation of compression wood. *Austral. J. Bot.* 12(1):24-38. June 1964. 450 Au72  
*Pinus radiata* and *Actinostrobus pyramidalis*.
- 103069 WEI, K. Y. Construction problems of *Pinus anhweiensis* from an examination of its special characteristics as seen from wood analysis. (Ch) *Lin Yeh K'o Hsueh* 8(2/4):190-193. Apr./Oct.1963. 99.8 L632
- 103070 WILCOX, J. R., SNYDER, E. B., and MORROW, J. P. Modifications of the ampliscope for measuring hardwood fibers. *J. Forestry* 62(8):581. Aug.1964. 99.8 F768
- 103071 WONG, P. T. Y. Thermal conductivity and diffusivity of partially charred wood. *Forest Prod. J.* 14(5):195-198. May 1964. 99.9 F7662J  
White fir.
- 103072 WOODHEAD, W. D. The resistance of timber to chemical attack. C. S. I. R. O. *Forest Prod. Newslet.* 307:3-4. May 1964. 99.9 Au722F
- 103073 ZOBEL, B., COLE, D., and STONECYPHER, R. Wood properties of clones of slash pine [*Pinus elliotii*]. *Forest Genet. Workshop. Proc.*, 1962:32-39. Ref. 1963. 99.9 F7629





## ANIMAL INDUSTRY

References on processing, distribution, economic aspects and statistics of livestock and livestock products are classified with Agricultural Products; references on housing of livestock with Agricultural Engineering.

## BREEDS AND BREEDING

- 103074 ANGHI, CS. Interesting acclimatization and hybridization experiments in the Askaniya Nova of southern Ukraine. (Hu) Buvar 9(2):72-77. Mar./Apr.1964. 410 B98  
Chiefly livestock.
- 103075 BAKELS, F. The problem of selection effects in useful animal breeding. (Ge) Munich, U. Inst. f. Tierzucht, Vererb.- u. Konstitutionsforsch. Arb. 5:33-43. 1963. 49.9 M92
- 103076 CANADA, DEPT. OF AGRICULTURE. PRODUCTION AND MARKETING BR. LIVESTOCK DIV. Ninth annual report on artificial insemination in Canada, year ending December 31st 1963. n.p., 1964. 8 p. 43.9 C1623
- 103077 DIVETT, B. L. Mass selection methods in animal breeding. New Zeal. Meat Prod. 8(9):40, 43. June 1, 1964. 50.8 N48
- 103078 HAMMOND, J. Animal breeding. London, Edward Arnold, 1963. 82 p. 40 H18A  
I, Genetics; II, Breeding for special purposes.
- 103079 MUKHAMEDGALIEV, F. M. Problems of intensification of animal husbandry. (Rus) Akad. Nauk Kazakhskoi SSR. Vest. 5:14-22. Ref. May 1964. 511 AL6  
Chiefly with reference to breeding.
- 103080 NORWAY, LANDBRUKSDEPT. Melding om offentlege landbrukstiltak i året 1962. II. Husdyralet [Report on state agricultural projects in 1962. II. Livestock breeding]. Sarpsborg, 1963. various paging. 11 C46
- 103081 OSTASHKO, F. Causes and mechanism of the cold shock of cells. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:106-109. 1964. 20 M57  
Semen.
- 103082 PATRICK, H. Modern genetics. W. Va. Agr. Expt. Sta. B. 494.4. June 1964. 100 W52  
DNA in animal physiology.
- 103083 SNICK, G. VAN. Artificial insemination 1963. (Fr) Agricultura [Louvain] 17(5/6):597-615. May/June 1964. 13 R322

## FEEDS AND FEEDING

- 103084 ABDO, K. M., KING, K. W., and ENGEL, R. W. Protein quality of rumen microorganisms. J. Anim. Sci. 23(3):734-736. Ref. Aug.1964. 49 J82  
Experimental use as feed.
- 103085 AUSTRALIA, COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. FODDER CONSERVATION SECT. Annual report, 1962-63. Melbourne, 1963. 9 p. 60.9 Au72
- 103086 BOYNE, A. W. Biometrics in a nutritional research institute. In Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.389-394. Ref. 1963. 389.7 C97P  
Livestock and man.
- 103087 BUDZIER, H. H. Contributions to the methodology of microbiological investigation of ensilage. 3-5. (Ge) Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. II, Natwiss. 118(1):16-39. Ref. June 19, 1964. 448.3 C33  
English summary.  
Includes Clostridium.
- 103088 CALANCEA, L., and others. Considerations on horse bean (*Vicia faba*) ensilage. (Rum) Cluj. Inst. Agron. "Dr. Petru Groza." Lucrari Sti. 19:167-178. 1964. 21 C622  
P. Sebok, V. Mlesnita, V. Cotetiu, M. Mihaly, S. Erdelyi, and A. Dimitriu, joint authors.  
English summary.

- 103089 CHEN, Y. K. A study of the feeding value in the use of citrus fruit by-products for stock ration. I. Determination of the optimum processing procedure and its contents of citrus fruit by-products. (Ch) J. Agr. & Forestry 12:97-113. Ref. Oct.1963. 22.5 J823  
English summary.
- 103090 CONSO, P. Feeds for animals; composition and characteristics of use. (It) Riv. di Zootec. 37(6,sup):131-136. (Cont.) June 1964. 49 R52
- 103091 CORBETT, J. L. Intake and utilisation of herbage by grazing ruminants. In Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.171-177. Ref. 1963. 389.7 C97P
- 103092 CUTHBERTSON, D. P. History of the Rowett Institute 1945-1963. In his Progress in nutrition and allied sciences, p.17-22. 1963. 389.7 C97P  
Animal nutrition research.
- 103093 CUTHBERTSON, D. P., ed. Progress in nutrition and allied sciences, being a contribution marking the first fifty years of the Rowett Research Institute. Edinburgh, Oliver & Boyd, 1963. 452 p. Ref. 389.7 C97P  
Chiefly animal research.
- 103094 ERSHOVA, E. M., KOLPAKOVA, N. V., and TSOI, K. M. Possibilities of using lignocellulose for feeding of domestic animals. (Rus) Uz. Nauch.-Issled. Inst. Zhivotn. Tr. 7:33-59. 1962. 49.9 Uz12T
- 103095 FERNANDES, B. H. C., and FERNANDES, A. M. S. S. Lead arsenate and methyl-azinphos (gusathion) on potato vines. (Por) Agros [Lisboa] 46(4):331-335. July/Aug.1964. 15.5 Ag82  
English summary.  
Used for feed.
- 103096 FOOT, A. S. Evaluation of the yield of pastures measured through animal consumption. (Fr) Fourrages 16:86-94. Dec.1963. 60.8 F82
- 103097 GOLUBENKO, E. K., and SAMUSHONOK, V. I. Utilization of aquatic plants in animal husbandry. (Rus) Zhivotnovodstvo 3:64-65. Mar.1964. 49 Z6  
As feed.
- 103098 GORDON, J. G. Animal behaviour and food intake. In Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.281-286. Ref. 1963. 389.7 C97P
- 103099 GORLITZ, H. The influence of air exclusion on silage quality in flat silo. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(5):221-222. May 1964. 18 W763
- 103100 HAWKINS, G. E., PAAR, G. E., and LITTLE, J. A. Composition, intake, digestibility, and prediction of digestibility of Coastal Bermuda-grass [*Cynodon dactylon*] hays. J. Dairy Sci. 47(8):865-870. Ref. Aug.1964. 44.8 J822
- 103101 HENK, G. Preparation and use of dry green feed. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(5):223-224. May 1964. 18 W763
- 103102 HILLMAN, D., and others. Should your feed program include high-moisture grain? Crops & Soils 16(9):12-14. Aug./Sept.1964. 6 W55  
P. G. Hogg, J. C. Collins, H. J. Hirning, and G. L. Pratt, joint authors.
- 103103 HOLZSCHUH, W., and SCHMIDT, W. The importance of a timely grass harvest for increasing production in the livestock economy. (Ge) Deut. Landwirt. 15(6):305-307. June 1964. 18 D4822  
Feed preservation, nutritive value, and the preparation of ideal grass silage.
- 103104 HOLZSCHUH, W. Silage of alfalfa, potato tops and other hard-to-ensile feed. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:76-78. 1964. 20 M57
- 103105 HOMB, T. Qualitative estimation of forage plants with particular reference to methods of study of the digestibility in vitro and in vivo. (Fr) Fourrages 16:55-74. Ref. Dec.1963. 60.8 F82

- 103106 HOWIE, J. W. Nutrition and resistance to infection. In Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.357-366. Ref. 1963. 389.7 C97P  
In animals.
- 103107 IRELAND. DEPT. OF AGRICULTURE. Foods for livestock. Ireland. Dept. Agr. L. 2,22 p. Jan.1964. 10.5 Ir42
- 103108 IVANOV, P., KOSTOV, S., and RUSEV, G. Composition, digestibility and nutritive value of alfalfa of different cuttings, dried in the sun or by a ventilator. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Zhivotn. Izv. 17:15-28. Ref. 1963. 49.9 B872I  
English summary.
- 103109 JAHN, S. Production and use of mixed feed, hormone and mineral mixtures in 1964. I. Mixed feed. (Ge) Tierzucht 18(4):205-209. Apr.1964. 49 T443
- 103110 KARA, S. Research on some fodder from meadow plants. (Tu) Ankara. Lalahan Zooteh. Arastirma Enstitusu. Dergisi 3(3/4):21-43. Sept./Dec.1963. 49.9 An6  
English summary.
- 103111 KARG, H. Problems in the administration of estrogenic hormones to fattening animals. (Ge) Arch. f. Lebensmthg. 15(6):132-136. Ref. June 20,1964. 41.8 L49
- 103112 KASSIER, W. E., and GRAHAM, J. D. Maize silage at its cheapest. Farming So. Africa 40 (4):13,15. July 1964. 24 So842
- 103113 KAWASHIMA, R., and UESAKA, S. Studies on importance of trace elements in farm animal feeding. XXIII. Effects of some nutrient factors on vitamin B<sub>12</sub> synthesis by rumen bacteria in vitro. (Ja) Kyoto U. Res. Inst. Food Sci. B. 27: 30-39. Ref. Feb.1964. 389.9 K99R  
English summary.
- 103114 KHENATIMER, I. S. Edibility of plants on pastures of the extreme north of Komi ASSR. (Rus) Bot. Zhur. [Moscow] 49(5):731-735. May 1964. 451 R923
- 103115 KOTTER, L., and HERRMANN, C. The effect of feeding various slaughter fats on the quality of the Processed product. (Ge) Arch. f. Lebensmthg. 15(6):121-123. Ref. June 20, 1964. 41.8 L49  
Review of literature.
- 103116 KUNEV, M. An experiment for establishing a suitable ratio of alfalfa and certain easily digested fodders for mixed ensiling. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Zhivotn. Izv. 17:213-227. Ref. 1963. 49.9 B872I  
English summary.
- 103117 LEBEDEV, I. A. Use of products of chemical and microbiological synthesis in animal industry [of Latvia]. (Rus) Vest. Sel'skokhoz. Nauki [Moscow] 4:15-20. 1964. 20 V633  
English summary.  
Chiefly feed yeast, minerals and urea in animal nutrition.
- 103118 LEITCH, I. Commonwealth Bureau of Animal Nutrition. In Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.381-387. Ref. 1963. 389.7 C97P
- 103119 LIEBSCHER, K. Silowirtschaft und Heubereitung [Ensiling and hay preparation]. Graz, Stocker, 1963. 140 p. 389.7 L625
- 103120 LLOYD, L. E. Vitamin A and disease. Canad. Milling & Feed. 45(7):24. July 1964. 298.8 C162
- 103121 LUBITZ, J. A. Animal nutrition studies with Chlorella 71105. Biol. Space Syst. Symp. [Pap.] 1962:331-356. Ref. 1963. 159.21 B52
- 103122 MACDONALD, J. A. Use of high moisture corn in livestock rations. Ontario. Dep. Agr. Ext. Br. Rep. Annu. Conf. 1963:29-31. 7 On82
- 103123 MILLS, C. F., and QUARTERMAN, J. Studies of the absorption, utilisation and function of minerals and vitamins. In Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.213-230. Ref. 1963. 389.7 C97P  
Livestock.
- 103124 NANI, S., and VOCINO, G. The tetracyclines in animal nutrition. (Sp) Rev. de Med. Vet. [Buenos Aires] 45(1):25-39. Jan./Feb.1964. 41.8 B86
- 103125 NEUMARK, H., BONDI, A., and VOLCANI, R. Amines, aldehydes and keto-acids in silages and their effect on food intake by ruminants. J. Sci. Food & Agr. 15(7):487-492. Ref. July 1964. 382 So12
- 103126 NOSKOV, A. I. Disinfection of feed potato infected with fungi and bacteria. (Rus) Veterinariya 4:93-94. Apr.1964. 41.8 V6426
- 103127 ORR, J. B. History of the Rowett Institute 1913-1945. In Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.1-15. 1963. 389.7 C97P  
Research in animal and human nutrition.
- 103128 PETRUKHIN, I. Problems of proteins in animal nutrition. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:22-24. 1964. 20 M57  
Includes feed policies of the USSR bloc.
- 103129 PFANDER, W. H. Balancing nitrogen sources for high efficiency ruminant rations. Poultry & Livestock Comment 20(3):1-2. Ref. Fall 1963. 47.8 D92
- 103130 PODKOWKA, W. Protein and sugar content in forage plants and their influence on fermentation processes in silage. (Pol) Krakow. Inst. Zootech. Wydawnictwa Wlasne 159:19-35. Ref. 1962, pub. 1963. 49.9 K85W
- 103131 POPOV, I. S. Urgent problems of wide application of chemicals for animal husbandry. (Rus) Zhivotnovodstvo 3:9-19. Mar.1964. 49 Z6  
Mainly application in feeding.
- 103132 PUTNAM, M. E. Animal feeding problems. I. C.A.M. [Inst. Corn Agr. Merchants] J. 12(2):35-38. Summer 1964. 10 In7
- 103133 RAYMOND, W. F. Relationship between the quality of a forage plant and the quantity consumed. (Fr) Fourrages 16:75-85. Ref. Dec. 1963. 60.8 F82
- 103134 REID, R. L., JUNG, G. A., and MURRAY, S. The measurement of nutritive quality in a bluegrass pasture using in vivo and in vitro techniques. J. Anim. Sci. 23(3):700-710. Ref. Aug. 1964. 49 J82
- 103135 ROSS, J. S. Urea expands as a source of protein feed in recent years. U. S. D. A. Econ. Res. Serv. Feed Situation. FdS-205:33-38. Aug.1964. 1.941 S8F32  
Cattle, sheep, and goats.
- 103136 SCHWARZ, K. Selenium and tocopherol: what role in animal disease? Mod. Vet. Pract. 45 (10):59-63, map. Ref. Sept.1964. 41.8 N812
- 103137 SCOTT, M. L. Nutrient interrelationships affecting dietary mineral requirements. Poultry & Livestock Comment 21(1):4-6. Ref. Spring 1964. 47.8 D92
- 103138 SQUIRE, M. J. E. Types of silage. Agr. Gaz. N. S. Wales 75(6):1096-1099. June 1964. 23 N472
- 103139 SYMPOSIUM on nutrition. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:42-53. Ref. 1963. 41.9 Un3  
Papers: 1, The role of practicing veterinarian in community public health programs, by E. Baker; 2, Nutrition under disease conditions, by C. K. Whitehair; 3, Parasitism and its relation to nutrition and performance, by A. C. Todd.
- 103140 TEUNISSEN, H. Some instructions for obtaining good silage. (Sp) Tec. Pecuaría en Mex. 1:30-33. Jan.1963. 49 T222  
English summary, p.3.  
In Mexico.
- 103141 UZILEVSKAYA, P. SH., USPENSKAYA, M. V., and IVSHINA, V. I. Content of minor elements, cobalt, copper, manganese and iron in some forages of Uzbekistan. (Rus) Uz. Nauch.-Issled. Inst. Zhivotn. Tr. 7:27-31. 1962. 49.9 Uz12T
- 103142 VAN DYNE, G. M., and MEYER, J. H. A method for measurement of forage intake of grazing livestock using microdigestion techniques. J. Range Mangt. 17(4):204-208. Ref. July 1964. 60.18 J82
- 103143 VAN SOEST, P. J. Symposium on nutrition and forage and pastures: new chemical procedures for evaluating forages. J. Anim. Sci. 23(3):838-845. Ref. Aug.1964. 49 J82



- 103144 VERBEEK, W. A. More efficient feeding. *Farming So. Africa* 40(4):35. July 1964. 24 So842 Ruminants.
- 103145 WEISSBACH, F., and LAUBE, W. Contribution to the methodology of silage research and the conduct of ensiling experiments. (Ge) *Z. f. Landwirt. Vers. u. Untersuchw.* 10(1):65-73. 1964. 18 Z32 English summary. Alcohol determination.
- 103146 WEISSBACH, F. Research results on ensiling of moist grain. (Ge) *Wiss.-Tech. Fortschr. f. die Landwirt.* 5(6):274-276. June 1964. 18 W763
- 103147 WELLMANN, U. Readymade feed on the grass-land farm. (Ge) *Mitt. der Deut. Landwirt.-Gesell.* 78(50):1577-1576. Dec.12,1963. 18 N39 Nutritive value.
- 103148 WOHLBIER, W., and OELSCHLAGER, W. The possible defects in determination of macro- and micro-elements in the preparation of feeds. I. (Ge) *Landwirt. Forsch.* 17(1):47-52. 1964. 18 L2333 English summary.
- 103149 WOODHAM, A. A. The quality of protein in feeding-stuffs for non-ruminants. In Cuthbertson, D. P., ed. *Progress in nutrition and allied sciences*, p.105-114. Ref. 1963. 389.7 C97P
- 103150 WORNICK, R. C. Micro ingredients in feeds. *Canad. Milling & Feed* 45(7):26. July 1964. 298.8 C162
- 103151 ZUCKER, H. The influence of feeding on the quality of livestock products. (Ge) *Ernahr.-Umschau* 11(4):81-85. Apr.1964. 389.8 Er66 Chiefly meat production.
- VETERINARY MEDICINE**
- 103152 ABRAMOV, L. P. Susceptibility of camels to various types of tuberculosis mycobacteria. (Rus) *Veterinariya* 4:19-20. Apr.1964. 41.8 V6426
- 103153 AFANAS'EV, V. P. Changes of albumins in blood serum of young reindeers. (Rus) *Veterinariya* 4:76-77. Apr.1964. 41.8 V6426
- 103154 ALCAINO, H. Toxoplasmosis in domestic animals. (Sp) *B. Chileno de Parasitol.* 19(1):21-25. Ref. Jan./Mar.1964. 436.9 C43 English summary.
- 103155 ALTERAUGE, W. On the metabolic relations of the vitality of body cells to pathogenesis, morbidity, lethality, and epidemiology of infectious diseases. (Ge) *Schlacht- u. Viehhof-Ztg.* 64(1):9-13. Ref. Jan.1964. 286.85 D48
- 103156 AMERICAN ANIMAL HOSPITAL ASSOCIATION. AAHA Convention report, Miami, 1964. *Mod. Vet. Pract.* 45(7):35-39. June 1964. 41.8 N812 Includes summaries of eight papers on disease treatment.
- 103157 AMERICAN ANIMAL HOSPITAL ASSOCIATION. COMMITTEE ON CARDIOVASCULAR AND CIRCULATORY DISEASES. Recognizing and managing cardiac emergencies. *Mod. Vet. Pract.* 45(8):47-51. July 1964. 41.8 N812
- 103158 AMERICAN VETERINARY MEDICAL ASSOCIATION. Scientific proceedings of the one hundredth annual meeting, July 29-August 1, 1963, New York City, New York. n.p., 1963. 312 p. Ref. 41.9 Un3
- 103159 ANANTHANARAYANAN, R. Communicable diseases. *Indian Vet. J.* 41(4):245-249. Apr.1964. 41.8 In2
- 103160 ANNAGIEV, A. A., and GUSLAVSKII, I. I. Listriosis of domestic animals in the Pavlodar area. (Rus) *Veterinariya* 4:49-50. Apr.1964. 41.8 V6426
- 103161 ANTONELLI, A. Obscure forms of affections following hemotherapy. (It) *Veterinaria [Milano]* 13(2):104-108. Mar./Apr.1964. 41.8 V6499
- 103162 ARAMBURU, H. G., and DURLACH, A. L. Foot and mouth virus and foot and mouth disease. I. (Sp) *Indus. Lech.* 46(536/537):57-58,60. Mar./Apr.1964. 44.8 In26 Argentina.
- 103163 ARAUJO, P., and BELLUOMINI, H. E. Toxicity of snake venom. I. Specific sensitivity of domestic and laboratory animals. (Por) *Buntantan. Inst. Mem.* 30:143-156. Ref. 1960/62, pub.1963. 448.9 B97 English summary.
- 103164 ARMISTEAD, W. W. The expanding role of the veterinarian in society. *Vet. Med.* 58(8):671-673. Aug.1963. 41.8 M69
- 103165 ASHEPA, M. B., and BANNOV, A. T. How we care for young domestic animals. (Rus) *Veterinariya* 4:3-5. Apr.1964. 41.8 V6426 Citric horse blood injections.
- 103166 AZUL (ARGENTINA). CENTRO PANAMERICANO DE ZOONOSIS. Sobre algunas actividades y programas desarrollados durante el año 1963 [On some activities and programs developed during the year 1963]. *Zoonosis* 5(4), 12 p. Dec.31,1963. 41.8 Z75
- 103167 BADER, H., and KAPAL, E. Comparative investigations of the elasticity of the aorta of various animals and of man. (Ge) *Z. f. Biol.* 114(2/3):89-111. Ref. Oct.1963. 442.8 Z3 Domestic animals.
- 103168 BAIRACHI-LEVY, J. DE. Herbal handbook for farm and stable. London, Faber & Faber, 1963. 290 p. 41 B16H
- 103169 BAKER, R. F. New drug laws and the veterinarian. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:36-41. 1963. 41.9 Un3
- 103170 BALOGH, N. Diagnosis of fungus diseases of animals with the modified Parker blue-black superchrome india ink stain. (Ge) *Deut. Tierarztl. Wchnschr.* 71(12):327-330. June 15,1964. 41.8 D482 English summary.
- 103171 BECEJAC, S., and others. Acetylcholinesterase and butyrylcholinesterase activity in the lancet fluke (*Dicrocoelium lanceatum* Rudolphi). *Vet. Arh.* 34(3/4):87-89. 1964. 41.8 V6416 A. Lui, S. Krvavica, and N. Kralj, joint authors.
- 103172 BECEJAC, S., and KRVAVICA, S. On the presence and localization of alkaline phosphatase activity in the liver fluke (*Fasciola hepatica* L.). *Vet. Arh.* 34(3/4):56-59. 1964. 41.8 V6416
- 103173 BECKENHAUER, W. H. Altering intestinal microflora: sound approach to enteric problems. *Norden News* 39(1):23-24. Ref. Mar.1964. 41.8 N75 Inoculation of *Lactobacillus acidophilus* into the intestinal tract of animals.
- 103174 BEMIS, C. M., and MILLER, H. G. Dental product facilitates anal sac removal. *Vet. Med./Small Anim. Clin.* 59(6):580. June 1964. 41.8 M69 Use of an alginate powder.
- 103175 BENEDETTI, A. A new veterinary science in modern society. (It) *Nuovo Prog. Vet.* 19(11):484,486. June 15,1964. 41.8 P942
- 103176 BERRIER, H. H. Diagnostic aids for mycotic infections. *Lab. Anim. Care* 14(3):195-199. June 1964. 410.9 P94 Fungi pathogenic to animals.
- 103177 BOIKOV, YU. I. Identification of *Bacillus anthracis* by culture media developed by Gosudarstvennyi Kontrol'nyi Institut Meditsinskikh Biologicheskikh Preparatov imeni Tarasevicha. (Rus) *Veterinariya* 4:16-18. Apr.1964. 41.8 V6426
- 103178 BONADONNA, T. Veterinary science and artificial insemination of animals in east and south Africa. (It) *Zootec. e Vet.* 19(1/2):8-14. Jan./Feb.1964. 41.8 Z7
- 103179 BOUVIER, G. Geographic distribution of some diseases of game and wild animals in Switzerland. (Fr) *Off. Internatl. des Epiz. B.* 61(1/2):67-89, map. Jan./Feb.1964. 41.8 Of2 English summary. Possible transmission to livestock.
- 103180 BOWMAN, O. M. A brief review of the physiology and microbiology of the rumen. *Tuskegee Vet.* 8(1):13-16. Ref. June 1964. 41.8 T87 Chiefly on microorganisms.

- 103181 BRUCKLE, F. On some peculiarities of anthrax and black leg in Guinea. (Ge) Berlin. u. Munch. Tierarztl. Wchnschr. 77(13):258-260. July 1, 1964. 41.8 B45  
English summary.
- 103182 BRUNS, K. Experiences with Eftolon, Pfizer. (Ge) Prakt. Tierarzt 45(7):302. July 1, 1964. 41.8 P882  
Septic infection treatment of cattle, swine and dog.
- 103183 BULLEN, J. J. Diseases of farm animals caused by *Clostridium welchii*. In Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.269-280. Ref. 1963. 389.7 C97P
- 103184 CHALMERS, M. I. The significance of the digestion of protein within the rumen on the nutrition of the animal. In Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.91-103. Ref. 1963. 389.7 C97P
- 103185 CHALUPA, W., EVANS, J. L., and STILLIONS, M. C. Influence of ethanol on rumen fermentation and nitrogen metabolism. J. Anim. Sci. 23(3):802-807. Ref. Aug.1964. 49 J82
- 103186 CH'EN, P. H. Complications in livestock pregnancy. (Ch) Nongye Jishu 6:33-34. June 1963. 22.5 N929
- 103187 CHIQDI, V. Animal medicine in the second centennial of the founding of veterinary schools. (It) Veterinaria [Milano] 13(2):136-145. Mar./Apr.1964. 41.8 V6499
- 103188 CIUSA, W., and BARBIROLI, C. Transmethylation processes in the crystalline lens, blood, liver and kidneys of cattle, rabbits and rats. (It) Acta Vitaminologica 17(4/5):157-166. Aug./Oct.1963. 448.8 Ac8  
English summary.
- 103189 COCKWILL, W. R. Modern changes concerning international quarantine of animals. (Ge) Deut. Tierarztl. Wchnschr. 69(20):599-603. (Concl.) Oct.15,1962. 41.8 D482  
English summary.
- 103190 COLEMAN, G. S. The metabolism of  $^{14}\text{C}$ -glycine and  $^{14}\text{C}$ -bicarbonate by washed suspensions of the rumen ciliate *Entodinium caudatum*. J. Gen. Microbiol. 35(1):91-103. Ref. Apr. 1964. 448.3 J823
- 103191 CONCHIE, J., and LEVY, G. A. Mammalian glycosidases and their inhibition by aldono-lactones. In Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.313-321. Ref. 1963. 389.7 C97P
- 103192 CONSFAITUREA INTERREGIONALA ETIOLOGIA SI EPIDEMIOLOGIA ZOONOZELOR, JASSY, 1963. Digests and abstracts of the papers read at the conference [and] conclusions. (Rum) Microbiol. Parazitol. Epidemiol. 9(1):1-3,5-19, 21-23,25-39,41-59,61-63,65-71,73,75-79,81-84. Ref. Jan./Feb.1964. 448.3 M584
- 103193 CUTHBERTSON, D. P. The metabolic response to injury and its nutritional implications. In his Progress in nutrition and allied sciences, p.367-380. Ref. 1963. 389.7 C97P  
Animals and man.
- 103194 DEUTSCHE PHYSIOLOGISCHE GESELLSCHAFT. Papers at the 29th meeting (spring meeting) from Apr. 30 to May 2, 1964 at Bad Nauheim. (Ge) Pflugers Arch. f. die Gesam. Physiol. des Menschen u. der Tiere 279(4):R1-R44. 1964. 447.8 Ar2  
Abstracts of papers; includes some on livestock.
- 103195 DIMITROV, N., and others. Investigation into the epizootiology, prophylaxis and control of the foot-and-mouth disease in Bulgaria in 1959-1960. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 9:33-48. Ref. 1963. 41.9 So2  
Ts. Tsonev, M. Minev, S. Lordanov, L. Karaivanov, D. Lutskanov, V. Krustev, and S. Montyanov, joint authors.  
English summary.
- 103196 DOMERMUTH, C. H., and others. Ultrastructure of *Mycoplasma* species. J. Bact. 88(3):727-744. Ref. Sept.1964. 448.3 J82  
M. H. Nielsen, E. A. Freundt, and A. Birch-Anderson, joint authors.  
Studied with electron microscope.
- 103197 DORN, C. R., and CHAULK, L. E. A survey of practice characteristics and animal admissions in two California counties. Amer. Vet. Med. Assoc. J. 145(4):358-360. Aug.15,1964. 41.8 Am3
- 103198 DORNEY, R. S. Evaluation of a microquantitative method for counting coccidial oocysts. J. Parasitol. 50(4):518-522. Aug.1964. 448.8 J824  
Diagnostic technique in domestic animals.
- 103199 DUBLIN. VETERINARY DEPT. Annual report for the year 1963, by J. M. Murphy. Irish Vet. J. 18(6):107-120. June 1964. 41.8 Ir4  
Includes milk and meat inspection.
- 103200 EADIE, J. M., and HOWARD, B. H. Rumen ciliate protozoology. In Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.57-67. Ref. 1963. 389.7 C97P
- 103201 ECKERSKORN, W. Changes in form and content in state livestock epidemic control. (Ge) Tierarztl. Umschau 19(7):367-368,371-373. July 1,1964. 41.8 T445
- 103202 ELLIS, E. M., and YODER, W. D. A new method for shipping tuberculosis specimens. Amer. J. Vet. Res. 25(107):1323-1326. July 1964. 41.8 Am3A  
Tissues.
- 103203 ESCORSA, R. Effects of cold on animal physiology. (Sp) Cult. Mod. 47(2):51-52. Feb.1964. 15 C89
- 103204 EULER, H. V., HASSELQUIST, H., and STERNLEY, I. Electrophoretic data on the protein and enzyme content of blood and sera of various animals. (Ge) Arkiv f. Kemi 22(2):113-117. 1964. 385 Ar4
- 103205 EVANS, J. V. Inherited physiological individuality in ruminants. In Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.199-212. Ref. 1963. 389.7 C97P
- 103206 FELDMAN, W. H. Veterinary medicine and human medicine—complementary disciplines in public health. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:200-214. Ref. 1963. 41.9 Un3
- 103207 FELL, B. F. Epithelial form and function in the intestine. In Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.141-158. Ref. 1963. 389.7 C97P  
Includes animal physiology.
- 103208 FERTIG, S., and SIELICKA, S. Phagocytosis of variants of *Pasteurella pseudotuberculosis*. Acta Microbiol. Polon. 12(4):293-295. 1963. 448.3 Ac82
- 103209 FESSLER, J. F. Large animal orthopedics for the practitioner. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:99-101. 1963. 41.9 Un3  
Fractures.
- 103210 FEY, H. A new anaerobe pot. (Ge) Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. I, Orig. 193(1):114-116. June 1964. 448.3 C33  
Veterinary medicine equipment.
- 103211 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Animal health yearbook, 1963. Rome, 1964. 343 p.,map. 41.9 F732A  
Text of introduction in French, p.2, and in Spanish, p.3; table headings in English, French, Spanish, and Latin.  
Chiefly statistics.
- 103212 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. ANIMAL HEALTH BR. The structure and presentation of animal health regulations. Food & Agr. Organ. United Nations Anim. Health Ybk. 1963:307-310. 1964. 41.9 F732A  
Text also in French, p.311-314, and in Spanish, p.315-318.
- 103213 FORENBACHER, S., and ZDELAR, F. Clinical and experimental investigations in the adrenals of domestic animals as a basis for the application of glucocorticoid in the prophylaxis of some metabolic diseases. I. Parallel investigations in the reactivity of the adrenal cortex in healthy cattle, horses and swine. (Se) Vet. Arch. 34(3/4):63-83. Ref. 1964. 41.8 V6416  
English summary.



- 103214 FOX, M. W. A phylogenetic analysis of behavioral neuro-ontogeny in precocial and non-precocial mammals. *Canad. J. Compar. Med. & Vet. Sci.* 28(8):197-202. Ref. Aug.1964. 41.8 C162
- 103215 FRATESCHI, T. L. Researches in vitro on indol-3-acetic acid (3-IA) and on 5-hydroxyindolacetic acid (5-HIAA) in rumen liquid incubated with addition of L-tryptophan. (It) Pisa. U. degli Studi. Facol. di Med. Vet. Ann. 16:8-14. 1963, pub.1964. 41.9 P67  
English summary.
- 103216 GALL, L. S., TENZER, D. B., and HELVEY, W. M. Bio-ecology of digestion. *Biol. Space Syst. Symp. [Pap.]* 1962:382-390. Ref. 1963. 159.21 B52  
Animal digestion and its application to space flights.
- 103217 GALLINA, L. The "Consortio Provinciale per la Profilassi e la Polizia Veterinaria" of Parma and the livestock sanitary problem. (It) *Nuovo Prog. Vet.* 19(11):478,480,482. June 15, 1964. 41.8 P942
- 103218 GARFINKEL, D. A comparative study of electron transport in microsomes. *Compar. Biochem. & Physiol.* 8(4):367-379. Ref. Apr.1964. 444.8 C73  
Includes cytochrome in livestock.
- 103219 GARTON, G. A. Aspects of lipid metabolism in farm animals. In Cuthbertson, D. P., ed. *Progress in nutrition and allied sciences*, p.69-82. Ref. 1963. 389.7 C97P
- 103220 GIBBONS, W. J. One hundred years of veterinary medicine. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:68-69. 1963. 41.9 Un3
- 103221 GIBBONS, W. J. Physical examination of the eye. *Auburn Vet.* 20(3):117-123. Spring 1964. 41.8 Aul
- 103222 GIBSON, T. E. The cost of animal parasites. *Span* 7(2):99-102. Ref. 1964. 464.8 Sp2
- 103223 GILKA, J. Processes of quickened decomposition of fat catalyzed by blood pigment (as a result of bad handling of animals in the slaughterhouse). (Cz) *Veterinarstvi* 14(6):274-276. Ref. June 1964. 41.8 V6439
- 103224 GORDON, M. A. The genus *Dermatophilus*. *J. Bact.* 88(2):509-522. Ref. Aug.1964. 448.3 J82  
Includes strains from livestock skin lesions.
- 103225 GORET, P., and PROVOST, A. Virus infection of the cell. II. Interferon. (Fr) *Rec. de Med. Vet.* 140(6):421-447. June 1964. 41.8 R24
- 103226 GROSSKOPF, J. F. W. Advances in research on acute frothy bloat in ruminants. *So. African Vet. Med. Assoc. J.* 35(2):169-178. Ref. June 1964. 41.8 So8  
Review of literature.
- 103227 GUPTA, N. K. On *Paramphistomum epiclitum* Fischöder, 1904, a parasite of the farm animals in the Punjab. *Panjab U. Res. B. (n.s.)* 14(3/4):307-311. Ref. Dec.1963. 513 Ea72
- 103228 GUTIERREZ, J. Physiology of the rumen protozoa. *Agr. Sci. Rev.* 2(2):31-34. Spring 1964. A31.3 Ag893
- 103229 HALL, L. W. Anaesthetic accidents and emergencies. *Vet. Rec.* 76(26):713-717. June 27, 1964. 41.8 V641
- 103230 HALLIWELL, G. The biochemical breakdown of cellulose. In Cuthbertson, D. P., ed. *Progress in nutrition and allied sciences*, p.83-90. Ref. 1963. 389.7 C97P  
Ruminants.
- 103231 HECTORNE, R. L. Veterinary practitioner's role in community public health programs. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:222-223. 1963. 41.9 Un3
- 103232 HEJL, J. M. USDA, the veterinarian's partner in disease prevention. *Vet. Econ.* 5(7):25-26. July 1964. 41.8 V6458  
Regulation and inspection of biological products by the Animal Inspection and Quarantine Div.
- 103233 HOBSON, P. N. Rumen bacteriology. In Cuthbertson, D. P., ed. *Progress in nutrition and allied sciences*, p.43-55. Ref. 1963. 389.7 C97P
- 103234 HOERLEIN, B. F. Cervical spinal surgery—ventral and dorsal approach. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:103-104. 1963. 41.9 Un3
- 103235 HOLOBUT, W. Present state of physiological sciences in Poland and prospects for their development. (Pol) *Nauka Polska* 11(5):1-8. Sept/Oct.1963. 475 N223  
Includes research on livestock physiology.
- 103236 HOWE, D. L., and others. Anaplasmosis in big game animals: experimental infection and evaluation of serologic tests. *Amer. J. Vet. Res.* 25(107):1271-1276. Ref. July 1964. 41.8 Am3A  
W. G. Hepworth, F. M. Blunt, and G. M. Thomas, joint authors.  
Includes anaplasmosis in cattle.
- 103237 HUMMER, R. L. Veterinary public health—the practitioner and his community. *Amer. Vet. Med. Assoc. J.* 145(2):144-149. July 15, 1964. 41.8 Am3
- 103238 HUSSEL, L., and others. World epizootic situation and protection of the national economics. (Ge) *Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed.* 2:94-119. Ref. 1963. 26 L53  
A. Liebisch, J. Schneider, W. Bauer, and M. Drechsler, joint authors.  
English summary.  
Quarantine and inspection of livestock and products.
- 103239 INSTITUT PASTEUR DE TUNIS. Report of activities during the year 1962. (Fr) *Inst. Pasteur de Tunis. Arch.* 40(2):133-212. June 1963. 448.3 In72  
Includes activities in field of veterinary medicine.
- 103240 INUKAI, Y. Role of proteolytic enzyme in toxin production by *Clostridium botulinum* type A. *Jap. J. Vet. Res.* 11(4):143-151. Ref. Dec.1963. 41.8 V6446
- 103241 JENKINS, M. Considerations in establishing a hospital. *Tuskegee Vet.* 8(1):17-19. June 1964. 41.8 T87
- 103242 JIVOIN, P. The effective means of the control of foot-and-mouth disease. (Rus) *Mezhdunarod. Sel'skokhoz. Zhur.* 3:92-94. 1964. 20 M57  
Chiefly Saponin vaccines.
- 103243 JONES, H. G. The behaviour of certain nuclear fission products in the ruminant. In Cuthbertson, D. P., ed. *Progress in nutrition and allied sciences*, p.231-239. Ref. 1963. 389.7 C97P
- 103244 JOSHI, N., BLACKWOOD, A. C., and DALE, D. G. Influence of incubation temperature on the demonstration of cytopathogenic effects in tissue culture. *Canad. J. Microbiol.* 10(4):615-616. Aug.1964. 448.8 C162  
Viruses.
- 103245 JOSHI, N., BLACKWOOD, A. C., and DALE, D. G. A simple chemical method for the detection of leaks in flexible isolators. *Canad. J. Compar. Med. & Vet. Sci.* 28(5):126. May 1964. 41.8 C162  
For rearing and maintaining germfree animals.
- 103246 KARAKULOV, I. K. Spreading of Q fever and methods of its control. (Rus) *Akad. Nauk Kazakhskoi SSR. Vest.* 5:31-39. May 1964. 511 AL6  
Livestock and man.
- 103247 KEEFER, G. V., and BLOBEL, H. Tentative identification of staphylococcal hemolysins and nuclease in immunoelectrophorograms. *Amer. J. Vet. Res.* 25(107):1319-1320. July 1964. 41.8 Am3A
- 103248 KERNKAMP, H. C. H. A century of veterinary research. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:269-279. Ref. 1963. 41.9 Un3
- 103249 KHAN, M. I. A survey of helminth parasites of livestock of Karachi. *Agr. Pakistan* 14(3):290-296. Ref. Sept.1963. 22 Ag832
- 103250 KILIAS, R., and FRICK, W. The intermediate snail hosts of important helminths of native and domestic animals. I. (Ge) *Angew. Parasitol.* 4(2):65-99. July 1963. 436.8 An4  
English summary.

- 103251 KJOLBERG, O., MANNERS, D. J., and WRIGHT, A. Alpha-1,4-Glucosans. XVII. The molecular structure of some glycogens. *Compar. Biochem. & Physiol.* 8(4):353-365. Ref. Apr. 1964. 444.8 C73  
Includes livestock.
- 103252 KNOWLES, J. O. Beginning the second century. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:9-13. 1963. 41.9 Un3
- 103253 KOGER, F. W. Should your practice be incorporated? *Vet. Med./Small Anim. Clin.* 59(6): 615-616. (Cont.) June 1964. 41.8 M69
- 103254 KONEKAMP, R. Contribution to the hemolysis of lactobacteria (genus *Lactobacillus* beijerinck). (Ge) *Arch. f. Lebensmthg.* 15(6):126-130. Ref. June 20, 1964. 41.8 L49
- 103255 KOZAR, Z., SLADKI, E., and KOZAR, M. Studies on the possibility to make use of pharmacological properties of azulenes for the treatment of acute and chronic trichinellosis. *Wiad. Parazytol.* 9(5):419-434. Ref. 1963. 436.8 W63
- 103256 KRADEL, D. C. Developing concepts of nutritional muscular degenerations in livestock. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:63-67. Ref. 1963. 41.9 Un3
- 103257 KRAUSS, S. Organization and activity of the Instytut Weterynarii. (Pol) *Nauka Polska* 11 (5):95-101. Sept/Oct. 1963. 475 N223
- 103258 KRUATRACHUE, M., and HARINASUTA, C. Schistosomiasis in Thailand: absence of infection in animals in an endemic area. *Ann. Trop. Med. & Parasitol.* 58(2):216-218. June 1964. 448.9 L75A
- 103259 KRVAVICA, S., and MARTINCIC, T. The contents of coenzyme A in the liver fluke (*Fasciola hepatica* L.). *Vet. Arh.* 34(3/4):60-62. 1964. 41.8 V6416
- 103260 LARSEN, H. E. Listeriosis in animals in Denmark. A survey of clinical cases and investigations of the environment of stocks with outbreaks of listeriosis. (Da) *Nord. Vetmed.* 16 (5):409-438, map. Ref. May 1964. 41.8 N813  
English summary.  
Includes domestic animals.
- 103261 LAWS, L., and HALL, W. T. K. Melioidosis in animals in North Queensland. 1. Incidence and pathology, with special reference to central nervous system lesions. *Queensland J. Agr. Sci.* 20(4):499-513. Ref. Dec. 1963. 23 Q37
- 103262 LEBEDEV, P. T., and USOVICH, A. T. New methods for veterinary laboratory research. (Rus) *Veterinariya* 4:101-103. Apr. 1964. 41.8 V6426  
Includes equipment.
- 103263 LIEBISCH, A. Phase contrast microscopical observations concerning the morphology of pleuropneumonia-like organism (PPLo) on solid breeding-grounds. (Ge) *Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed.* 2:120-130. Ref. 1963. 26 L53  
English summary.
- 103264 LIERSE, W. The capillary density in the brain of vertebrates. (Ge) *Acta Anat.* 54(1/2):1-31. Ref. 1963. 444.8 Ac82  
English summary.  
Includes domestic animals.
- 103265 LUI, A., CORIC, D., and KRVAVICA, S. Some differences in the localization and distribution of acetylcholinesterase and butyrylcholinesterase in *Ascaris suum*, *Parascaris equorum* and *Neoscaris vitulorum*. *Vet. Arh.* 34(3/4):84-86. 1964. 41.8 V6416
- 103266 LUTTENBERG, J. The fiber count and fiber caliber distribution in the corpus callosum of cats, dogs, rabbits, and rats. (Cz) *Ceskoslov. Morf.* 11(4):291-300. 1963. 444.8 C33  
German summary.
- 103267 MCCRAY, C. W. R., and HURWOOD, I. S. Selenosis in north-western Queensland associated with a marine cretaceous formation. *Queensland J. Agr. Sci.* 20(4):475-498, map. Ref. Dec. 1963. 23 Q37  
Livestock.
- 103268 MACKINNON, J. Veterinary services in the Federation of Rhodesia and Nyasaland. *Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirt. u. Tropvetmed.* 2:139-141. 1963. 26 L53
- 103269 MCNARY, D. C. The many uses of steel in your clinic. *Mod. Vet. Pract.* 45(7):50-51. June 1964. 41.8 N812  
Includes veterinary equipment.
- 103270 MCNARY, D. C. Why do assistants disappear? *Mod. Vet. Pract.* 45(8):43, 46. July 1964. 41.8 N812
- 103271 MAMMERICKX, M. The origins of scientific veterinary medicine in Belgium; the first Belgian veterinarians. (Fr) *Ann. de Med. Vet.* 108 (3):146-151. May 1964. 41.8 An78
- 103272 MANTEN, A., KAMPELMACHER, E. H., and GUINEE, P. A. M. Frequency of resistance to tetracycline and chloramphenicol among *Salmonella* strains isolated in the Netherlands in 1962. *Antonie van Leeuwenhoek J. Microbiol. & Serol.* 30(1):10-16. 1964. 448.8 N28A  
Chiefly *S. typhi* murium, isolated from livestock and meat products.
- 103273 MARIANI, A. P. Xanthurenic acid in rumen liquid incubated with addition of L-tryptophan. (It) *Pisa. U. degli Studi. Facol. di Med. Vet.* Ann. 16:15-20. 1963, pub. 1964. 41.9 P67  
English summary.
- 103274 MARICA, D., and MAY, I. The Aujeszky disease in ruminants and carnivorous animals. (observations on the different source of infection). (Rum) *Cluj. Inst. Agron. "Dr. Petru Groza."* *Lucrari Sti.* 19:283-289. Ref. 1964. 21 C622  
English summary.
- 103275 MARKOVITS, P., and TOTH, B. The propagation of Newcastle disease virus (NDV) in tissue cultures. III. *Acta Vet. [Budapest]* 14(1):63-70. Ref. 1964. 41.8 Ac83
- 103276 MARKUS, J. Problem of prenatal mortality in our useful animals. (Hu) *Termesztud.* *Kozlony* 8(1):20-22. Jan. 1964. 410 T272
- 103277 MARSH, C. A., and LEVY, G. A. The metabolism of D-glucuronic acid. In Cuthbertson, D. P., ed. *Progress in nutrition and allied sciences*, p.307-312. Ref. 1963. 389.7 C97P  
In animals.
- 103278 MATUSEVICH, V. F., and others. Modified system of determination of opsonic-phagocytic reaction and bactericidal activity of blood [of domestic animals]. (Rus) *Veterinariya* 4:105-108. Apr. 1964. 41.8 V6426  
A. S. Sten'ko, A. N. Lakhm'itkina, and N. F. Rishchenko, joint authors.
- 103279 MAUCH, A. The "stress" phenomenon in animal husbandry. (Rum) *Rev. de Zootech. si Med. Vet.* 14(2):85-88. Ref. Feb. 1964. 49 P943
- 103280 MERKAL, R. S., and others. Improvements in the techniques for primary cultivation of *Mycobacterium paratuberculosis*. *Amer. J. Vet. Res.* 25(107):1290-1294. July 1964. 41.8 Am3A  
K. E. Kopecky, A. B. Larsen, and J. R. Thurston, joint authors.
- 103281 MESZAROS, J. Cooperation of the learned in veterinary medicine. (Rus) *Mezhdunarod. Sel'skokhoz. Zhur.* 3:24-25. 1964. 20 M57  
USSR bloc.
- 103282 MICHAELSON, S. M. Analysis of the Rochester Animal Technicians Training Program. *Lab. Anim. Care* 13(4, pt. 1):490-498. Aug. 1963. 410.9 P94  
Training especially for laboratory animal work.
- 103283 MNATSAKANYAN, A. G. The spread and control of brucellosis in the Armenian SSR. 2 p. *Transl.* 14018  
Man and animals.  
Translation from *Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii* 2:149. Feb. 1964.
- 103284 MORRE, J. The use of radioisotopes in clinical biology and in biological chemistry. (Fr) *Rec. de Med. Vet.* 140(6):479-487. June 1964. 41.8 R24  
English summary.  
Includes veterinary diagnostic use.



- 103285 MULLER, J. Rabies in Denmark. (Da) Danske Dyrægefor. Medlemsbl. 47(14):719-729. July 15, 1964. 41.9 D23
- 103286 NAI, D. D. Aims and limits of veterinary hygiene. (It) Nuovo Prog. Vet. 19(12):531-532, 534-536. June 30, 1964. 41.8 P942
- 103287 NATIONAL ASSOCIATION OF FEDERAL VETERINARIANS. Proposed constitution and by-laws. Fed. Vet. 21(4):1-11. July/Aug. 1964. 41.9 N212Na  
Includes three attachments containing related correspondence.
- 103288 NEFTYANOVA, E., and KUNEV, P. Virulence to man of the Brucella suis variety spread in Bulgaria. (Bu) Akad. Selskstopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 7:57-60. Ref. 1963. 41.9 So2  
English summary.
- 103289 NEW YORK ACADEMY OF SCIENCES. Veterinary toxicology; conference held July 25 and 26, 1963, edited by K. L. Gabriel. N. Y. Acad. Sci. Ann. 111(2):559-812. Ref. Apr. 24, 1964. 500 N484  
American College of Veterinary Toxicologists, cooperating.
- 103290 NOBLE, E. R. Parasitology; the biology of animal parasites. Ed. 2. Philadelphia, Lea & Febiger, 1964. 724 p. Ref. 436 N663  
Includes insects and other arthropod pests of livestock.
- 103291 NORTHERN RHODESIA, DEPT. OF VETERINARY AND TSETSE CONTROL SERV. Annual report for the year 1963. Lusaka, 1964. 15 p. 41.9 N816
- 103292 OGER, Y. Has foot and mouth disease disappeared? (Fr) Agr. Prat. 128(6):24-25. June 1964. 14 J82
- 103293 OMAR, A. R. The characteristic cells of the lung and their reaction to injury. I. Vet. B. 34(7):371-382. July 1964. 41.8 T752  
Review of literature.
- 103294 ON THE veterinary profession in South Africa. (Ge) Prakt. Tierarzt 45(7):330-332. (Cont.) July 1, 1964. 41.8 P882
- 103295 PAIK, W. K. A comparative study of -lysine acylase. Compar. Biochem & Physiol. 9(1):13-22. Ref. May 1963. 444.8 C73  
In livestock, Psalliotia campestris, and yeast.
- 103296 PALS, C. H. The team of veterinary research and meat inspection. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:280-285. 1963. 41.9 Un3
- 103297 PARRISH, H. M., BLENDEN, D. C., and CLAYTON, F. W. The veterinarian's role in community health activities. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:215-218. 1963. 41.9 Un3
- 103298 PEKER, M. Inorganic metabolism of domestic animals. (Tu) Ankara, Lalahan Zooteh. Arastirma Enstitusu. Dergisi 3(3/4):62-88. Ref. Sept./Dec. 1963. 49.9 An6  
German summary.
- 103299 PENCIU, P., and ROZENBERG, V. Investigations on the role of sanitary education in the prevention and control of zoonoses. (Rum) Microbiol. Parazitol. Epidemiol. 9(1):77-79. Ref. Jan./Feb. 1964: 448.3 M584
- 103300 PERK, K., FREI, Y. F., and HERZ, A. Osmotic fragility of red blood cells of young and mature domestic and laboratory animals. Amer. J. Vet. Res. 25(107):1241-1248. Ref. July 1964. 41.8 Am3A
- 103301 PHILLIPS, D. H. From Smarden to Merthyr Tydfil—a line to keep open. Mother Earth 13(3):179-181. July 1964. 56.8 M85  
Fluoroacetamide poisoning of livestock.
- 103302 PHILLIPSON, A. T. Rumination and the propulsion of food. In: Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.115-126. Ref. 1963. 389.7 C97P
- 103303 PITTMAN, K. A., and BRYANT, M. P. Peptides and other nitrogen sources for growth of Bacteroides rumenicola. J. Bact. 88(2):401-410. Ref. Aug. 1964. 448.3 J82  
Rumen bacteria.
- 103304 PLASTRIDGE, W. N., WILLIAMS, L. F., and TROWBRIDGE, D. G. Antibiotic sensitivity of physiologic groups of microaerophilic vibrios. Amer. J. Vet. Res. 25(107):1295-1299. Ref. July 1964. 41.8 Am3A
- 103305 PLYASHCHENKO, S. I. Contribution of veterinary specialists to the development of livestock. (Rus) Veterinariya 4:1-3. Apr. 1964. 41.8 V6426
- 103306 POLSKIE TOWARZYSTWO PARAZYTOLOGI-CZNE. Sympozjum faunistyczne Warszawa, 22 i 23 marca 1963. Faunistic symposium Warsaw, March 22 and 23, 1963. Wiad. Parazytol. 9(4):277-380. 1963. 436.8 W63  
Introduction in English, with summaries of Polish papers.  
Includes livestock parasites and pests.
- 103307 POPESCU-BARAN, M., and others. Improvement of animal tuberculosis allergic diagnosis in the R.P.R. by single and simultaneous tests and using purified tuberculin (PPD). (Rum) Rev. de Zooteh. si Med. Vet. 13(1):50-63. Ref. Jan. 1963. 49 P943  
G. Ciorte, C. Ionica, C. D. Tudor, C. Vior, E. Edu, E. Marcea, P. Jivoin, S. Cambir, L. Nitoiu, I. Predoiu, E. Creanga, G. Faur, M. Diaconu, and E. Voinov, joint authors.  
English summary.
- 103308 POPPENSIEK, G. C. Challenges facing regulatory veterinary medicine. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:225-230. 1963. 41.9 Un3
- 103309 POSSIBLE hazards in the veterinary use of antibiotics with particular reference to their use as food additives. Vet. Rec. 76(4):110-111. Jan. 25, 1964. 41.8 V641  
Residues in livestock products of antibodies used in therapy or in feedstuffs.
- 103310 PRASSE, R. Absonal disinfection spray in practice. (Ge) Prakt. Tierarzt 45(7):301-302. July 1, 1964. 41.8 P882
- 103311 PRITCHARD, W. R. Animal diseases that endanger human health. Region. Conf. Rur. Health, West. States, 4th Region. Conf.:18-23. 1962. 448.9 R26
- 103312 PROKUPEK, K., and SEDLAR, L. On the problem of latent Salmonella infections of domestic animals. (Cz) Veterinarstvi 14(6):243-245. June 1964. 41.8 V6439
- 103313 PROSTYAKOV, A. P., FORTUSHNYI, V. A., and KOVYNDIKOV, M. S. Evaluation of changes in fractional composition of serum albumins of domestic animals. (Rus) Veterinariya 4:109-111. Apr. 1964. 41.8 V6426
- 103314 THE PROTECTION of Animals (Anaesthetics) Act 1964. Vet. Rec. 76(26):709. June 27, 1964. 41.8 V641  
This issue includes list of anesthetics, sedatives and bibliography of anesthetics.
- 103315 PRUNET, P. Alteration in the behavior of foot-and-mouth disease viruses in the course of successive transfers in tissue culture at various temperatures; attempts at isolation of (cold) mutants. (Fr) Inst. Pasteur. Ann. 106(1):18-28. Ref. Jan. 1964. 448.3 An75  
English summary.
- 103316 PULLAR, J. D. Energy metabolism. In: Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.187-197. Ref. 1963. 389.7 C97P  
Research with sheep, swine, and poultry.
- 103317 REGNOULT, M. G. Animal tuberculosis in the French speaking territories of West Africa. (Fr) Rev. de Path. Gen. et de Physiol. Clin. 63(753):1093-1115. Ref. Dec. 1963. 448.8 R326
- 103318 RENK, W. Veterinary medicine research and practice in South Africa. (Ge) Berlin. u. Munch. Tierarztl. Wehnschr. 77(12):236-238. June 15, 1964. 41.8 B45  
English summary.
- 103319 RIEMANN, A. T. A veterinary research institute. (Da) Danske Dyrægefor. Medlemsbl. 47(15):806-809. Aug. 1, 1964. 41.9 D23  
Internship for veterinarians.

- 103320 RIPEANU, M. Observations on some important cases of poisoning of animals. (Rum) Rev. de Zooteh. si Med. Vet. 13(12):61-69. Dec.1963. 49 P943  
Poisonous plants.
- 103321 ROCKEFELLER, N. A. Veterinary medicine's contributions. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:14-16. 1963. 41.9 Un3
- 103322 ROSATI, T. The work of the veterinary hygienist in the prevention of infectious diseases of animals. (It) Nuovo Prog. Vet. 19(13):578,580-581. July 15,1964. 41.8 P942
- 103323 ROSTOMYAN, S. V. Etiology and epizootology of leptospirosis of domestic animals of the Armenian SSR. (Rus) Veterinariya 4:43-45. Apr.1964. 41.8 V6426  
Includes serological tests.
- 103324 ROTH, E. E., and others. Comparative cultural results of renal tissue and urine of striped skunks for leptospires. Cornell Vet. 54(3):353-359. Ref. July 1964. 41.8 C81  
K. Newman, M. Moore, G. E. Sanford, W. V. Adams, and B. Greer, joint authors.
- 103325 ROTH, L. E., and SHIGENAKA, Y. The structure and formation of cilia and filaments in rumen protozoa. J. Cell Biol. 20(2):249-270. Ref. Feb.1964. 442.8 J828
- 103326 SAVI, P. The veterinary directives of the European Economic Community. (It) Nuovo Prog. Vet. 19(13):581-582,584-586. July 15,1964. 41.8 P942  
Action taken in veterinary sanitation and meat industry problems.
- 103327 SAVOV, N. Stability of *Vibrio foetus genitalis* under different conditions and under the action of antibiotics and chemical preparations. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 9:49-57. Ref. 1963. 41.9 So2  
English summary.
- 103328 SCHILLER, A. G., and HELPER, L. C. Pedicle graft accelerates healing. Mod. Vet. Pract. 45(8):68. July 1964. 41.8 N812
- 103329 SCHJERNING-THIESEN, K. Differentiation of virus types in foot-and-mouth disease (FMD). Acta Vet. Scand. 5(2):133-145. Ref. 1964. 41.8 Ac87
- 103330 SCHMIDT, S. Virus-vaccines; fowl plague and foot-and-mouth disease. Copenhagen, Munksgaard, 1963. 63 p. Ref. 41 Sch57
- 103331 SCHMIDT-NIELSEN, K. Desert animals; physiological problems of heat and water. Oxford, Clarendon Press, 1964. 277 p. Ref. 411.2 Sch5  
Includes livestock in desert areas.
- 103332 SCHOLTENS, R. G., and BRIM, A. Isolation of *Listeria monocytogenes* from foxes suspected of having rabies. Amer. Vet. Med. Assoc. J. 145(5):466-469, map. Ref. Sept.1,1964. 41.8 Am3  
Includes possible transmission to livestock in Georgia.
- 103333 SCHUTZLER, G., and SIEWERT, E. Doctorates in veterinary medicine in Germany. (Ge) Berlin. u. Munch. Tierarztl. Wchnschr. 77(12):238-242. June 15,1964. 41.8 B45  
English summary.
- 103334 SELLERS, R. F. Virulence and interferon production of strains of foot-and-mouth disease virus. J. Immunol. 93(1):6-12. Ref. July 1964. 448.8 J8232
- 103335 SHAHAN, M. S. Activities of the National Academy of Sciences in relation to foot-and-mouth disease in Argentina. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:254-257. 1963. 41.9 Un3
- 103336 SIMON, H. A new treatment table for veterinarians. (Ge) Tierzucht 18(5):254-255. May 1964. 49 T443
- 103337 SINDACATO ITALIANO VETERINARI IGIENISTI. The congress of the S.I.V.I.: reports. (It) Nuovo Prog. Vet. 19(13):561-564,567-570,572-574,576,578,580-582,584-586,588,590. July 15, 1964. 41.8 P942  
Papers presented, and proceedings, of the meeting in Novara, May, 1964.
- 103338 SJOLLEMA, P. The significance of *Salmonellae* in feeds for the epizootiology of salmonellosis. (Du) Tijdschr. v. Diergeneesk. 89(14):992-1002. Ref. July 15,1964. 41.8 T431  
English summary.
- 103339 SMIRNOVA, G. A., and STAKHANOVA, V. M. Biological characteristics of grippe viruses of animals. (Rus) Veterinariya 4:7-12. Ref. Apr.1964. 41.8 V6426  
Includes antigens and antibodies.
- 103340 SNYDER, C. C. The thymus gland and immunity; experimental surgical procedure investigating the role of the thymus gland in the rejection or acceptance of homotransplants. (Abs) Vet. Med./Small Anim. Clin. 59(3):259-263. Mar.1964. 41.8 M69
- 103341 SOCIETY OF PROTOZOOLOGISTS. Program and abstracts, seventeenth meeting, Boulder, Colorado, U.S.A., 24-28 August, 1964. J. Protozool. 11(sup.)58 p. Aug.1964. 439.8 J82  
Includes parasites of livestock.
- 103342 SPINK, W. W. Host-parasite relationship in brucellosis. Lancet 2(7352):161-164. Ref. July 25,1964. 448.8 L22  
Includes livestock.
- 103343 STALHEIM, O. H. V., and WILSON, J. B. Antigenicity and immunogenicity of leptospires grown in chemically characterized medium. Amer. J. Vet. Res. 25(107):1277-1280. July 1964. 41.8 Am3A
- 103344 STEELE, J. H. Veterinary medicine and the public health. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:219-221. 1963. 41.9 Un3
- 103345 STEPHENSON, H. C., and MITTELSTAEDT, S. G., eds. Veterinary drug encyclopedia and therapeutic index; a listing of veterinary drugs, biologicals and foods, and feed additives of American manufacturers. Ed. 12. New York, Donnelley, 1964. 267 p. 41 St49
- 103346 STRAUB, O. C. Veterinary methods of Thailand. (Ge) Tierarztl. Umschau 19(7):353-354, 361-364, map. Ref. July 1,1964. 41.8 T445
- 103347 STROBEL, H. Statistical review of epizootic compensation from 1954-1962. (Ge) Tierzucht 17(11):507-509. Nov.1963. 49 T443
- 103348 STUBBS, E. L. Tumor research problems. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:285-288. Ref. 1963. 41.9 Un3
- 103349 SUBRAMANIAN, G. Studies on the accessory reproductive glands of some helminth parasites of domesticated livestock. Agra U. J. Res. Sci. 12(3):185-187. Sept.1963. 513 Ag8
- 103350 SUGAR-RAGCHAA, TS., SHINZHEE, P., and ABUGALIEV, R. Veterinary services in the People's Republic of Mongolia. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:90-92. 1964. 20 M57
- 103351 SUTHERLAND, T. M. The metabolism of short chain fatty acids in the ruminant. In Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.159-170. Ref. 1963. 389.7 C97P
- 103352 SWEATMAN, G. K., and WILLIAMS, R. J. Comparative studies on the biology and morphology of *Echinococcus granulosus* from domestic livestock, moose and reindeer. Parasitology 53(3/4):339-390. Ref. Nov.1963. 448.8 P21
- 103353 SYMPOSIUM: Relationship between live performance and carcass quality in swine, beef cattle, sheep and poultry. Canad. Soc. Anim. Prod. Proc. 1963:149-166. Ref. 49.9 Ea72  
Panel members: L. A. Charette, T. D. Burgess, M. A. MacDonald, and H. L. Orr.  
Weight and measurement.
- 103354 SZABADOS, T., and others. Effect of iodocasein feeding on the antitoxin titre of animals used in serum production. Acta Microbiol. 10(4):387-396. Ref. 1963/64. 448.3 Ac84  
J. Boszormenyi, G. Dobias, M. Rojti, and V. P. Juhasz, joint authors.
- 103355 SZYNKIEWICZ, Z. M. Viability of *Erysipelothrix insidiosa* in different types of nonsterilized soil. Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. I, Orig. 192(3):336-346. Ref. Apr.1964. 448.3 C33



- 103356 TANGL, H. Stress and its importance in animal husbandry. (Ge) Kosmos 59(11):463-465. Nov.1963. 474 K842
- 103357 TAVERNOR, W. D. Muscle relaxants in veterinary practice. Vet. Rec. 76(26):718-719. June 27,1964. 41.8 V641
- 103358 TEWARI, R. P. Studies on some mycotic infections of domestic animals and poultry. Agra U. J. Res. Sci. 12(3):163-164. Sept.1963. 513 Ag8
- 103359 TODOROV, T. Dehydrogenase activity in Brucellae. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 9:5-14. Ref. 1963. 41.9 So2  
English summary.
- 103360 TOUCAS, L. J. M. Treatment, convalescence, and cure. (Fr) PROVIMI Inform. 38:4-6. First Q.1964. 389.78 P942  
Livestock.
- 103361 TROTTER, D. M. Experimental use of a blood-clot liquefying agent in the preparation of anatomical specimens. Amer. J. Vet. Res. 25 (107):1317-1319. July 1964. 41.8 Am3A
- 103362 UESAKA, S., and OHARA, M. Studies on importance of trace elements in farm animal feeding. XXIV. On the absorption of trace elements in intestine, with special reference to the experimental apparatus for it. (Ja) Kyoto. U. Res. Inst. Food Sci. B. 27:40-51. Ref. Feb.1964. 389.9 K99R  
English summary.
- 103363 VAN DEN HEEVER, L. W. Bladder worms in our slaughter stock. Meat Indus. [Pretoria] 12 (4):33-34. Oct./Dec.1963. 50.8 M466  
Text also in Afrikaans, p. 35-36.
- 103364 VERESHCHAGIN, M. N., and others. Foci of infection. (Rus) Veterinariya 4:25-31. Apr. 1964. 41.8 V6426  
I. I. Lukashev, K. A. Dorofeev, and P. I. Pritulin, joint authors.  
Discussion of A. A. Bioko's article.
- 103365 VETERINARKALENDER [Veterinary almanac], 1964. Norrköping, 1964. 80 p. 41.8 V6442
- 103366 VOISIN, A. Some British opinions concerning the responsibility of "forage intensification" and fertilizers in grass tetany. (Fr) Acad. d'Agr. de France. Compt. Rend. 50(6):500-516. Apr.8/15,1964. 14 P215Bc  
Includes discussion.
- 103367 VOLOSKOV, P. A., and others. Nutritional disorders of reproductive functions of domestic animals. (Rus) Veterinariya 4:81-82. Apr. 1964. 41.8 V6426  
N. N. Mikhailov, I. Ya. Chistyakov, and P. F. Kudryavtsev, joint authors.  
Chiefly sterility of cows.
- 103368 VRIES, J. DE. Salmonellosis. X. (Du) Tijdschr. v. Diergeneesk. 89(14):1032-1034. July 15,1964. 41.8 T431  
Reply to comments on his earlier article by E. H. Kampelmacher and P. A. M. Guinee, and their reply, Salmonellosis XI, p. 1034-1036.
- 103369 WAGENAAR, G. Philatelic photo-casuistics. (Du) Tijdschr. v. Diergeneesk. 89(14):1030. July 15,1964. 41.8 T431
- 103370 WANG, C. C. Infectious diseases of animals which can be transmitted to man. (Ch) Nongye Jishu 5:24-26. May 1963. 22.5 N929
- 103371 WATERS, W. B. Professional consultation, a key to progress. Vet. Med. 58(7):599-600. July 1963. 41.8 M69
- 103372 WEAVER, B. Post-operative pain. Vet. Rec. 76(26):719-720. June 27,1964. 41.8 V641
- 103373 WEI, C. K. Use 666 to cure ringworm in livestock. (Ch) Nongye Jishu 12:38-39. Dec.1962. 22.5 N929
- 103374 WELLS, K. F., GASSE, H., and VITTOZ, R. The technical role of veterinary quarantine regulations in the protection of the health of animals, as both national and international projects. Food & Agr. Organ. United Nations. Anim. Health Ybk. 1963:283-288. 1964. 41.9 F732A  
Text also in French, p.289-294, and in Spanish, p.295-301.
- 103375 WOELFFER, E. A. Fluoride poisoning. Hoard's Dairyman 109(16):904. Aug.25,1964. 44.8 H65  
In livestock.
- 103376 WORLD HEALTH ORGANIZATION. VETERINARY PUBLIC HEALTH UNIT. Zoonoses in relation to international transfer of animals and animal products. Food & Agr. Organ. United Nations. Anim. Health Ybk. 1963:302. 1964. 41.9 F732A  
Text also in French, p.303-304, and in Spanish, p.305-306.
- 103377 WRIGHT, J. G. Anaesthesia in animals: a review. Vet. Rec. 76(26):710-713. June 27,1964. 41.8 V641
- 103378 WU, C. Glutamine synthetase. I. A comparative study of its distribution in animals and its inhibition by DL-allo-delta-hydroxylysine. Compar. Biochem. & Physiol. 8(4):335-351. Ref. Apr.1964. 444.8 C73  
Includes livestock.
- 103379 YAMAGISHI, T., ISHIDA, S., and NISHIDA, S. Isolation of toxigenic strains of Clostridium perfringens from soil. J. Bact. 88(3):646-652. Ref. Sept.1964. 448.3 J82
- 103380 YANOVSKII, I. I. Content of calcium, phosphorus and iron in walls of horn of the uterus of domestic animals. (Rus) Uz. Nauch.-Issled. Inst. Zhivotn. Tr. 7:125-130. 1962. 49.9 Uz12T
- 103381 ZAWIELAK, J. Electrometric method of assaying respiration gases in energy metabolism investigation. Acta Agr. et Silvestria. Ser. Zootech. 3:3-48. Ref. 1963. 49 Ac8
- 103382 ZELLER, R. A new photolaryngoscope with endocorporal electron flashlight for large animals. (Ge) Berlin. u. Munch. Tierarztl. Wchnschr. 77(12):242-244. June 15,1964. 41.8 B45  
English summary.

## MISCELLANEOUS

- 103383 AMERICAN SOCIETY OF ANIMAL SCIENCE. Abstracts of papers for presentation at the 56th annual meeting. J. Anim. Sci. 23(3):847-916. Aug.1964. 49 J82
- 103384 AMERICAN SOCIETY OF ANIMAL SCIENCE. Committee reports and reports from representatives of the Society. J. Anim. Sci. 23(3):917-926. Aug.1964. 49 J82
- 103385 BRITISH SOCIETY OF ANIMAL PRODUCTION. Proceedings of the 40th meeting, London, 24-25 March 1964; titles and abstracts of papers presented. Anim. Prod. 6(2):253-264. June 1964. 49 An55
- 103386 CANADIAN NATIONAL LIVESTOCK RECORDS. Fifty-ninth annual report of the record committee for the year 1963. Ottawa, 1964. 63 p. 49.9 C163
- 103387 CANADIAN SOCIETY OF ANIMAL PRODUCTION. Proceedings of the annual meeting of the general society and the Eastern Branch, 1963. n.p., 1963. 180 p. Ref. 49.9 Ea72  
Papers presented: symposiums and abstracts.
- 103388 CARDONA M., H. Relative influence of extension methods on the diffusion of certain animal husbandry techniques. (Sp) Turrialba 14(2):101-103. Apr./June 1964. 8 T86  
English summary.
- 103389 DENMARK. STATENS HUSDYRBRUGSUDVALG. Virksomheden [Activities], 1962-63. København, 1963. 39 p. 49.9 D412
- 103390 DEUTSCHE AKADEMIE DER LANDWIRTSCHAFTSWISSENSCHAFTEN. SEKTION TIERZUCHT, TIERERNAHRUNG UND FISCHEREI. Principles for program in young animal rearing. (Ge) Tierzucht 17(12):536-541. Dec.1963. 49 T443
- 103391 EMO, J. A. 4-H animal science project; six counties test new approach. Ext. Serv. Rev. 35(8):142-143. Aug.1964. 1 Ex892Ex  
California.

- 103392 GRAVESEN, J. Animal husbandry in 1963. (Da) Tidsskr. f. Landokon. 6:285-306. June/July 1964. 11 T43
- 103393 GT. BRIT. NATIONAL AGRICULTURAL ADVISORY SERV. BRIDGET'S EXPERIMENTAL HUSBANDRY FARM. Farm guide 1964. Mar-tyr Worthy, 1964. 64 p.,map. 49.9 G792
- 103394 GT. BRIT. NATIONAL AGRICULTURAL ADVISORY SERV. GLEADTHORPE EXPERIMENTAL HUSBANDRY FARM. Farm guide 1964. Welbeck Colliery Village, 1964. 53 p.,map. 49.9 G794
- 103395 GT. BRIT. NATIONAL AGRICULTURAL ADVISORY SERV. HIGH MOWTHORPE EXPERIMENTAL HUSBANDRY FARM. Farm guide 1964. Duggleby, 1964. 63 p.,map. 49.9 G796
- 103396 GT. BRIT. NATIONAL AGRICULTURAL ADVISORY SERV. TERRINGTON EXPERIMENTAL HUSBANDRY FARM. Farm guide 1964. Ter-rington St. Clement, 1964. 45 p.,map. 49.9 G798
- 103397 GT. BRIT. NATIONAL AGRICULTURAL ADVISORY SERV. TRAWSCOED EXPERIMENTAL HUSBANDRY FARM. Farm guide 1964. Aber-ystwyth, 1964. 59 p.,map. 49.9 G799
- 103398 LOFFELBEIN, H. The tasks of VVB Tierzucht in improving the performance level of livestock. (Ge) (Condensed.) Tierzucht 18(3):114-118. Mar.1964. 49 T443
- 103399 MAGLIANO, A. A short investigation on the present condition of Italian zootechny. (It) Pisa. U. degli Studi. Facol. di Med. Vet. Ann. 16:26-60. 1963, pub. 1964. 41.9 P67 English summary.
- 103400 MASSEY UNIVERSITY COLLEGE. Sheepfarm-ing annual 1963, including the proceedings of the twenty-sixth annual meeting of sheep farm-ers conducted by Massey University College, Palmerston North, on June 25-27, 1963, edited by R. A. Barton. Wellington, 1963. 270 p. 45.9 M38S
- 103401 MAUNDER, W. J. The climates of the pastoral production areas of the world. New Zeal. Inst. Agr. Sci. Proc. 9:25-40. 1963. 23 N489P Discussion, p.61-62.
- 103402 NEW ZEALAND. DEPT. OF AGRICULTURE. Annual reports of Ruakura and Wallaceville Animal Research Stations and Whatawhata Hill Country Station 1962-63. Wellington, 1963. 54 p. Ref. 49.9 N482A
- 103403 SAINT MARTIN, C. Modern methods of slaugh-tering and carcass preparation. (Fr) RTVA 3(13):13-21. July/Aug.1963. 50.8 R322
- 103404 SAMVIRKENDE SJAELLANDSKE HUSMANDS-FORENINGER. HUSDYRBRUGSUDVALGET. 1. Beretning om husdyrbrugsarbejdet [Report on animal industry], 1963, by K. E. Nielsen. Sla-gelse, 1964. various paging, map. 49.9 Sa4
- 103405 SPECK, R. V. Mental health problems involv-ing the family, the pet, and the veterinarian. Amer. Vet. Med. Assoc. J. 145(2):150-154. July 15, 1964. 41.8 Am3
- 103406 STRADELLI, A. Review of construction: the slaughterhouse of Vercelli. (It) Nuovo Prog. Vet. 19(13):592-595. July 15, 1964. 41.8 P942
- 103407 THERET, M. The first International Agricul-ture Week. (Fr) Rec. de Med. Vet. 140(6):461-477. June 1964. 41.8 R24 English summary. Especially showing of livestock.
- 103408 TURIN. ISTITUTO ZOOTEKNICO E CASEA-RIO PER IL PIEMONTE. Relazione sul funzio-namento nell'anno 1962 [Report of activities for the year 1962]. Chieri, 1963. 50 p. 49.9 Is72
- 103409 WILLHAM, O. New targets for animal agricul-ture. Natl. Inst. Anim. Agr. Proc., 13th Conf.: 9-14. 1963. 49.9 N219 Aim to cut losses from diseases and to in-crease breeding efficiency.
- 103410 WORONIUK, J. Saskatchewan drought. Canad. Cattlemen 27(8):25. Aug.1964. 49 C16 Includes effects on animals.
- 103411 ZALKIN, V. I. Domestic animals in Eastern Europe in the early iron age. (Rus) Moskov. Obshch. Isp. Prirody. B. Otd. Biol. 3:25-39. Ref. May/June 1964. 511 M85
- 103412 ZSCHOMMLER, H. G. Topical works of the Deutsche Landwirtschaftsverlag relating to ani-mal husbandry. (Ge) Tierzucht 18(4):176-178. Apr.1964. 49 T443

## CATTLE

## Breeds and Breeding

- 103413 ABERDEEN-ANGUS CATTLE SOCIETY. The Aberdeen-Angus herd book, Volume 88. Aber-deen, 1964. 623 p. 43.9 P76
- 103414 ABERDEEN ANGUS JOURNAL. Herd reference edition. Aberdeen Angus J. 45(12):652 p. July 1964. 43.8 Ab3 Includes articles on Angus breeding and his-tory.
- 103415 ALBA, J. DE, and MUNOZ, H. Tests of bulls in the Criollo cattle of Turrialba. (Sp) Turri-alba 14(2):76-81. Ref. Apr./June 1964. 8 T86 English summary.
- 103416 ATTAL, J., and COUROT, M. Testicular de-velopment and establishment of spermatogene-sis in the bull. (Fr) Ann. de Biol. Anim. Bio-chim. Biophys. 3(3):219-241. Ref. 1963. 442.8 An75 English summary.
- 103417 BARCZY, G., and BODA, I. Comparative fat-tening of Hungarian Spotted  $\times$  Charolais F<sub>1</sub> and Hungarian Spotted young heifers. (Hu) Allate-nyeszes 13(2):115-124. June 1964. 49 AL57 English summary.
- 103418 BARRETT, G. R. Will it pay to breed heifers to beef bulls? Hoard's Dairyman 109(16):885, 914. Aug.25, 1964. 44.8 H65
- 103419 BECZE, J. Nature of sterility due to alimen-tary causes of cattle in Hungary. (Ge) Wien. Tierarztl. Monschr. 51(5):289-300. May 1964. 41.8 T345 English summary. Nutritional deficiencies.
- 103420 BISPING, W., LANGENEGGER, J., and WIN-KENWERDER, W. Diagnosis and occurrence of the Vibrio fetus infection of bulls in North-west Germany and suggestions for eradication. (Ge) Deut. Tierarztl. Wchnschr. 71(12):321-324. Ref. June 15, 1964. 41.8 D482 English summary.
- 103421 BLACKSHAW, A. W. The enzymatic activity of bull testis and epididymal spermatozoa. Aus-tral. J. Biol. Sci. 17(2):489-498. Ref. May 1964. 442.8 Au72
- 103422 BONADONNA, T. Present knowledge on the di-lution and on the deep-freezing of Bos taurus spermatic material. (It) Zootec. e Vet. 18 (11/12):389-406. Nov./Dec.1963. 41.8 Z7 English summary.
- 103423 BONE, J. F. Disorders of the bovine penis: diagnosis and treatment. Mod. Vet. Pract. 45 (8):38-42. July 1964. 41.8 N812
- 103424 BONELLI, P., and POLY, J. Cows raised exten-sively in Sardinia in the production of beef calves. (It) Agricoltura 13(2):41-54. Feb. 1964. 16 Ag8226
- 103425 BONELLI, P., and POLY, J. Industrial cross-ing in production of calves. (It) Prog. Agr. [Bologna] 10(2):189-208. Feb.1964. 58.8 P94
- 103426 BOTTGER, T. About the frequency of interdigi-tal growths in Black Pied Lowland bulls and its dependance from the age of the animal exam-ined. (Ge) Deut. Tierarztl. Wchnschr. 69(20): 596-598. Oct.15, 1962. 41.8 D482 English summary.
- 103427 BOWSTEAD, J. L. The Hereford came to Tex-as, liked it and stayed. Cattleman 51(3):35-38, 88,90. Aug.1964. 49 C29



- 103428 BRATTSAND, R., and LINDAHL, P. E. An unknown volatile acid derived from fatty acids in seminal plasma particles. *Arkiv f. Kemi* 22(2): 185-188. 1964. 385 Ar4  
Bulls.
- 103429 BRINKS, J. S., and others. Estimates of genetic, environmental and phenotypic parameters in range Hereford females. *J. Anim. Sci.* 23 (3):711-716. Ref. Aug.1964. 49 J82  
R. T. Clark, N. M. Kieffer, and J. J. Urick, joint authors.
- 103430 BRITISH CATTLE BREEDERS' CLUB. The winter conference, Cambridge 14th-17th January, 1963. Guilford, Surrey, 1963. 130 p. 43.9 B775
- 103431 BROWN, C. J., and LUEKER, C. Performance of bulls on Arkansas cooperative beef bull performance test 2. *Ark. Agr. Expt. Sta. Rpt. Ser.* 129, 16 p.-folder, map. July 1964. 100 Ar42R
- 103432 BROWN SWISS CATTLE BREEDERS' ASSOCIATION. Annual report for year ending June 30th 1963. Beloit, Wis., 1963. 20 p. 43.9 B81A
- 103433 CHAMBERS, D. Genetics and inheritability. *Tex. Livestock J.* 23(1):9,51-52. Jan.15,1964. 49 T29  
Cattle.
- 103434 CIOCOIU, F. Bovine animal breeding—important production branch in collective farms. (Rum) *Prob. Econ. [Bucharest]* 17(6):87-101. June 1964. 280.8 P947  
English summary, p. 169.
- 103435 COMPERE, R. Amelioration du bétail local au Centre d'Elevage de Nyamiyaga [Improvement of local cattle at the Nyamiyaga Centre d'Elevage]. *Inst. Natl. pour l'Etude Agron. du Congo. P. Ser. Tech.* 70, 66 p. Ref. 1964. 24 In7P
- 103436 CROSBY, R. K. Artificial insemination. (Sp) *Soc. Rur. Argentina. An.* 98(6):24-25. June 1964. 9 Sol  
Cattle.
- 103437 DANOV, D. Observation on sexual functions of young bulls in early age. (Cz) *Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba* 37(2):119-134. Ref. Feb.1964. 49.9 C33  
German summary.
- 103438 DAVIDOV, R. B. Factors affecting protein content of milk. (Rus) *Zhivotnovodstvo* 3:46-51. Mar.1964. 49 Z6  
Chiefly breeds and feeding.
- 103439 DAWSON, F. L. M. The effect on fertility of high milk production in cattle—a review. *Refuah Vet.* 20(4):242-234. Ref. Dec.1963. 41.8 R25
- 103440 DESAI, R. N., and KUMAR, D. Method of fitting constants and weighted squares of means to study the effect of season of calving on production traits in Murrah buffaloes. *Indian Vet. J.* 41(4):275-280. Apr.1964. 41.8 In2
- 103441 DUTT, M., SINGH, S. P., and SINGH, S. B. Prediction of lactation yield on part yields in Haryana cattle. *Indian Vet. J.* 41(4):273-275. Apr.1964. 41.8 In2
- 103442 EAPEN, K. J., SRIVASTAVA, P. N., and NASIR, M. M. R. Relationship between some seminal constituents in buffalo semen. *Indian Vet. J.* 41(4):284-286. Apr.1964. 41.8 In2
- 103443 ENGLISH GUERNSEY CATTLE SOCIETY. The English Guernsey Cattle Society's herd book, vol. 80. Lewes, 1964. 552 p. 43.9 En33
- 103444 ENGLISH GUERNSEY CATTLE SOCIETY. Production register 1964. n. p., 1964. 168 p. 43.9 En33P
- 103445 FAULKNER, L. C., CARROLL, E. J., and BENJAMIN, M. Effect of coumaphos on bulls. *Amer. Vet. Med. Assoc. J.* 145(5):456-459. Ref. Sept.1,1964. 41.8 Am3  
Effect on semen quality, blood, and urine.
- 103446 FRANK, A. H., BRYNER, J. H., and O'BERRY, P. A. Reproductive patterns of female cattle bred for successive gestations to *Vibrio* fetus-infected bulls. *Amer. J. Vet. Res.* 25(107):988-992. Ref. July 1964. 41.8 Am3A
- 103447 FREGOLA, C. The Piedmont cattle breed. (It) *Riv. di Zootec.* 37(6):403-405. June 1964. 49 R52
- 103448 GORYASHIN, V. A., EFIMOV, A. E., and PROKHORENKO, P. N. Productiveness of Black Pied Lowland and Jersey crossbreeds. (Rus) *Zhivotnovodstvo* 3:78-81. Mar.1964. 49 Z6  
Milk production.
- 103449 GT. BRIT. MILK MARKETING BOARD. PRODUCTION DIV. Progeny recorded bulls with contemporary comparisons. V. 8. Friesian breeds. n.p., 1963. 113 p. 43.9 G794
- 103450 HAFS, H. D., and BOYD, L. J. Mistakes we make in management. *Hoard's Dairyman* 109 (15):834-835. Aug.10,1964. 44.8 H65  
Artificial insemination.
- 103451 HAMBLY, A. E. Beef breeds in the Republic of South Africa—the Hereford breed. *Meat Indus. [Pretoria]* 12(4):27-30. Oct./Dec.1963. 50.8 M466  
Text also in *Afrikaans*, p. 30-32.
- 103452 HEROLD, I., and VERESS, L. The establishment of milk protein production capacity of Hungarian Spotted cows and the efficacy of its selection based on milkfat production. (Hu) *Allattenyesztes* 13(2):109-114. Ref. June 1964. 49 AL57  
English summary.
- 103453 HILLERS, J., and FREEMAN, A. E. Effects of inbreeding and selection in a closed Guernsey herd. *J. Dairy Sci.* 47(8):894-897. Ref. Aug. 1964. 44.8 J822
- 103454 HOLL, C., and CHLOUPEK, R. Breeding of cattle families as an effective means for the grading up of cattle of the Red-Spotted breed. (Cz) *Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba* 37(1):1-10. Jan.1964. 49.9 C33  
English summary.
- 103455 HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA. Holstein-Friesian herd-book, volume 180, from December 15, 1963 to December 31, 1963. Brattleboro, Vt., 1964. unpagged. 43.9 H74
- 103456 HRUDKA, F. Cytological method for determining the vitality of sperm. (Cz) *Biologia [Bratislava]* 18(12):937-939. 1963. 44.8 B5265  
German summary.  
Bulls and other livestock.
- 103457 INDREBO, T. Artificial insemination in the breeding work. (No) *Landslaget Telemarkfe. Telemarkfeet* 1964:19-21. 43.9 L23  
Dairy cattle.
- 103458 IVERSEN, S. Surface reflexion interference microscopy of bull spermatozoa. *Q. J. Micros. Sci.* 105(2):245-246. June 1964. 440.8 Q2
- 103459 JHA, B. N., and BISWAS, S. C. Effect of the length of dry period on the successive lactation yield in Tharparkar cows. *Indian Vet. J.* 41(6): 404-409. Ref. June 1964. 41.8 In2
- 103460 KOJIMA, Y., and ISHIKAWA, T. An electron microscopic study of the protoplasmic droplet of bull spermatozoa. (Fr) *Jap. J. Vet. Res.* 11 (4):152-158. Ref. Dec.1963. 41.8 V6446  
English summary.
- 103461 KRAUSE, D. Contribution to the sampling of urines in bulls. (Ge) *Deut. Tierarztl. Wchnschr.* 69(20):594-595. Ref. Oct.15,1962. 41.8 D482  
English summary.
- 103462 LANDSLAGET FOR TELEMARKEFE. Telemarkfeet [The Telemark cattle], 1962. Bo, 1963. 29 p. 43.9 L23
- 103463 LANDSLAGET FOR TELEMARKEFE. Telemarkfeet [The Telemark cattle], 1963. Bo, 1964. 32 p. 43.9 L23
- 103464 LEUTHOLD, G. Results of Jersey crossing program in the German Democratic Republic. 3. (Ge) *Tierzucht* 18(6):289-292. June 1964. 49 T443
- 103465 LUCIFERO, M. Brown Alpine cattle raised in Sardinia and their vital statistics. (It) *Riv. di Zootec.* 37(6):383-402. June 1964. 49 R52  
Especially breeding and milk production.
- 103466 LUCIFERO, M. Investigation of some vital statistics on the Brown Alpine race bred in the Province of Sassari and Nuoro. (It) *Studi Sassaresi. Sez. III*, 10:187-200. Ref. 1962, pub. 1963. 507 Sa7Sa  
Includes longevity of cattle.

- 103467 LYSENKO, T. D. Theoretical speculations proved to be correct. (Rus) *Agrobiologiya* 2: 171-173. Mar./Apr. 1964. 20 Ag822  
Dairy cattle breeding.
- 103468 MANTA, D., MARIAN, P., and DUCA, C. The values of some sanguine constants with regard to the milk productivity in a cattle lot from the "Baltata Romineasca" and "Bruna de Munte" breeds. (Rum) *Cluj. Inst. Agron.* "Dr. Petru Groza." *Lucrari Sti.* 19:241-247. 1964. 21 C622  
English summary.
- 103469 MAY, D. E. Standards for dairy herd replacements. *Agr. Mktg.* 9(8):8-9. Aug. 1964. A280.38 Ag8  
Records for selection in Virginia.
- 103470 MITCHELL, R. G. What's in a bull proof? *W. Va. Agr. Expt. Sta. B.* 494:7. June 1964. 100 W52
- 103471 MOFFITT, J. E., and ABBEY, F. K. C.B.C. [Cattle Breeders' Conference]—its beginning—its intentions—its future. *Brit. Cattle Breeders' Club. Dig.* 19:13-26. 1963. 43.9 B775  
Includes discussion.
- 103472 MOLINUEVO, H. A., and LUSH, J. L. Reliability of first, second, and third records for estimating the breeding value of dairy cows. *J. Dairy Sci.* 47(8):890-893. Ref. Aug. 1964. 44.8 J822
- 103473 MURARI, V. Artificial insemination of cattle. (It) *Verona, Italy* 1(3):21-23. July 26, 1963. 287 V592
- 103474 MYAGKOV, M. G. Experiments in the control of sterility of cows. (Rus) *Veterinariya* 4:85-86. Apr. 1964. 41.8 V6426
- 103475 NAGY, GY. Observations on a seemingly infectious trouble of spermiogenesis in bulls. (Hu) *Magyar Allatorv. Lapja* 19(6):247-250. Ref. June 1964. 41.8 V644  
English summary.
- 103476 NEGRUTIU, E., and others. Considerations on the body conformation, growth and milk productivity indices of the "Rosie Daneza" breed cattle, reared in Transylvania. (Rum) *Cluj. Inst. Agron.* "Dr. Petru Groza." *Lucrari Sti.* 19:249-256. 1964. 21 C622  
P. Mecea, S. Pap, N. Farkas, N. Dusa, V. Sasu, M. Zaharescu, and G. Ghercioiu, joint authors.  
English summary.
- 103477 NEW ZEALAND ABERDEEN ANGUS CATTLE BREEDERS' ASSOCIATION. The New Zealand Aberdeen Angus herd book, vol. 56. Hastings, 1964. 374 p. 43.9 N34822
- 103478 OPPEDAL, A. Do bulls measure up? *Feedlot* 6(8):24-25, 48. Aug. 1964. 43.8 F32
- 103479 PAST, E. Cattle races in eastern and southern Europe. (Ge) *Tierarztl. Umschau* 19(7):343-346, 349-350. (Concl.) July 1, 1964. 41.8 T445
- 103480 PICKETT, B. W., and KOMAREK, R. J. Evidence for loss of lipid from bovine spermatozoa due to freezing. *J. Dairy Sci.* 47(8):905-908. Ref. Aug. 1964. 44.8 J822
- 103481 PICKETT, B. W., and others. Influence of sperm number on fertility of frozen bovine semen. *J. Dairy Sci.* 47(8):916-919. Ref. Aug. 1964. 44.8 J822  
R. C. Hall, J. J. Lucas, and E. W. Gibson, joint authors.
- 103482 POLY, J., and others. Biometric comparison between cattle breeds reared in Sardinia for meat production in industrial crossbreeding. (It) *Zootec. e Vet.* 19(3/4):65-86. Mar./Apr. 1964. 41.8 Z7  
P. Bonelli, B. Vissac, and B. Salone, joint authors.  
English summary.
- 103483 RAE, A. L. Comments on animal breeding overseas. *Ruakura Farmers' Conf. Week. Proc.* 1963:69-82. 49.9 R82  
Cattle and sheep.  
Includes discussion.
- 103484 RAMGE, J. C. Artificial insemination of beef cattle. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:34-35. 1963. 41.9 Un3
- 103485 RITTMANNSPERGER, F. Research on the breeding value of bulls used in artificial insemination with aid of a bull index. (Ge) *Bo-denkultur* 15(1):57-67. Ref. Mar. 1964. 19 B635  
English summary.
- 103486 ROBERTSON, A. Ten years of bull progeny testing and the private breeders' future in these activities. *Brit. Cattle Breeders' Club. Dig.* 19:27-37. 1963. 43.9 B775  
Includes discussion.
- 103487 ROMER, J., and STOLZMAN, M. Wyniki oceny buhajow na podstawie uzytkowosci potomstwa za lata 1960 i 1961 [Evaluation of bulls based on progeny testing in 1960 and 1961]. *Krakow. Inst. Zootech. Wydawnictwa Wlasne* 165, 79 p. 1963. 49.9 K85W  
English summary.
- 103488 SAACKE, R. G., and ALMQUIST, J. O. Ultra-structure of bovine spermatozoa. I-II. *Amer. J. Anat.* 115(1):143-183. Ref. July 1964. 447.8 Am32
- 103489 SAMVIRKENDE DANSKE LANDBO- OG HUSMANDSFORENINGER. UDVALGET FOR STAMBOGSFORING. Elitestambog over koer af rod dansk malkerace [Herdbook of cows of the Red Danish dairy breed]. XLIV. Odense, 1964. 754 p. 43.9 Sa4St
- 103490 SAMVIRKENDE DANSKE LANDBO- OG HUSMANDSFORENINGER. UDVALGET FOR STAMBOGSFORING. Elitestambog over tyre af rod dansk malkerace [Herdbook of bulls of the Red Danish dairy breed]. LXVIII. Odense, 1964. 126 p. 43.9 Sa4S
- 103491 SASVARI, Z. Problems in our cattle breeding; crossings with Jersey. (Hu) *Termeszettud. Kozlony* 8(1):14-15. Jan. 1964. 410 T272
- 103492 SEBESTYEN, G. Genetic correlations in service of purebreeding of cattle. (Hu) *Allattenyesztes* 13(2):101-108. Ref. June 1964. 49 AL57  
English summary.  
Special consideration of Hungarian Red Spotted cattle as milk producers.
- 103493 SHORTHORN SOCIETY OF THE UNITED KINGDOM OF GT. BRIT. AND IRELAND. Coates's herd book, containing the pedigrees of Beef Shorthorn cattle, volume 110. London, 1964. 75 p. 43.9 C63
- 103494 SHORTHORN WORLD. 49th herd bull number. *Shorthorn World* 49(11), 404 p., map. Aug. 15, 1964. 43.8 Sh8  
Includes articles on breeding, care, and a commercial section.
- 103495 SIMONETTA, R., and others. Possibility of application in cattle breeding of a fertility index experimented on human semen. (It) *Zootec. e Vet.* 19(3/4):56-64. Mar./Apr. 1964. 41.8 Z7  
M. Pattarelli, N. Panazzolo, G. Molinari, and U. Ninni, joint authors.  
English summary.
- 103496 SKJERVOLD, H., and BJORKOY, J. Difficulties with having cows calve in the fall through several years. (No) *Buskap og Avdratt* 16(1): 25-27. 1964. 49 B96
- 103497 SMITH, W. The private breeder's place in livestock development. *Brit. Cattle Breeders' Club. Dig.* 19:123-130. 1963. 43.9 B775  
Cattle.  
Includes discussion.
- 103498 STARR, E. A. Beef cattle improvement in Ontario. *Ontario. Dep. Agr. Ext. Br. Rep. Annu. Conf.* 1963:13-16. 7 On82
- 103499 STARTSEV. On the organization and methods for heredity value testing of breeder bulls. (Ge) *Tierzucht* 18(6):285-288. June 1964. 49 T443  
In the USSR.
- 103500 STEINBACH, J., and FOOTE, R. H. Post-thaw survival of bovine spermatozoa frozen by different methods in buffered-yolk and skimmilk extenders. *J. Dairy Sci.* 47(8):909-915. Ref. Aug. 1964. 44.8 J822
- 103501 STICHBURY, J. W. Breeding for profit. *Ruakura Farmers' Conf. Week. Proc.* 1963:235-245. 49.9 R82  
Cattle breeding, including artificial insemination.  
Includes discussion.



- 103502 STORMONT, C., MORRIS, B. G., and SUZUKI, Y. Mosaic hemoglobin types in a pair of cattle twins. *Science* 145(3632):600-601. Aug.7,1964. 470 Sci2
- 103503 STOYANOV, T. Effect of various service systems of semen production in adult bulls. (Bu) Akad. Selskstopanskite Nauk. Bulg. Inst. Zhi-votn. Izv. 17:149-156. 1963. 4.9. B8721  
English summary.
- 103504 SUCHANEK, B. Indices of the milkability of cows of the Red-Spotted breed. (Cz) Czechoslovakia. Min. Zemedel, Lesn, a Vodniho Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba 36(12):697-706. Ref. Dec.1963. 49.9 C33  
English summary.
- 103505 SYMPOSIUM: Renewable animal resources (germ plasm). Canad. Soc. Anim. Prod. Proc. 1963:72-105. Ref. 49.9 Ea72  
The importation of exotic genetic stocks, by W. Combs; Developing new breeds, by H. T. Fredeen; and Methods of maintaining gene pools, by L. J. Sumpton.  
Chiefly cattle and swine breeding, in Canada.
- 103506 TAYLOR, J. Breeding to a recessive. Brit. Cattle Breeders' Club. Dig. 19:77-79. 1963. 43.9 B775
- 103507 U. S. AGRICULTURAL RESEARCH SERV. DHIA cow performance index list, registered progeny of AI sires, February and May 1964. U. S. Agr. Res. Serv. ARS 44-146,160 p. June 1964. A49.9 R31A
- 103508 VAN DEMARK, N. L., FRITZ, G. R., and MAUGER, R. E. Effect of energy intake on reproductive performance of dairy bulls. II. Semen production and replenishment. *J. Dairy Sci.* 47(8):898-904. Ref. Aug.1964. 44.8 J822
- 103509 VARO, M. A simple method of progeny testing of bulls. (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:277-282. 1964. 64.9 F49  
English summary.
- 103510 WANG, T. H. Experience in cattle breeding. (Ch) Fu-Chien Nung Yeh Fujian Nongye 2/3:54. Feb.1963. 22.5 F958
- 103511 WATSON, C. J., and others. A suggested control gene mechanism for the excessive production of types I and III porphyrins in congenital erythropoietic porphyria. *Natl. Acad. Sci. Proc.* 52(2):478-485. Ref. Aug.1964. 500 N21P  
W. Runge, L. Taddeiini, I. Bossenmaier, and R. Cardinal, joint authors.  
Includes bovine porphyria.
- 103512 WOLDEN, T. Artificial insemination of cattle in 1963. (No) Buskap og Avdratt 16(1):29. 1964. 49 B96
- 103513 WYANT, P. Performance testing in Herefords. *Cattleman* 51(3):31-33. Aug.1964. 49 C29
- 103514 ZEILINGER, A. Protein research of the Milchwirtschaftliche Hohenversuchsstation Rotholz. (Ge) Osterr. Milchwirt. 19(10):164-165. May 21,1964. 44.8 Os72  
Protein content of the milk of various Austrian cattle breeds.
- Feeds and Feeding**
- 103515 ALLEN, A. V. How flexible is your feed plan? *Livestock Breeder J.* 7(7):76-77. July 1964. 49 L758  
Beef cattle in North Carolina.
- 103516 AL'TMAN, A. D., and BEZENKO, T. I. The effect of corn silage and sugar beets on milk composition and quality of dairy products. (Rus) Zhivotnovodstvo 3:51-53. Mar.1964. 49 Z6
- 103517 AMMERMAN, C. B., LOGGINS, P. E., and ARINGTON, L. R. Dried citrus pulp as a feed for fattening steers and lambs. *Feedstuffs* 36(32):64-65. Aug.8,1964. 286.81 F322
- 103518 ARMITT, J. Knots are not so tight in the weed taint problem. *Queensland Agr. J.* 90(7):404-409. July 1964. 23 Q33  
Weeds in pastures for dairy cattle.
- 103519 ARNOLD, B. L., and CROCKETT, S. P. Ryegrass silage compared with corn silage. *Miss. Agr. Expt. Sta. Inform. Sheet* 845,1 p. Apr. 1964. 100 M69In  
In cattle milk production.
- 103520 ATHAR, S. M., and others. Fattening of old bullocks: the effects of substitution of cottonseed cake with rapeseed (toria) oilcake as a protein supplement. *West Pakistan J. Agr. Res.* 1(4):80-96. Ref. Sept./Dec.1963. 22 W52  
N. A. Kahn, I. Ahmad, and B. H. Schneider, joint authors.
- 103521 ATTEBERY, J. T., and COLVIN, H. W. Effect of diet on fasting blood glucose levels in dairy calves 1 to 13 weeks old. *J. Appl. Physiol.* 18(6):1221-1225. Ref. Nov.1963. 447.8 J825
- 103522 BAKER, F. S. Finishing cattle in north Florida. *Fla. Agr. Expt. Sta. B.* 675,35 p. Ref. June 1964. 100 F66S
- 103523 BERGSMA, L. Factors to consider in custom feeding your cattle. *Cattleman* 51(3):39,58. Aug.1964. 49 C29
- 103524 BLAKE, C. Feeding plan for feeders. *Live-stock Breeder J.* 7(7):260,262-264. July 1964. 49 L758  
On North Carolina pastures.
- 103525 BLEGEN, O. Experiences with summer feeding at a Hedemarksgard. (No) Buskap og Avdratt 16(1):17-19. 1964. 49 B96  
Dairy cattle.
- 103526 BONELLI, P. Experimental contribution to the technic of artificial rearing of calves. (It) Studi Sassaresi. Sez. III, 10:331-345. Ref. 1962, pub.1963. 507 Sa7Sa  
Includes feed formulation and weight and measurement.
- 103527 BRIGGS, M. H., HEARD, T. W., and HOGG, M. L. Studies on urea-fed cattle. 5. Haematological results and levels of some blood enzymes. *Life Sci.* 3(7):715-718. July 1964. 442.8 L62
- 103528 BROWN, L. D., and others. Adding dried molasses to grain for lactating dairy cows. *Mich. Agr. Expt. Sta. Q. B.* 46(4):570-575. May 1964. 100 M58S  
R. S. Emery, G. N. Blank, E. J. Benne, joint authors.
- 103529 BROWNING, C. B. A comparison of irrigated ladino clover, Coastal Bermuda, and a Coastal Bermuda-ladino clover mixture for summer grazing by dairy cows. *Miss. Agr. Expt. Sta. Inform. Sheet* 834,2 p. Dec.1963. 100 M69In
- 103530 BUCHMAN, D. T., and HEMKEN, R. W. Ad libitum intake and digestibility of several alfalfa hays by cattle and sheep. *J. Dairy Sci.* 47(8):861-864. Ref. Aug.1964. 44.8 J822
- 103531 BUGDOL, G. The transition to winter feeding of dairy cattle. (Ge) Futterungsberatung 4 (sup.5):43-44. In *Tierzucht* 17(10). Oct.1963. 49 T443
- 103532 BURGESS, T. D. Research in beef cattle feeding. Ontario. Dep. Agr. Ext. Br. Rep. Annu. Conf. 1963:27-28. 7 On82
- 103533 CARRERA M., C., MUNOZ, H., and SOLARES T., L. The use of cane molasses as supplement in the feeding of cattle on Guinea grass, *Panicum maximum*. (Sp) *Tec. Pecuaria en Mex.* 1:34-37. Ref. Jan.1963. 49 T222  
English summary, p.6.
- 103534 CARRERA M., C., RODRIGUEZ R., F., and SOLARES T., L. The use of urea, molasses and corncobs in the feeding of beef calves in corrals. (Sp) *Tec. Pecuaria en Mex.* 1:15-20. Ref. Jan.1963. 49 T222  
English summary, p.4.
- 103535 CARROLL, F. D., and others. Energy utilization in heifers as affected by a low-protein isocaloric diet. *J. Anim. Sci.* 23(3):758-763. Ref. Aug.1964. 49 J82  
D. D. Nelson, H. Wolf, and G. Plange, joint authors.
- 103536 CHAPMAN, H. L., and others. Vitamins A and E in steer fattening rations on pasture. *J. Anim. Sci.* 23(3):669-673. Ref. Aug.1964. 49 J82  
R. L. Shirley, A. Z. Palmer, C. E. Haines, J. W. Carpenter, and T. J. Cunha, joint authors.

- 103537 CLARE, N. T., and STEVENSON, A. E. Measurement of feed intake by grazing cattle and sheep. X. Determination of nitrogen in faeces and feeds using an autoanalyzer. *New Zeal. J. Agr. Res.* 7(2):198-204. May 1964. 23 N4892
- 103538 CLAYTON, D. G. The feed value of colostrum. *Ruakura Farmers' Conf. Week. Proc.* 1963:256-259. 49.9 R82
- 103539 COURTHEOUX, S. Calves for raising, calves for slaughter. (Fr) *PROVIMI Inform.* 38:1-2. First Q. 1964. 389.78 P942  
Feeding, chiefly.
- 103540 CRICHTON, J. A., and PRESTON, T. R. Milk and beef production. In Cuthbertson, D. P., ed. *Progress in nutrition and allied sciences*, p.179-185. Ref. 1963. 389.7 C97P  
Cattle feeding.
- 103541 DALUM, T. P. Calves and young cattle. (Da) *Naesgaardsbogen* 1963:58-65. 104 N12N  
Feeding.
- 103542 DEDECKOVA-SALOVA, J., and MLEJNEK, J. Effect of reduced feeding level in the rearing of heifers on their productivity. (Cz) *Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba* 37(2):91-100. Ref. Feb. 1964. 49.9 C33  
German summary.
- 103543 DIJKSTRA, N. D., and FRENS, A. M. Invloed van voeding boven de zetmeelwaarde-normen op het levend gewicht en de produktie van melkkoen. Influence of feeding above the starch equivalent standards on live weight and production of dairy cows. *Wageningen. Cent. v. Landbpub. en Landbdoc. Verslagen van Landbk. Onderz.* 69(18), 79 p. 1963. 105.2 V61V  
English summary.
- 103544 DINUSSEN, W. E. How to get the most from "barley." *Feedlot* 6(8):12-14, 68. Aug. 1964. 43.8 F32  
Beef cattle.
- 103545 DVORACEK, M., and MARKOVIC, P. Milk fat substitute in calf feeding. (Cz) *Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba* 37(2):81-90. Ref. Feb. 1964. 49.9 C33  
German summary.
- 103546 FERRARA, B., MINIERI, L., and FRANCISCIS, G. DE. Preliminary research on the yield at slaughtering of buffalo calves artificially fed. (It) *Acta Med. Vet.* 9(5):293-303. Ref. Sept./Oct. 1963. 41.8 Ac84  
English summary.
- 103547 FOWLER, S. H. What kind of cattle for you? *Feedlot* 6(9):14-15. Sept. 1964. 43.8 F32
- 103548 FURR, R. D., and NELSON, A. B. Effect of level of supplemental winter feed on calf weight and on milk production of fall-calving range beef cows. *J. Anim. Sci.* 23(3):775-781. Ref. Aug. 1964. 49 J82
- 103549 GALLINA, L. Errors in dairy cattle feeding. (It) *Agr. della Spezia* 12(5):75-81. May 1964. 16 Ag8229
- 103550 GROENEWALD, J. W. Drought feeding of cattle. *Farming So. Africa* 40(4):40-41, 43. July 1964. 24 So842  
Rations.
- 103551 GUEGUEN, L. The influence of the nature of diet on the endogenous faecal loss of phosphorus by the calf. (Fr) *Ann. de Biol. Anim. Biochim. Biophys.* 3(3):243-253. 1963. 442.8 An75  
English summary.
- 103552 HAMMES, R. C., and others. Value of high-silage rations for fattening beef cattle. *J. Anim. Sci.* 23(3):795-801. Ref. Aug. 1964. 49 J82  
J. P. Fontenot, H. T. Bryant, R. E. Blaser, and R. W. Engel, joint authors.
- 103553 HARRIS, R. R., and others. Silages and supplements for growing beef calves. *Highlights Agr. Res. [Ala. Sta.]* 11(3):4. Fall 1964. 100 AL1H  
W. B. Anthony, J. K. Boseck, V. L. Brown, and E. L. Mayton, joint authors.  
Corn and sorghum.
- 103554 HIMMEL, U. The effect of temperature control in drinking water on milk volume and fat content of cows. (Ge) *Tierzucht* 18(3):133-136. Mar. 1964. 49 T443
- 103555 HOF LUND, S. Time for pasturing of calves. (Sw) *Skand. Kreatursforsakringsbol. Manadsl.* 41(5/6):48-49. 1963. 49.9 Sk1
- 103556 HOLL, C., and others. The use of feed mixtures as partial milk substitute in the rearing of calf twins up to the age of half-year. (Cz) *Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba* 37(2):69-80. Feb. 1964. 49.9 C33  
K. Kromichal, L. Opletalova, and S. Haltmar, joint authors.  
German summary.
- 103557 HOLZSCHUH, W., and MARTIN, J. Studies on supplying cattle with minerals in production areas with extensive sugar beet-lucerne culture. (Ge) *Tierzucht* 18(2):96-100. Feb. 1964. 49 T443  
In relation to deficiency diseases.
- 103558 HORTON, O. H., and DAVIS, G. V. Feeding alfalfa pellets to growing dairy heifers. *Ark. Farm Res.* 13(4):8. July/Aug. 1964. 100 Ar42F  
Winter feeding.
- 103559 HUBBARD, W. A., and NICHOLSON, H. H. Irrigated grass-legume mixtures as summer pasture for yearling steers. *Canad. J. Plant. Sci.* 44(4):332-336. Ref. July 1964. 450 C16  
Includes pasture management.
- 103560 HUSSAIN, A., and ULLAH, M. Guara grain as substitute for cottonseed cake for milch cattle. *West Pakistan J. Agr. Res.* 1(3):12-17. Ref. June 1963. 22 W52
- 103561 HUTTON, J. B. The efficiency of utilization and conversion of pasture herbage by dairy cattle, beef cattle and sheep. *New Zeal. Inst. Agr. Sci. Proc.* 9:97-110. Ref. 1963. 23 N489P  
Includes discussion.
- 103562 INNES, R. R., and MABEY, G. L. Studies on browse plants in Ghana. III. Browse/grass ingestion ratios. (?) Determination of the free-choice *Griffonia*/grass ingestion ratio for West African Shorthorn cattle on the Accra plains using the "simulated shrub" technique. *Empire J. Expt. Agr.* 32(127):180-190. July 1964. 10 Em7
- 103563 KLOSTERMAN, E. W., and others. Utilization of carotene from corn silages by steers. *J. Anim. Sci.* 23(3):723-728. Aug. 1964. 49 J82  
L. J. Johnson, A. L. Moxon, and A. P. Grifo, joint authors.
- 103564 KNABE, O., and KNABE, B. Mineral provision for cattle in silage feeding. (Ge) *Tierzucht* 18(1):34-37. Ref. Jan. 1964. 49 T443
- 103565 KOGER, M., RAINEY, R. W., and CUNHA, T. J. Results from three methods of handling and finishing steers after weaning. *Fla. Agr. Expt. Sta. Dept. Anim. Sci. Mimeo. Ser.* 63-14, 5 p. Apr. 1963. 49.9 F66
- 103566 LAINE, T., and OLLIKAINEN, A. Changes in weight of cattle during the pasture period. (Fi) *Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet.* 18:234-238. 1964. 64.9 F49  
English summary.
- 103567 LALNE, T. Feeding trials on young cattle. (Fi) *Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet.* 18:227-233. 1964. 64.9 F49  
English summary.
- 103568 LINDE, J. A. VAN DER, and others. Inspection of milk from cows fed aflatoxin-containing groundnut meal. (Du) *Tijdschr. v. Diergeneesk.* 89(15):1082-1088. Ref. Aug. 1, 1964. 41.8 T431  
A. M. Frens, H. de Jongh, and R. O. Vles, joint authors.  
English summary.
- 103569 LOMBARD, P. E., and GREEFF, H. M. Supplement veld pasturage in winter. *Farming So. Africa* 40(4):54-55. July 1964. 24 So842  
Drought feeding of cattle.
- 103570 LOPEZ R., H. Raise your calves with less milk and make money. (Sp) *Agr. Trop.* 20(1):42-45. Jan. 1964. 26 Ag8  
Feeding methods and costs, in Colombia.
- 103571 MADDEN, J. P. Computer shows profitable feeding level. *Agr. Situation [Washington]* 48(8):14. Aug. 1964. 1 Ec7Ag  
Dairy cattle feeding.



- 103572 MARTEN, G. C., and DONKER, J. D. Selective grazing induced by animal excreta. II. Investigation of a causal theory. *J. Dairy Sci.* 47(8): 871-874. Ref. Aug. 1964. 44.8 J822  
Cattle and sheep.
- 103573 MILLER, W. J., and CLIFTON, C. M. Influence of experimental design on results of palatability studies. *J. Dairy Sci.* 47(8):927-930. Aug. 1964. 44.8 J822
- 103574 MILTIMORE, J. E., and others. Ruminant mineral nutrition; the effect of copper injections on weight gains and haemoglobin levels of cattle pastured on ground-water soils in the British Columbia interior. *Canad. J. Compar. Med. & Vet. Sci.* 28(5):108-112. May 1964. 41.8 C162  
J. L. Mason, J. M. McArthur, and R. B. Carson, joint authors.
- 103575 MOHLMANN, H. The role of colostrum milk in calf rearing. (Ge) *Tierzucht* 18(4):178-180. Apr. 1964. 49 T443
- 103576 NAKLADAL, J. Observation on meat production of Schonhengst dairy cattle on a good nutritional level. (Cz) *Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba* 37(2):107-118. Ref. Feb. 1964. 49.9 C33  
German summary.
- 103577 NEGRUTIU, E., and others. The influence of the composition of the feeding rations on the breeding value and milk productivity of cows. (Rum) *Cluj. Inst. Agron. "Dr. Petru Groza"* *Lucrari Sti.* 19:219-225. 1964. 21 C622  
P. Mecea, S. Ilea, R. Chioreanu, R. Muresan, I. Rusu, V. Cimpeanu, G. Pop, A. Petre, N. Farkas, M. Zaharescu, G. Ghercioiu, and F. Onet, joint authors.  
English summary.
- 103578 NEWLAND, H. W., and DEANS, R. J. Relationship of nitrate, vitamin A and urea to feedlot performance in fattening cattle. *Mich. Agr. Expt. Sta. Q. B.* 46(4):561-569. Ref. May 1964. 100 M58S
- 103579 OLTJEN, R. R., ROBBINS, J. D., and DAVIS, R. E. Studies involving the use of glutamic acid in ruminant nutrition. *J. Anim. Sci.* 23(3): 767-770. Ref. Aug. 1964. 49 J82  
Steers.
- 103580 ORUD, I., and others. Seaweed meal supplement for dairy cattle. (No) *Tidsskr. f. det Norske Landbr.* 71(6):137-150. 1964. 11 T433  
T. Homb. K. Jonsgard, and O. Skjerven, joint authors.  
Effects on milk yield, fertility and health.
- 103581 PEREZ Y PEREZ, F. Hygiene and gestation of the cow and mare. (Sp) *Credito Rur. (ser.2)* 136:9-10. Oct. 1963. 284.28 C863  
Chiefly on nutrition.
- 103582 PIETERSE, P. J. S. Supplement the deficiencies in low-grade roughage. *Farming So. Africa* 40 (4):37,40. July 1964. 24 So842  
Chiefly cattle.
- 103583 PORZIG, E. What do we know about pasture behavior of our cattle? (Ge) *Tierzucht* 18(6): 310-311. (Cont.) June 1964. 49 T443
- 103584 RAY, M. L., and CHILD, R. D. He's doing well on broiler house litter. *Feed Bag* 40(7):46-47. July 1964. 389.78 F32  
As roughage in steer finishing rations.
- 103585 RAY, M. L. Studies of rice hulls and rice mill feed for beef animals. *Rice J.* 67(7):20-21. June 30, 1964. 59.8 R36  
In Arkansas.
- 103586 RAYMOND, W. F. Recent development in forage feeding of ruminant animals. *Brit. Cattle Breeders' Club. Dig.* 19:81-88. 1963. 43.9 B775  
Chiefly on cattle; nutritive value and digestibility.  
Includes discussion.
- 103587 ROGERS, H. T., and others. Overcome problem months of winter grazing. *Crops & Soils* 16(9):7-9,11. Aug./Sept. 1964. 6 W55  
R. E. Blaser, T. H. Rogers, C. Y. Ward, and E. C. Holt, joint authors.  
Beef cattle feeding in Southern States.
- 103588 ROOK, J. A. F. Some aspects of feeding and milk composition. *Brit. Cattle Breeders' Club. Dig.* 19:89-98. 1963. 43.9 B775  
Includes discussion.
- 103589 SAFAROV, I. D. The effect of petroleum as growth substance on milk production of cows. (Rus) *Zhivotnovodstvo* 3:20,86. Mar. 1964. 49 Z6
- 103590 SALMINEN, M. Experiences with and observations on the feeding of young cattle with forage plants. (Fi) *Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet.* 18:262-269. 1964. 64.9 F49  
German summary.
- 103591 SAUE, O. Supplementary feeding—also during pasturing. (No) *Buskap og Avdratt* 16(1):13-15. 1964. 49 B96  
Dairy cattle.
- 103592 SCHMUTZ, W. G., and others. Chemistry and nutritive value of ensiled high moisture ground ear corn. *Mich. Agr. Expt. Sta. Q. B.* 46(4): 576-588. Ref. May 1964. 100 M58S  
R. S. Emery, E. J. Benne, and D. Carpenter, joint authors.
- 103593 SCHONER, C. Bovine palate tickled in almond feed testing trials. *Almond Facts* 29(4):7. July/Aug. 1964. 280.28 AL62  
Hulls and shells in dairy cattle feeding.
- 103594 SMITH, G. S., and others. Relationships of carotene intake, thyro-active substances and soil fertility to vitamin A depletion of feeder cattle fed corn silages. *J. Anim. Sci.* 23(3): 625-632. Ref. Aug. 1964. 49 J82  
W. M. Durble, J. E. Zimmerman, and A. L. Neumann, joint authors.
- 103595 SONDBO, H. K. Less hay—more silage. (No) *Landslaget Telemarkfe. Telemarkfeet.* 1963: 21-22. 43.9 L23  
Dairy cattle feeding.
- 103596 SOULE, R. P. Calf nutrition studies reported at American Dairy Science Meeting. *Feedstuffs* 36(30):12-13. July 25, 1964. 286.81 F322  
Summaries of papers.
- 103597 STUBBS, W., ARBUCKLE, J., and ALEXANDER, G. I. Crop fattening at Eulogie. *Queensland Agr. J.* 90(7):424-429. July 1964. 23 Q33  
Beef cattle on range.
- 103598 SWANSON, E. R. Forage—what is it worth? *Livestock Breeder J.* 7(7):168,170,172, map. July 1964. 49 L758  
Beef cattle feeding.
- 103599 TANGL, H., and ADAM, T. Effect of feeding of Oxytetracycline on building up of the calves' intestine. (Hu) *Allattenyesztes* 13(2):171-176. June 1964. 49 AL57
- 103600 TODOROV, D., and others. Total replacement of hay and root crops with silage in dairy cow rations. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Zhivotn. Izv.* 17:29-47. Ref. 1963. 49.9 B8721  
I. Lazarov, V. Lazarov, and Ya. Shalichev, joint authors.  
German summary.
- 103601 TWIEHAUS, M. J., and ANTHONY, H. D. Feeding trials to control bovine-carrier anaplasmosis. *Vet. Med.* 58(7):596. July 1963. 41.8 M69  
With aureomycin.
- 103602 UVERUD, H. Summer feeding at Apelsvoll. (No) *Buskap og Avdratt* 16(1):16-17. 1964. 49 B96  
Dairy cattle.
- 103603 VALADEZ, S., and RAUN, N. S. A comparison of cotton seed oil meal and safflower seed oil meal and urea as sources of protein for fattening native cattle. (Sp) *Tec. Pecuaría en Mex.* 1:13-14. Jan. 1963. 49 T222  
English summary, p.4.  
Cost per kilo of gain.
- 103604 VALADEZ, S., and RAUN, N. S. A comparison of cotton seed oil meal with safflower seed oil meal and urea in rations containing high levels of sugarcane for fattening native cattle. (Sp) *Tec. Pecuaría en Mex.* 1:47-49. Jan. 1963. 49 T222  
English summary, p.6.  
Cost per kilo of gain.

- 103605 WEILAND, G., PIESCHEL, H., and LITWIN, E. Possibilities for performance feeding of dairy cattle by grazing. (Ge) Tierzucht 18(4):203-205. Apr.1964. 49 T443
- 103606 WHITE, T. W. Beef cattle feeding. Rice J. 67(7):42. June 30,1964. 59.8 R36  
Rice as feed.
- 103607 WIDTOFT, B. Mineral supply for cattle. (Sw) Varmlands Lans Hushallsk. Arsberat. 1963: 151-155. 11 V43
- 103608 WRENN, T. R., and others. Histamine excretion of cattle fed various rations. J. Dairy Sci. 47(8):882-884. Ref. Aug.1964. 44.8 J822  
J. Bitman, H. C. Cecil, and M. L. Mench, joint authors.
- Veterinary Medicine
- 103609 ABRAMSON, J. Hypocalcemia in a Hereford. Vet. Med./Small Anim. Clin. 59(3):323. Mar. 1964. 41.8 M69  
Milk fever, unusual in beef cows.
- 103610 AGRESTI, A., and MASTRANGELO, P. A case of lymphatic leukosis of calf in a subacute stage. (It) Acta Med. Vet. 9(3/4):159-174. Ref. May/Aug.1963. 41.8 Ac84  
English summary.
- 103611 AHRENS, R. A., and LUICK, J. R. In vivo synthesis of certain low molecular weight milk fatty acids. J. Dairy Sci. 47(8):849-854. Ref. Aug.1964. 44.8 J822
- 103612 AKERBLUM, E. Care of hoofs. (Sw) Skand. Kreatursforsakringsbol. Manadsbl. 41(5/6):57-58. 1963. 49.9 Sk1  
Cattle.
- 103613 ALBERT, T. F., and RAMEY, D. B. Abomasal displacement associated with ingestion of gasoline. Amer. Vet. Med. Assoc. J. 145(5):460-461. Sept.1,1964. 41.8 Am3  
In a heifer.
- 103614 ANDREANI, E. The behaviour of the agglutinins in male calves vaccinated with strain B19. (It) Pisa. U. degli Studi. Facol. di Med. Vet. Ann. 16:233-237. Ref. 1963, pub.1964. 41.9 P67  
English summary.
- 103615 ARIFDZHANOV, K. A. Extraction from the cattle blood of agent of francielliosis in mixed invasion with piroplasmiosis. (Rus) Veterinariya 4:111. Apr.1964. 41.8 V6426
- 103616 ARTHUR, G. H. Ovariectomy of cattle. Vet. Rev. 15(1):3-5. Sept.1963. 41.8 V6466
- 103617 ARZUMANYAN, E. A., and LEGOSHIN, G. P. Secretory activity of parts of cow's udder. (Rus) Zhivotnovodstvo 3:84-86. Mar.1964. 49 Z6  
Includes lactation.
- 103618 ASBURY, A. C., and RHODE, E. A. Nitrite intoxication in cattle: the effects of lethal doses of nitrite on blood pressure. Amer. J. Vet. Res. 25(107):1010-1013. July 1964. 41.8 Am3A
- 103619 ASSO, J., and others. Simultaneous multiplication of two modified foot-and-mouth disease virus strains in bovines. (Fr) Inst. Pasteur. Ann. 106(2):168-184. Ref. Feb.1964. 448.3 An75  
A. Paraf, J. Verge, L. Dhennin, L. Dhennin, and H. Tapiero, joint authors.  
English summary.
- 103620 BABAK, I. M. Osteoarthritis of calves. (Rus) Veterinariya 4:66-67. Apr.1964. 41.8 V6426
- 103621 BALCONI, I. R., and BRESSANI, R. Gastrointestinal parasites of adult slaughter cattle in Guatemala. Amer. J. Vet. Res. 25(107):1080-1084. Ref. July 1964. 41.8 Am3A  
Helminths and coccidia.
- 103622 BARONTI, V. Structural pictures of "vena cava caudalis" of Bos taurus. (It) Pisa. U. degli Studi. Facol. di Med. Vet. Ann. 16:382-395. Ref. 1963, pub.1964. 41.9 P67  
English summary.
- 103623 BEDELL, D. M. Recent observations on the biologic nature of Anaplasma marginale. Natl. Anaplasmosis Conf. Proc., 4th Conf.:13-15. 1962. A41.9 C76
- 103624 BEKEDAM, M. Body measurements, exterior and milk production. (Du) Veeteelt en Zuivelber. 7(2):64-83. Feb.1964. 49 V51  
Cattle.
- 103625 BELCHEV, D., and others. Contribution to the study of gastro-intestinal diseases in calves and their treatment. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 7:137-144. Ref. 1963. 41.9 So2  
A. Petrov, P. Semov, and D. Yanev, joint authors.  
English summary.
- 103626 BENAZZI, P. Systematic prophylaxis of cattle tuberculosis in Belgium. (It) Vet. Ital. 15(3/4):236-251. Mar./Apr.1964. 41.8 C87
- 103627 BIRZA, H., and others. New data and observations on some of the cecal diseases of cattle. (Rum) Rev. de Zooteh. si Med. Vet. 13(12):49-53. Ref. Dec.1963. 49 P943  
E. Poll, C. Aureliu, I. Moraru, and N. Marinescu, joint authors.
- 103628 BISPING, W., REFAI, M., and TRAUTWEIN, G. Candida parapsilosis a cause of bovine abortion. (Ge) Berlin. u. Munch. Tierarztl. Wchnschr. 77(13):260-262. Ref. July 1,1964. 41.8 B45  
English summary.
- 103629 BJORKMAN, N., and THORSELL, W. On the fine structure and resorptive function of the cuticle of the liver fluke, Fasciola hepatica L. Expt. Cell Res. 33(1/2):319-329. Ref. Jan. 1964. 442.8 Ex7  
In cattle.
- 103630 BLOBEL, H., and KATSUBE, Y. Effects of experimentally induced leukocytosis in bovine mammary glands upon infections with Staphylococcus aureus, Streptococcus agalactiae, and Aerobacter aerogenes. Amer. J. Vet. Res. 25(107):1085-1089. Ref. July 1964. 41.8 Am3A
- 103631 BLUNSCHI, J. E. Intussusception in a pregnant cow. Vet. Med./Small Anim. Clin. 59(6):584. June 1964. 41.8 M69
- 103632 BOGEL, K., ENDERS-RUCKLE, G., and PROVOST, A. A rapid serological reaction of the measure of antibovine antibodies. (Fr) Acad. des Sci. Compt. Rend. 259(2):482-484. July 15, 1964. 505 P21
- 103633 BOGEL, K. The usefulness of the disk test for diagnostics in "mucosal disease." (Ge) Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. I, Orig. 193(1):34-39. Ref. June 1964. 448.3 C33  
English summary.
- 103634 BONO, G. DEL. Traumatic tongue ulceration in cattle. (It) Pisa. U. degli Studi. Facol. di Med. Vet. Ann. 16:282-308. Ref. 1963, pub. 1964. 41.9 P67  
English summary.
- 103635 BORYSKO, E. Thin sectioning of tissues for electron microscopy without the use of embedding materials. Microscope 14(1):7-13. July/Aug.1963. 440.8 M584  
Beef leg tendon.
- 103636 BOTES, H. J. W. Proteus mirabilis as a cause of disease in calves. So. African Vet. Med. Assoc. J. 35(2):187-191. Ref. June 1964. 41.8 So8
- 103637 BOTTS, R. P., and KINTNER, L. D. Anomalous origin of the coronary arteries in two calves. Canad. J. Compar. Med. & Vet. Sci. 28(7):169-175. Ref. July 1964. 41.8 C162
- 103638 BOWER, D., and WEBB, R. Successful repair of a double fracture in a calf. Vet. Med. 58(8):651-654. Aug.1963. 41.8 M69
- 103639 BRETEANU, E., and others. Epizootological and therapeutical remarks concerning the cattle dictyocaulosis in the Maramures district. (Rum) Rev. de Zooteh. si Med. Vet. 14(2):76-79. Feb.1964. 49 P943  
O. Popa, C. Visan, S. Dan, P. Groza, and A. Moghioros, joint authors.  
English summary.
- 103640 BROCK, W. E. Anaplasmosis—an up-to-date look at transmission, diagnosis, and immunization. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:258-261. Ref. 1963. 41.9 Un3



- 103641 BROCK, W. E. Recent research on the characteristics of the etiologic agent of anaplasmosis. Natl. Anaplasmosis Conf. Proc., 4th Conf.: 11-13. Ref. 1962. A41.9 C76
- 103642 BROOKBANKS, E. O. Bovine mastitis control. Ruakura Farmers' Conf. Week. Proc. 1963:246-255. 49.9 R82  
Includes discussion.
- 103643 BROOKES, A. J. Beef recording in practice. Brit. Cattle Breeders' Club. Dig. 19:107-116. 1963. 43.9 B775  
Weight records.  
Includes discussion.
- 103644 DOTTA, U., BALBO, T., and GUARDA, F. Enzootic myodystrophy of calves. (It) Veterinaria [Milano] 13(2):121-135. (Cont.) Mar./Apr.1964. 41.8 V6499
- 103645 BROWN, C. J., and FRANKS, L. Factors affecting size of young beef cows. J. Anim. Sci. 23(3):665-668. Aug.1964. 49 J82  
Age and breed.
- 103646 BRUEL, W. E. VAN DEN, and MOENS, R. The possibility of using calcium cyanamide for the control of bovine distomatosis by the destruction of *Limnaea truncatula* Muller, intermediary host of *Fasciola hepatica* L. (Fr) Parasitica 20(2):41-70. 1964. 464.8 P21  
English summary.
- 103647 BRYNER, J. H., O'BERRY, P. J., and FRANK, A. H. *Vibrio* infection of the digestive organs of cattle. Amer. J. Vet. Res. 25(107):1048-1050. Ref. July 1964. 41.8 Am3A
- 103648 BURKI, F. Parainfluenza-3-virus infection in a stand of calves. (Ge) Path. et Microbiol. 26(5):717-726. Ref. 1963. 448.8 Sch9  
English summary.
- 103649 CAIRNEY, I. M., and others. Grass staggers in beef cattle; results of survey of disease in Hawke's Bay. New Zeal. J. Agr. 109(1):45,47, 49,51,53,55-56, map. July 15,1964. 23 N48J  
K. J. McNaught, W. M. H. Saunders, A. J. Metson, and L. J. Pohlen, joint authors.  
Especially magnesium levels in pastures.
- 103650 CAIRNS, G. C., and GALLAGHER, R. M. The effect of drenching with Thiabendazole and Montrel on weight gains in cattle. New Zeal. Vet. J. 12(2):26-28. Apr.1964. 41.8 N483
- 103651 CAMPBELL, M. R., and others. The treatment of calf scours with pregastric esterase. Vet. Med./Small Anim. Clin. 59(6):610-612. Ref. June 1964. 41.8 M69  
J. H. Nelson, W. B. House, and V. English, joint authors.
- 103652 CAMPBELL, S. G., and NORCROSS, N. L. Antibodies against *Streptococcus agalactiae* in the colostrum of first-calf heifers. Amer. J. Vet. Res. 25(107):993-997. July 1964. 41.8 Am3A
- 103653 CARESANA, D. Clinical gynecological therapy as a limiting factor in some injuries following breeding infection in cattle. (It) Nuovo Prog. Vet. 19(11):500,502. June 15,1964. 41.8 P942
- 103654 CASARI, L. Mycotic abortion in a cattle. (It) Veterinaria [Milano] 13(2):114-116. Mar./Apr. 1964. 41.8 V6499  
English summary.
- 103655 CECCARELLI, A., AGRIMI, P., and FABIANI, A. Studies of staphylococcal mastitis of cattle. II. (It) Zooprofilassi 19(4):169-194. Ref. Apr. 1964. 41.8 Z72  
English summary, p.228.  
Vaccination.
- 103656 CECH, Z., NEMECEK, L., and PAVLICA, J. Contribution to the operative treatment of abomasum dilation and leftside dislocation of abomasum in cattle. (Cz) Veterinarstvi 14(6):279-280. June 1964. 41.8 V6439
- 103657 CHEPUROV, K. P., and KAL'CHENKO, M. M. Bacteriological diagnosis of *Diplococcus septicaemia* of calves. (Rus) Veterinariya 4:104. Apr.1964. 41.8 V6426
- 103658 CHRISTENSEN, J. F. Factors complicating the control of bovine anaplasmosis in California. Natl. Anaplasmosis Conf. Proc., 4th Conf.:82-84. Ref. 1962. A41.9 C76
- 103659 CHRISTIANSEN, M. J. On the practical control of clinical paratuberculosis; impressions from a study trip to England and Holland. (Da) Danske Dyrlegefor. Medlemsbl. 47(16):878-908. Aug.15,1964. 41.9 D23  
Cattle immunization.
- 103660 CLARKSON, M. J. The species of *Onchocerca* in cattle in Kenya and Somalia. Ann. Trop. Med. & Parasitol. 58(2):153-158, map. Ref. June 1964. 448.9 L75A
- 103661 COMBERG, G., BAUDITZ, I., and MUNSTER, W. The form of the anterior udder-half under the aspect of the use of milking machines and labour economy. (Ge) Zuchtungskunde 36(4): 145-158. Ref. May 1964. 49 Z8  
English summary.
- 103662 CONSTANTINESCU, C. The accurate determination of body weight of cattle at different stages of growth and development. (Rum) Rev. de Zooteh. si Med. Vet. 14(2):89-91. Feb.1964. 49 P943
- 103663 CORREA, W. M. Prophylaxis of vesicular stomatitis: a field trial in Guatemalan dairy cattle. Amer. J. Vet. Res. 25(107):1300-1302. Ref. July 1964. 41.8 Am3A
- 103664 CORTICELLI, B., and LAI, M. Diagnosis of the infestation type in gastrointestinal strongylosis of cattle in Sardinia by differentiation of the infective larvae. Vet. Ital. 15(3/4):214-245. Ref. on p.213. Mar./Apr.1964. 41.8 C87  
Text also in Italian, p.190-213.
- 103665 CORTICELLI, B., and LAI, M. Research on technique for larval culture of gastrointestinal strongyles of cattle. (It) Acta Med. Vet. 9(5): 347-357. Sept./Oct.1963. 41.8 Ac84  
English summary.
- 103666 DALE, R. N. The surgical repair of traumatic injuries of the bovine teat. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:60-62. 1963. 41.9 Un3
- 103667 DIJKSTRA, J. M. Development of height measurements of registered cattle in the Netherlands. (Du) Veeteelt en Zuivelber. 7(2):84-92. Feb.1964. 49 V51
- 103668 DIMOPOULLOS, G. T. Biochemical, immunochemical, and biophysical studies in anaplasmosis. Natl. Anaplasmosis Conf. Proc., 4th Conf.:29-32. 1962. A41.9 C76
- 103669 DIRKSEN, G. A simple method for pharyngoscopy and laryngoscopy in cattle. (Ge) Deut. Tierarztl. Wchnschr. 69(20):592-593. Oct.15, 1962. 41.8 D482  
English summary.
- 103670 DITCHFIELD, J., and DOANE, F. W. The properties and classification of bovine viral diarrhoea virus. Canad. J. Compar. Med. & Vet. Sci. 28(6):148-152. Ref. June 1964. 41.8 C162
- 103671 DOLLAHITE, J. W. Management of the disease produced in cattle on an unbalanced diet of mesquite beans. Tex. Agr. Expt. Sta. Prog. Rpt. 2314,6 p., map. June 10,1964. 100 T31P  
Through transfer of rumen contents.
- 103672 DZIUK, H. E., and USENIK, E. A. Intestinal intussusception in a cow. Amer. Vet. Med. Assoc. J. 145(4):348-351. Aug.15,1964. 41.8 Am3
- 103673 EDGAR, D. G., and CLAYTON, D. G. Detecting oestrus in the dairy cow. Ruakura Farmers' Conf. Week. Proc. 1963:260-261. 49.9 R82
- 103674 EGYED, M. A further note on parturient paresis of cattle. Refuah Vet. 20(4):232-231. Dec. 1963. 41.8 R25
- 103675 EKESBO, I. Animal health and modern barns. (Sw) Svensk Valltidskr. 3(1):7-11. 1964. 60.8 Sv22  
Cattle.
- 103676 EMERY, R. S., and WILLIAMS, J. A. Incidence of ketosis, other diseases, and some postpartum reproductive ailments in normal and triiodothyronine-treated cows. J. Dairy Sci. 47 (8):879-881. Aug.1964. 44.8 J822
- 103677 ENGAN-SKEI, I. Where do the mastitis bacteria come from? (No) Buskap og Avdratt 16(1): 22-23. 1964. 49 B96  
Transmission from sick cows.

- 103678 ERASMUS, J. M. Keep your animals healthy while feeding them. *Farming So. Africa* 40(4): 53-54. July 1964. 24 So842  
Cattle.
- 103679 ESPANA, C., and ESPANA, E. M. Further studies on the morphology of *Anaplasma marginale* with phase contrast and light microscopy. *Natl. Anaplasmosis Conf. Proc.*, 4th Conf.: 17-21. Ref. 1962. A41.9 C76
- 103680 ESPANA, C. Studies on the complement fixation test in the diagnosis of asymptomatic carriers of bovine anaplasmosis. (Sp) *Tec. Pecuaria en Mex.* 1:42-46. Ref. Jan.1963. 49 T222  
English summary, p.6.
- 103681 EUBANK, N. H. Toxaphene intoxication from home treatment. *Vet. Med./Small Anim. Clin.* 59(6):584. June 1964. 41.8 M69  
Cattle.
- 103682 EVERITT, G. C., and JURY, K. E. Implantation of oestrogenic hormones in beef cattle. IV. Effects of oestradiol benzoate plus progesterone on carcass composition and a comparison of methods of carcass evaluation. *New Zeal. J. Agr. Res.* 7(2):158-173. Ref. May 1964. 23 N4892
- 103683 FACCINCANI, F., and CASARI, L. Anatomical-clinical observations on a swelling in the inter-mandibular region of cattle. (It) *Clin. Vet.* 87(7):197-200. July 1964. 41.8 C61
- 103684 FARRIES, F. E., and OSLAGE, H. J. Contributions to the metabolism of cattle during pregnancy and lactation. I. (Ge) *Landbforsch. Volkenrode* 13(1):29-34. Ref. Sept.1963. 18 L2353  
English summary.
- 103685 FERNELIUS, A. L. Noncytopathogenic bovine viral diarrhea viruses detected and titrated by immunofluorescence. *Canad. J. Compar. Med. & Vet. Sci.* 28(5):121-126. Ref. May 1964. 41.8 C162
- 103686 FERRIS, J., and others. Infectious bovine rhinotracheitis in New York dairy cattle. *Cornell Vet.* 54(3):319-324. July 1964. 41.8 C81  
R. Batchelder, R. Kahrs, and D. Pritchard, joint authors.
- 103687 FEY, H., and others. Contributions to the pathogenesis of coliseptis in calves. IV. (Ge) *Deut. Tierarztl. Wchnschr.* 69(20):581-586. Oct.15,1962. 41.8 D482  
E. Lanz, A. Margadant, and J. Nicolet, joint authors.  
English summary.
- 103688 FLORES, V. C. Acute hemorrhagic septicemia in carabao and horse. *Vet. Med./Small Anim. Clin.* 59(3):322. Mar.1964. 41.8 M69
- 103689 FOLEY, R. C., and others. Ovarian and luteal tissue weights in relation to age, breed, and live weight in non-pregnant and pregnant heifers and cows with normal reproductive histories. *J. Anim. Sci.* 23(3):752-757. Ref. Aug. 1964. 49 J82  
D. L. Black, W. G. Black, R. A. Damon, and G. R. Howe, joint authors.
- 103690 FONTANA, G. Lipomatous muscular dystrophy of cattle. (It) *Pisa. U. degli Studi. Facol. di Med. Vet. Ann.* 16:267-281. Ref. 1963, pub. 1964. 41.9 P67  
English summary.
- 103691 FOOTE, L. E., HANSARD, S. L., and PARKER, J. Radioiron and erythropoietic-marrow studies of young calves administered serial doses of filtered serums from *Anaplasma* infected calves. *Natl. Anaplasmosis Conf. Proc.*, 4th Conf.:33-38. Ref. 1962. A41.9 C76
- 103692 FRANKLIN, T. E., and HUFF, J. W. A rapid complement fixation screening procedure for anaplasmosis testing. *Amer. J. Vet. Res.* 25(107):1321-1322. July 1964. 41.8 Am3A
- 103693 FRANKLIN, T. E., HECK, F. C., and HUFF, J. W. Recent findings in anaplasmosis CF [complement fixation] antigen production. *Natl. Anaplasmosis Conf. Proc.*, 4th Conf.:61-62. 1962. A41.9 C76
- 103694 FRANKLIN, T. E., HECK, F. C., and HUFF, J. W. A review of the treatment of anaplasmosis. *Natl. Anaplasmosis Conf. Proc.*, 4th Conf.: 50-53. Ref. 1962. A41.9 C76  
Literature review.
- 103695 FRIESLAND. GEZONDHEIDSDIENST VOOR VEE. Mededelingen; 43e jaarverslag, mei 1, 1961-april 30, 1962 [Communications; 43d annual report, May 1, 1961-April 30, 1962]. n.p., 1962. 95 p. 41.9 F91
- 103696 GAILIUNAS, P., and COTTRAL, G. E. The occurrence and survival of foot-and-mouth disease virus in bovine synovial fluid. *Off. Internatl. des Epiz. B.* 61(1/2):1-14. Ref. Jan./Feb. 1964. 41.8 Of2
- 103697 GAILIUNAS, P., COTTRAL, G. E., and SEIBOLD, H. R. Teat lesions in heifers experimentally infected with foot-and-mouth disease virus. *Amer. J. Vet. Res.* 25(107):1062-1069. Ref. July 1964. 41.8 Am3A
- 103698 GAINER, J. H. Demonstration of *Anaplasma marginale* with acridine orange. *Natl. Anaplasmosis Conf. Proc.*, 4th Conf.:69-70. 1962. A41.9 C76
- 103699 GAINULLIN, T. R. Raising healthy calves from cows infected with paratuberculosis. (Rus) *Veterinariya* 4:39. Apr.1964. 41.8 V6426
- 103700 GATES, D. W., and RITCHIE, A. E. Forms of *Anaplasma marginale* Theileri as observed by electron microscopy. *Natl. Anaplasmosis Conf. Proc.*, 4th Conf.:22-24. 1962. A41.9 C76
- 103701 GENNI, B. On some effect registered in cattle and sheep following the administration of sodium chloride water. (It) *Pisa. U. degli Studi. Facol. di Med. Vet. Ann.* 16:61-75. Ref. 1963, pub.1964. 41.9 P67  
English summary.
- 103702 GEORG, L. K., ROBERTSTAD, G. W., and BRINKMAN, S. A. Identification of species of *Actinomyces*. *J. Bact.* 88(2):477-490. Ref. Aug.1964. 44.8 J82  
Includes spp. from cattle affected with lumpy jaw.
- 103703 GERVECK, G. Cysticercosis of cattle—is a still unsolved problem in veterinary meat studies? (Ge) *Tierarztl. Umschau* 19(7):340,343. July 1,1964. 41.8 T445  
Caused by *Cysticercus inermis*.
- 103704 GIBBONS, W. J., and KIESEL, G. K. Antibiotic uterine infusion to aid fertility. *Cornell Vet.* 54(3):382-393. July 1964. 41.8 C81  
A terramycin preparation used on cows.
- 103705 GILMORE, L. O., FECHHEIMER, N. S., and HERSCHLER, M. S. Lumpy jaw is highly heritable. *Canad. Cattlemen* 27(8):27. Aug.1964. 49 C16
- 103706 GODFREY, D. G., LEACH, T. M., and KILLICK-KENDRICK, R. Bovine trypanosomiasis in Nigeria. III. A high incidence in a group of West African humpless cattle. *Ann. Trop. Med. & Parasitol.* 58(2):204-215. Ref. June 1964. 44.8 L75A  
N'Dama and Nigerian Shorthorn cattle.
- 103707 GOETZ, E. P. Cyanide creek. *Norden News* 39(1):20-21. Mar.1964. 41.8 N75  
Concerns effect of polluted water on cattle.
- 103708 GORISEK, J., SERTIC, V., and ZDELAR, F. Serum lability reactions and serum protein composition in different diseases of cattle (a rapid method for the determination of gamma-globulin in bovine serum). (Ge) *Deut. Tierarztl. Wchnschr.* 71(12):313-320. Ref. June 15, 1964. 41.8 D482  
English summary.
- 103709 GRAY, G. R. Lead poisoning affects cow and calf. *Vet. Med./Small Anim. Clin.* 59(3):324. Mar.1964. 41.8 M69
- 103710 GT. BRIT. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Diseases of cattle. *Gt. Brit. Min. Agr. Fisheries & Food. B.* 169, rev., 78 p. 1964. 10 G794B
- 103711 GRIGELOVA, R. Experiences with some methods of *Mycobacterium bovis* identification. (Cz) *Ceskoslov. Epidemiol. Mikrobiol. Imunol.* 13(1):28-34. Ref. Jan.1964. 44.8 C332  
English summary.
- 103712 GROBOV, O. F. Eperythrozoonosis of cattle. (Rus) *Veterinariya* 4:53-55. Apr.1964. 41.8 V6426



- 103713 GUNHOLD, P. Grass tetany of cattle; its origin, prevention, and control. (Ge) Forderungsdienst 12(5):155-160. Ref. May 1964. 19 F75
- 103714 GURCHIANI, K. R. Study of dictyocaulosis of buffaloes under conditions of Georgian SSR. (Rus) Akad. Nauk Gruzinskoi SSR. Soobshcheniya 34(1):167-174. Apr. 1964. 511 Ak146
- 103715 GUTEKUNST, D. E., and MALMQUIST, W. A. Complement-fixing and neutralizing antibody response to bovine viral diarrhea and hog cholera antigens. Canad. J. Compar. Med. & Vet. Sci. 28(1):19-23. Ref. Jan. 1964. 41.8 C162
- 103716 HAFEZ, E. S. E., and others. Problems of gonadotropin-induced multiple pregnancy in beef cattle. Amer. J. Vet. Res. 25(107):1074-1079. Ref. July 1964. 41.8 Am3A  
E. Rajakoski, P. B. Anderson, O. L. Frost, and G. Smith, joint authors.
- 103717 HAFS, H. D., and BOYD, L. J. These are the "big 4" diseases of reproduction—vibrio, trich, lept, and brucellosis. Hoard's Dairyman 109(14):784-785. July 15, 1964. 44.8 H65
- 103718 HAMMER, K. R. Myocardium fibrosis in cattle. (Da) Nord. Vetmed. 16(5):439-446. May 1964. 41.8 N813  
English summary.
- 103719 HAYES, B. W., LITTLE, C. O., and MITCHELL, G. E. Influence of ruminal, abomasal and intestinal fistulation on digestion in steers. J. Anim. Sci. 23(3):764-766. Ref. Aug. 1964. 49 J82
- 103720 HECK, F. C., FRANKLIN, T. E., and HUFF, J. W. Study on the complement-fixation test for Anaplasma antibodies. Natl. Anaplasmosis Conf. Proc., 4th Conf.:57-60. 1962. A41.9 C76
- 103721 HEIDRICH, H. J., FIEBIGER, E., and UTPOTT, J. Research into bovine pyogenes mastitis with special reference to ferment therapy. 1. General findings. (Ge) Berlin. u. Munch. Tierarztl. Wchnschr. 77(12):234-236. June 15, 1964. 41.8 B45  
English summary.  
Antibiotic and sulfomide therapy, chiefly.
- 103722 HENSCHEN, A., and BLOMBACK, B. Amino acid composition of human and bovine fibrinogen and fibrin. Arkiv f. Kemi 22(3/4):347-354. Ref. 1964. 385 Ar4
- 103723 HENSCHEN, A. Number and reactivity of disulfide bonds in fibrinogen and fibrin. Arkiv f. Kemi 22(3/4):355-373. Ref. 1964. 385 Ar4  
Bovine.
- 103724 HERLICH, H. Efficacy of thiabendazole as an anthelmintic in cattle and sheep. Vet. Med. 58(11):874,881-882. Nov. 1963. 41.8 M69
- 103725 HERRICK, J. B. Clinical use of hormones in reproductive problems. Vet. Med. 58(12):953-955. Dec. 1963. 41.8 M69  
Control of estrus cycle in cattle.
- 103726 HERRICK, J. B. Keep feeder cattle healthy. Iowa Farm Sci. 19(2):3-5. Aug. 1964. 275.28 Io94
- 103727 HIBBITT, K. G. Experiments on the induction of a ketosis in the dairy cow. Vet. Rec. 76(26):738-739. June 27, 1964. 41.8 V641
- 103728 HLADKY, J. Udder and teat measurements of cows in the foot-hill region and some of their relation to milk production. (Cz) Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba 37(1):11-20. Ref. Jan. 1964. 49.9 C33  
German summary.
- 103729 HOERLEIN, A. B. Research on shipping fever. Calif. Vet. 18(4):15-19, 22. Ref. July/Aug. 1964. 41.8 C12
- 103730 HOLM, W. Untersuchungen uber hormoninduzierte Ovulationen von zwei und drei Eizellen beim Rind [Studies on hormone induced ovulations of cattle with two and three ova]. Max-Planck-Inst. f. Tierzucht u. Tierernahr. Schriften. 16, 60 p. Ref. 1963. 49.9 M45
- 103731 HOWE, G. R., and others. Histological characteristics of the pituitary glands and reproductive tracts of normal and hormone-treated prepuberal heifer calves. J. Anim. Sci. 23(3):613-620. Ref. Aug. 1964. 49 J82  
R. C. Foley, D. L. Black, and W. G. Black, joint authors.
- 103732 HOYT, H. H. Report of incidence of anaplasmosis in Minnesota. Natl. Anaplasmosis Conf. Proc., 4th Conf.:8-10. 1962. A41.9 C76  
Includes discussion.
- 103733 HUBER, W. G., and SMITH, G. S. Field aids in the diagnosis of bovine vitamin A deficiency. Vet. Med. 58(11):875-880. Nov. 1963. 41.8 M69
- 103734 HUDSON, J. R. The present incidence and distribution of contagious bovine pleuropneumonia in Australia. Off. Internatl. des Epiz. B. 61(1/2):37-49, map. Jan./Feb. 1964. 41.8 Of2
- 103735 HUSTON, K., and others. Successive preterminal gestation cesarean sections in the cow: reproductive phenomena and an evaluation of the technique. Amer. J. Vet. Res. 25(107):1032-1039. July 1964. 41.8 Am3A  
J. L. Noordsy, S. T. Smith, F. H. Oberst, and E. P. Call, joint authors.
- 103736 HYLDGARD-JENSEN, C. Nutritive substrate for rumen indigestion. (Da) Danske Dyrlaegefor. Medlemsbl. 47(14):730-732. July 15, 1964. 41.9 D23  
Provion for cattle.
- 103737 ILLES, A. Data on the discontinuance of damaging sucking of cattle. (Hu) Allattenyesztes 13(1):17-24. Mar. 1964. 49 AL57  
English summary.  
Restraint as protective measure.
- 103738 INABA, Y., and others. Parainfluenza 3 virus isolated from Japanese cattle. I. Jap. J. Expt. Med. 33(5):313-329. Ref. Oct. 1963. 44.8 J272  
T. Omori, M. Kono, and M. Matsumoto, joint authors.
- 103739 ISSHIKI, O. Studies on bovine onchocerciasis in Korea. I. (Ja) Jap. J. Vet. Sci. 25(6):375-385, map. Ref. Dec. 1963. 41.8 J27  
English summary.
- 103740 JANSEN, J. The therapy of lungworm disease in cattle. (Du) Tijdschr. v. Diergeneesk. 89(15):1072-1077. Ref. Aug. 1, 1964. 41.8 T431  
English summary.  
Review.
- 103741 JENSEN, E. A., and HAMMOND, D. M. A morphological study of trichomonads and related flagellates from the bovine digestive tract. J. Protozool. 11(3):386-394. Ref. Aug. 1964. 439.8 J82
- 103742 JENSEN, J. C., and SONNICHSEN, H. V. Restraint of hind leg in cattle. (Da) Nord. Vetmed. 16(5):487-489. May 1964. 41.8 N813  
English summary.
- 103743 JOHKE, T., and LARSON, B. L. Isolation of ribonucleic acid from cow mammary gland. J. Dairy Sci. 47(8):924-927. Ref. Aug. 1964. 44.8 J822
- 103744 JOHNSON, B. L. Vitamin A treatment of ringworm in calves. Mod. Vet. Pract. 45(8):68. July 1964. 41.8 N812
- 103745 JONES, E. W., and NORMAN, B. B. Bovine anaplasmosis: the disease, its clinical diagnosis and prognosis. Natl. Anaplasmosis Conf. Proc., 4th Conf.:3-6. 1962. A41.9 C76
- 103746 JONES, R. S. Disorders of the bovine abomasum. Vet. Rev. 15(1):6-8. Sept. 1963. 41.8 V6466
- 103747 JONSSON, G. Calf diseases. (Sw) Skand. Kreatursforsakringsbol. Manadsbl. 42(1/2):4-7. 1963. 49.9 Sk1
- 103748 JORGENSEN, A., and ELBERLING, H. V. Continued investigations of the clinical effects of several preparations on mastitis. (Da) Danske Dyrlaegefor. Medlemsbl. 47(16):916-920. Aug. 15, 1964. 41.9 D23  
Cattle.
- 103749 KAHR, R., and others. Serological studies on the incidence of bovine virus diarrhea, infectious bovine rhinotracheitis, bovine myxovirus parainfluenza-3, and Leptospira pomona in New York State. Cornell Vet. 54(3):360-369. Ref. July 1964. 41.8 C81  
G. Atkinson, J. A. Baker, L. Carmichael, L. Coggins, J. Gillespie, P. Langer, V. Marshall, D. Robson, and B. Sheffy, joint authors.
- 103750 KATSUBE, Y., and BLOBEL, H. In vitro phagocytic activities of leukocytes isolated from the mammary secretions of a cow. Amer. J. Vet. Res. 25(107):1090-1095. Ref. July 1964. 41.8 Am3A

- 103751 KEMP, A. Relation of chemical composition of grass to frequency of hypomagnesemic tetany (grass tetany) in dairy cattle. (Fr) Acad. d'Agr. de France. Compt. Rend. 50(6):540-569. Ref. Apr. 8/15, 1964. 14 P215Bc  
Includes discussion.
- 103752 KHAN, M. Z. Listeriosis. Agr. Pakistan 14(3): 276-285. Sept. 1963. 22 Ag832  
Buffaloes.
- 103753 KHAR'KOVSKI, N. Duty of trained persons. (Rus) Sel'sk. Khoz. Kazakhstana 4:59-60. 1964. 20 K185  
Treatment of cattle brucellosis and tuberculosis.
- 103754 KHRENOV, N. M. The effect of ionization on organism of cows. (Rus) Veterinariya 4:98-100. Apr. 1964. 41.8 V6426
- 103755 KHRISTOFOROV, L., and SIVOVSKI, I. Complement fixation reaction in bovine tuberculosis. II. Testing of delipidized urea antigen. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 6:37-44. 1962. 41.9 So2  
English summary.
- 103756 KHRISTOFOROV, L., and SIVOVSKI, I. The complement fixation test in bovine tuberculosis. III. Experiments with protein and polysaccharide antigens. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 7:103-109. Ref. 1963. 41.9 So2  
English summary.
- 103757 KIRILLOV, V. S. Treatment of acute mastitis of cows with milk combined with antibiotics and sulfanilamides. (Rus) Veterinariya 4:87-88. Apr. 1964. 41.8 V6426
- 103758 KIEWER, O., PEARSON, C. C., and BROCK, W. E. Additional observations on immunity and immunization: the relation of antibody response and clinical anaplasmosis to injection with C-F antigen. Natl. Anaplasmosis Conf. Proc., 4th Conf.:75-77. 1962. A41.9 C76
- 103759 KOGER, L. M. Anaplasmosis—how I handle it in my practice. Natl. Anaplasmosis Conf. Proc., 4th Conf.:7-8. 1962. A41.9 C76
- 103760 KRAJSA, V. Clinical examination of the mammary gland of milking cows. (Cz) Veterinarstvi 14(6):249-253. June 1964. 41.8 V6439
- 103761 KREIER, J. P. Tailed forms in anaplasmosis and their relationship to Anaplasma marginale. Natl. Anaplasmosis Conf. Proc., 4th Conf.:24-25. 1962. A41.9 C76
- 103762 KUBA, N., ONO, Y., and FUKUSHIMA, T. Histopathological studies on so-called Kuwazu disease (cobalt deficiency) in cattle in Japan. I. Jap. J. Vet. Sci. 25(6):363-374. Ref. Dec. 1963. 41.8 J27
- 103763 KUTTLER, K. L. Observations of possible immune responses in cattle to anaplasmosis not associated with active infection. Natl. Anaplasmosis Conf. Proc., 4th Conf.:73-75. 1962. A41.9 C76
- 103764 KUYUMDZIEV, I. Paratuberculosis in Bulgaria. (Fr) Off. Internatl. des Epiz. B. 61(1/2): 51-66. Ref. Jan./Feb. 1964. 41.8 Of2  
English summary.  
Cattle.
- 103765 LAKRA, P., SINGH, S. P., and SHRIVASTAVA, V. K. Studies on the morphology of the microfilariae of Parafilaria bovicola (Tubangui, 1934) from Indian cattle. Indian Vet. J. 41(6):392-394. June 1964. 41.8 In2
- 103766 LAMOND, D. R. Hormonal synchronization of ovulation in beef heifers and fertility after artificial insemination. Austral. J. Agr. Res. 15(3):461-470. Ref. May 1964. 23 Au783
- 103767 LAZAREV, P. S., and others. Malignant course of foot-and-mouth disease. 5 p. Transl. 14016  
A. I. Fedorov, F. N. Bukhtiliv, and I. N. Kamynin, joint authors.  
Chiefly cattle and swine.  
Translation from Veterinariya 5:39-42. May 1964.
- 103768 LICPERTA, E., and others. The chlodelazin in the narcosis of the big ruminants. (Rum) Rev. de Zootech. si Med. Vet. 13(11):44-51. Ref. Nov. 1963. 49 P943  
P. Balaci, T. Mateescu, and C. Statescu, joint authors.  
English summary.  
Cattle.
- 103769 LUCK, D. N., and BARRY, J. M. The order in time in which amino acids are incorporated into pancreatic ribonuclease. J. Molecular Biol. 9(1):186-192. Ref. July 1964. 442.8 J8224  
Cattle.
- 103770 LYTTLETON, J. W. Bovine salivary mucoprotein: an improved method of isolation. New Zeal. J. Agr. Res. 7(2):228-237. Ref. May 1964. 23 N4892
- 103771 MCCARTHY, C. F. Mastitis control pays off Milk Bd. J. 15(6):33. June 1964. 44.8 M5934  
New South Wales.
- 103772 MCCRADY, J. D., and others. Anesthesia and postoperative care of the newborn calf. Lab. Anim. Care 14(1):28-32. Ref. Feb. 1964. 410.9 P94  
S. D. Greenberg, G. L. Hallman, D. G. McNamara, H. S. Rosenberg, R. M. O'Neal, and A. S. Keats, joint authors.  
Experimental cardiovascular surgery.
- 103773 MCKERCHER, P. D. A comparison of the viruses of infectious bovine rhinotracheitis (IBR), infectious pustular vulvovaginitis (IPV), and rinderpest. II. Canad. J. Compar. Med. & Vet. Sci. 28(5):113-120. Ref. May 1964. 41.8 C162
- 103774 MADDEN, P. A. Studies on Anaplasma marginale using direct fluorescent antibody methods. Natl. Anaplasmosis Conf. Proc., 4th Conf.:15-16. 1962. A41.9 C76
- 103775 MAGAGNIN, R. The contribution of the independent professional veterinarian to the application of artificial insemination. (It) Nuovo Prog. Vet. 19(9):368-370, 372, 374. May 15, 1964. 41.8 P942  
Of cattle.
- 103776 MAHRT, J. L., HAMMOND, D. M., and MINER, M. L. Changes in serum proteins and other blood values associated with experimental Ostertagia ostertagi infections in calves. Cornell Vet. 54(3):453-473. Ref. July 1964. 41.8 C81
- 103777 MALJALA, K. The importance of disease notations in milk-recording statistics from the viewpoint of cattle breeding. (Fi) Finland. Maatalouden Tutkimuskeskus, Maatalous ja Koet. 18:239-247. 1964. 64.9 F49  
English summary.
- 103778 MALYGIN, V. I., and others. Infection of cattle with agent of human tuberculosis. (Rus) Veterinariya 4:37-39. Apr. 1964. 41.8 V6426  
A. N. Borisenkova, M. A. Zhurmakova, and I. A. Bolotnikov, joint authors.  
Includes tuberculin tests.
- 103779 MARCATO, P. S. Observations on the structure of renal glomerules with regard to some cases of glomerulonephritis of cattle and swine. (It) Acta Med. Vet. 9(3/4):239-261. Ref. May/Aug. 1963. 41.8 Ac84  
English summary.
- 103780 MARCHENKO, G. M., and others. Peculiarities of glandular secretion in the abomasum of bottlefed and suckling calves. (Rus) Fiziol. Zhur. SSSR 50(5):613-617. Ref. May 1964. 444.8 F58  
M. V. Budnaya, E. F. Khimina, and A. A. Ki-yashko, joint authors.
- 103781 MARSHALL, R. T., J. S. AL-SHAIKHLI, and EDMONDSON, J. E. The effects of blood and nonfat milk constituents on diffusion of bacterial inhibitors in agar mediums. Amer. J. Vet. Res. 25(107):1044-1047. Ref. July 1964. 41.8 Am3A  
Mastitis therapy studies.



- 103782 MARTIN, W. H. Comparison of C.F. [complement fixation] test results in official laboratories. Natl. Anaplasmosis Conf. Proc., 4th Conf.:63-64. 1962. A41.9 C76  
Cattle antigens in anaplasmosis tests.
- 103783 MARTINCIC, T., KRVAVICA, S., and KURULEC, B. Enzymatic investigations in the mucosa of the rumen. II-III. Vet. Arh. 34(3/4):90-100. Ref. 1964. 41.8 V6416  
Cattle.
- 103784 MAYES, J. S., and others. Mucopolysaccharide excretion in dwarf and normal cattle. J. Anim. Sci. 23(3):833-837. Ref. Aug.1964. 49 J82  
R. G. Hansen, P. W. Gregory, and W. S. Tyler, joint authors.
- 103785 MAZZETTI, R. Abortus of cattle; its various causes with special reference to those not caused by Brucella. (It) Zooprofilassi 19(4):197-208. Apr.1964. 41.8 Z72  
English summary, p.228.
- 103786 MEHNERT, O. H. J. Some reflections on embryotomy in the bovine under field conditions. So. African Vet. Med. Assoc. J. 35(2):223-226. Ref. June 1964. 41.8 So8
- 103787 MERRIMAN, G. M., OWENS, L. K., and CHUNG, P. K. Complement-fixation and capillary-agglutination tests in an anaplasmosis-infected herd of cattle. Amer. Vet. Med. Assoc. J. 145(3):258-262. Aug.1,1964. 41.8 Am3
- 103788 MILLER, J. G. Protective measures against anaplasmosis in Jamaica for imported animals. Natl. Anaplasmosis Conf. Proc., 4th Conf.:49-50. 1962. A41.9 C76
- 103789 MILLER, R. H. Biases in the estimation of the regression of milk production on age. J. Dairy Sci. 47(8):855-860. Aug.1964. 44.8 J822
- 103790 MINOCHA, H. C., and others. An instrument for obtaining aseptic bacteriologic and histologic samples from the bovine genital tract. Amer. J. Vet. Res. 25(107):1051-1057. Ref. July 1964. 41.8 Am3A  
G. B. Marion, H. T. Gier, and K. J. McMahon, joint authors.
- 103791 MIZRAHI, M. A two-year survey of calf morbidity according to months of the year. Refuah Vet. 20(4):247-246. Dec.1963. 41.8 R25
- 103792 MOHANTY, G. C. Studies on the pathology of urinary system of bovines with special reference to urolithiasis. Agra U. J. Res. Sci. 12(3):179-180. Sept.1963. 513 Ag8
- 103793 MOHLMANN, H. Verhütung von Infektionskrankheiten des Kalbes durch Kolostralmilch [Prevention of infectious diseases of calves through colostrum milk]. Deut. Akad. der Landwirtschaftswiss. Sitzber. 12(10),43 p. 1963. 18 D4825  
English summary.
- 103794 MONTEMAGNO, F. Transmissibility in series of lymphatic leukosis of cattle. (It) Acta Med. Vet. 9(3/4):151-158. May/Aug.1963. 41.8 Ac84  
English summary.
- 103795 MONTRONI, L. Ichorous pneumonia of cattle. (It) Zooprofilassi 19(5):235-238. May 1964. 41.8 Z72  
English summary, p.284.
- 103796 MOROSHKIN, B. F., KOSTINA, A. A., and IVANSKII, E. F. Changes in blood of cattle infected with leptospirosis. (Rus) Veterinariya 4:42-43. Apr.1964. 41.8 V6426
- 103797 MORROW, D. M. Procedures and recommendations for programmed dairy herd health. Vet. Med. 58(8):655-660,663. Aug.1963. 41.8 M69
- 103798 NATIONAL ANAPLASMOSIS CONFERENCE, 4, RENO, NEVADA, 1962. Proceedings. n.p., 1962? 99 p. Ref. A41.9 C76  
Sponsored by the U. S. Agricultural Research Service and the State Agricultural Experiment Stations.
- 103799 NECHAEV, P. A. Prevention and treatment of endometritis of cows. (Rus) Veterinariya 4:86. Apr.1964. 41.8 V6426
- 103800 NECHVATAL, M. X-ray diagnosis of traumatic diseases of reticulum from the work-safety point of view. (Cz) Veterinarstvi 14(6):253-256. June 1964. 41.8 V6439  
Cattle.
- 103801 NEUMAN, H. J. Results of routine leukosis studies. (Ge) Tierarztl. Umschau 19(7):335-337. July 1,1964. 41.8 T445  
Cattle.
- 103802 NEUMAN, M., and others. Studies on bovine piroplasmosis caused by Babesia bigemina. II. Refuah Vet. 20(4):259-254. Ref. Dec.1963. 41.8 R25  
A. Hadani, M. Egyed, and E. Pipano, joint authors.  
Includes treatment.
- 103803 NEUMANN, F., and NOBEL, T. A. The use of the P.A.S. (periodic acid Schiff) method in the diagnosis of bovine leucosis. Refuah Vet. 20(4):249-247. Dec.1963. 41.8 R25
- 103804 NICHOLSON, J. W. G. Sodium bicarb for acid indigestion in steers. Res. Farmers 9(3):3,14, 16. Summer 1964. 7 R31
- 103805 NICOLETTI, P. L. Brucellosis is being eliminated in problem herds. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:231-233. 1963. 41.9 Un3  
Cattle.
- 103806 NIELSEN, E. Nogle faktorer som har idflydelse pa kalvenes fodselsvaegt [Factors influencing birth weight of calves]. Denmark. Stat. Husdyrbrugsudv. Forsogslab. Beret. 345,36 p. Ref. 1964. 104 D41  
English summary.  
Chiefly length of pregnancy and weight of dams and sire.
- 103807 NIELSEN, N. C. Cases of myocard-fibrosis in the bovine—clinical and electrocardiographical examinations. (Da) Nord. Vetmed. 16(5):447-462. Ref. May 1964. 41.8 N813  
English summary.
- 103808 NOORDSY, J. L., and others. Successive pre-terminal gestation cesarean sections in the cow: surgical studies. Amer. J. Vet. Res. 25(107):1027-1031. July 1964. 41.8 Am3A  
K. Huston, F. H. Oberst, and S. T. Smith, joint authors.
- 103809 OGLESBY, W. T. Financial losses from anaplasmosis. Natl. Anaplasmosis Conf. Proc., 4th Conf.:1-2. 1962. A41.9 C76
- 103810 OLTEANU, G. The problem of dictyocaulosis in cattle in our country. (Rum) Rev. de Zooteh. si Med. Vet. 14(2):59-67. Ref. Feb.1964. 49 P943  
English summary.
- 103811 ORTLEPP, R. J. On the occurrence of Cooperia mcmasteri Gordon, 1932 and C. spatulata Baylis, 1938 (Nematoda) in bovines in South Africa. So. African Vet. Med. Assoc. J. 35(2):157-159. June 1964. 41.8 So8
- 103812 OSEBOLD, J. W. Experiences with anaplasmosis in species other than cattle. Natl. Anaplasmosis Conf. Proc., 4th Conf.:38-41. 1962. A41.9 C76  
Wildlife; includes transmission to cattle.
- 103813 OVERAS, J. "Sjodogg" of cattle. (No) Buskap og Avdratt 16(1):33,35. 1964. 49 B96  
Infectious disease transmitted by Ixodes ricinus.
- 103814 OZNACAR, R. A study the birth weight and the gains of live weight artificial suckling in Karacabey Montafon calves. (Tu) Ankara. Lalahan Zooteh. Arastirma Enstitusu. Dergisi 4(1):63-78. Ref. Mar.1964. 49.9 An6  
English summary.
- 103815 PALOUNEK, V., KACIN, J., and SVANDOVA, E. Present results of cattle TB control in Kolín district. (Cz) Veterinarstvi 14(5):200-202, map. May 1964. 41.8 V6439
- 103816 PANICHI, G. Contribution to the study of retained placenta in cattle. (It) Pisa. U. degli Studi. Facol. di Med. Vet. Ann. 16:130-178. Ref. 1963, pub.1964. 41.9 P67  
English summary.  
Review of literature.
- 103817 PANICHI, G. Investigations of 132 cases of retained placenta of cattle; results and considerations. (It) Veterinaria [Milano] 13(2):67-82, 84-93,95-103. Ref. Mar./Apr.1964. 41.8 V6499  
English summary.

- 103818 PANICHI, G. On some incidents following the artificial insemination in cattle. (It) Pisa. U. degli studi. Facol. di Med. Vet. Ann. 16:179-193. Ref. 1963, pub. 1964. 41.9 P67  
English summary.  
Abscesses.
- 103819 PANIGRAHI, B. Spinnbarkeit test of bovine cervical mucus: an index to optimal fertility time. Indian Vet. J. 41(6):410-412. June 1964. 41.8 In2
- 103820 PAQUAY, R., BAERE, R. DE, and LOUSSE, A. Hourly change in weight of a dry cow and its variations depending on the nutritional regime. (Fr) Ann. de Med. Vet. 108(3):117-132. May 1964. 41.8 An78
- 103821 PARNAS, J., and BURDZY, K. Sensitivity of *Brucella melitensis* and *Brucella suis* to brucelophage tb. [Tbilisi-Popadze]. (Fr) Inst. Pasteur. Ann. 106(1):132-138. Ref. Jan. 1964. 448.3 An75  
English summary.
- 103822 PATHAN, M. H., and JAMKHEDKAR, P. P. Traumatic reticulitis in a bullock. Indian Vet. J. 41(6):421-424. June 1964. 41.8 In2
- 103823 PEARSON, C. C., BROCK, W. E., and KLIWER, I. O. Bone marrow studies in anaplasmosis. Natl. Anaplasmosis Conf. Proc., 4th Conf.:41-43. 1962. A41.9 C76
- 103824 PECHFELDER, A. Reproduction disturbances of cows—the most frequent causes of losses. (Ge) Tierzucht 17(11):509-511. Nov. 1963. 49 T443
- 103825 PELLEGRINI, N., and PIEROTTI, P. Pancreatic bovine tuberculosis; histo-morphological observations on the A and B cells of pancreatic islets. (It) Pisa. U. degli Studi. Facol. di Med. Vet. Ann. 16:309-328. Ref. 1963, pub. 1964. 41.9 P67  
English summary.
- 103826 PERRY, T. W. Let's lick shipping fever! Feedlot 6(9):28-29. Sept. 1964. 43.8 F32
- 103827 PETERSON, K. J. Mammary tissue injury resulting from improper machine milking. Amer. J. Vet. Res. 25(107):1002-1009. Ref. July 1964. 41.8 Am3A
- 103828 PETROV, C. The effect of isonicid on *Trichomonas foetus* after treatment with ultra-sound-waves. (Ge) Angew. Parasitol. 4(3):164-171. Ref. Sept. 1963. 436.8 An4  
English summary.  
Isolated from cattle.
- 103829 PETTE, J., WIZIGMANN, G., and WEISSER, W. Research into the effectiveness of a parainfluenza 3 live vaccine in calves. (Ge) Berlin. u. Munch. Tierarztl. Wchnschr. 77(14):273-276. July 15, 1964. 41.8 B45  
English summary.
- 103830 PHILLIPS, G. D., and ROBERTS, W. K. Intraruminal injection of vitamin A in steers. Amer. J. Vet. Res. 25(107):1070-1073. July 1964. 41.8 Am3A  
Especially liver level of the vitamin.
- 103831 PIENAAR, J. G., and HEEVER, L. W. VAN DEN. Parafilaria bovicola (Tubangui 1934) in cattle in the Republic of South Africa. So. African Vet. Med. Assoc. J. 35(2):181-184. June 1964. 41.8 So8
- 103832 PIER, A. C., RICHARD, J. L., and FARRELL, E. F. Fluorescent antibody and cultural techniques in cutaneous streptothricosis. Amer. J. Vet. Res. 25(107):1014-1020. Ref. July 1964. 41.8 Am3A
- 103833 PORTER, D. B. Bovine tuberculosis and brucellosis in South America—obstacles in their control. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:251-253. 1963. 41.9 Un3
- 103834 PRALORAN, F. Antibiotics and anaphylactic shock. (It) Veterinaria [Milano] 13(2):117-120. Mar./Apr. 1964. 41.8 V6499  
Cattle.
- 103835 PROTASENYA, T. P., and NIKOLAEV, B. N. Pathogenesis of cattle leukemia. (Rus) Veterinariya 4:32-33. Apr. 1964. 41.8 V6426
- 103836 PURUSHOTHAM, N. P., and MAHENDAR, M. Observations on the specific gravities of blood and plasma in relation to the erythrocyte sedimentation rate in buffaloes. Indian Vet. J. 41(6):400-403. Ref. June 1964. 41.8 In2
- 103837 PUYMANN, P. Therapy of parasitic diseases with dekelmin. (Ge) Tierarztl. Umschau 19(7):364-366. July 1, 1964. 41.8 T445
- 103838 RAO, P. L. N., and GOPALAKRISHNAMURTHY, K. Treatment of nasal schistosomiasis in cattle. Indian Vet. J. 41(4):289-293. Apr. 1964. 41.8 In2
- 103839 RENOUX, G. Examination of animal tissues after mass grinding of samples for the presence of microorganisms; application to *Brucella*. (Fr) Inst. Pasteur. Ann. 106(1):126-131. Jan. 1964. 448.3 An75  
English summary.  
Cattle and goats.
- 103840 RENOUX, G., and others. Immunization of heifers against infection by *Brucella abortus*—comparison of four vaccines. (Fr) Acad. Vet. de France. B. 37(3):139-147. Mar. 1964. 41.9 R24  
J. A. Nicolas, R. Imbert, and M. Quechon, joint authors.  
Includes discussion.
- 103841 RIBADEAU-DUMAS, B., and VEAUX, M. kappa-Casein content of cow colostrum casein. (Fr) J. Dairy Res. 31(2):189-193. June 1964. 44.8 J823  
English summary.
- 103842 RISTIC, M. A capillary tube agglutination test for anaplasmosis. Natl. Anaplasmosis Conf. Proc., 4th Conf.:65-68. 1962. A41.9 C76
- 103843 RISTIC, M., and WATRACH, A. M. Development of *Anaplasma marginale* in the living host. Natl. Anaplasmosis Conf. Proc., 4th Conf.:44-45. 1962. A41.9 C76
- 103844 RIZAEV, M. On possibilities of forecasting milk production of cattle. (Rus) Uz. Nauch.-Issled. Inst. Zhivotn. Tr. 7:131-143. Ref. 1962. 49.9 Uz12T  
Using physiological data.
- 103845 ROBERTS, W. K., and MCKIRDY, J. A. Weight gains, carcass fat characteristics and ration digestibility in steers as affected by dietary rapeseed oil, sunflowerseed oil and animal tallow. J. Anim. Sci. 23(3):682-687. Ref. Aug. 1964. 49 J82
- 103846 ROBERTSON, A., BOULANGER, P., and MITCHELL, D. Isolation and identification of a leptospire of the hebdomadis serogroup (L. hardjo) from cattle in Canada. Canad. J. Compar. Med. & Vet. Sci. 28(1):13-18. Ref. Jan. 1964. 41.8 C162
- 103847 ROBINSON, G. A., and others. The biological half-life of molybdenum-99 in normal and nutritionally deficient cows. Amer. J. Vet. Res. 25(107):1040-1043. July 1964. 41.8 Am3A  
A. McCarter, H. C. Rowsell, E. B. Meads, P. E. Riddell, and P. A. Taylor, joint authors.
- 103848 ROBY, T. O., and GATES, D. W. Observations on immunization trials for bovine anaplasmosis. Natl. Anaplasmosis Conf. Proc., 4th Conf.:77-78. 1962. A41.9 C76
- 103849 ROSASCHINO, F. Study on the content of sialic acid, soluble perchloric mucopolysaccharides and total non-glucosaminic polysaccharides in the mammary secretion of healthy cattle. (It) Arch. Vet. Ital. 15(2):107-116. Ref. Apr. 30, 1964. 41.8 Ar25  
English summary.
- 103850 ROSCA, V. Some epizootic dictyocaulosis in cattle. (Rum) Rev. de Zooteh. si Med. Vet. 14(2):68-75. Ref. Feb. 1964. 49 P943  
English summary.
- 103851 ROSE, J. E., and AMERALT, T. E. Electrophoretic and ultracentrifugation studies on serum from pregnant heifers after exposure to virulent *Brucella abortus*. Amer. J. Vet. Res. 25(107):998-1001. July 1964. 41.8 Am3A
- 103852 ROSSETTI, G., and BERGAMASCHI, A. A specific reaction to tuberculin test due to distomatosis infection. (It) Veterinaria [Milano] 13(2):111-113. Ref. Mar./Apr. 1964. 41.8 V6499  
English summary.  
Cattle.
- 103853 ROSTOVITSEV, N. F., and SHVARTS, V. E. Comparative evaluation of various methods of castration of calves. (Rus) Zhivotnovodstvo 3:32-37. Mar. 1964. 49 Z6



- 103854 ROY, D. J., and MULLICK, D. N. Endocrine function of corpus luteum of buffaloes during estrous cycle. *Endocrinology* 75(2):284-287. Ref. Aug.1964. 44.8 En2
- 103855 RYBKINA, A. D. Chemical prophylaxis of babesiosis in cattle. (Rus) *Veterinariya* 4:51-53. Apr.1964. 41.8 V6426  
Azidin used.
- 103856 SAPRE, S. N. A note on further observations on mucosal disease complex in Maharashtra. *Indian Vet. J.* 41(4):255-258. Apr.1964. 41.8 In2  
Buffaloes.
- 103857 SARWAR, M., CAMPBELL, B., and PETERSEN, W. E. Observations on the presence and concentration of natural antibodies in colostrum. *Canad. J. Compar. Med. & Vet. Sci.* 28(7):157-160. Ref. July 1964. 41.8 C162  
Cattle.
- 103858 SARWAR, M., CAMPBELL, B., and PETERSEN, W. E. Production of antibody in mammary gland of pregnant, non-lactating and lactating cows, evoked by polyvalent antigen with reference to dosage and frequency of immunization. *Canad. J. Compar. Med. & Vet. Sci.* 28(8):183-192. Aug.1964. 41.8 C162
- 103859 SAULMON, E. E. Changes in the anaplasmosis map. *Natl. Anaplasmosis Conf. Proc., 4th Conf.:2-3, map.* 1962. A41.9 C76
- 103860 SAULMON, E. E. Regulatory aspects of anaplasmosis. *Natl. Anaplasmosis Conf. Proc., 4th Conf.:55-56.* 1962. A41.9 C76
- 103861 SAVOV, N. Contribution to the epizootiology of bovine vibriosis in Bulgaria. (Bu) *Akad. Sel'skostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 6:171-179. Ref. 1962. 41.9 So2  
English summary.
- 103862 SCALES, J. W., and others. Control of anaplasmosis by low level feeding of aureomycin during the vector season. *Natl. Anaplasmosis Conf. Proc., 4th Conf.:46-48.* 1962. A41.9 C76  
J. C. Collins, R. A. Hoffman, and R. H. Roberts, joint authors.
- 103863 SCHAETZ, F. Some ideas and discussion principles in cattle brucellosis control. (Ge) *Tierzucht* 18(4):184-187. Apr.1964. 49 T443
- 103864 SCHAUFFLER, A. F. Mandibular anomaly in an Angus calf. *Mod. Vet. Pract.* 45(10):81. Sept.1964. 41.8 N812
- 103865 SCHIPPER, I. A. Comparative studies of two antibiotics. *Norden News* 39(1):6-8. Mar.1964. 41.8 N75  
Blood and milk levels of penicillin G preparations in cows.
- 103866 SEEBECK, R. M., and CAMPION, E. J. The application of body weight data to performance testing of beef cattle. *Austral. J. Agr. Res.* 15(3):471-489. Ref. May 1964. 23 Au783
- 103867 SEGER, C. L., and WHITE, D. The histopathology of anaplasmosis. *Natl. Anaplasmosis Conf. Proc., 4th Conf.:26-28.* 1962. A41.9 C76
- 103868 SELLARS, K. C. Intensification in relation to diseases of calves and breeding stock. *Brit. Cattle Breeders' Club. Dig.* 19:69-76. 1963. 43.9 B775  
Includes discussion.
- 103869 SELLARS, A. F., and others. Arterial blood flow to the ruminant stomach. *Amer. J. Physiol.* 207(2):371-377. Ref. Aug.1964. 447.8 Am3  
C. E. Stevens, A. Dobson, and F. D. McLeod, joint authors.  
In cattle.
- 103870 SETTLEMIRE, C. T., HIBBS, J. W., and CONRAD, H. R. Basal metabolic rate, pulse rate, respiration rate, and certain organ weights in relation to neonatal iron deficiency anemia in dairy calves. *J. Dairy Sci.* 47(8):875-878. Ref. Aug.1964. 44.8 J822
- 103871 SHAMSIEV, M. A. Physiology of digestion of cows in summer. (Rus) *Zhivotnovodstvo* 3:82-83. Mar.1964. 49 Z6
- 103872 SHARMAN, R. S. Application of CF [complement fixation] testing to control. *Natl. Anaplasmosis Conf. Proc., 4th Conf.:91-93, map.* 1962. A41.9 C76
- 103873 SHISHKOV, V. P. Pathomorphological diagnosis of toxic indigestion of calves. (Rus) *Veterinariya* 4:64-66. Apr.1964. 41.8 V6426
- 103874 SINGH, K. P. Studies on the pathology of bovine cardiovascular system. *Agra U. J. Res. Sci.* 12(3):165-167. Sept.1963. 513 Ag8
- 103875 SIRBU, Z., and NISTOR, T. A case of pseudotuberculous of cattle trachea. (Rum) *Rev. de Zooteh. si Med. Vet.* 13(11):74-75. Nov.1963. 49 P943
- 103876 SKYDSGAARD, J. M. Renal sodium and potassium excretion in diseased cattle estimated without measurement of the urine volume. *Acta Vet. Scand.* 5(2):123-132. Ref. 1964. 41.8 Ac87
- 103877 SMEDEGAARD, H. H. Caries of the pedal bone; a conservatively treated case in a bull. (Da) *Nord. Vetmed.* 16(5):480-486. May 1964. 41.8 N813  
English summary.
- 103878 SMITH, V. R., REED, R. E., and ERWIN, E. S. Relation of physiological age to intestinal permeability in the bovine. *J. Dairy Sci.* 47(8):923-924. Aug.1964. 44.8 J822  
To gamma-globulins; tests with calves.
- 103879 SOFLETEA, I., PASAT, E., and SOCOL, E. Information about the rise of epizootic cattle dictyocaulosis. (Rum) *Rev. de Zooteh. si Med. Vet.* 14(2):80-81. Feb.1964. 49 P943  
English summary.
- 103880 STANCHEVA, L. Effect of urea on certain physiological and biochemical processes in the organism of dairy cows. (Bu) *Akad. Sel'skostopanskite Nauk. Bulg. Inst. Zhivotn. Izv.* 17:191-199. Ref. 1963. 49.9 B8721  
English summary.
- 103881 STREET, H. Mastitis control in Maryland. *Kraftsman, Prod. Ed.* 22(4):4-7. July/Aug. 1964. 44.8 K85
- 103882 SUMMERS, W. A. Immunity in anaplasmosis. *Natl. Anaplasmosis Conf. Proc., 4th Conf.:70-73.* Ref. 1962. A41.9 C76
- 103883 SYMPOSIUM on bovine mastitis—new horizons of opportunity and challenge. *Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:18-33.* Ref. 1963. 41.9 Un3  
1, Mastitis control—The challenge and the tools at hand, by D. E. Jasper; 2, The veterinarian's role in mastitis control program, by C. W. Burch; 3, The profession's responsibility translated into action, by M. H. Agee; 4, Farmer-veterinarian cooperation in mastitis control, by J. J. Mettler, C. M. Jenkins and P. C. Layer; 5, An ambulatory clinician views mastitis control, by S. J. Roberts.
- 103884 TAPPARI, A. Deep hysterotomy in cesarean section of cattle. (It) *Nuovo Prog. Vet.* 19(12):550,552. June 30,1964. 41.8 P942
- 103885 TAYLER, J. C. The relationship between growth and carcass quality in cattle and sheep—a review. *Empire J. Expt. Agr.* 32(127):191-204. Ref. July 1964. 10 Em7
- 103886 TERBLANCHE, M., MINNE, J. A., and ADELAAR, T. F. A diagnosis of prussic-acid poisoning in cattle made from a sample of muscular-tissue. *So. African Vet. Med. Assoc. J.* 35(2):199-200. June 1964. 41.8 So8
- 103887 THEILEN, G. H., and BURNHAM, L. G. Bovine lymphosarcoma with acute terminal lymphocytic leukemia—a case report. *Cornell Vet.* 54(3):325-331. July 1964. 41.8 C81
- 103888 THIELSCHER, H. H. Haematologische und pathologisch-anatomische Untersuchungen an Kuhen aus einer Herde mit gehauft auftretender Leukose [Hematological and pathological-anatomical studies on cows from a herd with aggregated leucosis]. *Max-Planck-Inst. f. Tierzucht u. Tierernahr. Schreibe.* 17,94 p. Ref. 1963. 49.9 M45
- 103889 TOGLIEV, V. S., and KONOPEL'KO, P. YA. Leukemia of domestic animals. (Rus) *Veterinariya* 4:34-36. Apr.1964. 41.8 V6426  
Cattle and swine.
- 103890 TOSTE, J. L. M. Lungworms in calves. (Por) *Junta Geral Distrito Autonomo Ponta Delgada. Bol.* 13(3/4):108-110. July/Dec.1963. 277.9 P77

- 103891 TURBOK, J. L. Radiograph reveals cause of cow's lameness. *Vet. Med.* 58(12):963,965. Dec.1963. 41.8 M69
- 103892 TWIEHAUS, M. J. Control of anaplasmosis by feeding on antibiotic (aureomycin). *Natl. Anaplasmosis Conf. Proc.*, 4th Conf.:48-49. 1962. A41.9 C76
- 103893 URBANYI, L. Further investigation of rachitis of fattening bulls. (Hu) *Allattenyesztes* 13(1): 57-63. Mar.1964. 49 AL57  
English summary.
- 103894 VACHEV, B., and RAICHINOV, A. On the immunoprophylaxis of skin papillomatosis in cattle. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 9:63-68. 1963. 41.9 So2  
English summary.
- 103895 VAN DYNE, G. M., and LOFGREEN, G. P. Comparative digestion of dry annual range forage by cattle and sheep. *J. Anim. Sci.* 23(3): 823-832. Ref. Aug.1964. 49 J82
- 103896 VELASCO L., M., and RAUN, N. S. Stilbestrol as a stimulating factor of growth in cattle. (Sp) *Tec. Pecuaria en Mex.* 1:27-29. Jan.1963. 49 T222  
English summary, p.4.
- 103897 VESELOVA, T. P., and others. Toxicity of hexachloroethane to cattle. (Rus) *Veterinariya* 4: 56-57. Apr.1964. 41.8 V6426  
M. A. Vorob'ev, Yu. A. Velikovskaya, T. F. Kostenko, and M. V. Doroshina, joint authors.
- 103898 VOGT, D. W., and ANDERSON, D. E. Studies on bovine ocular squamous carcinoma ("cancer eye"). XV. Heritability of susceptibility. *J. Hered.* 55(3):133-135. May/June 1964. 442.8 Am3
- 103899 VRZGULA, L. Ion disturbance in blood serum of calves infected with diarrhea and its treatment. (Cz) *Veterinarstvi* 14(6):245-249. June 1964. 41.8 V6429
- 103900 WALTERS, F. Phases of cattle cycles from 1949 to 1958. *Agr. Situation* [Washington] 48 (8):13. Aug.1964. 1 Ec7Ag  
Live weight.
- 103901 WEILAND, G. Measures for reducing lungworm injuries of cattle. (Ge) *Tierzucht* 18(3):149-151. Mar.1964. 49 T443
- 103902 WELTER, C. J. Serologic stability and specificity of agglutinating *Anaplasma marginale* antigen. *Amer. J. Vet. Res.* 25(107):1058-1061. July 1964. 41.8 Am3A
- 103903 WESSMAN, G. E. Interrelationships of smooth and nonsmooth variants in the dissociation of *Pasteurella haemolytica*. *J. Bact.* 88(2):356-360. Ref. Aug.1964. 448.3 J82  
From cattle with shipping fever.
- 103904 WILBUR, J. L. Troublesome disease showing up in Texas. *Cattleman* 51(3):42, map. Aug. 1964. 49 C29  
Vesicular stomatitis.
- 103905 WILCOX, C. J. Flexed pasterns, an inherited trait of cattle. *Sunshine State Agr. Res. Rpt.* [Fla. Sta.] 9(3):17-18. July 1964. 100 F66Su
- 103906 WILSON, D. Internal parasites—unseen menace to cattle. *Cattleman* 51(3):120-121. Aug. 1964. 49 C29  
*Haemonchus contortus*.
- 103907 WOODS, G. T., and others. Isolation and transmission studies with bovine parainfluenza-3 virus. *Amer. J. Vet. Res.* 25(107):1021-1025. Ref. July 1964. 41.8 Am3A  
K. Sibinovic, D. Segre, and J. C. Thurmon, joint authors.
- 103908 ZUFFA, A., and DLHY, V. Vaccination of cattle against pseudorabies with living vaccine. (Cz) *Veterinarstvi* 14(6):241-243. June 1964. 41.8 V6439
- 103910 ANDERSON, J. Some thoughts on dairy cattle. *Kenya Farmer* 95:18-19, 26. May 1964. 24 R812  
Chiefly records, testing, and breeding, for Kenya farmers.
- 103911 ARBEITSGEMEINSCHAFT DER NIEDERÖSTERREICHISCHE TIERZUCHTVERBÄNDE. Jahresbericht über die Milchleistungsprüfung in Niederösterreich [Annual report on milk production testing in Lower Austria], 1962-1963. Wien, 1964. 34 p. 43.9 Ar1
- 103912 BONSEMBIANTE, M. Technical and economic aspects of production of cattle meat. (It) *Riv. di Zootec.* 37(6):349-357. (Cont.) June 1964. 49 R52  
This section especially on veal.
- 103913 BOTTAZZI, V. The Italian dairy-cheese sector. II. Dairy cattle raising. (It) *Riv. del Latte* 20(2):14-31. Mar./Apr.1964. 280.38 R52
- 103914 DAMM, K. Results of young cattle rearing in the agricultural farms of the Deutsche Akademie der Landwirtschaftswissenschaften. (Ge) *Tierzucht* 18(6):292-294. June 1964. 49 T443
- 103915 DANNENBERG, H. D. On hygiene in calf rearing. (Ge) *Tierzucht* 17(10):454-457. Ref. Oct. 1963. 49 T443
- 103916 DAVIS, R. Texas Rangers today. *West. Horseman* 29(8):48-50. Aug.1964. 42.8 W522  
Includes activities in cattle theft.
- 103917 DIETRICH, H., and EISOLD, S. Development of cooperation relations in cattle rearing in the Magdeburg district. (Ge) *Tierzucht* 18(3):130-133. Mar.1964. 49 T443
- 103918 FERRARA, B. On some aspects of buffalo raising in Italy. (It) *Riv. di Zootec.* 37(6):368-376. (Concl.) June 1964. 49 R52
- 103919 FLOGSTAD, G. Labor saving and milking. (No) *Landslaget Telemarkfe. Telemarkfeet* 1964:21-23. 43.9 L23  
Effects of milking on yield.
- 103920 FOLL, N. J. Management of intensive beef steers. *Fert. & Feed. Stuffs J.* 61(3):83-85; (4):115-116, 118. Aug.5-19, 1964. 57.8 F413  
Great Britain.
- 103921 GAZO, M., and LANDAU, L. Changes in the vitamin A and carotene content in milk during milking. (Cz) *Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba* 37(2):101-106. Feb. 1964. 49.9 C33  
German summary.
- 103922 GRIGNANI, U. Closed and open stalls in the Po Valley. III. (It) *Riv. di Zootec.* 37(6):358-364. June 1964. 49 R52  
Cattle housing and pasture feeding.
- 103923 HAFS, H. D., and BOYD, L. J. It's calving time! *Hoard's Dairyman* 109(16):888-889. Aug.25, 1964. 44.8 H65
- 103924 HALTMAR, S., and HOLL, C. The effect of rearing in loafing stall on health conditions and blood picture of heifers. (Cz) *Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba* 36(11):635-646. Ref. Nov.1963. 49.9 C33  
German summary.
- 103925 HEREFORD associations. *Cattleman* 51(3):92, 94, 96-99, 102. Aug.1964. 49 C29  
Directory.
- 103926 HUNT, H. Comparing herd recording results with factory returns. *Tasmanian J. Agr.* 35(2): 88-90. May 1964. 23 T182T  
Dairy cattle.
- 103927 HUTTON, J. B. Variations in dairy cow efficiency. *Ruakura Farmers' Conf. Week. Proc.* 1963:194-208. 49.9 R82  
Includes discussion.
- 103928 ISACSON, B. Are you taking chances with veal calves or young cattle? (Sw) *Lantmannen* 75 (10):250-253. Mar.7, 1964. 11 L234  
Effects of weight on veal quality and prices.
- 103929 LENSCHOW, J., and ZIMNOVICH, I. Methods of raising calves in German Democratic Republic. (Rus) *Zhivotnovodstvo* 3:87-91. Mar.1964. 49 Z6

#### Miscellaneous

- 103909 ALBRIGHT, J. L. Problems in increasing size of the dairy herd. *J. Dairy Sci.* 47(8):941-943. Ref. Aug.1964. 44.8 J822



- 103930 MOSES, T. Yesteryears of Texas cattledom. Tex. Livestock J. 22(12):9,50,52, map. Dec.15, 1963. 49 T29
- 103931 PHILLIPS, D. S. M. The selection of cows responsive to milking treatment. Ruakura Farmers' Conf. Week. Proc. 1963:262-266. 49,9 R82 Includes discussion.
- 103932 RENNIE, J. C. Recent developments in dairy cattle production. Ontario. Dep. Agr. Ext. Br. Rep. Annu. Conf. 1963:24-26. 7 On82
- 103933 RUFFO, G., and PASTORE, M. Relations between milking and the sanitary quality of milk: drying of the udder. (It) Latte 38(7):613-614. July 1964. 44.8 L35
- 103934 SAMIMI, V., and TARTARI, T. Rritja e gjedhit [Rearing of cattle]. Tirane, Institutit te Larte Shteteror te Bujqesise, 1963, i.e. 1964. 348 p. Ref. 43 Sa42
- 103935 SCHWARK, H. J. Measures for improving young cattle rearing. (Ge) Tierzucht 18(3): 121-126. Mar. 1964. 49 T443
- 103936 SCHWARK, H. J. Professional young cattle rearing—first provision for more productive, improved cow herds. (Ge) Tierzucht 18(1):17-20. Ref. Jan. 1964. 49 T443
- 103937 STEGER, J. Progeny recording in cattle breeding by calving reports. (Ge) Tierzucht 18(3): 127-130. Mar. 1964. 49 T443
- 103938 STORK, J. E. Fitting cattle for show and sale. Tex. Livestock J. 22(12):8,52. Dec.15, 1963. 49 T29
- 103939 SWEDEN. KONTROLLNAMNDEN. Kontrollforreningsverksamheten kontrollaret 1962/63. Milk-butterfat recording in Sweden during the operational year 1/10 1962—30/9 1963. Sweden Lantbrstyr. Meddel. Ser. B. Lantbravd. 52,27 p. 1964. 11 Sw3Me English summary.
- 103940 SYRSTAD, O. Milk recording 1963. (No) Buskap og Avdratt 16(1):39-41. 1964. 49 B96
- 103941 SYRSTAD, O., and SKJERVOLD, H. Reason for the seasonal variations in milk production. (No) Buskap og Avdratt 16(1):8-12. 1964. 49 B96 Effects of calving time.
- 103942 THROUGH proper manual milking to more and better milk. (Ge) Tierzucht 18(4):188-189. Apr. 1964. 49 T443
- 103943 TING, F. S. The function of cattle in a mechanized farming community. (Ch) Chung Kuo Nung Pao 11(271):35. Nov. 1963. 22.5 C473
- 103944 WALKER, D. E. K. Milk production of beef heifers. Ruakura Farmers' Conf. Week. Proc. 1963:53-62. 49,9 R82 Includes discussion.
- 103945 WITT, M. During pasturing, milk only once on Sunday. (Ge) Ubersicht 15(5):286-290. May 10, 1964. 18 Ub3

## DOGS AND CATS

### Breeds and Breeding

- 103946 ALLGEMEINER DEUTSCHER ROTTWEILER-KLUB. Zucht- und Korbuch, Band XLV und XLVI, Zuchtjahrgange 1961 und 1962 [Breed and studbook, Vol. XLV and XLVI, breeding year 1961 and 1962]. Stuttgart, 1963. 122 p. 48.9 AL3
- 103947 FOX, M. W. Osmotic resistance of erythrocytes; canine breed differences. J. Hered. 55(3):146-148. May/June 1964. 44.8 Am3
- 103948 MATHIS, S. Our friends the dogs: the Picardy Shepherd. (Fr) Agr. Prat. 128(5):22. May 1964. 14 J82

### Feeds and Feeding

- 103949 GISLER, D. B., and EWING, D. E. A free access dry ration for cats. Lab. Anim. Care 14(2):91-94. Apr. 1964. 410.9 P94

## Veterinary Medicine

- 103950 AGOSTINI, C., and NERI, L. Tuberculosis of the dog; considerations and anatomo-histopathologic findings. (It) Pisa. U. degli Studi. Facol. di Med. Vet. Ann. 16:329-352. Ref. 1963, pub. 1964. 41.9 P67 English summary.
- 103951 ALBRECHT, D. T. Surgical positioning of maloccluded teeth in the dog. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:180-181. 1963. 41.9 Un3
- 103952 AMOS, V. J. E., MORFORD, L. R., and CLOW, D. G. Tetanus in the dog. Vet. Rec. 76(26): 739-740. June 27, 1964. 41.8 V641
- 103953 ASHEIM, A. Comparative pathophysiological aspects of the glomerulonephritis associated with pyometra in dogs. Acta Vet. Scand. 5(2): 188-207. Ref. 1964. 41.8 Ac87
- 103954 ASHEIM, A. Renal function in dogs with pyometra. 6-7. Acta Vet. Scand. 5(2):100-122. Ref. 1964. 41.8 Ac87
- 103955 AUSTIN, V. H. A method for packing anal glands to aid surgical removal. Amer. Vet. Med. Assoc. J. 145(3):241-242. Aug. 1, 1964. 41.8 Am3 Dogs.
- 103956 BAILEY, W. S., MORGAN, D. H., and CABREIRA, D. J. Observations on the epidemiology of *Spirocerca lupi* in the southeastern United States. Auburn Vet. 20(3):124-128, map. Ref. Spring 1964. 41.8 Aul Causing esophageal sarcoma in dogs.
- 103957 BECKETT, S. D., BURNS, M. J., and CLARK, C. H. A study of the blood glucose, serum transaminase, and electrophoretic patterns of dogs with infectious canine hepatitis. Amer. J. Vet. Res. 25(107):1186-1190. Ref. July 1964. 41.8 Am3A
- 103958 BENSON, T. F., and MICKLE, E. A filter paper disc method for collecting canine blood samples for serological procedures. Cornell Vet. 54(3):331-334. July 1964. 41.8 C81
- 103959 BILD, C. E. One practitioner's idea of the distemper complex. Auburn Vet. 20(3):106-110. Spring 1964. 41.8 Aul
- 103960 BLOUSE, L., and others. Epizootiology of staphylococci in dogs. Amer. J. Vet. Res. 25(107): 1195-1200. Ref. July 1964. 41.8 Am3A P. Husted, A. McKee, and J. Gonzalez, joint authors. Especially *S. aureus*, and transmission of infection to veterinary student handlers.
- 103961 CABASSO, V. J., SHARPLESS, G. R., and SHOR, A. L. Vaccination of cats against rabies. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:172-177. Ref. 1963. 41.9 Un3
- 103962 CALVI, S. A., and CANDIA, L. M. Dithiazanine as antiparasite for dogs. (Sp) Rev. de Med. Vet. [Buenos Aires] 45(1):61-62. Jan./Feb. 1964. 41.8 B86
- 103963 CARNERI, I. DE, and CASTELLINO, S. Entamoeba canibuccalis, Trichomonas canistomae, and Giardia canis in dogs in Milan. (It) Clin. Vet. 87(7):193-196. Ref. July 1964. 41.8 C61 English summary.
- 103964 CAUSEY, E. W. Examination of the spinal cord and spinal nerves from the functional standpoint. Soeast. Vet. 15(3):60-63, 73. Summer 1964. 41.8 Un32 Dog and cat.
- 103965 COLE, W. W. Friedlaender's pneumonia in a dog. Vet. Med./Small Anim. Clin. 59(3):321. Mar. 1964. 41.8 M69
- 103966 COLLINS, J. R. Management of canine ketosis. Vet. Med./Small Anim. Clin. 59(6):584. June 1964. 41.8 M69
- 103967 CONROY, J. D. Microsporium infections in cats. Amer. Vet. Med. Assoc. J. 145(2):115-122. Ref. July 15, 1964. 41.8 Am3

- 103968 COOK, B. R. The epidemiology of *Echinococcus* infection in Great Britain. II. The incidence of *Echinococcus granulosus* and some other cestodes in farm dogs in mid-Wales. *Ann. Trop. Med. & Parasitol.* 58(2):147-152. Ref. June 1964. 448.9 L75A
- 103969 CURREY, J. R. Canine exodontia. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:178-179. 1963. 41.9 Un3
- 103970 DAWSON, J. L. The canine prostate: with special reference to its diseases and to prostatectomy. II. *Soeast. Vet.* 15(3):64-67. Ref. Summer 1964. 41.8 Un32
- 103971 DEPOUX, R. Infection of cells of dog salivary glands cultivated in vitro by a fixed rabies virus. (Fr) *Canad. J. Microbiol.* 10(4):527-534. Ref. Aug. 1964. 448.8 C162  
English summary.
- 103972 DURAND, M., and SCHNEIDER, R. Study of dog serum by immunoelectrophoresis and its antigenic relations with various species of mammals. (Fr) *Inst. Pasteur de Tunis. Arch.* 40(1):91-95. Ref. Mar. 1963. 448.3 In72
- 103973 DZHANKOV, I. Research into leptospirosis in cats. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 9:171-174. 1963. 41.9 So2  
English summary.
- 103974 ELLIS, I. G. Common diseases affecting working dogs. *New Zeal. Meat Prod.* 8(8):40,43. May 1, 1964. 50.8 N48
- 103975 EPSTEIN, B., and MARTIN, A. A. First finding of venereal lymphogranuloma or transmissible tumor in dogs. (Sp) *Rev. de Med. Vet. [Buenos Aires]* 45(1):3-7. Ref. Jan./Feb. 1964. 41.8 B86
- 103976 FARRELL, J. M. Treatment delay results in death of dog. *Vet. Med./Small Anim. Clin.* 59(3):325. Mar. 1964. 41.8 M69  
Intestinal and gall bladder trouble.
- 103977 FISH, J. G. Let's reexamine distemper immunity. *Auburn Vet.* 20(3):114-116, 134-135. Spring 1964. 41.8 Aul
- 103978 FORBES, L. S. The effect of certain substances against *Echinococcus granulosus* and *Taenia hydatigena* infections in dogs. *Ann. Trop. Med. & Parasitol.* 58(2):132-146. Ref. June 1964. 448.9 L75A
- 103979 FORBES, L. S. The relation between method of administration, route of absorption, inhibitory actions and acute toxicity of arecoline hydrobromide in dogs. *Ann. Trop. Med. & Parasitol.* 58(2):119-131. Ref. June 1964. 448.9 L75A  
For control of *Echinococcus granulosus*.
- 103980 FOX, M. M. Anatomy of the canine skull in low-grade otocephaly. *Canad. J. Compar. Med. & Vet. Sci.* 28(5):105-107. May 1964. 41.8 C162
- 103981 FOX, M. W. Use of tetracycline fluorescence to determine development of ossification in the dog. *Amer. J. Vet. Res.* 25(107):1311-1313. July 1964. 41.8 Am3A
- 103982 GEARY, J. C. Chronic pleuritis: a sequela to spirocerosis. *Auburn Vet.* 20(3):136-138. Spring 1964. 41.8 Aul  
Dogs.
- 103983 GERMANA, G., and PASSANTINO, G. F. G. Distribution of parietal values in some veins of "*Canis familiaris*." (It) *Acta Med. Vet.* 9(3/4):277-286. Ref. May/Aug. 1963. 41.8 Ac84  
English summary.
- 103984 GREVE, J. H., and GAAFAR, S. M. Radiotriiodothyronine for the evaluation of experimentally induced hypothyroidism in dogs. *Amer. J. Vet. Res.* 25(107):1191-1193. Ref. July 1964. 41.8 Am3A
- 103985 GRIFFITHS, H. J., and SCHLOTTHAUER, J. C. Laboratory diagnosis of *Dirofilaria immitis* and *Dipetalonema* sp. in the peripheral blood of the dog in the United States. *Vet. Med./Small Anim. Clin.* 59(3):264-267. Mar. 1964. 41.8 M69
- 103986 GROFOVA, I., and PETROVICKY, P. The cytoarchitecture of the reticular formation of the isthmus region and midbrain in the dog. (Cz) *Ceskoslov. Morf.* 11(4):349-357. Ref. 1963. 444.8 C33  
English summary.
- 103987 HAHN, A. W. Auscultation as an aid in the diagnosis of heart disease in dogs. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:124-127. Ref. 1963. 41.9 Un3
- 103988 HAMLIN, R. L., SMETZER, D. L., and SMITH, C. R. Interventricular septal defect (Roger's disease) in the dog. *Amer. Vet. Med. Assoc. J.* 145(4):331-340. Aug. 15, 1964. 41.8 Am3
- 103989 HARVEY, A. M., and CHRISTENSEN, H. N. Uric acid transport system: apparent absence in erythrocytes of the Dalmatian coach hound. *Science* 145(3634):826-827. Ref. Aug. 21, 1964. 470 Sci2
- 103990 HEATH, M. K., and HARDWICK, R. S. Chronic interstitial nephritis and hypocalcemia in a Greyhound. *Auburn Vet.* 20(3):133-134. Spring 1964. 41.8 Aul
- 103991 HESSLER, J. R., DALE, H. E., and LOAN, R. W. Soluble canine red blood cell antigen. *Amer. J. Vet. Res.* 25(107):1175-1177. July 1964. 41.8 Am3A
- 103992 HOLMES, D. D., and others. Myelosarcoma (plasma-cell type) in a dog. *Amer. Vet. Med. Assoc. J.* 145(3):234-240. Ref. Aug. 1, 1964. 41.8 Am3  
W. E. Brock, N. B. Tennille, and W. M. Rice, joint authors.
- 103993 HOSEK, J. J. Cecectomy in a Cocker Spaniel. *Vet. Med./Small Anim. Clin.* 59(6):579. June 1964. 41.8 M69
- 103994 HUROV, L., and HOEY, A. Treatment of spinal disorders in the cat by hemilaminectomy and removal of vertebral processes. *Amer. Vet. Med. Assoc. J.* 145(3):243-247. Aug. 1, 1964. 41.8 Am3
- 103995 IMHOFF, R. K. Hydronephrosis in a cat. *Amer. Vet. Med. Assoc. J.* 145(2):123-126. Ref. July 15, 1964. 41.8 Am3
- 103996 INADA, S., SUGANO, S., and IBARAKI, T. Electromyographic study on denervated muscles in the dog. *Jap. J. Vet. Sci.* 25(6):327-336. Ref. Dec. 1963. 41.8 J27
- 103997 JACKSON, F. C. Rabies and the veterinarian. *Vet. Med.* 58(12):952. Dec. 1963. 41.8 M69  
Treatment of dogs.
- 103998 JACKSON, W. F., and WALLACE, C. R. Simplified heartworm surgery. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:106-107. 1963. 41.9 Un3  
Dogs.
- 103999 JENNY, J. Resection of the femoral head in developmental hip disorders in dogs. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:170-171. 1963. 41.9 Un3
- 104000 KASZA, L. Establishment and characterization of canine thyroid adenocarcinoma and canine melanoma cell lines. *Amer. J. Vet. Res.* 25(107):1178-1185. Ref. July 1964. 41.8 Am3A
- 104001 KLEMM, W. R. Carbon dioxide anesthesia in cats. *Amer. J. Vet. Res.* 25(107):1201-1205. Ref. July 1964. 41.8 Am3A
- 104002 KOGER, R. B. Management of hypertrophic osteoarthropathy in a dog. *Vet. Med./Small Anim. Clin.* 59(3):322-323. Mar. 1964. 41.8 M69
- 104003 LEONARD, E. P. Fenestration in the thoracolumbar region from the ventral approach. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:168-169. 1963. 41.9 Un3  
In intervertebral disc protrusion of dog.
- 104004 LETTOW, E., LOPPNOW, H., and TEICHERT, G. Epithelioma of the cornea of a dog. (Ge) *Berlin. u. Munch. Tierarztl. Wchnschr.* 77(12):248-250. Ref. June 15, 1964. 41.8 B45  
English summary.



- 104005 LEWIS, R. M., and others. A syndrome of autoimmune hemolytic anemia and thrombocytopenia in dogs. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:140-163. Ref. 1963. 41.9 Un3  
W. B. Henry, G. W. Thornton, and C. E. Gilmore, joint authors.
- 104006 LINDT, S. The pathology of the adrenal gland in dogs. (Ge) *Deut. Tierarztl. Wchnschr.* 69 (20):586-588. Oct.15,1962. 41.8 D482  
English summary.
- 104007 MCCORMICK, J. E. Therapeutic use in variety of diseases of dog. *Ga. Vet.* 16(3):9-12. Ref. May/June 1964. 41.8 G29  
Use of Flumethazone.
- 104008 MCCUITION, W. R. Things old and new about hard pad. *Vet. Med.* 58(8):664-668. Aug.1963. 41.8 M69  
Dogs.
- 104009 MCCULLY, R. M., and KRANER, K. L. Subcutaneous translocation of the dog kidney. *Amer. J. Vet. Res.* 25(107):1308-1310. July 1964. 41.8 Am3A
- 104010 MCMURRY, T. S. Chicken tag necessitates surgery for a Dachshund. *Vet. Med./Small Anim. Clin.* 59(6):580-581. June 1964. 41.8 M69
- 104011 MANTOVANI, A. The development of aid to small animals as a new source of activity of the independent professional veterinarian. (It) *Nuovo Prog. Vet.* 19(9):365-366. May 15,1964. 41.8 P942  
Chiefly dogs and cats.
- 104012 MARCATO, P. S. Cutaneous rhabdomyoblastoma of dog. (It) *Acta Med. Vet.* 9(3/4):263-276. Ref. May/Aug.1963. 41.8 Ac84  
English summary.
- 104013 MASON, J. H. Tetanus in the dog and cat; a review with comments. *So. African Vet. Med. Assoc. J.* 35(2):209-213. Ref. June 1964. 41.8 So8
- 104014 MILLEMANN, R. E., GEBHARDT, G. A., and KNAPP, S. E. "Salmon poisoning" disease. I. Infection in a dog from marine salmonids. *J. Parasitol.* 50(4):588-589. Aug.1964. 448.8 J824
- 104015 MODERN VETERINARY PRACTICE. Therapeutic experiences—our panel reports on: Have you observed any undesirable side-effects associated with the administration of corticosteroids to dogs? If so, what were they and under what circumstances did they occur? *Mod. Vet. Pract.* 45(10):71,74,76. Sept.1964. 41.8 N812
- 104016 MODERN VETERINARY PRACTICE. Therapeutic experiences—our panel reports on: What precautions do you take routinely to prevent the transmission of infections among cats admitted to your hospital? *Mod. Vet. Pract.* 45(8):52-54, 56. July 1964. 41.8 N812
- 104017 MOORE, S. J., GAY, W. I., and PENNEY, B. E. A self-contained fluid administration pack for dogs. *Lab. Anim. Care* 14(1):33-36. Feb.1964. 410.9 P94  
Parenteral fluids.
- 104018 MORGANTINI, F. Congenital dislocation of the patella in the dog. (It) *Pisa. U. degli Studi. Facol. di Med. Vet. Ann.* 16:115-129. Ref. 1963, pub.1964. 41.9 P67  
English summary.
- 104019 NAVA, A. Singular localization of *Diocetophyma renale* in the ovarian sac of a bitch. (It) *Veterinaria [Milano]* 13(2):109-110. Mar./Apr. 1964. 41.8 V6499
- 104020 NYTCH, T. F. Clinical observations on the preanesthetic use of oxymorphone and its antagonist, N-allyl-noroxymorphone, in dogs. *Amer. Vet. Med. Assoc. J.* 145(2):127-131. Ref. July 15,1964. 41.8 Am3
- 104021 OBEL, A. L., NICANDER, L., and ASHEIM, A. Light and electron microscopical studies of the renal lesion in dogs with pyometra. *Acta Vet. Scand.* 5(2):146-178. 1964. 41.8 Ac87
- 104022 OLIN, F. H. Status thymicolymphaticus in a dog? *Vet. Med./Small Anim. Clin.* 59(3):258. Mar.1964. 41.8 M69  
Case report.
- 104023 PAN, I., and others. Toxoplasmosis in domestic animals: canine toxoplasmosis associated with distemper. *Acad. Sinica. Inst. Zool. E.* 2 (1):19-29. Ref. June 1963. 410.9 Ac1  
H. C. Chen, C. S. Lee, I. J. Pan, and C. T. Wang, joint authors.
- 104024 PATTERSON, D. F. Clinical and epidemiologic studies of congenital heart disease in the dog. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:128-135. Ref. 1963. 41.9 Un3
- 104025 PEARSON, P. T. Implant surgery for correcting medial patellar luxations in the dog. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.: 105. 1963. 41.9 Un3
- 104026 PETROVICKY, P., and GROFOVA, I. The cytoarchitecture of the formatio reticularis pontis of the dog. (Cz) *Ceskoslov. Morf.* 11(4): 341-348. Ref. 1963. 444.8 C33  
English summary.
- 104027 PISANI, F. The dog cholesterolemia with relation to age. (It) *Pisa. U. degli Studi. Facol. di Med. Vet. Ann.* 16:206-214. Ref. 1963, pub. 1964. 41.9 P67  
English summary.
- 104028 RABINOWITZ, J. L., BANKS, W. C., and GREENBERY, C. M. Confirmation of a new, rapid, reliable test of thyroid function in dogs. *Amer. J. Vet. Res.* 25(107):1314-1316. July 1964. 41.8 Am3A
- 104029 RAMIREZ, H. V., and others. Mastocytoma with multiple metastases in dogs. (Por) *Minas Gerais. U. Esc. de Vet. Arq.* 14:219-229. Ref. 1962. 41.9 M662  
E. A. Vasconez L., A. V. Machado, and J. M. L. da Silva, joint authors.  
English summary.
- 104030 REES, H. G. A case of pneumothorax in a dog. *New Zeal. Vet. J.* 12(2):36-37. Apr.1964. 41.8 N483
- 104031 RONNEBERGER, H. Hemostasis in small animal practice with tabotamp. (Ge) *Deut. Tierarztl. Wchnschr.* 69(20):598-599. Oct.15,1962. 41.8 D482  
English summary.  
Dogs and cats.
- 104032 SACHS, M. Amputation of the hind limb of a dog at the stifle joint. *Refuah Vet.* 20(4):243. Dec.1963. 41.8 R25
- 104033 SALERNO, G. About two cases of torsion of the stomach associated with bilateral pneumothorax in the dog. (It) *Pisa. U. degli Studi. Facol. di Med. Vet. Ann.* 16:83-94. Ref. 1963, pub.1964. 41.9 P67
- 104034 SALERNO, G., and PUNTONI, P. The treatment of the epiphyseal fractures of humerus in the dog. (It) *Pisa. U. degli Studi. Facol. di Med. Vet. Ann.* 16:95-114. Ref. 1963, pub.1964. 41.9 P67  
English summary.
- 104035 SALUTINI, E. Respiratory arrhythmia and sinuatrial block in the dog. (It) *Pisa. U. degli Studi. Facol. di Med. Vet. Ann.* 16:194-205. 1963, pub.1964. 41.9 P67  
English summary.
- 104036 SCHALM, O. W., and HUGHES, J. P. Some observations on physiologic leukocytosis in the cat and horse. *Calif. Vet.* 18(4):30-32. July/Aug.1964. 41.8 C12
- 104037 SCHAUFFLER, A. F. Use of malucidin to abort a Labrador bitch. *Mod. Vet. Pract.* 45(7):72-73. June 1964. 41.8 N812
- 104038 SCHNELLE, G. B. Radiography of the canine intervertebral disc. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:164-167. 1963. 41.9 Un3
- 104039 SCHUTTE, A. P. Eosinophilic index as diagnostic aid in reproductive failure of the bitch. (Af) *So. African Vet. Med. Assoc. J.* 35(2):235-238. Ref. June 1964. 41.8 So8  
English summary.
- 104040 SHARMA, H. N. Uterine torsion in a cat. *Indian Vet. J.* 41(6):424-425. June 1964. 41.8 In2
- 104041 SIMON, J., SMALL, E., and JAESCHKE, W. Hodgkin's disease in a dog. *Amer. Vet. Med. Assoc. J.* 145(3):231-233. Ref. Aug.1,1964. 41.8 Am3

- 104042 SMALL, E., OLSEN, R., and FRITZ, T. The canine pancreas. *Vet. Med./Small Anim. Clin.* 59(6):627-642. Ref. June 1964. 41.8 M69
- 104043 SOIFER, F. K. Amputation of the tails of cats and dogs in the sacrococcygeal region. *Amer. Vet. Med. Assoc. J.* 145(5):464-465. Sept. 1, 1964. 41.8 Am3
- 104044 SOMA, L. R. Circulatory changes during thoracotomy and positive pressure ventilation. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:136-139. Ref. 1963. 41.9 Un3 Dogs.
- 104045 SOVA, Z., and KOMAREK, J. Some new information on the so-called lymphadenosis with leucocyte blood picture of dog. (Ge) *Prakt. Tierarzt* 45(7):299-301. Ref. (Concl.) July 1, 1964. 41.8 P882
- 104046 SZEKY, A., CSONTOS, L., and FLORIAN, E. A case of general cryptococcosis in dog. (Ge) *Acta Vet. [Budapest]* 14(1):127-138. Ref. 1964. 41.8 Ac83
- 104047 TASHJIAN, R. J., and others. Feline cardiovascular studies—a preliminary report. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.: 112-123. 1963. 41.9 Un3  
R. R. Pensinger, K. M. Das, C. F. Reid, and A. A. Crescenzi, joint authors.
- 104048 TEUNISSEN, G. H. B. Hydrops ascites in the dog. (Du) *Tijdschr. v. Diergeneesk.* 89(14): 1011-1020. July 15, 1964. 41.8 T431 English summary.
- 104049 THOMAS, E. D., BAKER, J. A., and FERREBEE, J. W. The effect of methotrexate on the production of antibodies against attenuated distemper virus in the dog. *J. Immunol.* 90(2):324-328. Ref. Feb. 1963. 448.8 J8232
- 104050 TOBIAS, G. Congenital porphyria in a cat. *Amer. Vet. Med. Assoc. J.* 145(5):462-463. Ref. Sept. 1, 1964. 41.8 Am3
- 104051 VASALLE, M., and others. Effects of potassium on automaticity and conduction of canine hearts. *Amer. J. Physiol.* 207(2):334-340. Ref. Aug. 1964. 447.8 Am3  
K. Greenspan, S. Jomain, and B. F. Hoffman, joint authors.  
Electrocardiogram.
- 104052 WELTER, C. J., and JOHNSON, D. R. Anthelmintic activity of N-butyl chloride and toluene combinations in dogs and cats. *Vet. Med.* 58 (11):869-872. Nov. 1963. 41.8 M69
- 104053 WILLIAMS, R. D. B., and CAMPBELL, D. R. A method for investigating the contents of the subarachnoid space in the dog. *Amer. J. Vet. Res.* 25(107):1305-1307. July 1964. 41.8 Am3A
- 104054 WILSON, F. D. Surgery for leiomyoma in the vagina of a bitch. *Indian Vet. J.* 41(4):294-295. Apr. 1964. 41.8 In2
- 104055 YODER, J. T., and STARCH, C. J. Devocalization of dogs by laryngofissure and dissection of the thyroarytenoid folds. *Amer. Vet. Med. Assoc. J.* 145(4):325-330. Ref. Aug. 15, 1964. 41.8 Am3

#### Miscellaneous

- 104056 ALVAREZ, T. Remains of mammals found in a cave at Valle Nacional, Oaxaca, Mexico. (Sp) *Rev. de Biol. Trop.* 11(1):57-61. July 1963. 442.8 R328  
English summary.  
Includes *Canis latrans*.
- 104057 FQX, M. W. Maternal aggression in the dog. *Vet. Rec.* 76(27):754. July 4, 1964. 41.8 V641
- 104058 MCKELVIE, D. H., and SHULTZ, F. T. Methods of observing and recording data in long-term studies on Beagles. *Lab. Anim. Care* 14 (2):118-124. Apr. 1964. 410.9 P94
- 104059 UNDERWOOD, P. C., and DURBIN, C. G. Beagles for pharmacological studies. *Lab. Anim. Care* 13(4,pt.1):525-529. Aug. 1963. 410.9 P94

#### FUR ANIMALS—PEN RAISED

##### Breeds and Breeding

- 104060 CANADA MINK BREEDERS. CMB annual report. *Fur Trade J. Canada* 41(9):3-4, 20-21. (Cont.) May 1964. 410 F965

##### Feeds and Feeding

- 104061 JORGENSEN, G. Can we with good results relieve the feed situation through the use of dried feed to a certain extent? (Da) *Dansk Pelsdyravl* 27(7):379-382. July 20, 1964. 412.628 D23  
Mink feeding.
- 104062 KLINE, A. We made the no-hay diet work for us. *Chinchilla Fur Farming Ser.*, July 1964: 20-22. In *Natl. Chinchilla Breeder* 20(7). July 1964. 412.628 N21
- 104063 LEOSCHKE, W. L. Nutrition, management of mink demand prime attention of ranchers. *U. S. Fur Rancher* 43(8):8, 24. Sept. 1964. 412.629 Am3M
- 104064 OLDFIELD, J. E., STOUT, F. M., and ADAIR, J. Mineral and vitamin sources for mink. *Fur Trade J. Canada* 41(9):10-11. Ref. May 1964. 410 F965
- 104065 RIMESLATTEN, H., and AAM, A. Experiments with varying amounts of protein, fat and carbohydrates in feed for Blue fox kits 1955/56 and 1961/62/63. (Da) *Norsk Pelsdyrbl.* 38(13/14): 335-344. July 5, 1964. 412.628 N812
- 104066 WHITE, M. C. Bringing the Wisconsin diet up to date. *Chinchilla Fur Farming Ser.*, July 1964:19-20. In *Natl. Chinchilla Breeder* 20(7). July 1964. 412.628 N21  
Especially vitamins.
- 104067 WOOD, A. J. The protein requirements of the Mink. *Fur Trade J. Canada* 41(9):8-9, 22. May 1964. 410 F965  
Amino acid composition of proteins.

##### Veterinary Medicine

- 104068 CSIKVARY, L. Preventive measures in diseases of fur-bearing animals of Hungary. (Ge) *Deut. Pelztierzucht.* 38(3):41-44. June 1, 1964. 412.628 D48
- 104069 GERSHBEIN, L. L., and SPENCER, K. L. Clinical chemical studies in Aleutian disease of mink. *Canad. J. Compar. Med. & Vet. Sci.* 28 (1):8-12. Ref. Jan. 1964. 41.8 C162
- 104070 GUNN, C. K. Experimental control of wet belly disease. *Amer. Fur Breeder* 37(7):14, 34. July 1964. 410 Am33  
Mink.
- 104071 HARTSOUGH, G. R. Salt loss causes nursing sickness. *Fur Trade J. Canada* 41(9):5. May 1964. 410 F965  
Minks.
- 104072 KARSTAD, L., BUDD, J., and BERRY, T. J. Plasmacytoma with amyloidosis in a nutria; a case report. *Canad. J. Compar. Med. & Vet. Sci.* 28(7):176-177. July 1964. 41.8 C162
- 104073 KARSTAD, L. Viral plasmacytosis (Aleutian disease) in mink. IV. Cytoplasmic glycoprotein inclusions and their differentiation from the viral inclusions of distemper. *Canad. J. Compar. Med. & Vet. Sci.* 28(6):143-147. Ref. June 1964. 41.8 C162
- 104074 PORTER, D. D., and LARSEN, A. E. Statistical survey of Aleutian disease in ranch mink. *Amer. J. Vet. Res.* 25(107):1226-1229. July 1964. 41.8 Am3A
- 104075 RUSSELL, J. D., BENNETT, J. M., and HANCOCK, B. B. The etiology and diagnosis of Aleutian disease in mink. *Lab. Anim. Care* 13 (6):784-789. Dec. 1963. 410.9 P94



- 104076 SAISON, R. The blood groups of mink. II. J. Immunol. 93(1):20-23. Ref. July 1964. 448.8 J8232
- 104077 WILSON, E. D., and HATHAWAY, R. R. Antibody production by *Myocastor coypus*. Tex. J. Sci. 15(2):236-238. June 1963. 470 T31
- 104078 ZHAROV, A. V., and SLUGIN, V. S. Alimentary anemia of minks. (Rus) Veterinariya 4:78-79. Apr. 1964. 41.8 V6426

#### Miscellaneous

- 104079 CANADA, DEPT. OF AGRICULTURE. LIVE-STOCK DIV. FUR SECT. The Canadian fur industry. Canada. Dept. Agr. P. 1201, 14 p. 1964. 7 C16Pu
- 104080 CLARKE, J. D. W. The need for research in chinchillas. Fur Trade J. Canada 41(9):14-15. (Cont.) May 1964. 410 F965
- 104081 IRONMAN, R. An experimental farm for research on mink. New Sci. 23(402):268-269. July 30, 1964. 472 N42
- Diet, health, and mating habits research in Denmark.

### HORSES AND MULES

#### Breeds and Breeding

- 104082 BICKNELL, J. S. Corette Scottish Chieftain Breeders Association formed. West. Horseman 29(8):33,82-83. Aug. 1964. 42.8 W522
- Association to promote Pony of America.
- 104083 COLOMBANI, B. On a case of total albinism in a donkey of Sardinian race. (It) Pisa. U. degli Studi. Facol. di Med. Vet. Ann. 16:76-82. Ref. 1963, pub. 1964. 41.9 P67
- English summary.
- 104084 DU PLESSIS, J. L. Some observations and data in Thoroughbred breeding. So. African Vet. Med. Assoc. J. 35(2):215-221. June 1964. 41.8 So8
- Reproductive disturbances, chiefly.
- 104085 GOODALL, D. M. British native ponies. London, Country Life, 1963. 111 p. 42 G61B
- 104086 KNUDSEN, O. Partial dilatation of the uterus as a cause of sterility in the mare. Cornell Vet. 54(3):423-438. July 1964. 41 8 C81
- 104087 LOCKRIDGE, W. W. Unsoundness hampers race horse breeders. Cattleman 51(3):43,46, 48,52. Aug. 1964. 49 C29
- 104088 SAMVIRKENDE DANSKE HUSMANDSFORENINGER. UDVALG FOR STAMBOGSFORING FOR HESTE AF FJORDRACEN. Stambog over heste af fjordracen [Studbook of horses of the Fjord breed]. XII. Aarhus, 1963. 282 p. 42.9 Sa42S
- 104089 STEFFEN, R. Judging Quarter Horse conformation. 1-2. Horse Lover's Mag. 29(3):12-16, 30-34. Oct./Nov. 1963. 42.8 H7852
- 104090 STUD book francais: naissances des produits de Pur-Sang Anglais et des produits de Pur-Sang inscrits sur la liste A en 1963 [French stud book; births of English Thoroughbreds and of Thoroughbreds inscribed in list A in 1963], volume 32, suppl. 2. Paris, 1964. 192 p. 42.9 F843
- 104091 SWEDEN. LANTBRUKSSTYRELSEN. Den med statsmedel understodda hastpremieringen m. m. under ar 1963 [Government supported awards for horses, etc., during the year 1963]. Sweden. Lantbrstyr. Meddel. Ser. B, Lantbravd. 50, 122 p. 1964. 11 Sw3Me
- Stallions.
- 104092 WUSSOW, W. Measures for planned reproduction and qualitative improvement of horse stocks. (Ge) Tierzucht 18(4):199-202. Apr. 1964. 49 T443

#### Feeds and Feeding

- 104093 LUTSKII, YA. Z., and RUBTSOV, I. K. Grass meal abounds in vitamins. (Rus) Zemledelie 12:31-34. Dec. 1963. 20 Z44

- 104094 RATLIFF, F. D., KING, R. K., and REYNOLDS, J. B. The effect of urea in rations for horses. Vet. Med. 58(12):945-946. Dec. 1963. 41.8 M69

#### Veterinary Medicine

- 104095 ADAMS, O. R. An improved method of diagnosis and castration of cryptorchid horses. Amer. Vet. Med. Assoc. J. 145(5):439-446. Ref. Sept. 1, 1964. 41.8 Am3
- 104096 ALEXANDER, F. Digestion in the horse. In Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p. 259-268. Ref. 1963. 389.7 C97P
- 104097 ASHEIM, A. Surgical treatment of tendon injuries in the horse. Amer. Vet. Med. Assoc. J. 145(5):447-451. Sept. 1, 1964. 41.8 Am3
- 104098 BEEMAN, G. M. Equine dentistry. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:77-80. 1963. 41.9 Un3
- 104099 BENAZET, P., and others. Telemetric study of the electrocardiogram of the race horse. (Fr) Rec. de Med. Vet. 140(6):449-459. Ref. June 1964. 41.8 R24
- R. Bordet, A. Brion, M. Fontaine, and J. Sevestre, joint authors.
- English summary.
- Radiosonde.
- 104100 COLLINS, S. M. A study of the incidence of cervical and uterine infection in Thoroughbred mares in Ireland. Vet. Rec. 76(25):673-676. June 20, 1964. 41.8 V641
- 104101 COOPERRIDER, D. E. Equine piroplasmosis in Florida. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:70-72. 1963. 41.9 Un3
- 104102 DELAHANTY, D. D. Median patellar desmotomy in a pony. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:81. 1963. 41.9 Un3
- 104103 DUSEK, J. Growth zones for the judging of halfblood foals. (Cz) Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba 36(12):747-760. Ref. Dec. 1963. 49.9 C33
- German summary.
- 104104 FLEMING, R. D. Human virus vaccine effective against equine influenza. Vet. Med. 58(11):893. Nov. 1963. 41.8 M69
- 104105 GABEL, A. A., HAMLIN, R., and SMITH, C. R. Effects of promazine and chloral hydrate on the cardiovascular system of the horse. Amer. J. Vet. Res. 25(107):1151-1158. Ref. July 1964. 41.8 Am3A
- 104106 HAMLIN, R. L., SMETZER, D. L., and SMITH, C. R. Analysis of QRS complex recorded through a semiorthogonal lead system in the horse. Amer. J. Physiol. 207(2):325-333. Ref. Aug. 1964. 447.8 Am3
- Electrocardiogram.
- 104107 HUEBNER, R. A., EDENS, J. D., and MORTON, J. D. Promazine hydrochloride (pelletized in alfalfa) in large animals. Vet. Med. 58(11):883-885. Ref. Nov. 1963. 41.8 M69
- As a sedative for horses and cattle.
- 104108 HULL, R. A. In-the-field surgical correction of equine impaction. Vet. Med./Small Anim. Clin. 59(6):579-580. June 1964. 41.8 M69
- Intestinal impaction.
- 104109 KHRISCHEV, G. Appearance, distribution and eradication of dourine in Bulgaria. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zrazni Parazitni Bolesti. Izv. 7:149-160, map. Ref. 1963. 41.9 So2
- English summary.
- 104110 KNUDSEN, O. Endometrial cytology as a diagnostic aid in mares. Cornell Vet. 54(3):415-422. July 1964. 41.8 C81
- Uterine diseases.
- 104111 LAMI, GY. Study of liver function of dextran treated horses. (Ge) Acta Vet. [Budapest] 14(1):113-116. Ref. 1964. 41.8 Ac83
- 104112 LAYTON, E. W. A teaching aid for foot trimming. Cornell Vet. 54(3):394-398. July 1964. 41.8 C81
- Feet of horses.

- 104113 LEVINE, N. D., and SZANTO, J. Screening tests of carbamates and [di] thiocarbamates as potential nematocides. *Amer. J. Vet. Res.* 25 (107):1281-1284. Ref. July 1964. 41.8 Am3A  
Tested against horse strongyle larvae.
- 104114 LOHMEYER, C., and BRIGHTENBECK, G. E. Field management of strongyle infestation of horses. *Vet. Med./Small Anim. Clin.* 59(6): 602-605. Ref. June 1964. 41.8 M69  
Use of thiabendazole.
- 104115 MACKAY-SMITH, M. P. Management of fracture and luxation of the femoral head in two ponies. *Amer. Vet. Med. Assoc. J.* 145(3): 248-251. Aug. 1, 1964. 41.8 Am3
- 104116 MACKAY-SMITH, M. P., and RAKER, C. W. Mechanical defects of the equine stifle—diagnosis and treatment. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:82-85. 1963. 41.9 Un3
- 104117 MARCILESE, N. A., and others. Normal blood volumes in the horse. *Amer. J. Physiol.* 207(1): 223-227. Ref. July 1964. 447.8 Am3  
R. M. Valsecchi, H. D. Figueiras, H. R. Camberos, and J. E. Varela, joint authors.
- 104118 MARIANI, A. P. Researches on xanthurenic acid content in urine of stallions and castrated horses. (It) *Pisa. U. degli Studi. Facol. di Med. Vet. Ann.* 16:21-25. Ref. 1963, pub. 1964. 41.9 P67  
English summary.
- 104119 MILLER, W. C., and MOSS, M. S. The analyst versus the horse-doper. *New Sci.* 21(383):737-738. Mar. 19, 1964. 472 N42
- 104120 MODERN VETERINARY PRACTICE. Therapeutic experiences—our panel reports on: What are your criteria for diagnosing heaves in horses? What is your usual prognosis? *Mod. Vet. Pract.* 45(7):54-56. June 1964. 41.8 N812
- 104121 MYERS, D. D., SIMON, J., and CASE, M. T. Rhinosporidiosis in a horse. *Amer. Vet. Med. Assoc. J.* 145(4):345-347. Aug. 15, 1964. 41.8 Am3
- 104122 NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF ANIMAL INDUSTRY. Skin diseases of horses. *Agr. Gaz. N. S. Wales* 75(4): 969-972. Apr. 1964. 23 N472
- 104123 NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF ANIMAL INDUSTRY. Strangles in horses. *Agr. Gaz. N. S. Wales* 75(7):1167-1168. July 1964. 23 N472
- 104124 NORTHWAY, R. B. Successful recovery after jugular severance. *Vet. Med./Small Anim. Clin.* 59(3):323-324. Mar. 1964. 41.8 M69  
Wound of a horse.
- 104125 PALMER, J. S., and others. Normal cholinesterase activity of the whole blood of the horse and Angora goat. *Vet. Med.* 58(11):885-886. Nov. 1963. 41.8 M69  
J. B. Jackson, R. L. Younger, L. M. Hunt, J. W. Danz, and B. W. Wunderlich, joint authors.
- 104126 PATTERSON, A. W. Ovulation in the brood mare. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:73-76. 1963. 41.9 Un3
- 104127 PETERS, J. A. J. M. Tetany in a Nordic Fjorden-horse. (Du) *Tijdschr. v. Diergeneesk.* 89 (14):1021. July 15, 1964. 41.8 T431  
English summary.
- 104128 PRICE, E. R., and SOOTER, C. A. Note on a survey for equine encephalitis (eastern Kansas—1949). *Vet. Med.* 58(12):951. Dec. 1963. 41.8 M69
- 104129 QUIN, A. H. Equine practice notes. *Vet. Med.* 58(12):942-944. Dec. 1963. 41.8 M69
- 104130 ROBERTS, D. Wound management in ranch horses. *Vet. Med.* 58(12):939-941. Dec. 1963. 41.8 M69
- 104131 ROTHENBACHER, H., and NELSON, L. W. A case of equine infectious anemia. *Vet. Med.* 58(11):887-890. Nov. 1963. 41.8 M69
- 104132 ROTHENBACHER, H., and RILEY, W. F. Ileal intussusception into the cecum in a Shetland mare. *Vet. Med.* 58(7):586-588. Ref. July 1963. 41.8 M69
- 104133 ROTHENBACHER, H. J., and TUFTS, S. Coronary arteriosclerosis in a horse. *Amer. Vet. Med. Assoc. J.* 145(2):132-138. Ref. July 15, 1964. 41.8 Am3
- 104134 RUDIKOV, N. I. Methods of diagnosis of rabies and infectious encephalomyelitis of horses. (Rus) *Veterinariya* 4:14-16. Apr. 1964. 41.8 V6426
- 104135 SALIBA, A. M., SOERENSEN, B., and VEIGA, J. S. M. Sporotrichosis in mules. (Por) *Biologico* 29(10):209-212. Ref. Oct. 1963. 442.8 B529  
English summary.  
*Sporotrichum schenckii*.
- 104136 SHEHATA, R. Medullary tubes in the ovary of the camel and other mammals. *Vet. Rec.* 76 (27):750-753. July 4, 1964. 41.8 V641
- 104137 STOIMENOV, K. Studies on the seasonal dynamics, the extensive and intensive infestation by microsetaria of the blood of horses in the District of Kolarovgrad. (Bu) *Akad. Selskostonpanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 7:195-199. 1963. 41.9 So2  
English summary.
- 104138 STORMONT, C., SUZUKI, Y., and RHODE, E. A. Serology of horse blood groups. *Cornell Vet.* 54(3):439-452. Ref. July 1964. 41.8 C81
- 104139 TAMARIN, R. Identification of *C. botulinum* type C intoxication in a mule. *Refuah Vet.* 20 (4):231. Dec. 1963. 41.8 R25
- 104140 TRITSCHLER, L. G. Septic aneurysm and thrombus with severe lymphatic involvement in a Pinto pony mare; necropsy findings. *Vet. Med./Small Anim. Clin.* 59(6):601. June 1964. 41.8 M69
- 104141 VAUGHAN, J. T. Radial fracture in a horse. *Auburn Vet.* 20(3):129-131. Spring 1964. 41.8 Aul
- 104142 WHEAT, J. D. Fractures of the trochlea of the tibiotarsal bone in the horse. *Amer. Vet. Med. Ass. Sci. Proc.*, 100th Annu. Mtg.:86-87. 1963. 41.9 Un3
- 104143 WHEAT, J. D., and RHODE, E. A. Luxation and fracture of the hock of the horse. *Amer. Vet. Med. Assoc. J.* 145(4):341-344. Aug. 15, 1964. 41.8 Am3
- 104144 WILLIAMS, R. J., and SEATMAN, G. K. On the transmission, biology and morphology of *Echinococcus granulosus equinus*, a new subspecies of hydatid tapeworm in horses in Great Britain. *Parasitology* 53(3/4):391-407. Ref. Nov. 1963. 448.8 P21
- 104145 YANEV, E., SUMROV, I., and DZHANKOV, I. Study of the complement fixation test in the diagnosis of leptospirosis. (Bu) *Akad. Selskostonpanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 7:111-121. Ref. 1963. 41.9 So2  
English summary.  
Cattle, swine and horses.

#### Miscellaneous

- 104146 HARE, J. Pros and cons of owning a horse. *Org. Gard. & Farming* 11(9):50-52, 54-56. Sept. 1964. 57.8 Or32  
Care and cost.
- 104147 LOFORS, J. Is identity marking of horses coming. (Sw) *Skand. Kreatursforsakringsbol. Manadsbl.* 42(1/2):15-16. 1964. 49.9 Sk1
- 104148 LORENZ, H. Labor and management economy results and problems in the use and temporary unemployment of horses in large farms. (Ge) *Tierzucht* 18(6):303-308. June 1964. 49 T443

#### LABORATORY ANIMALS, SMALL

##### Breeds and Breeding

- 104149 BAKELS, F. Investigations on daughters of male albino mice in two feeding groups; (a contribution to the problem of genotype-environment interaction). (Ge) *Munich. U. Inst. f. Tierzucht, Vererb.-u. Konstitutionsforsch. Arb.* 5:1-32. Ref. 1963. 49.9 M92  
English summary.



- 104150 FERM, V. H., and KILHAM, L. Congenital anomalies induced in hamster embryos with H-1 virus. *Science* 145(3631):510-511. Ref. July 31, 1964. 470 Sci2
- 104151 MEYER, R. K., and NUTTING, E. F. Effect of combinations of progesterone and oestrone on the delay of nidation, implantation and foetal survival in ovariectomized rats. *J. Endocrinol.* 29(3):243-249. Ref. June 1964. 448.8 J8293
- 104152 NUTTING, E. F., and MEYER, R. K. Effect of oestrone on the delay of nidation, implantation and foetal survival in ovariectomized rats. *J. Endocrinol.* 29(3):235-242. Ref. June 1964. 448.8 J8293
- 104153 YU, C. K., and SINCLAIR, W. K. Polyploidy induced by X-rays in Chinese hamster cells in vitro. *Science* 145(3631):508-510. July 31, 1964. 470 Sci2

#### Feeds and Feeding

- 104154 DEAN, D. J., and DUELL, C. Dietary studies in mice. *Lab. Anim. Care* 13(3,pt.1):186-190. June 1963. 410.9 P94
- 104155 DEAN, D. J., and DUELL, C. Diets without green food for guinea pigs. *Lab. Anim. Care* 13(3,pt.1):191-196. June 1963. 410.9 P94
- 104156 NAKAYA, T., and NAKAMURA, R. Studies on the feeding effect of rapeseed oilmeal. IV-V. (Ja) *Jap. J. Zootech. Sci.* 34(5):319-327. Ref. Oct. 1963. 49 N62  
English summaries.  
Effect on rats studied.
- 104157 REED, S. A. Some nutritional aspects of cod liver oil. *L. J. Sci. Food & Agr.* 15(6):399-407. Ref. June 1964. 382 So12  
Tests with rats.
- 104158 RERAT, A., and HENRY, Y. The voluntary energy consumption of the growing rat in relation to the quantity and quality of protein in the diet. (Fr) *Ann. de Biol. Anim. Biochim. Biophys.* 3(3):263-298. Ref. 1963. 442.8 An75  
English summary.
- 104159 SHERMAN, H. Comparative profiles of various strains of rats used in long-term feeding studies. *Lab. Anim. Care* 13(6):793-807. Dec. 1963. 410.9 P94

#### Veterinary Medicine

- 104160 ARAUJO, P. A case of ectopic abdominal pregnancy in guinea pig. *Lab. Anim. Care* 14(1):1-5. Ref. Feb. 1964. 410.9 P94
- 104161 BATTLES, D. E., LONGERBEAM, J. K., and LILLEHEI, R. C. The operation of an efficient surgical research laboratory. *Lab. Anim. Care* 13(4,pt.1):502-511. Aug. 1963. 410.9 P94
- 104162 BENNETT, F. W., CARMON, J. L., and FOSTER, J. W. Persistence of active lactic streptococcal bacteriophage in intravenously inoculated mice. *J. Dairy Sci.* 47(8):836-839. Ref. Aug. 1964. 44.8 J822
- 104163 BESSUDO, D., and WILSON, J. B. Relationship between virulence, invasiveness and intracellular growth in *Brucella abortus*. (Sp) *Rev. Latinoamer. de Microbiol.* 5(3):135-148. Ref. Sept. 1962. 448.8 R32  
English summary.  
In guinea pig.
- 104164 BYUNG-RYUL CHO. Toxicity of water extracts of scabby barley to suckling mice. *Amer. J. Vet. Res.* 25(107):1267-1270. Ref. July 1964. 41.8 Am3A
- 104165 CAMPBELL, W. C., and CUCKLER, A. C. Effect of thiabendazole upon the enteral and par-enteral phases of trichinosis in mice. *J. Parasitol.* 50(4):481-488. Aug. 1964. 448.8 J824
- 104166 CASAROSA, L., FAVATI, V., and MACCHIONI, G. Research on the resistance of guinea pigs to reinfestation with embryonated eggs of *Neospora vitulorum* induced by preventive treatment of the embryonated eggs with 100,000 r doses of Co60. (It) *Zooprofilassi* 19(5):241-251. Ref. May 1964. 41.8 Z72  
English summary, p.284.

- 104167 FLORIO, R. Teratogenic substances and tribulations of the toxicologist. (Fr) *Encyc. Vet. Period.* 21(4):218-226, 228-240. May 1964. 41.8 En1  
Includes effects on laboratory animals.
- 104168 FLYNN, R. J., GRECO, I. L., and JINKINS, P. B. A disease of mice characterized by lung congestion. *Lab. Anim. Care* 13(4,pt.1):499-501. Aug. 1963. 410.9 P94
- 104169 FOLLETT, B. K., and BENTLEY, P. J. The bioassay of oxytocin: increased sensitivity of the rat uterus in response to serial injections of stilboestrol. *J. Endocrinol.* 29(3):277-282. Ref. June 1964. 448.8 J8293
- 104170 GALLOWAY, J. H., GLOVER, D., and FOX, W. C. Relationship of diet and age to metastatic calcification in guinea pigs. *Lab. Anim. Care* 14(1):6-12. Ref. Feb. 1964. 410.9 P94
- 104171 GAY, W. I. The laboratory animal as a veterinary patient. *Auburn Vet.* 20(3):103-105, 131-132. Spring 1964. 41.8 Au1
- 104172 HAGEN, E. O., and HAGEN, J. M. A method of inhalation anesthesia for laboratory mice. *Lab. Anim. Care* 14(1):13-15. Feb. 1964. 410.9 P94
- 104173 HEBB, C. O., KRNJEVIC, K., and SILVER, A. Acetylcholine and choline acetyltransferase in the diaphragm of the rat. *J. Physiol.* 171(3):504-513. Ref. June 1964. 447.8 J82
- 104174 ISHIGURO, K. Effects of pantethine on the co-enzyme A content of liver and adrenal of mice. (Ja) *Jap. Soc. Food & Nutr. J.* 16(5):14-16. 1964. 389.9 J27  
English summary.
- 104175 JODKOWSKI, H. Studies on the influence of some antibiotics and prednisone in the course of trichinellosis in mice. (Pol) *Wiad. Parazytol.* 9(5):481-486. Ref. 1963. 436.8 W63  
English summary.
- 104176 JUMINER, B., and STEFANOVIC, M. Epidemic of ringworm from *Trichophyton mentagrophytes persicolor* in the guinea pig. (Fr) *Inst. Pasteur de Tunis. Arch.* 40(2):125-128. June 1963. 448.3 In72
- 104177 KANEDA, T., ARAI, K., and TOKUDA, S. The effect of dried mushroom, *Cortinellus shiitake* on cholesterol metabolism in rats. I. (Ja) *Jap. Soc. Food & Nutr. J.* 16(5):106-108. 1964. 389.9 J27  
English summary.
- 104178 KARPIAK, S. E., KOZAR, Z., and KRZYZANOWSKI, M. Changes in the metabolism of the skeletal muscles of guinea pigs caused by the invasion of *Trichinella spiralis*. I. Influence of the invasion on the carbohydrate metabolism of muscles. *Wiad. Parazytol.* 9(5):435-446. Ref. 1963. 436.8 W63
- 104179 KCHOUK, M., and CHADLI, A. Laboratory note on the abortive properties of the common hoarhound (*Marrubium vulgare* L.). (Fr) *Inst. Pasteur de Tunis. Arch.* 40(2):129-132. June 1963. 448.3 In72  
Tested on laboratory animals.
- 104180 KOZAR, Z., and KOZAR, M. The course of experimental trichinellosis in mice; methods of infection and the influence of various invasive doses on the mortality and weight of the animals. *Wiad. Parazytol.* 9(5):403-418. 1963. 436.8 W63
- 104181 KRAFT, L. M., and others. Practical control of diarrheal disease in a commercial mouse colony. *Lab. Anim. Care* 14(1):16-19. Feb. 1964. 410.9 P94  
R. F. Pardy, D. A. Pardy, and H. Zwickel, joint authors.
- 104182 LARSH, J. E., GOULSON, H. T., and WEATHERLY, N. F. Studies on delayed (cellular) hypersensitivity in mice infected with *Trichinella spiralis*. II. Transfer of peritoneal exudate cells. *J. Parasitol.* 50(4):496-498. Aug. 1964. 448.8 J824
- 104183 LEES, P., and LOCKETT, M. F. The influence of hypophysectomy and of adrenalectomy on the urinary changes induced by oxytocin in rats. *J. Physiol.* 171(3):403-410. Ref. June 1964. 447.8 J82

- 104184 LEES, P., LOCKETT, M. F., and ROBERTS, C. N. Some effects of growth hormone on water diuresis in rats. *J. Physiol.* 171(3):397-402. June 1964. 447.8 J82
- 104185 MALHOTRA, O. P., REBER, E. F., and NORTON, H. W. Effects of methionine and estrogen on hemorrhages induced by feeding of irradiated beef. *Cornell Vet.* 54(3):370-382. Ref. July 1964. 41.8 C81  
Tested on rats.
- 104186 MARGARD, W. L., and PETERS, A. C. A study of gnotobiotic mice monocontaminated with salmonella typhimurium. *Lab. Anim. Care* 14(3):200-206. June 1964. 410.9 P94
- 104187 MARTIN, L. Further studies on the use of tetrazolium in the biological assay of oestrogens. *J. Endocrinol.* 30(1):21-31. Ref. Aug. 1964. 448.8 J8293  
In mice.
- 104188 MARTIN, L., and BAGGETT, B. The uptake of locally applied [6-7-<sup>3</sup>H] oestrone by the vagina of the ovariectomized mouse. *J. Endocrinol.* 30(1):41-51. Ref. Aug. 1964. 448.8 J8293
- 104189 MICHEL, G. Formation of spinal nerves of Syrian golden hamsters. (Ge) *Z. f. Versterk.* 3(3/4):91-104. Ref. 1963. 410 Z36  
English summary.
- 104190 MOLLER, A. W. DVM, or pet store? Who will care for "unusual" small animal pets? *Vet. Econ.* 5(6):32-34,36. June 1964. 41.8 V6458  
Includes hamsters.
- 104191 NATAF, B. M., and CHAIKOFF, I. L. The effect of insulin on iodine metabolism of fetal rat thyroid glands in organ culture. *Life Sci.* 3(8):895-898. Aug. 1964. 442.8 L62
- 104192 NEDYALKOV, S., and MARCHEV, N. On the summation of the toxic and antigenic stimulation on tetanus toxin. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti.* Izv. 9:15-18. 1963. 41.9 So2  
English summary.  
Tested on mice.
- 104193 NEWBERNE, P. M. Cardioresenal lesions of potassium depletion or steroid therapy in the rat. *Amer. J. Vet. Res.* 25(10):1256-1266. Ref. July 1964. 41.8 Am3A
- 104194 NILSSON, O. The acriflavine method, a rapid morphological test of the effect of oestrogen on the mouse uterus. *J. Endocrinol.* 30(1):151-152. Aug. 1964. 448.8 J8293
- 104195 NOTRE DAME, INDIANA, UNIVERSITY. LOBUND INSTITUTE. Proceedings of the Third Symposium on Gnotobiotic Technology, June 27-28, 1962, Lobund Institute, edited by B. F. Hill. *Lab. Anim. Care* 13(4,pt.2):565-684. Ref. Aug. 1963. 410.9 P94  
National Research Council, Institute of Laboratory Animal Resources, cooperating.  
Contributions on small laboratory animals, dogs, and swine, by P. C. Trexler, J. R. Pleasants, D. R. Zimmerman, B. S. Wostmann, H. A. Gordon, N. A. Jaworski, C. E. Miller, H. I. Pilgrim, D. B. Thompson, B. J. Skelly, B. F. Hill, C. N. W. Cumming, D. E. J. Baker, H. L. Foster, E. S. Pfau, A. R. Schmidt, R. A. Griesemer, J. P. Gibson, J. Schaffer, J. Ashmore, B. G. Eaton, D. Walcher, R. C. Meyer, E. H. Bohl, R. D. Henthorne, V. L. Tharp, D. E. Baldwin, C. K. Whitehair, G. L. Waxler, A. L. Starkey, W. P. Switzer, and J. L. Calverley.
- 104196 ONEA, O., and others. Research works on the modifications of the alkaline phosphatases of mucopolysaccharides and of deoxyribonucleic acid in the mouse embryo and in the pregnant mouse. (Rum) *Cluj. Inst. Agron. "Dr. Petru Groza."* *Lucrari Sti.* 19:291-302. Ref. 1964. 21 C622  
O. Cracium, A. Cimpianu, and M. Gocan, joint authors.  
English summary.
- 104197 PELLETIER, J. A critical study of ICSH [interstitial cell-stimulating hormone] dosage by ovarian ascorbic acid depletion (Parlow's test). (Fr) *Ann. de Biol. Anim. Biochim. Biophys.* 3(3):307-323. Ref. 1963. 442.8 An75  
English summary.  
On rats.
- 104198 PETERSON, D. L., EDGREN, R. A., and JONES, R. C. Steroid-induced block of ovarian compensatory hypertrophy in hemicastrated female rats. *J. Endocrinol.* 29(3):255-262. Ref. June 1964. 448.8 J8293
- 104199 PORA, E., and others. The effect of progesterone on the metabolism of nucleic acids contained in the thymus and spleen of white rats. (Rum) *Bucharest. Acad. Repub. Pop. Romine. Comun.* 13(11):977-980. Nov. 1963. 512 B8522C  
A. Abraham, V. Toma, and N. Sildan, joint authors.
- 104200 SALAMAN, D. F. Thyrotrophic hormone in the plasma and anterior pituitary of the thyroidectomized rat. *J. Endocrinol.* 29(3):283-291. Ref. June 1964. 448.8 J8293
- 104201 SANDULA, J., KOCKOVA-KRATOCHVILOVA, A., and ZAMECNIKOVA, M. Pathogenicity of races of the species *Candida albicans*. (Cz) *Biologia [Bratislava]* 18(11):843-847. 1963. 442.8 B5265  
German summary.  
Tested on mice.
- 104202 SHAPIRO, I. M., and BARAKINA, N. F. A method of biological dosimetry in mammals. *Internatl. J. Radiation Biol.* 7(3):213-219. Ref. Sept. 1963. 444.8 In8  
X-rays on mice.
- 104203 SHIODA, T. A histological study of the innervation of the thyroid gland in the rat. *Nederland. Akad. van Wetensch. Proc. Ser. C, Biol. & Med. Sci.* 66(5):458-463. Ref. 1963. 442.9 Am8
- 104204 SIMONNET, H. Acetylcholine hypotension in the rat. (Fr) *Acad. Vet. de France. B.* 37(3):137-138. Mar. 1964. 41.9 R24
- 104205 STASTNY, F., SIMON, J., and BRAZDOVA, R. A contribution on the dynamics of reproduction of the fixed virus of rabies in the brains of experimental animals. (Cz) *Ceskoslov. Epidemiol. Mikrobiol. Imunol.* 13(1):1-7. Ref. Jan. 1964. 448.8 C332  
English summary.
- 104206 STEFANSKI, W., and PRZYJALKOWSKI, Z. The influence of certain bacteria on the establishment of trichinae in the digestive tract of the mouse. (Fr) *Acad. Vet. de France. B.* 37(3):131-135. Ref. Mar. 1964. 41.9 R24
- 104207 SUGIMURA, M., and others. Regional differences in the appearance of various cells in the mouse lymph nodes. *Jap. J. Vet. Res.* 11(4):123-134. Ref. Dec. 1963. 41.8 V6446  
K. Takahata, N. Kudo, and K. Furuhata, joint authors.
- 104208 THAL, E., HANKO, E., and KNAPP, W. Intranasal vaccination of guinea pigs with an avirulent strain of *Pasteurella pseudotuberculosis*. (Ge) *Acta Vet. Scand.* 5(2):179-187. Ref. 1964. 41.8 Ac87  
English summary.
- 104209 TUSCANY, R. Contribution to the characteristics of the chromosomal set in somatic cells of the guinea-pig (*Cavia cobaya*). (Cz) *Ceskoslov. Morf.* 11(2):124-130. Ref. 1963. 444.8 C33  
English summary.
- 104210 UEZUMI, N., KASAMA, K., and FUKUDA, S. Effect of starvation on the fatty acid composition of lipides from liver and adipose tissue. (Ja) *Jap. Soc. Food & Nutr. J.* 16(6):1-4. 1964. 389.9 J27  
English summary.  
Rats.
- 104211 WHITE, R. J., and MADIN, S. H. Pathogenesis of murine hepatitis: route of infection and susceptibility of the host. *Amer. J. Vet. Res.* 25(10):1236-1240. Ref. July 1964. 41.8 Am3A
- 104212 WOODWARD, J. M., and others. Cellular immunity of rats to tularemia. *Canad. J. Microbiol.* 10(4):573-577. Ref. Aug. 1964. 448.8 C162  
M. H. Stansberry, W. G. Presswood, and J. B. Fox, joint authors.
- 104213 ZARZYCKI, J. Studies on the distribution and activity of succinic dehydrogenase in muscle tissue during infection with trichinellae. *Wiad. Parazytol.* 9(5):459-464. Ref. 1963. 436.8 W63  
Tests with mice.



- 104214 ZARZYCKI, J., KOZAR, Z., and CZAJKOWSKA, J. Supravital staining of the intestine and muscle tissue during infection with trichinellae. *Wiad. Parazytol.* 9(5):447-451. 1963. 436.8 W63  
Tests with mice.

#### Miscellaneous

- 104215 ANIMAL CARE PANEL. 14th annual meeting, October 1-4, 1963, Los Angeles. *Lab. Anim. Care* 13(4,pt.1):531-568. Aug.1963. 410.9 P94  
Program, abstracts of papers, and exhibitors.
- 104216 CLARK, W. Circular versus linear type colonies. *Lab. Anim. Care* 13(6):765-766. Dec. 1963. 410.9 P94
- 104217 HALEY, T. J. Experimental usefulness of the kangaroo rat. *Lab. Anim. Care* 14(2):95-102. Ref. Apr.1964. 410.9 P94
- 104218 KRUPP, J. H., and QUILLIN, R. A review of the use of the opossum for research—husbandry, experimental techniques and routine health measures. *Lab. Anim. Care* 14(3):189-194. Ref. June 1964. 410.9 P94  
Includes flea and tick control.
- 104219 NATIONAL RESEARCH COUNCIL. INSTITUTE OF LABORATORY ANIMAL RESOURCES. Proceedings of the Symposium on Research Animal Housing, November 16-17, 1962, Washington, D. C., edited by B. F. Hill. *Lab. Anim. Care* 13(3,pt.2):215-467. June 1963. 410.9 P94  
Contributions on construction, design, disease control facilities, etc., by B. J. Cohen, L. Gorsline, G. T. Harrell, W. V. Pipher, W. C. Dolowy, E. V. Barker, O. A. Soave, P. W. Deeble, G. B. Phillips, A. C. Andersen, J. R. Novak, R. J. Flynn, J. H. Alschuler, K. W. Cobb, A. Anthony, J. P. Schaefer, J. A. Gardner, J. R. Livingston, M. C. Larkin, B. F. Trum, F. S. Faust, M. P. Brott, J. A. Holbrook, N. R. Brewer, H. S. Day, and W. I. Gay.
- 104220 REYNIERS, J. A. Controlled environmental facility for maintaining closed animal quarters. *Lab. Anim. Care* 14(2):134-154. Apr.1964. 410.9 P94
- 104221 SIMMS, H. S., BERG, B. N., and SLANETZ, C. A. Uniform and favorable conditions for experimental rats. *Lab. Anim. Care* 13(4,pt.1):517-524. Ref. Aug.1963. 410.9 P94
- 104222 THIESSEN, D. D. Population density and behavior: a review of theoretical and physiological contributions. *Tex. Rpt. Biol. & Med.* 22(2):266-314. Ref. Summer 1964. 448.8 T31  
Chiefly review of work on rats and mice; includes pregnancy in sheep.

#### POULTRY

##### Breeds and Breeding

- 104223 BOGRE, J. Which goose breed to rear? (Hu) *Baromfityesztes* 8(3):10. Mar.1964. 47.8 B262
- 104224 BRANDSCH, H. Problems of specialization in poultry production with special consideration on continuous reproduction of layer hen stands. (Ge) *Tierzucht* 18(4):211-214. Apr.1964. 49 T443
- 104225 CLAYTON, G. A. Some Russian reactions to our turkeys. *Turkeys* 12(7):38-39. July 1964. 47.38 T847  
British influence in Russian turkey breeding.
- 104226 CRAWFORD, R. D., and SMYTH, J. R. Fertility and action of the gene for rose comb in the domestic fowl. *Canad. J. Genet. & Cytol.* 6(3):298-303. Ref. Sept.1964. 443.8 C16
- 104227 DINU, M., and POPA, L. Research concerning the role of DNA for the production of specific equivalent modifications in poultry. (Rum) *Bucharest. Acad. Repub. Pop. Romine. Comun.* 13(12):1079-1088. Ref. Dec.1963. 512 B8522C  
French summary.  
Cytogenetics.

- 104228 EDE, D. A., and KELLY, W. A. Developmental abnormalities in the trunk and limbs of the talpid mutant of the fowl. *J. Embryol. & Expt. Morph.* 12(2):339-356. Ref. June 1964. 442.8 J829
- 104229 ELKNER, A., and SLONIMSKI, P. On the connective tissue of the comb of the adult cock. 21 p. Transl. 14043  
Translation from *Bull. Hist. Appl. Physiol. et Path.* 4:263-278. 1927.
- 104230 FEKETE, L. Meat type hybrid poultry rearing results. (Hu) *Baromfityesztes* 7(11):8-9. Nov.1963. 47.8 B262
- 104231 FINNE, L. Breeding program of Fjaderfaskotarnas Forbund. (Sw) *Honsgarden* 1:31. In *Tidskr. f. Lantman och Andelsfolk* 3. Feb.15, 1964. 20 T43  
Poultry breeding in Finland.
- 104232 HEAD, M. J. Effects of feeding on fertility. *Turkeys Year Book* 12(5):46-47. May 1964. 47.38 T843
- 104233 HOIE, J. On the work at the state control breeding stations for hens. (No) *Tidsskr. f. Fjorfeavl* 81(3):39,41-43. Mar.1964. 47.8 T432
- 104234 HYRE, H. M. Profitable layers. W. Va. Agr. Expt. Sta. B. 494:8. June 1964. 100 W52  
Effects of breeding.
- 104235 ISAILA, T. Some results from crosses between different poultry breeds at the "Drapelul Rosu" collective farm (Salonta, Crishana region). (Rum) *Rev. de Zooteh. si Med. Vet.* 14(4):34-37. Apr.1964. 49 P943
- 104236 KRISHAN, A. Microchromosomes in the spermatogenesis of the domestic turkey. *Expt. Cell Res.* 33(1/2):1-7. Ref. Jan.1964. 442.8 Ex7
- 104237 LOHLE, K., RICHTER, W., and BOHME, G. Study on feathering conditions of White Leghorn and of some crossings from two to four weeks of age. (Ge) *Tierzucht* 18(4):214-216. Apr. 1964. 49 T443
- 104238 L'VOVICH, E. A. State of poultry breeding in Uzbekistan and problems of organization of breeding work at the Mirzachulsk state breeding farm. (Rus) *Uz. Nauch.-Issled. Inst. Zhivotn. Tr.* 7:119-123. 1962. 49.9 Uz12T
- 104239 MAUCH, A. Hybridization methods in poultry breeding. (Rum) *Rev. de Zooteh. si Med. Vet.* 14(4):28-33. Apr.1964. 49 P943
- 104240 MORRIS, R. H. Laying results obtained from White Leghorns at the Central Poultry Farm, Patna, (Bihar) 1961-62. *Indian Poultry Gaz.* 47(2):3-7. July 1963. 47.8 In22
- 104241 NASYROV, R. P. Raising of hybrids of Russian White with Australorp and New Hampshire for meat production. (Rus) *Uz. Nauch.-Issled. Inst. Zhivotn. Tr.* 7:99-109. 1962. 49.9 Uz12T
- 104242 ORBAN, MRS. A. The role of ultraviolet rays in poultry breeding. (Hu) *Baromfityesztes* 8(3):11. Mar.1964. 47.8 B262
- 104243 POOLE, H. K. Egg shell pigmentation in Japanese quail; genetic control of the white egg trail. *J. Hered.* 55(3):136-138. May/June 1964. 442.8 Am3
- 104244 SHABALINA, A. Utility crossing of Leghorn with Faverolles. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Zhivotn. Izv.* 17:71-97. 1963. 49.9 B8721  
German summary.
- 104245 SIEGEL, P. B., and SIEGEL, H. S. Genetic variation in chick bioassays for gonadotropins. I-II. *Va. J. Sci. (n.s.)* 15(3):187-217. Ref. July 1964. 470 V81  
I, Testes weight and response; II, Histological and histochemical responses.
- 104246 THOMAS, C. H. Selection for improvement of egg production. *Miss. Agr. Expt. Sta. Inform. Sheet* 832,2 p. Dec.1963. 100 M69In
- 104247 WEZYK, S. The degree of heritability of some characteristics of economic importance by Sussex hens in Koluda Wielka. (Pol) *Krakow. Inst. Zootech. Wydawnictwa Wlasne* 159:37-51. Ref. 1962, pub.1963. 49.9 K85W

## Feeds and Feeding

- 104248 ALI, A. Y., and MOMIN, M. A. Utilization of industrial and farm by-products as poultry feed. *Indian Vet. J.* 41(6):412-417. June 1964. 41.8 In2
- 104249 BAL'OZOV, D. Development of fodder mixtures for broilers. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Zhivotn. Izv.* 17:125-135. Ref. 1963. 49.9 B8721  
English summary.
- 104250 BIELINSKI, K. Production of fat livers. (Pol) *Drobiarstwo* 12(6):20-21. June 1964. 47.8 P953  
Goose livers; chiefly feeding.
- 104251 BIXLER, E. Feeding of turkeys (in Mexico). (Sp) *Tec. Pecuaria en Mex.* 1:38-41. Jan.1963. 49 T222  
English summary, p.6.  
Includes formulas.
- 104252 BORUFF, C. S., LUTHY, P. W., and LANEN, J. M. VAN. Evaluation of Scotch whisky distiller's feeds in poultry rations. *J. Sci. Food & Agr.* 15(6):364-369. Ref. June 1964. 382 Sol2
- 104253 BUREAU DE LA NUTRITION ANIMALE ET DE L'ELEVAGE. Comparaison de l'action de divers antibiotiques sur la croissance des poulets de chair [Comparison of the action of various antibiotics on the growth of broilers]. *Bur. de la Nutr. Anim. Rap. A-263*, 5 p. Sept.1963. 389.79 B89
- 104254 COMBS, G. F., and NICHOLSON, J. L. Testing energy, amino acid and protein level specifications for linear programming of broiler rations. *Feedstuffs* 36(34):17-21, 70-71. Aug.22, 1964. 286.81 F322
- 104255 COOPER, P. H. Feed formulation and the use of computers. *Turkeys Year Book* 12(5):17,19. May 1964. 47.38 T843
- 104256 CREEK, R. D. Efficient breeder rations for chickens. *Md. U. Ext. Fact sheet* 140, rev., 3 p. July 1964. 275.29 M36Fa
- 104257 CUCA G., M. Feeding of poultry (in Mexico). (Sp) *Tec. Pecuaria en Mex.* 1:50-56. Jan.1963. 49 T222  
English summary, p.6.  
Includes formulas.
- 104258 CURDA, K., and others. Research on the effects of coarsely granulated feed mixtures on the biological feed utilization by various animals. (Cz) *Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba* 36(11):681-696. Ref. Nov.1963. 49.9 C33  
Z. Snopkova, R. Muzik, and E. Cadkova, joint authors.  
German summary.  
Poultry and swine.
- 104259 DAVIDSON, J. Utilisation of dietary energy by poultry. In *Cuthbertson, D. P., ed. Progress in nutrition and allied sciences*, p.299-305. Ref. 1963. 389.7 C97P
- 104260 DAY, E. J., WOODY, R. C., and DILWORTH, B. C. Stability of menadione sodium bisulfite complex in premixes and a comparison of a chemical and biological assay. *Feedstuffs* 36(33):50-52, 56. Ref. Aug.15, 1964. 286.81 F322  
For poultry.
- 104261 DUA, P. N., and DAY, E. J. A comparison of Coastal Bermuda grass meal and alfalfa meal in broiler rations. *Miss. Agr. Expt. Sta. Inform. Sheet* 852, 2 p. May 1964. 100 M69In
- 104262 ENCEVIK, Z. The effects of TM-11 and Rovimix on the egg production and hatchability of New Hampshire hens kept at Konya State Farm. (Tu) *Ankara. Lalahan Zootek. Arastirma Enstitusu. Dergisi* 3(3/4):44-61. Ref. Sept./Dec. 1963. 49.9 An6  
English summary.  
Use of an oxytetracycline and a vitamin A B<sub>2</sub>-D<sub>3</sub> compound.
- 104263 EVANS, T. G. Linear programming by computer points the way to better turkey feeds. *Turkeys* 12(7):35,39. July 1964. 47.38 T847
- 104264 FARUGA, A. Dry feed in fattening young ducks. (Pol) *Drobiarstwo* 12(6):9. June 1964. 47.8 P953
- 104265 FILMER, D. G. Feeding the modern turkey. *Turkeys Year Book* 12(5):27,30-31. May 1964. 47.38 T843  
Great Britain.
- 104266 GORDON, R. S. Growth stasis and tryptophan deficiency in the very young chicken. *Nature [London]* 203(4942):320-321. July 18, 1964. 472 N21
- 104267 GT. BRIT. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Feeding layers on the general farm. *Gt. Brit. Min. Agr. Fisheries & Food. Adv. L. 446, rev.*, 5 p. Apr.1964. 10 G79La
- 104268 HALE, M. Living off the land. *Turkeys Year Book* 12(5):41,43,45. May 1964. 47.38 T843  
Turkeys on range and on home-produced feed in Great Britain.
- 104269 HARMS, R. H., DOUGLAS, C. R., and WALDROUPE, P. W. Ethoxyquin and vitamin E studies in poultry. *Fla. Acad. Sci. Q. J.* 27(2):131-138. June 1964. 500 F66
- 104270 HISZPANSKA, W. Health improving and healing properties of some plants for poultry. (Pol) *Drobiarstwo* 12(6):10. June 1964. 47.8 P953
- 104271 HOLMES, B. Answering the nutritional challenge. *Turkeys Year Book* 12(5):37,39. May 1964. 47.38 T843  
Great Britain.
- 104272 INGRAM, G. A field nutritionist looks at broiler feeding. *Broiler Business* 15(2):14,16,18. Feb.1964. 47.8 B782
- 104273 IWATA, H., and others. Nutritional effect of aspartic acid. (Ja) *Jap. Soc. Food & Nutr. J.* 16(5):23-26. 1964. 389.9 J27  
O. Nishijima, K. Kobayashi, and M. Nagata, joint authors.  
English summary.  
In poultry nutrition.
- 104274 IYER, S. G. The growth promoting value of Terramycin antibiotic feed supplement TM-5 in poultry feed. *Indian Poultry Gaz.* 47(2):15-23. July 1963. 47.8 In22
- 104275 KHAN, N., and BRUNSON, C. C. A study on relationship of specific gravity with fat content in broiler carcasses. *Indian Vet. J.* 41(4):264-267. Apr.1964. 41.8 In2  
Effects of feeding.
- 104276 KIVIMAE, A. Experiments with broiler feed mixtures. (Sw) *Honsgarden* 1:10-11. In *Tidsskr. f. Lantman och Andelsfolk* 3. Feb.15, 1964. 20 T43
- 104277 KOZAK, V. Results of feed granulation study for chicks up to 6 weeks of age. (Cz) *Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba* 36(11):671-680. Ref. Nov.1963. 49.9 C33  
German summary.
- 104278 LLOYD, G. L. Use of munga to replace maize in a broiler ration. *Rhodesia Agr. J.* 61(3):50-51. May/June 1964. 23 R34  
Beans.
- 104279 LOCKHART, W. C., and BRYANT, R. L. All-vegetable versus animal proteins in turkey grower diets. *N. Dak. Agr. Expt. Sta. Res. Rpt.* 13, 16 p. Ref. Aug.1964. 100 N813R
- 104280 LUCKHAM, D. G. Feed and energy restriction programs. *Canad. Poultry Rev.* 88(4):18-20, 57-58. Apr.1964. 47.8 C16
- 104281 MCARDLE, A. A. Two all-purpose concentrate mixtures for use with poultry in India; a package deal for simple feeding of poultry of all ages. *Indian Poultry Gaz.* 47(2):24-31. July 1963. 47.8 In22
- 104282 MINIERI, L. Influence of antibiotic feeding on fertility and hatchability of egg. (It) *Acta Med. Vet.* 9(5):359-370. Ref. Sept./Oct.1963. 41.8 Ac84  
English summary.  
Quails.
- 104283 MUNDAY, R. A., and HUGGINS, G. Berries of *Ligustrum japonicum* in chick rations. *Tuskegee Vet.* 8(1):24-28. June 1964. 41.8 T87



104284. NEGRUTIU, E., and others. Some observations on the value of some feeding forage mixtures of chicks, depending on the various housing and feeding systems. (Rum) Cluj. Inst. Agron. "Dr. Petru Groza." Lucrari Sti. 19:265-275. 1964. 21 C622  
O. Popa, V. Hatieganu, G. Baltan, I. Suci, and E. C. Pop, joint authors.  
English summary.
104285. ONTARIO AGRICULTURAL COLLEGE. POULTRY SCIENCE DEPT. Poultry feed formulas 1964. Guelph, 1964. 106 p. 47.9 On83
104286. OTA, K., and KOBORI, S. Effect of the administration of Panazon on the growth of chicken. Tokyo. Nihon Univ. Col. Agr. Vet. Med. Bull. 16:1-18. Ref. Mar.1963. 41.9 T5762  
A nitrofurant derivative added to feed.
104287. PALAMARU, E., and others. New sources of protein feeds for young poultry. (Rum) Rev. de Zooteh. si Med. Vet. 14(4):17-27. Ref. Apr. 1964. 49 P943  
M. Gondos, M. Sirbu, R. Petrovsky, V. Maxim, J. Stavri, S. Romanovschi, and M. Erdei, joint authors.  
English summary.  
Especially feed yeast for broilers, in Rumania.
104288. PALFFY, D. Feeding experiences of post fattened poultry with skimmed milk. (Hu) Baromfitenyesztes 8(5):8. May 1964. 47.8 B262
104289. PAYNE, C. G. Effects of environment on ration formulation for laying hens. I.C.A.M. [Inst. Corn Agr. Merchants] J. 12(2):21-23,25. Summer 1964. 10 In7  
Especially hot weather.
104290. QURESHI, M. S., KHAN, I. A., and SCHNEIDER, B. H. Manganese in growing chick rations. West Pakistan J. Agr. Res. 1(4):68-79. Ref. Sept./Dec.1963. 22 W52
104291. ROBENS, J. F., and others. Oral electrolytes. Vet. Med. 58(7):589-593. July 1963. 41.8 M69  
P. C. Underwood, W. Weiss, and C. G. Durbin, joint authors.  
Addition to poultry ration.
104292. RYBINA, E. V., and UZILEVSKAYA, P. S. Role of cobalt, manganese and iodine in nutrition of laying hens. (Rus) Uz. Nauch.-Issled. Inst. Zhivotn. Tr. 7:111-117. 1962. 49.9 Uz12T
104293. SIPOS, J. The role of alfalfa meal in poultry feeding. (Hu) Baromfitenyesztes 7(11):5. Nov. 1963. 47.8 B262
104294. TIPTON, H. C., DAY, E. J., and SEALE, A. D. Electronic computers aid in poultry nutritional-economic research. Miss. Agr. Expt. Sta. Inform. Sheet 835,2 p. Jan.1964. 100 M69In  
Includes costs and returns.
104295. TLASKAL, J., and PERLIN, C. Effect of varying quality of feed mixture on the chicks and in broiler fattening. (Cz) Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba 37(1):39-48. Ref. Jan.1964. 49.9 C33  
German summary.
104296. TRIPPENBACH, W. Trimming of wings and tails of slaughter chickens. (Pol) Drobiarstwo 12(6):14,21. June 1964. 47.8 P953  
Influence on feed utilization.
104297. TYLECEK, J., and others. Changes in the coefficients of the digestibility of nutrients in the course of the growth of chickens. (Cz) Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba 36(12):727-736. Dec.1963. 49.9 C33  
F. Spacek, J. Cechovsky, and J. Zelenka, joint authors.  
English summary.
104298. UOTILA, I. The value of different grains in concentrated mash feeding of poultry. (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:270-276. 1964. 64.9 F49  
English summary
104299. WALDROUP, P. W., and HARMS, R. H. How are your chicks fixed for vitamin D? Sunshine State Agr. Res. Rpt. [Fla. Sta.] 9(3):19. July 1964. 100 F66Su
104300. WEGNER, R. M., and HARTFIELD, W. Use of sugar in poultry feeding. 1-2. (Ge) Zuchtungskunde 36(4):169-182. May 1964. 49 Z8  
English summary.
104301. WELLS, R. G. Economics of home-mixing broiler diets. Chicken 36:9,11-13,15,17. Jan./Feb.1964. 47.8 B784  
Emphasis on formulas and weight gains, in Great Britain.
104302. WISNIEWSKA, L. Feeding laying hens in early spring. (Pol) Drobiarstwo 12(6):7-8. June 1964. 47.8 P953
104303. YOUNG, R. J. Using feed grade fat in poultry feeds. Poultry & Livestock Comment 20(3):4,3. Fall 1963. 47.8 D92

#### Veterinary Medicine

104304. ADAMESTEANU, I., and ADAMESTEANU, C. Concerning E avitaminosis and selenium deficiency in chickens and ducklings. (Rum) Rev. de Zooteh. si Med. Vet. 14(4):49-58. Ref. Apr. 1964. 49 P943  
English summary.
104305. AINSON, H. On the experimental lymphatic fistula of hens. (Es) Akad. Nauk Estonskoi SSR. Izv. Ser. Biol. 3:202-204. Ref. 1963. 442.9 Ak18  
English summary.
104306. ALLEN, J. R. The role of "toxic fat" in the production of hydropicardium and ascites in chickens. Amer. J. Vet. Res. 25(107):1210-1219. Ref. July 1964. 41.8 Am3A
104307. ARBEITSTAGUNG DER LABORTIERARZTE UBER DIE DIAGNOSTIK VON GEFLUGELKRANKHEITEN, 2, HANOVER. Report. (Ge) Wien. Tierarztl. Monshr. 5(6):334-343. May 1964. 41.8 T345  
Abstracts of papers compiled by H. Krauss.
104308. ASSENMACHER, I. The molt of birds and its endocrinian determinism. 54 p. Transl. 14046  
Translation from Alauda 26:251-289. 1958.
104309. AWADHIYA, R. P. Studies on the pathology of avian leucosis complex. Agra U. J. Res. Sci. 12(3):177-178. Sept.1963. 513 Ag8
104310. BALOGH, T., DOBAI, S., and SZEGEDI, B. Occurrence of methaemoglobinaemia in a poultry flock. (Hu) Magyar Allatorv. Lapja 19(6):237-239. Ref. June 1964. 41.8 V644  
English summary.
104311. BAMBERGER, K. Vaccination against fowl pox. (Hu) Baromfitenyesztes 7(11):10-11. Nov.1963. 47.8 B262
104312. BAUM, H. The lymphatic system of the fowl. 92 p. Ref. Transl. 14045  
Translation from Zeitschrift fur die gesamte Anatomie. I Abteilung 93:1-34. 1930.
104313. BERRY, D. M., and others. The structure of infectious bronchitis virus. Virology 23(3):403-407. Ref. July 1964. 448.8 V81  
J. G. Cruickshank, H. P. Chu, and R. J. H. Wells, joint authors.  
In chickens.
104314. BESSARABOV, B. F. Prophylaxis of virus hepatitis of ducklings. (Rus) Ptitsevodstvo 5:33. May 1964. 47.8 P95
104315. BIERER, B. W., ELEAZAR, T. H., and ROEBUCK, D. E. Hematologic findings associated with some common diseases of poultry. Amer. Vet. Med. Assoc. J. 145(2):141-143. July 15, 1964. 41.8 Am3
104316. BIRD, H. R. Sudden death in the turkey house. Poultry & Livestock Comment 20(3):2-3. Fall 1963. 47.8 D92  
Aortic rupture.
104317. BLOUNT, W. P. The current status of poultry disease problems in Great Britain and Europe. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:296-305. Ref. 1963. 41.9 Un3
104318. BLOUNT, W. P. Hazards from feedingstuffs. Turkeys Year Book 12(5):21,23,25-26. May 1964. 47.38 T843  
Chiefly poisonous plants and poisons.

- 104319 BOZHILOV, B. Isolation of Salmonella give from chicks. (Bu) Akad. Selskstopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 7:91-93. 1963. 41.9 So2 English summary.
- 104320 BUBNOV, V. D. Sanitary-helminthological evaluation of deep litter. (Rus) Ptitsevodstvo 4:31. Apr.1964. 47.8 P95 With reference to ascariasis of poultry.
- 104321 BULOW, V. VON. Cultivating various strains of chicken bronchitis virus of Massachusetts and Connecticut type in cell cultures from chicken embryo kidneys. (Ge) Berlin. u. Munch. Tierarztl. Wchnschr. 77(14):283-286. Ref. July 15,1964. 41.8 B45 English summary.
- 104322 BUREAU DE LA NUTRITION ANIMALE ET DE L'ELEVAGE. Les divers modes de distribution des medicaments en aviculture [The various methods of administering drugs in poultry raising]. Bur. de la Nutr. Anim. Rap. A-424,4 p. Nov.1963. 389.79 B89
- 104323 BUT'YANOV, D. D. Aspergillosis of goslings. (Rus) Ptitsevodstvo 4:30. Apr.1964. 47.8 P95
- 104324 CHRISTOPHER, J., and RAO, P. R. A case of cavernous haemangioma in a chicken. Indian Vet. J. 41(4):259-260. Apr.1964. 41.8 In2
- 104325 COATES, M. E., DORAN, B. M., and HARRISON, G. F. Activity of vitamin B<sub>12</sub> coenzymes and antagonists in the chick and developing chick embryo. N. Y. Acad. Sci. Ann. 112(2): 837-843. Ref. Apr.24,1964. 500 N484
- 104326 COLUSI, A. D., and DIAZ MORENO, J. J. Combination of streptomycin and isoniazid in the treatment of chronic respiratory disease. (Sp) Rev. de Med. Vet. [Buenos Aires] 45(1): 49-52. Jan./Feb.1964. 41.8 B86 English summary.
- 104327 CONTI, G., and MILIO, G. Effect of the physiological solution of sodium chloride on the development of the chick embryo. (Fr) Experientia 20(5):282. May 15,1964. 475 Ex7 English summary.
- 104328 CORDS, E. Contributions to the theory of the cranial nerve system of birds. 43 p. Transl. 14028 Geese, ducks, and chickens. Translation from Anatomische Hefte. I. 26 (78/79/80):49-100. 1904.
- 104329 CROMPTON, D. W. T. Morphological and histochemical observations on Polymorphus minutus (Goeze, 1782), with special reference to the body wall. Parasitology 53(3/4):663-685. Ref. Nov.1963. 448.8 P21 Thorny-headed worm of duck intestines.
- 104330 CUADRA G., A. Epizootiological aspects of syngamosis in the Valley of Toluca. (Sp) Tec. Pecuaria en Mex. 1:23-26. Jan.1963. 49 T222 English summary, p.4. Chickens and turkeys.
- 104331 AL-DABAGH, M. A. The incidence of blood parasites in wild and domestic birds of Columbus, Ohio. Amer. Midland Nat. 72(1):148-151. Ref. July 1964. 410 M58
- 104332 DINU, M. Influence of ionizing rays on ontogenesis in poultry. (Rum) Bucharest. Acad. Repub. Pop. Romine. Comun. 13(10):891-900. Ref. Oct.1963. 512 B8522C French summary.
- 104333 DORN, P., EL ETREBY, M. F., and WEBER, R. Keratoconjunctivitis with intranuclear inclusion bodies in hens. (Ge) Berlin. u. Munch. Tierarztl. Wchnschr. 77(13):262-266. Ref. July 1, 1964. 41.8 B45 English summary.
- 104334 EDERSTROM, H. E., and BRUMLEVE, S. J. Temperature gradients in the legs of cold-acclimatized pheasants. Amer. J. Physiol. 207(2):457-459. Aug.1964. 447.8 Am3
- 104335 EDGAR, S. A., and CHO, Y. Gumboro [avian nephrosis] disease in poultry. Highlights Agr. Res. [Ala. Sta.] 11(3):5. Fall 1964. 100 ALIH
- 104336 FABER, H. VON. On the histology and hormonal influencing of the beak and face caruncles of the Muscovy duck (Cairina moschata). (Ge) Deut. Zool. Gesell. Verhandl. 1962:330-336. 1963. 410.9 D48
- 104337 FABRICANT, C. G., FABRICANT, J., and VAN DEMARK, P. J. Studies on the nutrition and growth requirements of Mycoplasma gallisepticum. J. Gen. Microbiol. 35(1):135-144. Ref. Apr.1964. 448.3 J823 From chicken.
- 104338 FEDOROVSKII, N. P., KULIGINA, A. I., and SHESTOPALOVA, G. E. Infectious conjunctivitis of chicks. (Rus) Ptitsevodstvo 7:24-26. July 1964. 47.8 P95
- 104339 FONSECA RAMON, M. Intestinal nematodiasis of birds. (Sp) Avicult. Tec. 15(1):1-3. Jan. 1964. 47.8 Av57
- 104340 FRIEBOVA, Z., and JELINEK, R. Cellular proliferation in the central nervous system of the chick embryos. III. Mitotic activity in the encephalic pouches from the 2nd-6th day of incubation. (Cz) Ceskoslov. Morf. 11(3):229-236. Ref. 1963. 444.8 C33 English summary.
- 104341 GAHNE, B. Blodgruppsundersokningar pa hons [Investigation of blood groups of hens]. Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 26,12 p. 1964. 11 Up62A
- 104342 GARKAVI, B. L. Microphallidiosis and paramonostomosis of ducklings. (Rus) Ptitsevodstvo 5:32. May 1964. 47.8 P95 Intestinal flukes.
- 104343 GECHOV, I., and SAVOV, D. Study of ornithosis in birds in Bulgaria and data on its epidemiology at a poultry slaughterhouse. (Bu) Akad. Selskstopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 6:151-158. Ref. 1962. 41.9 So2 English summary.
- 104344 GEORGIEV, B. Attempts to sanitize poultry farms from amidostomosis. (Bu) Akad. Selskstopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 9:175-183. 1963. 41.9 So2 English summary. Amidostomum anseris, the gizzard worm of geese.
- 104345 GHIMPU, P. Medicinal products and stimulators for poultry. (Rum) Rev. de Zooteh. si Med. Vet. 14(4):88-91. Apr.1964. 49 P943
- 104346 GIBSON, W. W. C. Feeding and disease. Turkeys Year Book 12(5):33,35. May 1964. 47.38 T843
- 104347 GOBETTO, A. The salivary glands of the fowl (Gallus gallus) during development. (It) Pisa. U. degli Studi. Facol. di Med. Vet. Ann. 16: 353-364. Ref. 1963, pub.1964. 41.9 P67 English summary.
- 104348 GOMOT, L. Contribution to the study of the embryonic development of the uropygial gland in the duck. 94 p. Transl. 14048 Translation from Archives d'Anatomie Microscopique et de Morphologie Experimentale 48(1):63-141. 1959.
- 104349 GUZSAL, E., and NAGY, M. On the lumbosacral organ of hens. (Hu) Magyar Allatorv. Lapja 19(6):239-241. June 1964. 41.8 V644 English summary.
- 104350 GYORFFY, L. Results of feeding Erra-6 and terramycin egg formula in a small flock infected with mycoplasmosis. (Hu) Magyar Allatorv. Lapja 19(6):251-252. June 1964. 41.8 V644 Poultry.
- 104351 HAROVIUC, S. Observations concerning the paratyphosis of chickens with Salmonella typhimurium. (Rum) Rev. de Zooteh. si Med. Vet. 14(4):67-70. Apr.1964. 49 P943
- 104352 HEALD, P. J., and ROOKLEDGE, K. A. Effect of gonadal hormones, gonadotrophins and thyroxine on plasma free fatty acids in the domestic fowl. J. Endocrinol. 30(1):115-130. Ref. Aug.1964. 448.8 J8293



- 104353 HEALD, P. J., and MCLACHLAN, P. M. The isolation of phosvitin from the plasma of the oestrogen-treated immature pullet. *Biochem. J.* 92(1):51-55. Ref. July 1964. 382 B52
- 104354 HERBERT, J. Field debeaking and vaccination gains popularity. *Broiler Business* 15(4):60,62. Apr.1964. 47.8 B782
- 104355 HERTELENDY, F., and COMMON, R. H. Isolation of crystalline 16-epiestriol from hen urine. *Canad. J. Biochem.* 42(8):1177-1183. Ref. Aug.1964. 470 C16E
- 104356 HESSELS, D. F. Poultry; toxic factors in protein supplements. *West. Austral. Dept. Agr. J.* (ser.4)5(3):181-183. Mar.1964. 23 W52J
- 104357 HODOSSY, J. Hatching weakness—from veterinary aspect. (Hu) *Baromfitenyesztes* 8(1):10. Jan.1964. 47.8 B262
- 104358 ISSEROFF, H. Fine structure of the eyespot in the *Miracidium* of *Philophthalmus megalurus* (Cort, 1914). *J. Parasitol.* 50(4):549-554. Ref. Aug.1964. 448.8 J824  
In chicks.
- 104359 JAHN, G. Stomach worm infection of poultry. (Ge) *Tierzucht* 18(3):158-159. Mar.1964. 49 T443
- 104360 JANKOVIC, B. D., and ISAKOVIC, K. Role of the thymus and the bursa of Fabricius in immune reactions in chickens. I-II. *Internatl. Arch. Allergy & Appl. Immunol.* 24(5):278-310. Ref. 1964. 448.8 In8
- 104361 JUHASZ, L. P., and TIENHOVEN, A. VAN. Effect of electrical stimulation of telencephalon on ovulation and oviposition in the hen. *Amer. J. Physiol.* 207(2):286-290. Ref. Aug. 1964. 447.8 Am3
- 104362 KAISER, L. Segmental innervation of the skin of the pigeon. 85 p. *Transl.* 14050  
Translation from *Archives Neerlandaises de Physiologie* 9:299-379. 1924.
- 104363 KALTOFEN, R. S. Normal condition of embryonal development of duck eggs. (Du) *Veeteelt en Zuivelber.* 7(2):93-96. Feb.1964. 49 V51
- 104364 KAMAR, G. A. R., and RASEK, M. A. A. Gonads and endocrines of chickens of different growth rates. *Acta Anat.* 54(1/2):145-156. Ref. 1963. 444.8 Ac82
- 104365 KAMINSKI, M. Esterases in avian sera: species specific pattern and individual variations. *Experientia* 20(5):286-287. May 15,1964. 475 Ex7  
Poultry.
- 104366 KAUFMAN, L. "Metamorphosis" in pigeons. *Acta Biol. Cracoviensia. Ser. Zool.* 5(2):317-326. July/Dec.1962, pub.1963. 442.8 Ac87
- 104367 KERR, K. M. Veterinary research; new Station test will aid in accurate diagnosis and control of infectious synovitis. *W. Va. Agr. Expt. Sta.* B. 494:3-4. June 1964. 100 W52  
Poultry.
- 104368 KHANNA, P. N. Studies on cytopathogenic avian enteroviruses. I. (Hu) *Magyar Allatorv. Lapja* 19(6):232-234. Ref. June 1964. 41.8 V644  
English summary.
- 104369 KHASHIMOV, A. U. Survival rate of the agent of pullorum disease in natural environment. (Rus) *Veterinariya* 4:21-24. Apr.1964. 41.8 V6426  
*Salmonella pullorum*.
- 104370 KHRISTOFOROV, L., and SIVOVSKI, I. Investigation into the haemagglutination reaction in poultry tuberculosis. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 9:117-126. 1963. 41.9 So2  
English summary.
- 104371 KIENY, M. The mechanisms of regulation in the development of the limb rudiments of the chick. II. Regulation of deficiency in wing-leg and leg-wing chimerae. *J. Embryol. & Expt. Morph.* 12(2):357-371. June 1964. 442.8 J829
- 104372 KOHLER, H. Avian encephalomyelitis. (Ge) *Wien. Tierarztl. Monshr.* 51(5):320-332. Ref. May 1964. 41.8 T345
- 104373 KOSTAKEV, A. Research into streptococcal septicaemia in newly-hatched chicks. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 9:137-143. 1963. 41.9 So2  
English summary.
- 104374 KRUSTEV, M. Typification of tuberculosis strains isolated from hens. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 7:69-75. 1963. 41.9 So2  
English summary.
- 104375 KUNIHISA, Y., and others. Biochemical studies on vitamin metabolism in poultry urine. III. *J. Vitaminology* 9(4):275-284. Dec. 10, 1963. 389.8 J825  
T. Nishikawa, S. Masushige, T. Suzuki, and Y. Sahashi, joint authors.
- 104376 KUNIYASU, C., and WATANABE, S. Effect of furazolidone on experimental pullorum disease in chicks. (Ja) *Jap. J. Vet. Sci.* 25(6):337-346. Ref. Dec.1963. 41.8 J27  
English summary.
- 104377 LIPINA, A. N. Toxicity of some derivatives of gossypol. (Rus) *Veterinariya* 4:95. Apr.1964. 41.8 V6426  
In poultry feeding.
- 104378 LOPEZ LORENZO, P., BURGOS, J., and SANZ PEREZ, B. Rigor mortis in birds; modifications induced by 2,4-dinitrophenol. (Sp) *An. de Bromatologia* 16(2):211-228. Ref. 1964. 389.8 An1  
English summary.  
Broilers.
- 104379 LORENZ, D. E., and JANN, G. J. Effect of subtilin on Newcastle disease virus. *Amer. J. Vet. Res.* 25(107):1285-1289. Ref. July 1964. 41.8 Am3A
- 104380 LUPIEN, P. J., and MIGICOVSKY, B. B. Pyridoxine deficiency and cholestrogenesis in the chick. *Canad. J. Biochem.* 42(8):1161-1168. Ref. Aug.1964. 470 C16E
- 104381 MAINARD, I. B., and ZELIOLI, A. On the subject of pigmentation of the skin and tarsus in fowls. 5 p. *Transl.* 14038  
Translation from *Zootecnia e Veterinaria* 13 (9):340-343. 1958.
- 104382 MALINOVSKY, L. The nerve supply of the stomach in the domestic pigeon (*Columba domestica*). *Ceskoslov. Morf.* 11(1):16-27. Ref. 1963. 444.8 C33
- 104383 MALLICK, B. B., and RAO, S. B. V. Non-pullorum cross agglutination reactions in rapid plate test against *Salmonella gallinarum*/pullorum infection on large poultry farms. *Indian Vet. J.* 41(4):249-254. Ref. Apr.1964. 41.8 In2
- 104384 MARTHEDAL, H. E., and VELLING, G. Poultry salmonellosis. (Da) *Danske Dyrlaegfor. Medlemsbl.* 47(15):791-805. Aug.1,1964. 41.9 D23
- 104385 MARTIN, J. E. How to calculate optimum weight for top profits. *Broiler Business* 15(4):16,18. Apr.1964. 47.8 B782
- 104386 MELLEN, W. J. Body size and metabolic rate in the domestic fowl. *Agr. Sci. Rev.* 1(1):20-26,49. Ref. Fall 1963. A31.3 Ag893
- 104387 MENASCE, I., and NARDELLI, L. A comparative method for determination of virulence of strains of fowl-pox virus. *Vet. Ital.* 15(3/4):184-189. Ref.p.183. Mar./Apr.1964. 41.8 C87  
Text also in Italian p.177-183.
- 104388 MENDOZA, C., PINO, J. A., and AYALA, J. T. Effect of an antioxidant and a synthetic hormone on the pigmentation of broilers. (Sp) *Tec. Pecuaria en Mex.* 1:9-12. Jan.1963. 49 T222  
English summary, p.4.
- 104389 MESZAROS, J., and STIPKOVITS, L. On the pathogenesis of chronic respiratory disease. (Hu) *Magyar Allatorv. Lapja* 19(6):217-222. June 1964. 41.8 V644  
English summary.
- 104390 MESZAROS, J. Specificity and value of serological tests in the control of mycoplasmosis. (Hu) *Magyar Allatorv. Lapja* 19(6):227-231. Ref. June 1964. 41.8 V644  
English summary.  
Poultry.

- 104391 MEZENSTEV, M. F., and DOROSHO, I. N. Eradication of mycoplasmosis of poultry. (Rus) *Pitisevodstvo* 7:26-28. July 1964. 47.8 P95
- 104392 MIKLOVICH, M. Poisoning in poultry stands caused by plant protection chemicals. (Hu) *Baromfitenyesttes* 8(2):10. Feb.1964. 47.8 B262
- 104393 MINCHEVA, N., SHERKOV, SH., and SAVOV. Investigation into coccidiosis in chicks caused by *E. tenella*. 2. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 9:155-162. 1963. 41.9 So2 English summary.
- 104394 MINCHEVA, N., and SHERKOV, SH. On certain aspects of the epizootiology of coccidiosis in chicks caused by *E. tenella*. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 9:145-153. 1963. 41.9 So2 English summary.
- 104395 MQNOV, M. Research on the epizootiology of spirochetosis in the District of Vratsa and experiments on its control. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 7:201-206. Ref. 1963. 41.9 So2 English summary. Poultry.
- 104396 MOSER, E. The bird's skin. 67 p. Transl. 14033  
Translation from Ellerberg's *Handbuch der vergleichender mikroskopischer Anatomie der Haustiere* 1906:192-232.
- 104397 MOUCHETTE, R., and CUYPERS, Y. Study of the vascularization of the cock's kidney. 7 p. Transl. 14032  
Translation from *Arch. de Biol.* 69:577-590. 1959.
- 104398 NACHKOV, D., NACHKOVA, O., and HAD-JIEVA, P. The influence of virus infections on the intracellular amino acid pool. (Ge) *Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. I, Orig.* 192(3):274-279. Ref. Apr.1964. 448.3 C33 English summary.  
Includes fibroblasts infected with Newcastle disease.
- 104399 NAKATANI, Y., and GOTO, J. Experimental studies on the variation of carbohydrate in the chicken. III. (Ja) *Jap. J. Vet. Sci.* 25(6):347-353. Ref. Dec.1963. 41.8 J27 English summary.
- 104400 NATH, D., and PANDE, B. P. A note on the acanthocephalan infection of domestic fowl. *Indian J. Helminthol.* 15(1):31-35. Mar.1963. 436.8 In2
- 104401 NEPYSHNEVSKAYA, V. V. Serological diagnosis of toxoplasmosis. (Rus) *Pitisevodstvo* 5:36. May 1964. 47.8 P95 Poultry.
- 104402 NEW SOUTH WALES. DEPT. OF AGRICULTURE. Worm infestation in fowls. N. S. Wales. Dept. Agr. Poultry Notes, Apr.1964:1-5. 47.9 N472
- 104403 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Nutritional leg weakness in chickens. North. Ireland. Min. Agr. L. 111,6 p. Jan.1964. 10 N81  
Especially vitamin deficiencies.
- 104404 OCHI, Y., MITSUOKA, T., and SEGA, T. Studies on the intestinal flora of chickens. III. The development of the flora from chicks till hens. (Ge) *Zentbl. f. Bakt. Parasitenk. Infekkrank. u. Hyg. Abt. I, Orig.* 193(1):80-95. Ref. June 1964. 448.3 C33 English summary.
- 104405 ODHAM, G. Studies on feather waxes of birds. I. On the chemical composition of the wax in the free flowing secretion from the preen gland of domestic geese. *Arkiv f. Kemi* 21(5):379-393. Ref. 1964. 385 Ar4
- 104406 OKUNTSOV, L. P. Clinical symptoms of experimental avitaminosis A of chicks. (Rus) *Veterinariya* 4:75-76. Apr.1964. 41.8 V6426
- 104407 ONTARIO TURKEY FEDERATION. "How far can we go in disease prevention"; panel discussion. *Canad. Poultry Rev.* 88(5):61-64. (Cont.) May 1964. 47.8 C16
- 104408 ORLOV, A. I. Diagnosis of poultry tuberculosis by the method of surface concentration of mycobacteria. (Rus) *Veterinariya* 4:108-109. Apr.1964. 41.8 V6426
- 104409 OSHIMA, M., TAYLOR, T. G., and WILLIAMS, A. Variations in the concentration of phytic acid in the blood of the domestic fowl. *Biochem J.* 92(1):42-46. Ref. July 1964. 382 B52
- 104410 PELEG, B. A. A small-scale serological survey of Israel turkey meningo-encephalitis (ITME). *Refuah Vet.* 20(4):253-250. Dec.1963. 41.8 R25
- 104411 PELLERDY, L. Investigations on the relations between vitamin A supply and coccidiosis of the cecum in baby chicks. (Ge) *Angew. Parasitol.* 4(3):129-133. Sept.1963. 436.8 An4 English summary.
- 104412 PETERSON, E. H. Breakthrough in CRD control. *Broiler Business* 15(1):28,30-31. Jan. 1964. 47.8 B782
- 104413 PONEV, M. Coligranulomatosis (Hjarre's disease) in turkeys and peacocks. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 9:133-136. Ref. 1963. 41.9 So2 English summary.
- 104414 PONEV, M. An infection in chickens caused by *Escherichia metacoloidea*. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 7:85-90. 1963. 41.9 So2 English summary.
- 104415 POPA, O., and others. The identification of candidosis focus in goslings in the R.P.R. (Rum) *Rev. de Zooteh. si Med. Vet.* 14(4):71-79. Apr.1964. 49 P943  
C. Visan, P. Mitroiu, and Z. Sirbu, joint authors. English summary.
- 104416 POPOV, T. Experiments for testing the therapeutic action of penicillin, streptomycin, biomyxin and bacteriophage on chronic pullorosis in hens. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 6:165-169. 1962. 41.9 So2 English summary.
- 104417 POPOVICI, V. Some epizootological aspects of ornithosis and their importance in the prophylaxis and control of this disease in the R.P.R. (Rum) *Rev. de Zooteh. si Med. Vet.* 14(4):59-66. Ref. Apr.1964. 49 P943 English summary.  
In all types of fowl.
- 104418 PUSTOVIT, G. L. Epizootiology of pasteurellosis. (Rus) *Pitisevodstvo* 4:30-31. Apr.1964. 47.8 P95 Poultry.
- 104419 QUADER, M. A. Ranikhet disease oral vaccine. *I. Agr. Pakistan* 14(3):286-289. Sept.1963. 22 Ag832
- 104420 QUILLIAM, P. R. There's no profit in fowl pest. *Chicken* 36:31-32,34. Jan./Feb.1964. 47.8 B784  
Great Britain.
- 104421 RADOMSKI, M. W., and COOK, W. H. Chromatographic separation of phosphatidyl- and  $\beta$ -lipovitellin of egg yolk granules on TEAE-cellulose. *Canad. J. Biochem.* 42(8):1203-1215. Ref. Aug.1964. 470 C16E
- 104422 RAO, M. R., PAL, A. K., and RAZDAN, M. N. Studies on some of the lipid constituents in the blood of chicken under different physiological conditions. 2. *Indian Vet. J.* 41(4):260-263. Apr.1964. 41.8 In2
- 104423 RESKO, J. A., NORTON, H. W., and NALBANDOV, A. V. Endocrine control of the adrenal in chickens. *Endocrinology* 75(2):192-200. Ref. Aug.1964. 448.8 En2



- 104424 RIBAROV, B. Using the reaction for the inhibition of haemagglutination in determining the immunogenic properties of the adsorbate vaccine for fowl pox-strain U Bucharest. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 9:127-131. 1963. 41.9 So2  
English summary.
- 104425 RICHEY, D. J., and SCHMITTLE, S. C. Susceptibility to intratracheal administration of mesogenic Newcastle disease virus of broilers immune to intramuscular velogenic-type challenge. Amer. J. Vet. Res. 25(107):1220-1225. Ref. July 1964. 41.8 Am3A
- 104426 RICHTER, S., KARLOVIC, M., and GRMOVSEK, P. The epizootic incidence of erysipelas in pheasants. (Se) Vet. Arh. 34(3/4):101-106. Ref. 1964. 41.8 V6416  
English summary.  
Caused by Erysipelothrix insidiosa.
- 104427 RONDA, E. Virucidal and virustatic action of cetyl dimethyl benzyl ammonium chloride and cetyl trimethyl ammonium chloride against fowl plague virus and Newcastle disease virus. (Sp) Microbiol. Espan. 16(3):179-192. July/Aug. 1963. 448.3 M583  
English summary.
- 104428 ROSSI, G. B., and others. Histopathological investigations of the Pagnini attenuated Newcastle disease virus. (It) Acta Med. Vet. 9(5):323-335. Sept./Oct. 1963. 41.8 Ac84  
L. C. Porrazzi, A. Schiavo, and L. Di Giovine, joint authors.  
English summary.
- 104429 RUSSELL, R. R., and KICKS, J. L. Experimental infection of fowls with Salmonella pullorum. New Zeal. Vet. J. 12(2):29-32. Apr. 1964. 41.8 N483  
New Zealand.
- 104430 SATO, K., and GLICK, B. Effect of ACTH on total adrenal cholesterol in bursectomized chicks. Amer. J. Physiol. 207(1):47-49. Ref. July 1964. 447.8 Am3
- 104431 SAVOV, D. Studies on colisepticaemia in chicks. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 9:97-110. Ref. 1963. 41.9 So2  
English summary.
- 104432 SCHEIB, D. Acid phosphatase in the Mullerian duct in regression (chick embryo); histological study. (Fr) Ann. d'Histochim. 9(1):99-104. Jan./Feb. 1964. 383 An73  
English summary.
- 104433 SCHIAVO, A., and BIONDI, E. Contribution to the therapy of avian staphylococcosis. (It) Acta Med. Vet. 9(3/4):199-205. Ref. May/Aug. 1963. 41.8 Ac84  
English summary.  
Dihydrostreptomycin and vitamin A administered.
- 104434 SCHMITTLE, S. What causes vaccination failures? Broiler Business 15(1):24-26. Jan. 1964. 47.8 B782
- 104435 SERAFIMOV, S. Experiments for improving the antigen for rapid agglutination in avian typhoid-pullorosis. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 6:159-163. Ref. 1962. 41.9 So2  
English summary.
- 104436 SERAFIMOV, S. Research into the etiology of typhoid-pullorosis in chickens. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 7:61-67. Ref. 1963. 41.9 So2  
English summary.
- 104437 SHARMA, N. N. Response of the fowl (Gallus domesticus) to parenteral administration of seven coccidial species. J. Parasitol. 50(4):509-517. Ref. Aug. 1964. 448.8 J824
- 104438 SHERBET, G. V., and MULHERKAR, L. The morphogenetic action of follicle-stimulating hormone on post-nodal fragments of early chick blastoderms. Wilhelm Roux' Arch. f. Entwicklmech. der Org. 154(6):506-512. Ref. 1963. 442.8 Z33D
- 104439 SHERMAN, I. W. Antigens of Plasmodium lophurae. J. Protozool. 11(3):409-417. Ref. Aug. 1964. 439.8 J82  
Avian malaria in ducks.
- 104440 SHIMABAYASHI, Y., and IWAMOTO, K. Biochemical studies during the development of the chick embryo. I. Agr. & Biol. Chem. 28(5):286-299. May 1964. 385 Ag8B
- 104441 SILVERSTEIN, S. C., and MARCUS, P. I. Early stages of Newcastle disease virus-HeLa cell interaction; an electron microscopic study. Virology 23(3):370-380. Ref. July 1964. 448.8 V81
- 104442 SIMONOV, A. P. Disinfection of poultry houses in the occurrence of Ascaridia galli and Heterakis gallinae infestations. (Rus) Veterinariya 4:96-97. Apr. 1964. 41.8 V6426
- 104443 SINGH, B., and SINGH, C. M. Studies on pathology of chronic respiratory disease of poultry in India. I. Pathological changes in field cases. Agra U. J. Res. Sci. 12(3):69-77. Ref. Sept. 1963. 513 Ag8
- 104444 SLAVKOV, I., and KOSTAKEV, A. Salmonellosis in chicks and turkey-poults. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 7:95-101. Ref. 1963. 41.9 So2  
English summary.
- 104445 STABROVSKII, E. M. Effect of insulin on adrenalin and noradrenalin content in adrenal gland of the chick embryo and of chick. (Rus) Fiziol. Zhur. SSSR 50(3):365-372. Ref. Mar. 1964. 444.8 F58
- 104446 STEELE, F. M., and LUGINBUHL, R. E. Direct and indirect complement-fixation tests for infectious bronchitis virus. Amer. J. Vet. Res. 25(107):1249-1255. Ref. July 1964. 41.8 Am3A
- 104447 STIPKOVITS, L. The role of E[scherichia] coli strains in the pathogenesis of chronic respiratory disease. (Hu) Magyar Allatorv. Lapja 19(6):223-226. Ref. June 1964. 41.8 V644  
English summary.
- 104448 SYKES, A. H. Chemical control of egg production. New Sci. 23(398):33-34. July 2, 1964. 472 N42
- 104449 SZECSENYI, I. Agglutination tests to reveal carriers of the fowl cholera bacillus in the field. (Hu) Magyar Allatorv. Lapja 19(6):234-237. June 1964. 41.8 V644  
English summary.
- 104450 SZECSENYI, I. On the pathologic anatomy of pullorum disease. (Hu) Magyar Allatorv. Lapja 19(6):254-256. June 1964. 41.8 V644  
English summary.
- 104451 TEMESI, Z. Mass occurrence of skin lesions on body parts covered with feathers of young chicks infected with fowl-pox. (Hu) Magyar Allatorv. Lapja 19(6):252-254. June 1964. 41.8 V644  
English summary.
- 104452 TYTLBACH, M. The islands of Langerhans in the domestic chicken (Gallus domesticus L.). (Cz) Ceskoslov. Morf. 11(1):91-101. Ref. 1963. 444.8 C33  
German summary.
- 104453 TONEVA, V. Contribution to the titration of vaccines against fowl cholera. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 7:77-83. 1963. 41.9 So2  
English summary.
- 104454 TONEVA, V. Live avirulent vaccine against chicken cholera. III. Vaccination of young chicks. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 6:143-149. 1962. 41.9 So2  
English summary.
- 104455 TOTH, B., and others. Characteristic feathering disorder observed in chickens fed with vitamin D3 deficient diet. Acta Vet. [Budapest] 14(1):57-62. 1964. 41.8 Ac83  
G. Geczy, G. Lakits and G. Barsy, joint authors.

- 104456 TSONEV, TS., and others. Investigations into the etiology and epizootiology of salmonellosis and pullorosis in chickens in the Districts of Varna and Kolarovgrad. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 7:43-56. Ref. 1963. 41.9 So2  
M. Mateev, I. Slavkov, and B. Bozhilov, joint authors.  
English summary.
- 104457 UNGUREANU, C., and GRECIANU, A. Research concerned with the diagnostic value of the degreased pullorum antigen. (Rum) Rev. de Zooteh. si Med. Vet. 13(11):56-63. Ref. Nov.1963. 49 P943  
English summary.
- 104458 VARGA, I. Immunization experiments with irradiated larvae. I. Studies on the effect of X-rays on eggs and larvae of *Ascaridia galli*. Acta Vet. [Budapest] 14(1):95-103. 1964. 41.8 Ac83
- 104459 VARMA, B. B. Preliminary observations on an outbreak of colibacillosis in chicks. Indian Vet. J. 41(6):396-399. June 1964. 41.8 In2
- 104460 VINOKHODOV, V. V. Gamma-globulins for prevention of fowl pox. (Rus) Ptitsevodstvo 5: 31-32. May 1964. 47.8 P95
- 104461 WARNER, N. L. Immunological reactions produced by the local injection of adult fowl leucocytes in chickens. Austral. J. Expt. Biol. & Med. Sci. 42(3):417-428. Ref. June 1964. 442.8 Au7
- 104462 WARNER, N. L. The immunological role of different lymphoid organs in the chicken. II. The immunological competence of thymic cell suspensions. Austral. J. Expt. Biol. & Med. Sci. 42(3):401-416. Ref. June 1964. 442.8 Au7
- 104463 WARREN, E. W., and BALL, S. J. The effect of sulphaquinoxaline and amprolium on the life cycle of *Eimeria adenoeides* Moore and Brown, 1951, in turkey poults. Parasitology 53(3/4): 653-662. Ref. Nov.1963. 448.8 P21
- 104464 WEATHERLY, N. F., HANSEN, M. F., and MOSER, H. C. Distribution of carbon-14 in *Ascaridia galli* and the host chicken, given radioactive alanine or glucose. Amer. J. Vet. Res. 25(107):1206-1209. July 1964. 41.8 Am3A
- 104465 WESTPFAHL, U. The artery system of the domestic fowl [*Gallus domesticus*]. 75 p. Transl. 14051  
Translation from Berlin. Humboldt-Universität. Wissenschaftliche Zeitschrift. Mathematisch-Naturwissenschaftliche Reihe 10(1):93-124. 1961.
- 104466 YAMAGIWA, S., and others. Pathological studies of avian leukosis. I. On pathogenesis of avian visceral lymphomatosis. Jap. J. Vet. Res. 11(4):99-122. Ref. Dec.1963. 41.8 V6446  
T. Ono, A. Ueda, and M. Inoue, joint authors.
- 104467 ZANNELLI, C. Reaction of chick to transportation stress. (It) Acta Med. Vet. 9(3/4):215-223. Ref. May/Aug.1963. 41.8 Ac84
- 104468 ZHEKOV, S. A killed vaccine against fowl cholera. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 9:111-115. 1963. 41.9 So2  
English summary.
- Miscellaneous
- 104469 ALTIMIRA RAVENTOS, C. Ducks as producers of fat livers. (Sp) Cult. Mod. 47(2):43-44. Feb.1964. 15 C89
- 104470 ANDREWS, D. K. 4-H poultry judging series. Wash. State U. Agr. Ext. Mimeo. 2403, 20 p. Apr.1964. 275.29 W27Mi
- 104471 ANTONOVA, M. E. Disinfection of hens' eggs before incubation. (Rus) Veterinariya 4:91-93. Apr.1964. 41.8 V6426  
With erythromycin and furazolidone.
- 104472 ARKANSAS POULTRY IMPROVEMENT ASSOCIATION. 1964 yearbook. Fayetteville, 1964. 46 p., map. 47.9 Ar4
- 104473 BAEUM, J. Observations on poultry husbandry. (Da) Landbonyt 18(2):54-56. Feb.1964. 11 L2322  
Egg production.
- 104474 BEAT, A. M. Use lights to get bigger eggs. Queensland Agr. J. 90(6):328-330. June 1964. 23 Q33
- 104475 BLISS, M. E. Livestock "pull their rank, too." Hoard's Dairyman 109(14):781,801. July 15, 1964. 44.8 H65  
Chiefly on poultry.
- 104476 CARTER, T. C. Operational research; a third channel of scientific inquiry. Gt. Brit. Min. Agr. Fisheries & Food. Agr. 71(6):273-276. June 1964. 10 G79J  
Computer analysis in poultry research in Great Britain.
- 104477 CHERPITEL, B. Laying cages? (Fr) PROVI-MI Inform. 38:3. First Q.1964. 389.78 P942
- 104478 CLARKSON, T. B., and others. The pigeon as a laboratory animal. Lab. Anim. Care 13(6): 767-780. Dec.1963. 410.9 P94  
R. W. Prichard, H. B. Lofland, and H. O. Goodman, joint authors.
- 104479 COUSE, P. W. The started pullet business. Canad. Poultry Rev. 88(4):14-16. Apr.1964. 47.8 C16
- 104480 DAVIS, D. 3-6-2 barrier broken! Broiler Business 15(4):28-29,42. Apr.1964. 47.8 B782  
Broiler Business award given to Hubbard Farms and Pilch's Poultry Breeding Farms.
- 104481 DIAMANTSTEIN, T., and LUDERS, H. Report on the biochemistry of eggshell formation. 4th study: on the mucopolysaccharides of the eggshell. 2. (Ge) Berlin. u. Munch. Tierarztl. Wchnschr. 77(12):251-252. Ref. June 15, 1964. 41.8 B45  
English summary.
- 104482 DORN, M. Suggestions for chick rearing. (Ge) Tierzucht 18(3):156-158. Mar.1964. 49 T443
- 104483 ELLIS, F. E. The sun winters in Arizona. Canad. Poultry Rev. 88(4):22,26-29. Apr.1964. 47.8 C16  
Poultry industry in Arizona.
- 104484 ELLIS, F. E. There are common problems. Canad. Poultry Rev. 88(5):18,20,22-24-25. May 1964. 47.8 C16  
The industry in Arizona.
- 104485 FINNE, L. Culling helps. (Sw) Honsgarden 1: 24. In Tidskr. f. Lantman och Andelsfolk 3. Feb.15, 1964. 20 T43  
Poultry keeping in Finland.
- 104486 FINNE, L. Do we keep layers too long? (Sw) Honsgarden 1:18-19. In Tidskr. f. Lantman och Andelsfolk 3. Feb.15, 1964. 20 T43  
Finland.
- 104487 GARDOS, F. Home raising of geese; situation and outlook. (Hu) Baromfitenyesztes 8(1):20. Jan.1964. 47.8 B262
- 104488 GODFREY, E. F., and WINN, P. N. Reducing the cost of producing broiler meat; the authors suggest, based on the results of their experimental findings, that broiler producers should take a look at lower brooding temperatures as a possibility for trimming fuel bills and total production costs. Feedstuffs 36(30):30. July 25, 1964. 286.81 F322
- 104489 HODOSY, J. Animal health protection in home raising of poultry. (Hu) Baromfitenyesztes 2(4,sup.), 7 p. Apr.1964. 47.8 B262
- 104490 HOWES, J. R. The British poultry industry. Canad. Poultry Rev. 88(8):22-26. (Cont.) Aug. 1964. 47.8 C16
- 104491 JUHASZ, I. Methods for eliminating seasonal character of table poultry rearing. (Hu) Baromfitenyesztes 8(4):10-11. Apr.1964. 47.8 B262
- 104492 KALKREUTH, C. Practical suggestions and experiences in hatching of turkey eggs and in rearing of turkey chicks. (Ge) Tierzucht 18(4): 217-219. Apr.1964. 49 T443
- 104493 KASZONYI, J. Preparation of the Rhenish goose for egg production. (Hu) Baromfitenyesztes 8(2):16. Feb.1964. 47.8 B262
- 104494 KAUFFMAN, H. Keeping pace with change. Canad. Poultry Rev. 88(5):54,56-57. (Cont.) May 1964. 47.8 C16  
The turkey farm business.



- 104495 KISS, I. Requirements concerning eggs for hatching. (Hu) Baromfitenyesztes 8(3):12-13. Mar.1964. 47.8 B262
- 104496 LLANOS COMPANY, M. Japanese methods of sexing. (Sp) Tierra [Mexico] 19(6):469. June 1964. 8 T445 Poultry.
- 104497 LUCKHAM, W. R. Economics of chicken and turkey broiler production. Canad. Poultry Rev. 88(8):17-18,20. Aug.1964. 47.8 C16
- 104498 MAINE POULTRY IMPROVEMENT ASSOCIATION. Yearbook, 16th, 1963. Canton, 1963. 68 p. 47.9 M282
- 104499 MIZUNO, T. Good chickens are profitable chickens. (Ja) Niwatori-no-Kenkyu 38(12):60-64. Dec.1963. 47.8 N64
- 104500 MOLNAR, N. A magyar haziszarlyasok neveinek tortenetebol [From the history of the names of Hungarian domestic fowls]. Godollo. Agrartud. Egyet. Kozponti Konyvtar. Kiadvanyai 15,85 p. Ref. 1963. 19 G543A English summary.
- 104501 NEW SOUTH WALES. DEPT. OF AGRICULTURE. Standards for judging turkeys in Australia. N. S. Wales. Dept. Agr. Poultry Notes, Apr.1964:6-9. 47.9 N472
- 104502 NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF ANIMAL INDUSTRY. Broiler growing, by V. H. Brann. Ed. 7. Sydney? Blight, 1963. 29 p. 47 N47B
- 104503 NORTHERN IRELAND. MINSITRY OF AGRICULTURE. Management and feeding of poultry breeding stock. North. Ireland. Min. Agr. L. 83,8 p. Apr.1964. 10 N81
- 104504 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Turkey production. North. Ireland. Min. Agr. L. 37,16 p. Feb.1964. 10 N81
- 104505 OWEN, V. M. Effect of light intensity and day-length patterns on growth of broiler chicks. Leatherhead, Surrey, 1963. 32 p. (British Electrical and Allied Industries Research Association. Ref. W/T47) 47 Ow2
- 104506 PANADA, J. N., and MCARDLE, A. A. Results with use of improved poultry management practices in Orissa, India. Indian Poultry Gaz. 47 (2):8-14. July 1963. 47.8 In22
- 104507 PANDA, N. C., and MOHAPATRA, K. N. Floor space requirement for Rhode Island Red laying hens. Indian Vet. J. 41(4):280-284. Apr.1964. 41.8 In2
- 104508 PINO, J. A. Effect of altitude on hatchability of chicken eggs. (Sp) Tec. Pecuaría en Mex. 1: 21-22. Jan.1963. 49 T222 English summary, p.4.
- 104509 POPA, G., and CRISTESCU, M. The technology of poultry processing in abattoirs. (Rum) Rev. de Zooteh. si Med. Vet. 14(4):80-87. Apr.1964. 49 P943
- 104510 POPESCU-BARAN, M. Industrial production of eggs and poultry meat. (Rum) Rev. de Zooteh. si Med. Vet. 14(4):5-10. Apr.1964. 49 P943
- 104511 RYBINA, E. V., and POPOV, L. P. Raising chicks in cages on deep and replaceable litter. (Rus) Uz. Nauch.-Issled. Inst. Zhivotn. Tr. 7:85-97. 1962. 49.9 Uz12T
- 104512 SARAZA, R. Fundamental points in the turkey enterprise. (Sp) Avicult. Tec. 14(12):583-584. Dec.1963. 47.8 Av57
- 104513 SCHMIDT, L. Does the future lie in laying cages? (Ge) Mitt. der Deut. Landwirt.-Gesell. 78(50):1582-1584,1586. Dec.12,1963. 18 N39
- 104514 SCHROEDER, P. Are surplus eggs and poults a good buy? Turkey World 39(7):16-17. July 1964. 47.38 T84 Lowered hatchability and mortality of poults.
- 104515 SHOFFNER, R. N. Photoperiodism and light management. Poultry & Livestock Comment 21 (1):1-2. Spring 1964. 47.8 D92 Poultry.
- 104516 SIMKOVA, A., and SIMEK, L. The influence of the thermal regime on the results of chicken rearing. 1. Growth and feed consumption up to an age of 80 days. (Cz) Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba 36(11):659-670. Ref. Nov.1963. 49.9 C33 English summary.
- 104517 STANESCU, M. Problems concerning the hygiene and prophylaxis in poultry combines. (Rum) Rev. de Zooteh. si Med. Vet. 14(4):11-16. Apr.1964. 49 P943
- 104518 STOICESCU, S. Some practical observations concerning the ways of raising poultry production. (Rum) Rev. de Zooteh. si Med. Vet. 14 (4):43-48. Apr.1964. 49 P943 Includes feeding.
- 104519 STYVE, A. Poultry husbandry is under certain conditions a natural part of farming. (No) Tidsskr. f. Fjorfeavl 81(3):32-34. Mar.1964. 47.8 T432
- 104520 SUSCHKA, A. What is a poultry test? (Hu) Baromfitenyesztes 8(5):6-7. May 1964. 47.8 B262
- 104521 SZLAMENICKY, I. Large scale poultry rearing is gaining all around the world. 3. (Hu) Baromfitenyesztes 7(11):6-7. Nov.1963. 47.8 B262
- 104522 VAGO, J. The program of lighting in egg production. (Hu) Baromfitenyesztes 8(2):6-7. Feb.1964. 47.8 B262
- 104523 VARADY, B. Poultry rearing in Austria. (Hu) Baromfitenyesztes 8(3):18-19. Mar.1964. 47.8 B262
- 104524 WODZINOWSKI, J. Experiences from raising young laying hens. (Pol) Drobiarstwo 12(6): 11-13. June 1964. 47.8 P953 Care and feeding.
- 104525 WYRWICH, D. Culling out poultry at the age of over three months. (Pol) Drobiarstwo 12(6):6-7. June 1964. 47.8 P953
- 104526 ZMIJEWSKA, Z. Raising guinea fowl chicks. II. (Pol) Drobiarstwo 12(6):8. June 1964. 47.8 P953

## RABBITS

## Feeds and Feeding

- 104527 KANDATSU, M., and YASUI, T. The nutritional value of Chlorella protein. 2. (Ja) Jap. Soc. Food & Nutr. J. 16(5):51-59. 1964. 389.9 J27 German summary. Rabbit nutrition studied.

## Veterinary Medicine

- 104528 BONNAFOUS, R., RAYNAUD, P. Research on the diurnal rhythm of fecal nitrogen excretion in the domestic rabbit (*Oryctolagus cuniculus*); influence of the adrenal gland. (Fr) Compar. Biochem. & Physiol. 8(4):321-326. Apr.1964. 444.8 C73 English summary.
- 104529 CHENCHEV, I., and DUMANOV, I. The effect of extract of *Fasciola hepatica* on the agglutination genesis in rabbits. (Bu) Akad. Selskostopanskite Nauk, Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 7:131-136. 1963. 41.9 So2 English summary.
- 104530 CSIKVARY, L. Myxomatosis of domestic rabbits. (Hu) Baromfitenyesztes 8(1):28-29. Jan. 1964. 47.8 B262
- 104531 FOSTER, C. L., and CAMERON, E. Cytological changes in the adenohypophysis of the rabbit after castration. J. Endocrinol. 30(1):97-101. Ref. Aug.1964. 448.8 J8293
- 104532 GENGOUX, P., and PLUME, C. Effects of ephedrine in the level of the intestine of the rabbit. (Fr) Ann. de Med. Vet. 108(3):133-138. May 1964. 41.8 An78
- 104533 GIROLAMO, A. DE, GENAZZANI, E., and ANGELO, A. D'. Endocrine pancreas and synthesis of hypoglycemia; histological results and critical considerations. (It) Acta Med. Vet. 9 (3/4):175-199. Ref. May/Aug.1963. 41.8 Ac84 English summary. Chlorpropamide administered to rabbits.
- 104534 HARPER, M. J. K. The effects of constant doses of oestrogen and progesterone on the transport of artificial eggs through the reproductive tract of ovariectomized rabbits. J. Endocrinol. 30(1):1-19. Ref. Aug.1964. 448.8 J8293

- 104535 JOKLIK, W. K. The intracellular uncoating of poxvirus DNA. I-II. *J. Molecular Biol.* 8(2): 263-288. Ref. Feb.1964. 442.8 J8224 Rabbit pox.
- 104536 LAMI, GY. Cumulation of polyvinylpyrrolidone in the liver and spleen. (Rus) *Acta Vet. [Budapest]* 14(1):105-111. Ref. 1964. 41.8 Ac83 German summary. Rabbits.
- 104537 LAMI, GY. The effect of parenterally administered histamine and collargol on the accumulation of dextran and polyvinylpyrrolidone in the liver and in the spleen. *Acta Vet. [Budapest]* 14(1):117-126. 1964. 41.8 Ac83 Rabbits.
- 104538 MACHNICKA-ROGUSKA, B. The occurrence of antigen in the blood and urine of rabbits in the course of experimental infection with *Trichinella spiralis*. *Wiad. Parazytol.* 9(5):465-475. 1963. 436.8 W63
- 104539 MAJIMA, Y., and KURIHARA, F. Hyperlipemia by bloodletting. (Ja) *Jap. Soc. Food & Nutr. J.* 16(5):109-112. Ref. 1964. 389.9 J27 English summary. Rabbits studied.
- 104540 MATHIAS, A. P., and others. Occurrence and function of polysomes in rabbit reticulocytes. *J. Molecular Biol.* 9(1):154-167. Ref. July 1964. 442.8 J8224 R. Williamson, H. E. Huxley, and S. Page, joint authors.
- 104541 MEDZON, E. L., and VAS, S. I. Studies on in vitro antibody production. II. The effect of Newcastle disease virus on antibody synthesis. *Canad. J. Microbiol.* 10(4):535-541. Ref. Aug. 1964. 448.8 C162 In rabbits.
- 104542 NEWMANN, E. A. A new method for restraining rabbits for percutaneous absorption studies. *Lab. Anim. Care* 13(3,pt.1):207-210. June 1963. 410.9 P94
- 104543 RAPSON, W. S., and JONES, T. C. Restraint of rabbits by hypnosis. *Lab. Anim. Care* 14(2): 131-133. Apr.1964. 410.9 P94
- 104544 SINELL, H. J., and MENTZ, I. Paper electrophoretic investigations with sera for the differentiation of proteins. II. Experiments with thermo-antigens. (Ge) *Berlin. u. Munch. Tierarztl. Wchnschr.* 77(13):253-258. July 1,1964. 41.8 B45 English summary. Rabbits.
- 104545 SPISNI, D., and MARIANI, A. P. Research on xanthurenic acid content in urine of rabbits parenterally treated with high doses of nicotinamide. (It) *Pisa. U. degli Studi. Facol. di Med. Vet. Ann.* 16:1-7. 1963, pub.1964. 41.9 P67 English summary.
- 104546 SUZUKI, M., and BIALY, G. Fertilizability of copper-ovulated rabbit ova. *Endocrinology* 75(2):288-289. Aug.1964. 448.8 En2
- 104547 TAKEISHI, M., KAMEMIZU, H., and SUGAWA, A. Morphological observations on implantation of the fertilized ovum in the rabbit. (Ja) *Tokyo. Nihon Univ. Col. Agr. Vet. Med. Bull.* 16:19-27. Mar.1963. 41.9 T5762 English summary.
- 104548 TAKEISHI, M., and others. Morphological observations on the unfertilized ovum of the rabbit at varying times after an intravenous application of H. C. G. (Ja) *Tokyo. Nihon Univ. Col. Agr. Vet. Med. Bull.* 16:28-35. Mar.1963. 41.9 T5762 T. Ouchi, K. Ichihara, T. Tsunekane, and A. Sugawa, joint authors. English summary.
- 104549 VACCA, C., KOCH, C., and VACCA, L. Effects on the functions of cerebellum-vestibular section of posterior roots in C<sub>1</sub>-C<sub>2</sub> of rabbit submitted to strong transversal acceleration. (It) *Acta Med. Vet.* 9(5):305-321. Sept./Oct.1963. 41.8 Ac84 English summary.
- 104550 VIZY, L. Nasal catarrh of domestic rabbits. (Hu) *Baromfitenyesztes* 8(2):28-29. Feb.1964. 47.8 B262
- 104551 YAROMENKA, S. A., and YAROMENKA, V. B. On the quantity of cerebrospinal fluid in rabbits. (Be) *Minsk. Belaruskaya Akad. Navuk. Vestsi. Ser. Biyal. Navuk* 1:97-100. Ref. 1964. 442.8 M66 Russian summary.

#### Miscellaneous

- 104552 BLYTH, J. The ARBA judging system. *Nat. Rabbit Raiser Mag.* 31(5):9,23. Feb.1964. 40.28 R11
- 104553 HOF, M. W. VAN, RIETVELD, W. J., and TORDOIR, W. E. M. Influence of illumination on locomotor activity of rabbits. *Acta Physiol. et Pharmacol. Neerland.* 12(3):266-274. 1963. 448.8 Ac83
- 104554 PLEASANTS, J. R., WOSTMANN, B. S., and ZIMMERMAN, D. R. Improved hand rearing methods for small rodents. *Lab. Anim. Care* 14(1):37-47. Ref. Feb.1964. 410.9 P94 Rabbits.
- 104555 ROIG MIRO, J. Industrial raising of rabbits and its limiting factors. (Sp) *Avicult. Tec.* 14(12):595-596,599,601-602. Dec.1963. 47.8 Av57 Rabbitries and their equipment.
- 104556 THOMSEN, J. J., and EVANS, C. A. The feral San Juan rabbit as a potentially useful laboratory animal. *Lab. Anim. Care* 14(2):155-160. Apr.1964. 410.9 P94

#### SHEEP AND GOATS

##### Breeds and Breeding

- 104557 BAKER, B., ABLE, B. V., and EDGAR, R. A. Ovum transfer in sheep. *Miss. Agr. Expt. Sta. Inform. Sheet* 853,1 p. May 1964. 100 M69In
- 104558 BATU, S., and others. A study on the body measurements, body weight, and wool production of three year old Karayaka X Merino F<sub>1</sub> ewes; and birth weight of F<sub>1</sub>-F<sub>2</sub> crossbred lambs at Karakoy State Farm. (Tu) *Ankara. Lalahan Zooteck. Arastirma Enstitusu. Dergisi* 3(3/4):5-20. Sept./Dec.1963. 49.9 An6 E. Ariturk, N. Utkanlar, F. Imeryuz, K. Oz-nacar, and S. Muftuoglu, joint authors. English summary.
- 104559 BENNETT, N. W. Density in Merino wool. *Agr. Gaz. N. S. Wales* 75(4):966-968. Apr.1964. 23 N472
- 104560 BICHARD, M., and YALCIN, B. C. Crossbred sheep production. III. Selection for growth rate and carcass attributes in the second-cross lamb. *Anim. Prod.* 6(2):179-187. Ref. June 1964. 49 An55
- 104561 BLACKFACE Sheep, 1964; the Blackface Sheep Breeders' Association journal, volume No. 17. Edinburgh, 1964. 80 p. 45.8 B56 Includes annual report and list of members.
- 104562 BRATANOV, K., and DIKOV, V. Hybrids between sheep and goats. (It) *Zootec. e Vet.* 19(1/2):21-25. Jan./Feb.1964. 41.8 Z7
- 104563 BROADBENT, J. S., and BOWMAN, J. C. Progeny testing of Suffolk rams on three maternal breeds. *Anim. Prod.* 6(2):215-225. June 1964. 49 An55 For fat lamb production.
- 104564 BUCHHOLTZ, A. Measures to insure increased reproduction in sheep flocks with special consideration on improving breeding performance. (Ge) *Tierzucht* 18(4):194-198. Apr.1964. 49 T443
- 104565 CRESCIONINI, J. B., LIZASUAIN, R., and UGARTE, R. Artificial insemination of the ovine in Uruguay. (Sp) *Zootec. e Vet.* 18(11/12):407-423. Nov./Dec.1963. 41.8 Z7 Italian summary.
- 104566 DONEY, J. M., and SMITH, W. F. Modification of fleece development in Blackface sheep by variation in pre- and post-natal nutrition. *Anim. Prod.* 6(2):155-167. Ref. June 1964. 49 An55



- 104567 DREAVAR, R. W., and MCLEOD, D. D. Tasmanian sheep breeds. *Tasmanian J. Agr.* 35(2): 114-124. May 1964. 23 T182T
- 104568 EASTOE, R. D. The Polwarth. *Agr. Gaz. N. S. Wales* 75(6):1092-1095. June 1964. 23 N472
- 104569 EDGAR, D. G., and BILKEY, D. A. Advancing the breeding season in ewes. *Ruakura Farmers' Conf. Week. Proc.* 1963:6-13. 49.9 R82  
Includes discussion.
- 104570 EDGAR, D. G., and BILKEY, D. A. The influence of rams on the onset of the breeding season in ewes. *Massey Agr. Col. Sheepfarming Annu.* 1963:157-165. 45.9 M38S  
Includes discussion.
- 104571 GAAL, M. Breeding of lamb-ewes at 8-12 months of age. (Hu) *Allattenyesztes* 13(2):125-132. June 1964. 49 AL57  
English summary.
- 104572 HAYMAN, R. H., and COOPER, D. W. The inheritance of black pigmentation in a family of inbred Peppin Merinos. *Austral. J. Agr. Res.* 15(3):453-460. Ref. May 1964. 23 Au783
- 104573 HUANG, J. C. Kiangsu and Chekiang goats. (Ch) *Nongye Jishu* 8:45-47. Aug. 1963. 22.5 N929
- 104574 KHATTAB, A. G. H., WATSON, J. H., and AXFORD, R. F. E. Associations between serum transferrin polymorphism and disturbed segregation ratios in Welsh Mountain sheep. *Anim. Prod.* 6(2):207-213. Ref. June 1964. 49 An55
- 104575 LUFF, A. F. Identification of pure breeding poll Merinos. *Agr. Gaz. N. S. Wales* 75(7): 1144-1148. July 1964. 23 N472
- 104576 NAWARA, W., KLUZ, I., and GRABKOWSKI, J. Wstepna ocena trykow owcy dlugowelnistej na podstawie potomstwa meskiego w Gdanskim Osrodku Hodowlanym za rok 1962. Preliminary evaluation of rams of longwool (Pomeranian) sheep on the basis of the male progeny in Gdansk Breeding Centre in 1962. *Krakow. Inst. Zootech. Wydawnictwa Wlasne* 162,132 p. Ref. 1963. 49.9 K85W  
English summary.
- 104577 NAWARA, W., OSIKOWSKI, M., and KAMINSKI, J. Wstepna ocena trykow polskiej owcy gorskiej na podstawie potomstwa meskiego w nowotarskim Osrodku Hodowlanym za rok 1962. Preliminary evaluation of rams of the Polish Mountain sheep on the basis of the male progeny in Nowy Targ Breeding Centre in 1962. *Krakow. Inst. Zootech. Wydawnictwa Wlasne* 161,91 p. Ref. 1963. 49.9 K85W  
English summary.
- 104578 NAWARA, W. Wstepna ocena trykow rasy merynos na podstawie potomstwa meskiego w owczarniach macierzystych za rok 1962. Primary evaluation of rams of the Merino breed on the basis of the male progeny in maternal sheep flocks in 1962. *Krakow. Inst. Zootech. Wydawnictwa Wlasne* 151,174 p. Ref. 1963. 49.9 K85W  
English summary.
- 104579 OZKOCA, A. Fertility results obtained with diluted and stored ram semen. (Tu) *Ankara. Lalahan Zooteh. Arastirma Enstitusu. Dergisi* 4(1):55-62. Ref. Mar. 1964. 49.9 An6  
English summary.
- 104580 POP, E., SALAJAN, G., and IOZON, D. Research works concerning the increase of the dilution grade of ram semen. (Rum) *Cluj. Inst. Agron. "Dr. Petru Groza."* *Lucrari Sti.* 19:227-234. 1964. 21 C622  
English summary.
- 104581 QUINLIVAN, T. D. Investigations into factors affecting flock fertility. *Massey Agr. Col. Sheepfarming Annu.* 1963:111-125. 45.9 M38S  
Includes discussion.
- 104582 RAE, A. L. Breeding for better lamb production. *Massey Agr. Col. Sheepfarming Annu.* 1963:167-182. 45.9 M38S  
Includes discussion.
- 104583 RAE, A. L. Comments on animal breeding overseas. *Massey Agr. Col. Sheepfarming Annu.* 1963:255-270. 45.9 M38S  
Chiefly sheep and beef cattle in Great Britain.
- 104584 ROWSON, L. E. Recent and future developments in artificial breeding. *Brit. Cattle Breeders' Club. Dig.* 19:51-60. 1963. 43.9 B775  
Ova transplants in sheep.  
Includes discussion.
- 104585 SETCHELL, B. P., and WAITES, G. M. H. Blood flow and the uptake of glucose and oxygen in the testis and epididymis of the ram. *J. Physiol.* 171(3):411-425. Ref. June 1964. 447.8 J82
- 104586 SETCHELL, B. P., WAITES, G. M. H., and TILL, A. R. Variations in flow of blood within the epididymis and testis of the sheep and rat. *Nature [London]* 203(4942):317-318. Ref. July 18, 1964. 472 N21
- 104587 SOLLER, M., and ANGEL, H. Polledness and abnormal sex ratios in Saanen goats. *J. Hered.* 55(3):139-142. Ref. May/June 1964. 442.8 Am3
- 104588 TILTON, W. A., and others. Effect of low energy and protein intake on growth and reproductive performance of young rams. *J. Anim. Sci.* 23(3):645-650. Aug. 1964. 49 J82  
A. C. Warnick, T. J. Cunha, P. E. Loggins, and R. L. Shirley, joint authors.  
Includes volume and analysis of semen.
- 104589 UTKANLAR, N., and others. A study on some properties of Kivircik's wool and relationship between them in Trakya (Thrace) region. (Tu) *Ankara. Lalahan Zooteh. Arastirma Enstitusu. Dergisi* 4(1):22-54. Ref. Mar. 1964. 49.9 An6  
F. Imeryuz, S. Muftuoglu, and K. Oznacar, joint authors.  
English summary.
- 104590 WANKIER, F. T. Purebred breeders focus attention on the demand. *Natl. Wool Grower* 54 (8):14-26. Aug. 1964. 45.8 N21N  
Includes remarks on wool and meat production in Western States.
- 104591 YUDIN, V. M., and KANTSEPOL'SKII, A. S. Specialization of Karakul sheep farms and organization of breeding. (Rus) *Zhivotnovodstvo* 3:68-78. Mar. 1964. 49 Z6  
Breeding for fur production.

#### Feeds and Feeding

- 104592 ALTONA, R. E., and MACKENZIE, H. I. Observations on cyanuric acid as a source of non-protein nitrogen for sheep. *So. African Vet. Assoc. J.* 35(2):203-205. June 1964. 41.8 So8
- 104593 ANDERSON, G. C., KROSNEY, M., and WILSON, H. A. Acid mine drainage and the acceptability of water by sheep. *W. Va. Agr. Expt. Sta. B.* 494:5-6. June 1964. 100 W52  
Pollution.
- 104594 BASHKATOV, V. A., YAROSHCHUK, S. K., and SUYAROV, V. F. Intensive feeding of lambs. (Rus) *Zhivotnovodstvo* 3:37-42. Mar. 1964. 49 Z6  
Effects on meat production.
- 104595 BOURKE, M. E. Rates of stocking in prime lamb production. *Agr. Gaz. N. S. Wales* 75(7): 1135-1137. July 1964. 23 N472  
Improved pasture.
- 104596 COETSEE, C. G., VERMEULEN, E. J., and DYASON, J. E. Flushing will improve your lamb crop. *Farming So. Africa* 40(3):52-53. June 1964. 24 So842
- 104597 COOP, I. E. Supplementary feeds for sheep. *Canterbury Chamber Com. Agr. B.* 417,4 p. May 1964. 23 C162
- 104598 DOBREV, D. An experiment for determining suitable rations and time for the fattening of castrated male lambs. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Zhivotn. Izv.* 17: 137-148. Ref. 1963. 49.9 B872I  
English summary.
- 104599 DOEHNER. Wirtschaftliche Lammermast [Economic lamb fattening]. Germany. *Land- u. Hauswirt. Auswertungs- u. Informdienst. [Veroffentl.]* 231,8 p. 1963. 18 G312V
- 104600 ESSIG, H. W., CHRISTIANS, C. J., and EDGAR, R. A. Fattening late crop lambs for fall market. *Miss. Agr. Expt. Sta. Inform. Sheet* 851, 2 p. May 1964. 100 M69In

- 104601 GAAL, L. Winter grazing of sheep. (Hu) Al-lattenyesztes 13(2):141-147. June 1964. 49 AL57  
English summary.
- 104602 HOPKINS, L. L., POPE, A. L., and BAUMANN, C. A. Contrasting nutritional responses to vitamin E and selenium in lambs. J. Anim. Sci. 23(3):674-681. Ref. Aug. 1964. 49 J82
- 104603 KANEV, S., and PEKHLIVANOV, M. Comparative studies on chemical composition, digestibility and nutritive value of some green feed for sheep and swine. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Zhivotn. Izv. 17:183-190. 1963. 49.9 B872I  
German summary.
- 104604 KOSCHAROV, A. N. Utilization of urea by ruminants. (Rus) Vest. Sel'skokhoz. Nauki [Moscow] 4:21-23. 1964. 20 V633  
English summary.  
Sheep.
- 104605 KUPATZ, B. Winter grazing for sheep herds. (Ge) Tierzucht 18(3):141-142. Mar. 1964. 49 T443
- 104606 LE GROS, G. Supplementary feeding of sheep. Queensland Agr. J. 90(6):357-361. June 1964. 23 Q33
- 104607 LEWIS, K. H. C., and CULLEN, N. A. Lamb weight gains on ryegrass and timothy-cocksfoot pastures. New Zeal. J. Agr. 108(6):537,539-540. June 15, 1964. 23 N48J
- 104608 MCINNES, P. Urea, a nitrogen supplement for sheep and cattle. Agr. Gaz. N. S. Wales 75(4):957-965. Apr. 1964. 23 N472
- 104609 NEATHERY, M. W. Influence of pasture quality and grain supplementation on summer lamb gains. J. Anim. Sci. 23(3):621-624. Ref. Aug. 1964. 49 J82
- 104610 PLATKANOV, N., and CHESHMEDZHIEV, B. Composition, digestibility and nutritive value of some feed in comparative tests with sheep and swine. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Zhivotn. Izv. 17:99-123. 1963. 49.9 B872I  
German summary.
- 104611 PRASAD, D. A. Studies on the chemical composition, digestibility and nutritive value of babul pods (*Acacia arabica*). Indian Vet. J. 41(6):418-421. June 1964. 41.8 In2  
Fed to goats.
- 104612 REIS, P. J., and SCHINCKEL, P. G. The growth and composition of wool. II. The effect of casein, gelatin, and sulphur-containing amino acids given per abomasum. Austral. J. Biol. Sci. 17(2):532-547. Ref. May 1964. 442.8 Au72
- 104613 SOLOMONOV, KH., and DIMITROV, D. An experiment for determining suitable rations for feeding ewes in the semi-mountainous area of the district of Mikhailovgrad. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Zhivotn. Izv. 17:173-182. 1963. 49.9 B872I  
English summary.
- 104614 SPOONER, A. E. Lamb grazing trials on winter supplemental pastures. Ark. Agr. Expt. Sta. B. 689, 21 p., map. June 1964. 100 Ar42
- 104615 SUIJDENDORP, H., and PARSONS, L. Weaning lambs under pastoral conditions. West. Austral. Dept. Agr. J. (ser.4)5(3):177-178. Mar. 1964. 23 W52J
- 104616 SYMINGTON, R. B. The urinary excretion of gonadotrophins by sheep: the effect of some nutritional factors on the excretion of gonadotrophins by castrated male sheep. J. Endocrinol. 29(3):229-234. Ref. June 1964. 448.8 J8293
- 104617 THOMSON, W., and GILL, J. C. The nutrition of the breeding ewe: lamb fattening: wool. In Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.241-247. Ref. 1963. 389.7 C97P
- 104618 ULYAKHIN, A. Needs of grazing sheep. (Rus) Sel'sk. Khoz. Kazakhstana 4:52-53. 1964. 20 K185  
Pastures and water.
- 104619 VAN DER MERWE, F. J. Drought feeding of sheep in the winter rainfall region. Farming So. Africa 40(4):57,59. July 1964. 24 So842  
Supplements.
- 104620 VAN NIEKERK, B. D. H. Drought feeding of sheep. Farming So. Africa 40(4):49,51. July 1964. 24 So842  
Supplements.
- 104621 WALLACE, L. R. Forward creep grazing of lambs. Ruakura Farmers' Conf. Week. Proc. 1963:14-27. 49.9 R82  
Includes discussion.
- 104622 WALLACE, L. R. Nutrition and fertility. Massey Agr. Col. Sheepfarming Annu. 1963:127-139. 45.9 M38S  
New Zealand.  
Includes discussion.
- 104623 WATSON, J. E. Set stocking has a place in soil conservation farming. West. Austral. Dept. Agr. J. (ser.4)5(3):142-144. Mar. 1964. 23 W52J  
Sheep grazing.

#### Veterinary Medicine

- 104624 ANDREANI, E., BRAGAZZI, G., and MARRAGHINI, M. The behaviour of the agglutinins in young ewes vaccinated with the strains B 19 and BA. (It) Pisa. U. degli Studi. Facol. di Med. Vet. Ann. 16:228-232. 1963, pub. 1964. 41.9 P67  
English summary.
- 104625 ASH, R. W., and KAY, R. N. B. Digestive secretions and the flow of food material in the sheep. In Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.127-140. Ref. 1963. 389.7 C97P
- 104626 BALDWIN, B. A. The anatomy of the arterial supply to the cranial regions of the sheep and ox. Amer. J. Anat. 115(1):101-111. Ref. July 1964. 447.8 Am32
- 104627 BENNETT, D. G., and TODD, A. C. Suppression of haemonchosis in artificially infected lambs by low-level phenothiazine (2- to 3- $\mu$ , purified). Amer. J. Vet. Res. 25(107):909-913. Ref. July 1964. 41.8 Am3A
- 104628 BENNETT, J. W., and HUTCHINSON, J. C. D. Thermal insulation of short lengths of Merino fleece. Austral. J. Agr. Res. 15(3):427-445. Ref. May 1964. 23 Au783
- 104629 BENTZONI, I. An attempt at the prevention of ovine gangrenous mastitis arising as a complication of foot-and-mouth disease. Refuah Vet. 20(4):244. Dec. 1963. 41.8 R25
- 104630 BIZZELL, W. E., and others. Effects of weaning time on parasitism of lambs. Amer. J. Vet. Res. 25(107):971-973. July 1964. 41.8 Am3A  
H. Ciordia, D. M. Baird, and H. C. McCampbell, joint authors.
- 104631 BLAIR-WEST, J. R., and others. The effect of bilateral nephrectomy and midcollicular decerebration with pinealectomy and hypophysectomy on the corticosteroid secretion of sodium-deficient sheep. J. Clin. Invest. 43(8):1576-1595. Ref. Aug. 1964. 448.8 J8295  
J. P. Coghlan, D. A. Denton, J. A. Munro, M. Wintour, and R. D. Wright, joint authors.
- 104632 BOZHILOV, B., MINEV, M., and KYURTOV, N. Discovery of sheep brucellosis in the District of Kolarovgrad. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 6:95-102. 1962. 41.9 So2  
English summary.
- 104633 BRADEN, A. W. H. The incidence of morphologically abnormal ova in sheep. Austral. J. Biol. Sci. 17(2):499-503. Ref. May 1964. 442.8 Au72
- 104634 BROOK, P. J., and MUTCH, G. V. Field control of facial eczema of sheep. New Zeal. J. Agr. Res. 7(2):138-145. May 1964. 23 N4892  
Caused by *Pithomyces chartarum*.
- 104635 BUTLER, E. J. The influence of pregnancy on the blood, plasma, and caeruloplasmin copper levels of sheep. Compar. Biochem. & Physiol. 9(1):1-12. Ref. May 1963. 444.8 C73
- 104636 COETSEE, C. G. It is always worth the trouble to dose sheep regularly against internal parasites. Farming So. Africa 40(3):61-62. June 1964. 24 So842



- 104637 COLLIER, J. R., and MOLELLO, J. A. Comparative distribution of *Brucella abortus*, *Brucella melitensis*, and *Brucella ovis* in experimentally infected pregnant sheep. *Amer. J. Vet. Res.* 25(107):930-934. Ref. July 1964. 41.8 Am3A
- 104638 COX, M. F. Comatose ewes respond to parenteral therapy. *Vet. Med./Small Anim. Clin.* 59(6):586. June 1964. 41.8 M69  
Treatment with a calcium dextrose compound.
- 104639 CRESSWELL, E., and BENZIE, D. Mineral metabolism of the ewe skeleton and dental problems in sheep. In Cuthbertson, D. P., ed. *Progress in nutrition and allied sciences*, p.249-258. Ref. 1963. 389.7 C97P
- 104640 CRISTA, N. The sensibility of intestinal interoceptors in sheep. (Rum) Bucharest. *Inst. Timisoara. Lucrari Sti.* 6:249-252. 1963. 106.4 T48  
English summary.
- 104641 DAVIS, L. E., WESTFALL, B. A., and DALE, H. E. Cerebral blood flow in the anesthetized goat: method of measurement and normal values. *Amer. J. Vet. Res.* 25(107):1159-1165. Ref. July 1964. 41.8 Am3A
- 104642 DAVIS, L. E., DALE, H. E., and WESTFALL, B. A. Effects of ruminal insufflation on venous return in the goat. *Amer. J. Vet. Res.* 25(107):1166-1174. Ref. July 1964. 41.8 Am3A
- 104643 DENNIS, S. M. Starvation/mismothering—a major cause of lambing losses. *West. Austral. Dept. Agr. J.* (ser.4)5(4):205-206. Apr. 1964. 23 W52J
- 104644 DENNIS, S. M. Tales from dead lambs; results of a survey of lambing losses. *West. Austral. Dept. Agr. J.* (ser.4)5(4):200-203. Apr. 1964. 23 W52J  
Causes of abortion.
- 104645 DICKSON, W. M., and SEEKINS, J. Blood plasma 17-hydroxycorticosteroid, blood glucose, and blood ketone body concentrations in intact and adrenalectomized pregnant ewes subjected to reduced food intake. *Amer. J. Vet. Res.* 25(107):955-962. Ref. July 1964. 41.8 Am3A
- 104646 DODD, D. C. Salmonellosis in sheep. *Ruakura Farmers' Conf. Week. Proc.* 1963:63-68. 49.9 R82  
Includes discussion.
- 104647 DRAGANOV, M. A case of D-enterotoxaemia in a 3-day old lamb. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 9:59-62. 1963. 41.9 So2  
English summary.
- 104648 DUN, R. B. Mulesing—ordinary or radical? *Agr. Gaz. N. S. Wales* 75(6):1058-1062. June 1964. 23 N472
- 104649 DZIUK, P. J., and others. Follicle growth and control of ovulation in the ewe following treatment with 6-methyl-17-acetoxypregesterone. *J. Anim. Sci.* 23(3):787-790. Aug. 1964. 49 J82  
F. C. Hinds, M. E. Mansfield, and R. D. Baker, joint authors.
- 104650 ENCHEV, S. Concerning the malignant (metastasizing) forms of the so-called pulmonary adenomatosis (jaagsiekte) in sheep. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 9:19-31. 1963. 41.9 So2  
English summary.
- 104651 ENCHEV, S. Research into pulmonary adenomatosis in sheep. III. Histomorphology and histogenesis. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 6:73-85. Ref. 1962. 41.9 So2  
English summary.
- 104652 ENSOR, C. R. Caseous lymphadenitis in sheep. *New Zeal. J. Agr.* 108(5):434-435, 442. May 15, 1964. 23 N48J
- 104653 FRASER, I. E. B. Studies on the follicle bulb of fibres. I. Mitotic and cellular segmentation in the wool follicle with reference to ortho- and parasegmentation. *Austral. J. Biol. Sci.* 17(2):521-531. Ref. May 1964. 442.8 Au72
- 104654 GALL, C. Body measurements in dairy goats and their relation to milk production. (Ge) *Munich. U. Inst. f. Tierzucht, Vereb.- u. Konstitutionsforsch. Arb.* 5:45-119. Ref. 1963. 49.9 M92  
English summary.
- 104655 GANS, J. H. Comparative effects of mannitol, chlorothiazide, and mercaptomerin on renal function in sheep. *Amer. J. Vet. Res.* 25(107):924-929. Ref. July 1964. 41.8 Am3A  
As diuretics.
- 104656 GANS, J. H. Vasopressin-induced saluresis in sheep. *Amer. J. Vet. Res.* 25(107):918-923. Ref. July 1964. 41.8 Am3A
- 104657 GEORGI, J. R. Absorption of hemoglobin iron-59 in sheep. *Amer. J. Vet. Res.* 25(107):952-954. July 1964. 41.8 Am3A
- 104658 GHELARDONI, E. Serum calcium levels in lambs experimentally infected with *Dictyocaulus filaria*. (It) *Pisa. U. degli Studi. Facol. di Med. Vet. Ann.* 16:248-253. Ref. 1963, pub. 1964. 41.9 P67  
English summary.
- 104659 GRESSON, R. A. R. Electron microscopy of the ovary of *Fasciola hepatica*. *Q. J. Microsc. Sci.* 105(2):213-218. Ref. June 1964. 440.8 Q2  
From sheep.
- 104660 HALPIN, G. T. A simplified mulesing crush. *West. Austral. Dept. Agr. J.* (ser.4)5(4):209-211. Apr. 1964. 23 W52J
- 104661 HAMORI, D. Data on occurrence of cryptorchism of sheep in Hungary. (Hu) *Allattenyésztes* 13(2):133-140. Ref. June 1964. 49 AL57  
English summary.
- 104662 HARTLEY, W. J., and BOYES, B. W. Incidence of ovine perinatal mortality in New Zealand with particular reference to intra-uterine infections. *New Zeal. Vet. J.* 12(2):33-36. Apr. 1964. 41.8 N483
- 104663 HINDS, F. C., DZIUK, P. J., and LEWIS, J. M. Control of estrus and lambing performance in cycling ewes fed 6-methyl-17-acetoxypregesterone. *J. Anim. Sci.* 23(3):782-786. Aug. 1964. 49 J82
- 104664 HOGAN, J. P. The digestion of food by the grazing sheep. I-II. *Austral. J. Agr. Res.* 15(3):384-407. Ref. May 1964. 23 Au783  
I, The rate of flow of digesta; II, The production of ammonia in the rumen.
- 104665 HOLDER, J. M. The effect of trichostrongylosis on pasture intake of sheep. *Austral. J. Agr. Res.* 15(3):408-416. Ref. May 1964. 23 Au783
- 104666 HORAK, I. G. Studies on paramphistomiasis. VI. The anthelmintic efficacy of lintex and freon [tetrachlorodifluoroethane] against *Paramphistomum* spp. in sheep and cattle. *So. African Vet. Med. Assoc. J.* 35(2):161-166. June 1964. 41.8 So8
- 104667 INSKEEP, E. K., and others. Some effects of progesterone on experimentally induced corpora lutea in ewes. *J. Anim. Sci.* 23(3):791-794. Aug. 1964. 49 J82  
B. E. Howland, A. L. Pope, and L. E. Casida, joint authors.
- 104668 IVANOV, I. Research into listeriosis in Bulgaria. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 6:53-64. Ref. 1962. 41.9 So2  
English summary.  
Sheep.
- 104669 IVANOV, I., DRAGANOV, M., and PEICHEV, B. Seroprophylaxis of salmonellosis in sheep and lambs. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 7:161-165. 1963. 41.9 So2  
English summary.  
Equine serum.
- 104670 IVANOV, I. S. Technique for preventing backflow of duodenal contents to gall-bladder in sheep with external cholecysto-duodenal anastomosis. (Rus) *Fiziol. Zhur. SSSR* 50(5):645-647. May 1964. 444.8 F58

- 104671 JAIN, N. C., SHARMA, G. L. Studies on *Corynebacterium pyogenes* mastitis in goats. I. Indian Vet. J. 41(6):379-385. Ref. June 1964. 41.8 In2
- 104672 JAKUBEC, V. Research on the effect of age on the greasy wool production of Merino Mutton sheep. (Cz) Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba 37(1):49-60. Jan. 1964. 49.9 C33  
German summary.
- 104673 KASSAI, T. The occurrence of *Protostrongylus brevispiculum* Mikacic, 1940 in Hungary. Acta Vet. [Budapest] 14(1):83-94. Ref. 1964. 41.8 Ac83  
Lungworm in sheep.
- 104674 KEISS, R. E., WILL, D. H., and COLLIER, J. R. Skin toxicity and hemodynamic properties of endotoxin derived from *Pasteurella hemolytica*. Amer. J. Vet. Res. 25(107):935-942. Ref. July 1964. 41.8 Am3A  
Hemodynamic effect in sheep and dermatotoxic effect in rabbits.
- 104675 KHRENOV, I. I. Effect of chronic stimulation of afferent nerves of mammary glands on gas metabolism of lactating goats. (Rus) Fiziol. Zhur. SSSR 50(3):314-318. Mar. 1964. 444.8 F58
- 104676 KIESEL, G. K., and CLARK, C. H. Iron-dextran and vitamin B complex for the treatment of anemia in adult sheep. Amer. Vet. Med. Assoc. J. 145(5):452-455. Ref. Sept. 1, 1964. 41.8 Am3
- 104677 KOWALCZYK, T., and others. Chronic copper toxicosis in sheep fed dry feed. Amer. Vet. Med. Assoc. J. 145(4):352-357. Ref. Aug. 15, 1964. 41.8 Am3  
A. L. Pope, K. C. Berger, and B. A. Muggen-burg, joint authors.
- 104678 KRUMHOLZ, D. An outbreak of foot-and-mouth disease (type O) in a flock of Awasi sheep. Refuah Vet. 20(4):245. Dec. 1963. 41.8 R25
- 104679 LAFENETRE, H., and others. The limits of protection through vaccination against brucellosis in the ewe. (Fr) Acad. Vet. de France. B. 37(3):117-121. Mar. 1964. 41.9 R24  
L. Carrere, A. Cortez, Y. Vollhardt, and H. Quatrefages, joint authors.  
Includes discussion.
- 104680 LARGE, R. V. The development of the lamb with particular reference to the alimentary tract. Anim. Prod. 6(2):169-178. Ref. June 1964. 49 An55
- 104681 LARSEN, A. B., HAWKINS, W. W., and MERKAL, R. S. Experimental vaccination of sheep against Johne's disease. Amer. J. Vet. Res. 25(107):974-976. July 1964. 41.8 Am3A
- 104682 LASCELLES, A. K., and others. The transfer of  $[^3\text{H}]$  stearic acid from chylomicra to milk fat in the goat. Biochem. J. 92(1):36-42. Ref. July 1964. 382 B52  
D. C. Hardwick, J. L. Linzell, and T. B. Mephram, joint authors.
- 104683 LITTLEJOHN, A. I. Foot-rot in feeding sheep. Vet. Rec. 76(27):741-742. July 4, 1964. 41.8 V641
- 104684 LUEDKE, A. J., and others. Clinical and pathologic features of bluetongue in sheep. Amer. J. Vet. Res. 25(107):963-970. Ref. July 1964. 41.8 Am3A  
J. G. Bowne, M. M. Jochim, and C. Doyle, joint authors.
- 104685 LUNDGREN, P. D. Uncommon complication for a lambing ewe. Vet. Med./Small Anim. Clin. 59(6):579. June 1964. 41.8 M69
- 104686 LYNCH, G. P., FULMINE, F. J., and HINER, R. L. Some indications of physiological stress in lambs subjected to various preslaughter treatments. J. Anim. Sci. 23(3):661-664. Ref. Aug. 1964. 49 J82
- 104687 LYNE, A. G., and BROOK, A. H. Neogenesis of wool follicles. Austral. J. Biol. Sci. 17(2):514-520. Ref. May 1964. 442.8 Au72  
On wounds.
- 104688 MACCHIONI, G. Experimental microascariasis in lambs infected with embryonated eggs of *Neoascaris vitulorum* (Goetze, 1782) Travassos, 1927. (It) Pisa. U. degli Studi. Facol. di Med. Vet. Ann. 16:254-266. Ref. 1963, pub. 1964. 41.9 P67  
English summary.
- 104689 MCDONALD, M. F. Some aspects of ovulation and early development in the ewe. Massey Agr. Col. Sheepfarming Annu. 1963:141-154. 45.9 M38S
- 104690 MASON, J. H., ROBINSON, M., and AUSTIN, J. C. The absorption and excretion of heterologous antitoxin in the sheep and dog. So. African Vet. Med. Assoc. J. 35(2):193-196. June 1964. 41.8 So8
- 104691 MENDEL, E. W. Birth of healthy triplets follows caprine ketosis cure. Vet. Med./Small Anim. Clin. 59(3):324. Mar. 1964. 41.8 M69
- 104692 MESSENGER, J. J. We can check lamb losses at marking. So. Austral. J. Agr. 67(10):328-333. May 1964. 23 So84
- 104693 MOYA, V., and BLOOD, B. D. Immunogenic activity of a biological product tested as a vaccine against hydatidosis in sheep. (Sp) B. Chileno de Parasitol. 19(1):7-10. Jan./Mar. 1964. 436.9 C43  
English summary.
- 104694 MUTCH, G. V., and BROOK, P. J. A survey of the extent of facial eczema in Hobson and Otamatea Counties, Northland. New Zeal. J. Agr. Rex. 7(2):129-137, map. May 1964. 23 N4892  
Disease of sheep caused by *Pithomyces chartarum*.
- 104695 NEFTYANOVA, E., and KRUSTEV, M. Research into enterotoxemia in sheep and lambs in the area of the district Veterinary Institutes in Turnovo and Stara Zagora. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 6:87-93. Ref. 1962. 41.9 So2  
English summary.
- 104696 NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF ANIMAL INDUSTRY. Standardisation of names of worm species in sheep and cattle. Agr. Gaz. N. S. Wales 75(6):1099-1100. June 1964. 23 N472
- 104697 OMAR, E. M., REAGOR, J. C., and KUNKEL, H. O. Ruminant development and distribution of intraruminal volatile fatty acids in suckling lambs. J. Anim. Sci. 23(3):729-733. Ref. Aug. 1964. 49 J82
- 104698 PATNAIK, M. M. On the synonymy of *Oesophagostomum bhandarai* with *Oesophagostomum asperum*. Indian Vet. J. 41(4):271-272. Apr. 1964. 41.8 In2  
Parasites of sheep and goat.
- 104699 PIERCE, K. R., CARROLL, L. H., and MOORE, R. W. Experimental transmission of ornithosis from sheep to turkeys. Amer. J. Vet. Res. 25(107):977-980. Ref. July 1964. 41.8 Am3A
- 104700 PLATIKANOV, N., and LAZAROV, V. On the growth rhythm and the effect of changing nutritional level on growth and future performance of lambs. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Zhivotn. Izv. 17:5-14. 1963. 49.9 B872I  
German summary.
- 104701 PREMIVATI. Effect of temperature on the development of free-living adults of *Strongyloides papillosus* (Wedl, 1856). Parasitology 53(3/4):483-489. Ref. Nov. 1963. 448.8 P21  
From sheep.
- 104702 ROGERS, G. E. Isolation and properties of inner sheath cells of hair follicles. Expt. Cell Res. 33(1/2):264-276. Ref. Jan. 1964. 442.8 Ex7  
In sheep.
- 104703 ROSE, J. H. Observations on the free-living stages of the stomach worm *Haemonchus contortus*. Parasitology 53(3/4):469-481. Ref. Nov. 1963. 448.8 P21  
Recovered from lambs and calves.



- 104704 ROSS, J. G. A survey of the helminth parasites of the gastrointestinal tract of sheep in Northern Ireland. North. Ireland. Min. Agr. Res. & Expt. Rec. 12(2):95-96. 1962, pub. 1964. 10 N81R
- 104705 RUSSELL, R. R., and TANNOCK, G. W. The isolation of *Salmonella oranienburg* from an ovine foetus in New Zealand. New Zeal. Vet. J. 12(2):25. Apr. 1964. 41.8 N483
- 104706 RYFF, J. F., WEIBEL, J. L., and THOMAS, G. M. Relationship of ovine to bovine anaplasmosis. Cornell Vet. 54(3):407-414. July 1964. 41.8 C81
- 104707 SAPRE, S. N. An outbreak of "blue tongue" in goats and sheep in Maharashtra State, India. Vet. Rev. 15(4):69-71. June 1964. 41.8 V6466
- 104708 SCOTT, J. D. J. Reducing wastage in ewes and lambs. New Zeal. J. Agr. 108(5):473,475,477. May 15, 1964. 23 N48J
- 104709 SHAKHMARDANOV, Z. A., and SOKOLOVA, K. F. Best date for the castration of rams. (Rus) Zhivotnovodstvo 3:44-45. Mar. 1964. 49 Z6  
Effects on growth.
- 104710 SHATROV, A. P. Paratuberculosis of sheep in Urals area. (Rus) Veterinariya 4:40-41. Apr. 1964. 41.8 V6426
- 104711 SHCHUREVSKII, V. I. Allergy and complement fixation reaction during experimental paratuberculosis of goats. (Rus) Veterinariya 4:20-21. Apr. 1964. 41.8 V6426
- 104712 SHTUN', F. O. Ozdorovlennya ovets' vid parazytoziv [Control of parasites of sheep]. Kyiv, Derzhavne Vydavnytstvo Sil's'kohospodars'koyi Literatury Ukrainy'skoyi RSR, 1963. 100 p. Ref. 41 Sh83
- 104713 SHUPE, J. L., and STORZ, J. Pathologic study of psittacosis-lymphogranuloma polyarthritidis of lambs. Amer. J. Vet. Res. 25(107):943-951. Ref. July 1964. 41.8 Am3A
- 104714 SILANGWA, S. M., and TODD, A. C. Effect of low-level 2- to 3- $\mu$  purified phenothiazine on immature worms of a phenothiazine-resistant isolate of *Haemonchus contortus*, Kentucky strain B. Amer. J. Vet. Res. 25(107):914-917. Ref. July 1964. 41.8 Am3A  
Tests with lambs.
- 104715 STANLEY, N. F., and others. The ecology and epidemiology of reovirus. Austral. J. Expt. Biol. & Med. Sci. 42(3):373-384, map. Ref. June 1964. 442.8 Au7  
P. J. Leak, G. M. Grieve, and D. Perret, joint authors.  
Includes sheep sera.
- 104716 SYMINGTON, R. B. The urinary excretion of gonadotrophins by sheep: extraction procedure and day-to-day fluctuation in excretion by male and female castrated sheep. J. Endocrinol. 29(3):215-228. Ref. June 1964. 448.8 J8293
- 104717 SZABO, I. Physiological studies of new urea products with rumen fistulated sheep. (Hu) Allattenyesztes 13(2):177-187. Ref. June 1964. 49 AL57  
English summary.
- 104718 TALLIS, G. M., and DONALD, A. D. Models for the distribution on pasture of infective larvae of the gastrointestinal nematode parasites of sheep. Austral. J. Biol. Sci. 17(2):504-513. May 1964. 442.8 Au72
- 104719 TALLIS, G. M., TURNER, H. N., and BROWN, G. H. The relationship between live measurements and edible meat in Merino wethers. Austral. J. Agr. Res. 15(3):446-452. May 1964. 23 Au783
- 104720 THOMAS, J. H. Proteolytic enzymes produced in liquid media by *Fusiformis nodosus*. Austral. J. Agr. Res. 15(3):417-426. Ref. May 1964. 23 Au783  
Footrot of sheep.
- 104721 TOMOV, TS. Distribution and seasonal incidence of anaerobic infections in sheep in Bulgaria. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 6:65-72. Ref. 1962. 41.9 So2  
English summary.  
Chiefly enterotoxemia.
- 104722 TULBAEV, P. Data on determination of motor function of rumen and abomasum of kids in ontogeny. (Rus) Uz. Nauch.-Issled. Inst. Zhivotn. Tr. 7:149-157. Ref. 1962. 49.9 Uz12T
- 104723 TULBAEV, P. On conditions of translocation of the whey of milk from abomasum to rumen in kids. (Rus) Uz. Nauch.-Issled. Inst. Zhivotn. Tr. 7:145-148. 1962. 49.9 Uz12T
- 104724 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL DISEASE ERADICATION DIV. Incidence of bluetongue reported in sheep during calendar year 1963. Hyattsville, Md., 1964. 4 p., map. A41.9 R317In
- 104725 USHIMI, C., and YOSHIDA, N. Studies on the effect of thyroid on vitamin A metabolism. I. (Ja) Jap. J. Vet. Sci. 25(6):355-361. Ref. Dec. 1963. 41.8 J27  
English summary.  
Goats and rats studied.
- 104726 WARD, P. F. V., SCOTT, T. W., and DAWSON, R. M. C. The hydrogenation of unsaturated fatty acids in the ovine digestive tract. Biochem. J. 92(1):60-68. Ref. July 1964. 382 B52
- 104727 WEINREB, M. M., and SHARAV, Y. Tooth development in sheep. Amer. J. Vet. Res. 25(107):891-908. Ref. July 1964. 41.8 Am3A
- 104728 WHITTEN, L. K. Field experiments with the new worm drench Thiabendazole. Massey Agr. Col. Sheepfarming Annu. 1963:249-253. 45.9 M38S
- 104729 WILLES, R. F., and MENDEL, V. E. A permanent omasal fistula for experimental studies in sheep. Amer. J. Vet. Res. 25(107):1302-1304. July 1964. 41.8 Am3A
- 104730 WINTER, H. Differences of bone marrow cells in sheep and man. Nature [London] 203(4942):311. July 18, 1964. 472 N21
- 104731 YEN, W. C. A preliminary report on the helminths of sheep and goats from Peking, with description of a new species. (Ch) Acta Zool. Sinica 15(2/4):217-226. June/Dec. 1963. 410 Ac87  
English summary.  
*Ostertagia longispiculata* n. sp.
- 104732 ZANNELLI, C. Ascorbic action in ovine treated with methyridine. (It) Acta Med. Vet. 9(5):377-381. Sept./Oct. 1963. 41.8 Ac84

#### Miscellaneous

- 104733 CARPENTER, Z. L., and others. Factors influencing retail carcass value of lambs. J. Anim. Sci. 23(3):741-745. Ref. Aug. 1964. 49 J82  
G. T. King, F. A. Orts, and N. L. Cunningham, joint authors.  
Effects of fatness and breed.
- 104734 COLORADO WOOL GROWERS ASSOCIATION. Colorado WGA convention returns to Glenwood. Natl. Wool Grower 54(8):42-43, 50. Aug. 1964. 45.8 N21N  
Includes resolutions.
- 104735 FLETCHER, W. S., ROGERS, A. L., and DONALDSON, S. S. The use of the goat as an experimental animal. Lab. Anim. Care 14(2):65-90. Ref. Apr. 1964. 410.9 P94
- 104736 HARVEY, D., and RIGG, J. C. Some aspects of goats as livestock. Nutr. Abs. & Rev. 34(3):641-645. Ref. July 1964. 389.8 N95  
Literature review.
- 104737 JEFFERIES, B. C. Lamb marking procedure. Tasmanian J. Agr. 35(2):82-87. May 1964. 23 T182T
- 104738 LARSEN, S. A. Second-cuts and their effect on worsted processing. Wyo. Wool Grower 37(4):20. Apr. 1964. 280.38 W99
- 104739 LOGGINS, P. E., and AMMERMAN, C. B. Sheared lambs gain faster under some climatic conditions. Sunshine State Agr. Res. Rpt. [Fla. Sta.] 9(3):5-6. July 1964. 100 F66Su
- 104740 MOORE, A. R. "Tally-hi": the new shearing method. Rur. Devlpmt. 18:18-20. May 1964. 281.28 R888

- 104741 MURPHY, W. J. B. The dairy goat. Sydney, Div. Anim. Indus., N. S. W. Dept. Agr., 1963. 77 p. 40.1 M95
- 104742 NAGARCENKAR, R. Further studies on the canary coloration of wool. *Zootec. e Vet.* 19 (1/2):15-20. Jan./Feb.1964. 41.8 Z7
- 104743 PERROT, H. The Provence lamb. (Fr) *PRO-VIMI Inform.* 38:8-9. First Q.1964. 389.78 P942  
Care and feeding.
- 104744 SCHANDL, J. How to increase the productivity of our sheep? (Hu) *Buvar* 9(1):7-9. Jan./Feb. 1964. 410 B98  
Care of sheep.
- 104745 SCHANDL, J. Sheep husbandry pays well. (Hu) *Magyar Mezőgazdaság* 19(18):17-18. Apr.29, 1964. 19 M27
- 104746 SUNG, C. Mass appraisal of the improved sheep. (Ch) *Nongye Jishu* 8:40-44. Aug.1963. 22.5 N929
- 104747 WANKIER, F. T. Keeping accurate records, a "must" for product improvement. *Natl. Wool Grower* 54(8):12. Aug.1964. 45.8 N21N
- 104748 WODZICKA-TOMASZEWSKA, M. The effect of shearing on sheep. *Ruakura Farmers' Conf. Week. Proc.* 1963:28-39. 49.9 R82  
Includes discussion.
- SWINE
- Breeds and Breeding
- 104749 ALBERTSEN, K. Poor health and pale meat of pigs. (Da) *Landbonyt* 18(2):51-53. Feb.1964. 11 L2322  
On the need for selecting vigorous breeding animals.
- 104750 CHANG, L. C., and KUO, C. C. Circular hybridization is a good method. (Ch) *Nongye Jishu* 5:28-29.7. May 1963. 22.5 N929  
Swine breeding.
- 104751 COX, D. F. Genetic variation in the gestation period of swine. *J. Anim. Sci.* 23(3):746-751. Ref. Aug.1964. 49 J82
- 104752 GABRIS, J. Study on the relations between the size of the skeleton and the carcass yield of some body parts of the meat-fat type of Improved White swine. (Cz) *Czechoslovakia. Min. Zemedel. Lesn. a Vodního Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba* 37(1):21-28. Ref. Jan.1964. 49.9 C33  
German summary.
- 104753 HAMMOND, SIR J. Artificial insemination for pigs. *Meat Trades J. Austral.* 27(6):61,63. June 1964. 50.8 M465
- 104754 HLADKY, V. Study on the most suitable productive type of Improved White swine. (Cz) *Czechoslovakia. Min. Zemedel. Lesn. a Vodního Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba* 36(12):707-716. Ref. Dec.1963. 49.9 C33  
German summary.
- 104755 HOFMANN, F., and HASSLER, G. Contribution to line breeding of swine. (Ge) *Tierzucht* 18 (1):24-27. Jan.1964. 40 T443
- 104756 HUNTER, R. H. E. Superovulation and fertility in the pig. *Anim. Prod.* 6(2):189-194. Ref. June 1964. 49 An55
- 104757 KAPLAN, F. Effect of various intensity of semen output on the semen production of breeder boars. (Cz) *Czechoslovakia. Min. Zemedel. Lesn. a Vodního Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba* 37(1):29-38. Ref. Jan.1964. 49.9 C33  
German summary.
- 104758 MATTHEWS, J. C. The Rodbaston Large Whites. *Gt. Brit. Min. Agr. Fisheries & Food. Agr.* 71(7):305-309. July 1964. 10 G79J
- 104759 OGER, Y. Artificial insemination of sows. (Fr) *Agr. Prat.* 128(5):27-29. May 1964. 14 J82
- 104760 ROB, O. Morphological sperm study in the diagnosis of fertility disturbances of breeding boar. (Cz) *Czechoslovakia. Min. Zemedel. Lesn. a Vodního Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba* 36(12):717-726. Ref. Dec.1963. 49.9 C33  
German summary.
- 104761 ROF CODINA, J. The improved native Belgian swine. I-II. (Sp) *Cult. Mod.* 47(2):56-58; (3): 88-89. Feb.-Mar.1964. 15 C89  
From German improved Landrace x Dutch Landrace.
- 104762 SCHAAF, A. The way to meat swine in Bulgaria. (Ge) *Tierzucht* 17(12):551-553. Dec.1963. 49 T443  
Breeding.
- 104763 SCHOBEL, C. Practical breeding work in swine rearing and its results in two socialistic large farms of the Soviet Union. (Ge) *Tierzucht* 17 (12):548-551. (Concl.) Dec.1963. 49 T443
- 104764 SMIDT, D., and SCHEVEN, B. Artificial insemination in miniature pigs. (Ge) *Deut. Tierarztl. Wchnschr.* 71(12):324-327. June 15,1964. 41.8 D482  
English summary.
- 104765 TIKHONOV, V. Immunogenetical comparison of Estonian Lop-eared breed with Large White and Swedish Landrace by blood groups. (Rus) *Akad. Nauk Estonskoi SSR. Izv. Ser. Biol.* 3: 205-212. 1963. 442.9 Ak18  
English summary.
- 104766 WARD, H. K., REMPEL, W. E., and ENFIELD, F. D. Genetic relationship of weaning weight with post-weaning growth rate in swine. *J. Anim. Sci.* 23(3):651-655. Ref. Aug.1964. 49 J82
- Feeds and Feeding
- 104767 BALOGH, G., and others. A vitaminic treatment on pregnant sows and its efficiency on the development of the litters for 30 days after farrowing. (Rum) *Cluj. Inst. Agron. "Dr. Petru Groza."* *Lucrari Sti.* 19:277-281. 1964. 21 C622  
S. Pap, N. Mitrea, and I. Casu, joint authors.  
English summary.
- 104768 BROWN, L., and TUCKER, H. Pigs are weaned at 35 days of age in new Alabama trials. *Feed Bag* 40(8):3. Aug.1964. 389.78 F32
- 104769 BURNETT, G. S., and NIEL, E. L. The influence of processing and of certain crude enzyme preparations on the utilisation of cereals by pigs. *Anim. Prod.* 6(2):237-244. Ref. June 1964. 49 An55
- 104770 DELORT-LAVAL, J., CHARLET-LERY, G., and DOGAN, K. The efficiency of some alimentary protides in the pig. III. The development of nitrogenous excretion in urine during the re-feeding phase after protein starvation. (Fr) *Ann. de Biol. Anim. Biochim. Biophys.* 3(3):255-262. Ref. 1963. 442.8 An75  
English summary.
- 104771 DUNIEC, H., PLONKA, S., and PIJAROWSKI, A. Meat production by feeding with standard feed mixtures with limited and unlimited access to feed. (Pol) *Krakow. Inst. Zootech. Wydawnictwa Wlasne* 159:5-18. Ref. 1962, pub.1963. 49.9 K85W  
Swine; includes costs.
- 104772 ELSLEY, F. W. H., MCDONALD, I., and FOWLER, V. R. The effect of plane of nutrition on the carcasses of pigs and lambs when variations in fat content are excluded. *Anim. Prod.* 6(2):141-154. Ref. June 1964. 49 An55
- 104773 ERSHOVA, E. M., PYANOVSKAYA, T. P., and KOLPAKOVA, N. V. Silage mixtures for swine. (Rus) *Uz. Nauch.-Issled. Inst. Zhivotn. Tr.* 7:61-73. 1962. 49.9 Uz12T
- 104774 FEHER, K. Investigation of rearing of early weaned piglets. (Hu) *Allattenyesztes* 13(2): 149-156. Ref. June 1964. 49 AL57  
English summary.



- 104775 FRANK, E. R., and BACKHAUSS, J. Economic benefits in the use of Mastapan. (Ge) Tierzucht 18(1):37-38. Jan.1964. 49 T443 Swine feeding.
- 104776 FRIEND, D. W., and CUNNINGHAM, H. M. Effects of feeding frequency on metabolism, rate and efficiency of gain and on carcass quality of pigs. J. Nutr. 83(3):251-256. Ref. July 1964. 389.8 J82
- 104777 GREELEY, M. G., MEADE, R. J., and HANSON, L. E. Energy and protein intakes by growing swine. I. Effects on rate and efficiency of gain and on nutrient digestibility. J. Anim. Sci. 23(3):808-815. Ref. Aug.1964. 49 J82 Includes formulas.
- 104778 GREELEY, M. G., and others. Energy and protein intakes by growing swine. II. Effects on rate and efficiency of gain and on carcass characteristics. J. Anim. Sci. 23(3):816-822. Ref. Aug.1964. 49 J82 R. J. Meade, L. E. Hanson, and J. Nordstrom, joint authors. Includes formulas.
- 104779 GRIFO, A. P., TEAGUE, H. S., and DEHORITY, B. A. Vitamin B<sub>12</sub> for growing-finishing pigs. J. Anim. Sci. 23(3):771-774. Ref. Aug.1964. 49 J82 Some basal rations.
- 104780 KNUDSEN, P. H. Production of baby pigs. (Da) Naesgaardsbogen 1963:55-57. 104 N12N Feeding.
- 104781 LUCAS, I. A. M. Studies on the nutrition of the pig. In Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.287-297. Ref. 1963. 389.7 C97P
- 104782 MCNAMARA, P. Pigs have a place in the dairying areas. West. Austral. Dept. Agr. J. (ser.4)5(3):149-151. Mar.1964. 23 W52J Skim milk as pig feed.
- 104783 MAYROSE, V. B., and others. Effect of an antibiotic (tylosin) and protein source on swine reproduction. J. Anim. Sci. 23(3):737-740. Ref. Aug.1964. 49 J82 V. C. Speer, V. W. Hays, and J. T. McCall, joint authors.
- 104784 MODERN VETERINARY PRACTICE. The pros and cons on limited feeding for swine. Mod. Vet. Pract. 45(7):40-43. June 1964. 41.8 N812
- 104785 MONTE, R. DEL., TARDANI, A., and LUX, B. The use of dry mycelium from streptomycin in the nutrition of fattening swine. (It) Riv. di Zootec. 37(6):377-382. June 1964. 49 R52
- 104786 OBYDENNOV, V. A. Function of thyroid gland and the fattening of swine. (Rus) Zhivotnovodstvo 3:42-43. Mar.1964. 49 Z6 Effects of thyroid stimulating iodine compounds on meat production.
- 104787 PARTANEN, J. Skim milk, dried whey, meat-bone meal and soybean meal as protein sources in swine fodder. (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:248-255. 1964. 64.9 F49 English summary.
- 104788 PLATIKANOV, N., and others. Volume studies of feed in two rations for difference determination experiment in digestibility. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Zhivotn. Izv. 17:157-172. Ref. 1963. 49.9 B872I B. Cheshmedzhiev, Kh. Prenchev, and T. Naidenov, joint authors. German summary. Swine and sheep.
- 104789 POUTAINEN, E. Silage consumption trial with young sows. (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:256-261. 1964. 64.9 F49 English summary.
- 104790 RAIMONDI, R. Results of a comparative test for fattening new meat-type Yorkshire Large White hogs and Landrace hogs. (It) Riv. del Latte 20(3):39-41. May/June 1964. 280.28 R52
- 104791 RICHMOND, W. L., and MONROE, L. L. Feeder pigs. Miss. State U. Agr. Ext. P. 506,6 p.-folder, map. Apr.1964. 275.29 M68Ext
- 104792 ROBINSON, D. W. The plane of nutrition and compensatory growth in pigs. Anim. Prod. 6(2):227-236. Ref. June 1964. 49 An55
- 104793 SCHLEGEL, W., and JAHNE, H. Iron dextran injection to piglets to improve rearing results. (Ge) Tierzucht 18(4):192-193. Apr.1964. 49 T443 Feed deficiencies.
- 104794 SEWELL, R. F., and others. Vitamin B<sub>6</sub> requirement of early-weaned pigs. J. Anim. Sci. 23(3):694-699. Ref. Aug.1964. 49 J82 D. Nugara, R. L. Hill, and W. A. Knapp, joint authors. Includes formulas.
- 104795 TODD, A. C. E., and PRESTON, D. B. Feeding soybeans to pigs. Queensland Agr. J. 90(7):420-422. July 1964. 23 Q33
- 104796 TRIMARCHI, G. Proteins and antibiotics in the ration of nursing sows. (It) Pisa. U. degli Studi. Facol. di Med. Vet. Ann. 16:396-417. Ref. 1963, pub.1964. 41.9 P67 English summary.
- 104797 WALLACE, H. D., and others. High level copper for growing-finishing swine. Fla. Agr. Expt. Sta. Dept. Anim. Sci. Mimeo. Ser. 63-17, 7 p. May 1963. 49.9 F66 G. E. Combs, R. L. Shirley, R. H. O'Bannon, joint authors. Swine rations.
- 104798 WALLACE, H. D., COMBS, G. E., and O'BANNON, R. H. The value of amphotericin fed singly or in combination with other feed additives to growing-finishing swine. Fla. Agr. Expt. Sta. Dept. Anim. Sci. Mimeo. Ser. 63-15, 6 p. Apr.1963. 49.9 F66
- 104799 WEISSBACH, F., and LAUBE, W. Feed intake and protein portion in grain feeding of swine with commercial feed. (Ge) Futterungsberatung 4(sup.5):37-41. In Tierzucht 17(10). Oct. 1963. 49 T443
- 104800 WOHLBIER, W., and GIESSLER, H. The suitability of glue factory hide as feed for fattening swine and chicks. (Ge) Landwirt. Forsch. 16(3):248-255. Ref. 1963. 18 L2333 English summary.

#### Veterinary Medicine

- 104801 ABOVYAN, A. V. Treatment of gastroenteritis of baby pigs with monomycin. (Rus) Svinovodstvo 6:42-43. June 1964. 46.8 Sv33
- 104802 AHL, R. Casuistic and diagnosis of dietetic microangiopathy (mulberry heart disease) of swine. (Ge) Tierarztl. Umschau 19(7):350-353. July 1, 1964. 41.8 T445
- 104803 AIKEN, J. M., and BLCRE, I. C. Immunology of newborn pigs: response to lapinized hog cholera virus in colostrum-deprived and suckling pigs. Amer. J. Vet. Res. 25(10):1134-1140. Ref. July 1964. 41.8 Am3A
- 104804 AIRAPETIAN, V. G., KHACHATRYAN, A. B., and BOYADZHYAN, G. K. Properties of hog cholera virus grown in tissue cultures. 3 p. Transl. 14000 Translation from Veterinariya 10:29-30. Oct. 1963.
- 104805 ALBER, C. L. Cadmium toxicity in swine. Vet. Med. 58(11):893. Nov.1963. 41.8 M69
- 104806 ARKHIPOV, N. I. Histochemical study of ribonucleoproteids and glycogen in myocardium of swine stricken with hog cholera. (Rus) Veterinariya 4:12-14. Ref. Apr.1964. 41.8 V6426
- 104807 BARZOI, D. Enzootic necrobacillosis in pigs. (Rum) Rev. de Zooteh. si Med. Vet. 13(10):55-60. Oct.1963. 49 P943
- 104808 BARZYALIS, L. S. The problem of producing infectious atrophic rhinitis in swine experimentally. 3 p. Transl. 14012 Translation from Veterinariya 11:52-53. Nov.1963.
- 104809 BERBINSCHI, C. Investigations about the tracing of the Aujeszky disease virus in the body of animals inoculated with the Aujeszky disease virus, absorbed and saponified. (Rum) Rev. de Zooteh. si Med. Vet. 13(1):64-71. Ref. Jan.1963. 49 P943 English summary. Swine.

- 104810 BERGMANN, H., and others. Vergleichende Untersuchungen über die Wirksamkeit einiger in verschiedenen Ländern hergestellter Kristall-Violet-Vakzinen gegen Schweinepest [Comparative researches into the effectiveness of some crystal-violet-vaccines against hog cholera]. 12 p. 41 B4523  
J. Brauner, A. F. Olechnowitz, M. Potocek, H. Rohrer, D. Schmidt, O. Sima, M. Snizek, and J. Vlcek, joint authors.  
No source of translation given.
- 104811 BESSONOV, A. S. Comparative effectiveness of various methods of diagnosis of trichinosis of swine. (Rus) Veterinariya 4:61-62. Apr.1964. 41.8 V6426
- 104812 BOCH, J., ROMMEL, M., and JANITSCHKE, K. Studies on toxoplasmosis in pigs. II. (Ge) Berlin. u. Munch. Tierarztl. Wchnschr. 77(12): 244-247. Ref. June 15, 1964. 41.8 B45  
English summary.
- 104813 BOWERMAN, A. M., ANDERSON, L. L., and MELAMPY, R. M. Urinary estrogens in cycling, pregnant, ovariectomized and hysterectomized gilts. Iowa State J. Sci. 38(4):437-445. Ref. May 15, 1964. 470 Io9
- 104814 BRUGH, M., FOSTER, J. W., and HAYES, F. A. Studies on the comparative susceptibility of wild European and domestic swine to hog cholera. Amer. J. Vet. Res. 25(107):1124-1127. July 1964. 41.8 Am3A
- 104815 BURKE, R. P., VOLKER, L., and LORNEZ, E. On the effect of ferrous fumarate as effective prophylactic against suckling pig anemia. I. Oral administration of ferrous fumarate to mother sows. (Ge) Landwirt. Forsch. 17(1): 33-46. 1964. 18 L2333  
English summary.
- 104816 BUTUZOV, G. M. The effectiveness of vaccination of swine against leptospirosis. (Rus) Veterinariya 4:46-47. Apr.1964. 41.8 V6426
- 104817 CALDAS, A. D. Control of swine brucellosis. (Por) Biologico 29(8):164-166. Aug.1963. 442.8 B529  
Brazil.
- 104818 CERNY, J. Malignant melanoma in a boar's tail. Vet. Med. 58(12):963. Dec.1963. 41.8 M69
- 104819 CHENCHEV, I., and DUMANOV, I. On the connection of the nervous system with infection and immunity. 7. Effect of the differences in the functional state of the cerebral cortex on immunogenesis in pigs. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 6:5-10. 1962. 41.9 So2  
English summary.  
Hog cholera.
- 104820 CHILEV, D., and MILANOV, M. Study of strains of Brucella isolated in the District of Burgas. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 6:109-114. Ref. 1962. 41.9 So2  
English summary.  
Includes swine.
- 104821 CHOLAKOVA, S. Research into the immunogenic properties of an avirulent strain of Erysipelothrix rhusiopathiae, isolated in Bulgaria. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 6:137-142. Ref. 1962. 41.9 So2  
English summary.  
From pig; vaccine against swine erysipelas obtained.
- 104822 CUNNINGHAM, H. M., and FRIEND, D. W. Effect of nicotine on nitrogen retention and fat deposition in pigs. J. Anim. Sci. 23(3):717-722. Ref. Aug.1964. 49 J82
- 104823 DANILEVSKII, V. M. Prophylaxis and treatment of baby pig diseases; review. (Rus) Veterinariya 4:70-71. Apr.1964. 41.8 V6426
- 104824 DANNENBERG, H. D., and WESCHE, W. D. Prophylaxis in stomach and intestinal diseases of large swine herds. (Ge) Tierzucht 18(4): 181-183. Apr.1964. 49 T443
- 104825 DARDIRI, A. H., DELAY, P. D., and BACH-RACH, H. L. Effect of 2-(2-hydroxybenzyl) benzimidazole on Teschen disease virus, pig enteric viruses, and foot-and-mouth disease virus in kidney cell cultures. Canad. J. Compar. Med. & Vet. Sci. 28(7):161-168. Ref. July 1964. 41.8 C162
- 104826 DARDIRI, A. H., and DELAY, P. D. Production of high potency anti-Teschen disease serum from rabbits and guinea pigs. Canad. J. Compar. Med. & Vet. Sci. 28(1):3-7. Ref. Jan.1964. 41.8 C162
- 104827 DENISOV, A. I. Trichocephalosis of swine. (Rus) Veterinariya 4:57-58. Apr.1964. 41.8 V6426
- 104828 DIMITROV, N. Brucellosis of pigs and its control in Bulgaria. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 6:213-232. map. Ref. 1962. 41.9 So2  
English summary.
- 104829 DONNELLY, W. J. C. Some observations on "mulberry heart" disease. Irish Vet. J. 18(6): 101-106. Ref. June 1964. 41.8 Ir4  
Swine.
- 104830 DRAGHICI, D. Enteroviruses and pigs' pathology. (Rum) Rev. de Zooteh. si Med. Vet. 13(10): 49-54. Ref. Oct.1963. 49 P943
- 104831 DUNNE, H. W. Another look at hog cholera immunizing agents. Norden News 39(1):10-11, 14-15. Mar.1964. 41.8 N75
- 104832 DUNNE, H. W., and HOKANSON, J. F. A modern approach to abortion and stillbirth problems in swine. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:54-59. Ref. 1963. 41.9 Un3
- 104833 ESSENBURG, J. F. W. Intersexualiteit bij varkens [Intersexuality in swine]. Wageningen. Cent. v. Landbdoc. Litoverz. 28,24 p. Ref. 1963. 242.7 W12  
English summary.
- 104834 FOLKERS, C. Toxoplasmosis in pigs. I. The influence of age on the pathogenicity of Toxoplasma gondii for pigs. Vet. Rec. 76(27):747-749. Ref. July 4, 1964. 41.8 V641
- 104835 FRIK, J. F., BOIS, C. H. W. DE, and HELLEMOND, K. K. VAN. Specific pathogen-free pigs. (Du) Tijdschr. v. Diergeneesk. 89(14): 979-991. July 15, 1964. 41.8 T431  
English summary.
- 104836 GENEV, H., and others. Study of infectious pneumonias of pigs in Bulgaria. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 7:5-20. 1963. 41.9 So2  
S. Zhekov, B. Vachev, D. Denev, and R. Iordanov, joint authors.  
English summary.
- 104837 GENEV, KH. Agglutinins and their significance in determining the immune state in swine erysipelas. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 9:69-77. Ref. 1963. 41.9 So2  
English summary.
- 104838 GENEV, KH. Certain data concerning the clinic of swine erysipelas. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 6:129-136. Ref. 1962. 41.9 So2  
English summary.
- 104839 GETTY, R. Epidural anesthesia in the hog—its technique and applications. Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:88-98. 1963. 41.9 Un3
- 104840 GORHAM, P., ALBERS, H. F., and PENNINGTON, R. W. Experimental rabies treatment in the sow. Vet. Med./Small Anim. Clin. 59(3): 321-322. Mar.1964. 41.8 M69
- 104841 GREEN, D. A., and OLDHAM, J. N. Resistance in pigs to artificial infection with Ascaris lumbricoides. Vet. Rec. 76(25):671-673. Ref. June 20, 1964. 41.8 V641  
Piperazine adipate tested.



- 104842 GYORKEY, F., and REISER, R. Experimental dietary arteriosclerosis in young swine. *Acta Morph.* 12(4):415-427. Ref. 1964. 444.8 Ac85  
Includes cholesterol in the diet.
- 104843 HANSARD, S. L., and others. Nutritional anemia in nursing pigs. *Feedstuffs* 36(31):54-55,58. Ref. Aug.1,1964. 286.81 F7322  
F. H. Hoskins, N. Alford, D. M. Thrasher, and J. V. Lowe, joint authors.
- 104844 HANSEN, R., and others. Incidence of Salmonella in the hog colon as affected by handling practices prior to slaughter. *Amer. Vet. Med. Assoc. J.* 145(2):139-140. July 15,1964. 41.8 Am3  
R. Rogers, S. Emge, and N. J. Jacobs, joint authors.
- 104845 HOFMANN, F., and HASSLER, G. Body length an aid in selecting meat producing swine. (Ge) *Tierzucht* 18(2):89. Feb.1964. 49 T443
- 104846 HOLDAS, S., CSOKA, S., and PAPP, J. The effect of sex on meat and fat formation of swine. (Hu) *Allattenyesztes* 13(2):157-163. Ref. June 1964. 49 AL57  
English summary.
- 104847 HSIAO, P. H. The Chinese medicine, "san-k'o-chen" cures diarrhea in young swine. (Ch) *Nongye Jishu* 6:35. June 1963. 22.5 N929
- 104848 HUGHES, D. L. Colibacillosis in baby pigs. *Vet. Med.* 58(7):593-596. Ref. July 1963. 41.8 M69
- 104849 IONESCU, E. Remarks on the focus of paratyphosis of swine. (Rum) *Rev. de Zooteh. si Med. Vet.* 13(10):66-68. Oct.1963. 49 P943
- 104850 JAMKHEDKAR, P. P., and others. Infectious mastitis in sows. *Indian Vet. J.* 41(6):385-391. June 1964. 41.8 In2  
N. A. Varaya, K. G. Vengurlekar, and P. B. Saigaonkar, joint authors.  
Caused by Klebsiella and Staphylococcus agents.
- 104851 JOHANSSON, I. Arftligt betingade defeder hos svin. Hereditary defects in pigs. Uppsala. *Lantbrhogsk. Meddel. Ser. A.* 14,42 p. Ref. 1964. 11 Up62  
English summary.  
Review.
- 104852 JONSSON, P. The rhinitis problem; changes of the nose of Danish Landrace pigs. (Da) *Tolvmandsbladet* 36(3):109-114. Mar.1964. 11 T58
- 104853 KAEBERLE, M. L., and SEGRE, D. Intestinal absorption of homologous and heterologous serum globulins by the newborn pig. *Amer. J. Vet. Res.* 25(107):1096-1102. Ref. July 1964. 41.8 Am3A
- 104854 KAEBERLE, M. L., and SEGRE, D. The persistence of passively administered antibodies of homologous and heterologous origin in the circulation of baby pigs. *Amer. J. Vet. Res.* 25(107):1103-1111. Ref. July 1964. 41.8 Am3A  
Globulin concentrates.
- 104855 KARASSZON, D., and BODON, L. Denonstration of the swine-fever virus in tissue culture by immunofluorescence. *Acta Microbiol.* 10(3):287-291. Ref. 1963. 448.3 Ac84
- 104856 KELLEY, G. W., and NAYAK, D. P. Acquired immunity to migrating larvae of *Ascaris suum* induced in pigs by repeated oral inoculations of infective eggs. *J. Parasitol.* 50(4):499-503. Aug.1964. 448.8 J824
- 104857 KELLEY, G. W. Newer anthelmintics for swine. *Vet. Med.* 58(11):866-869. Ref. Nov. 1963. 41.8 M69
- 104858 KHRISTOV, I. Research into the action of killed Salmonellae and beta-haemolytic coli bacteria injected in pregnant sows. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 9:83-88. Ref. 1963. 41.9 So2  
English summary.
- 104859 KIRSCHNER, L. B., and BARKER, J. Turnover of phosphatidic acid and sodium extrusion from mammalian erythrocytes. *J. Gen. Physiol.* 47(6):1061-1078. Ref. July 1964. 447.8 J822  
Swine and cattle.
- 104860 KONOPATKIN, A. A. Immunity and blood protein of piglets in a normal state, with hog cholera, and after ASV inoculation. 6 p. *Transl.* 14014  
Translation from *Veterinariya* 11:43-47. Nov.1963.
- 104861 KORNEGAY, E. T., and others. Effects of urease immunization of growing pigs upon performance and blood and intestinal ureolysis. *J. Anim. Sci.* 23(3):688-693. Ref. Aug.1964. 49 J82  
E. R. Miller, D. E. Ullrey, and J. A. Hoefer, joint authors.
- 104862 KRUSTEV, M. Investigations into swine dysentery. II. Carrying and excretion of *Vibrio suis* and their significance in the spread of the disease. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 7:21-28. 1963. 41.9 So2  
English summary.
- 104863 KUZNETSOVA, A. M. Characteristics of the development of leptospirosis in swine. (Rus) *Veterinariya* 4:45-46. Apr.1964. 41.8 V6426
- 104864 LINDLEY, W. H. Gastric mycosis of young pigs. *Vet. Med.* 58(11):899. Nov.1963. 41.8 M69
- 104865 LOAN, R. W., and GUSTAFSON, D. P. Persistent infections of subculturable swine buffy coat cells with hog cholera virus. *Amer. J. Vet. Res.* 25(107):1120-1123. July 1964. 41.8 Am3A
- 104866 LOVEDAY, R. K. Lactational failure in the sow. *So. African Vet. Med. Assoc. J.* 35(2):229-233. June 1964. 41.8 So8  
Post-partum agalactia.
- 104867 LU, C. A geographical analysis of contagious diseases of swine. (Ch) *Nongye Jishu* 10:37-38. Oct.1963. 22.5 N929
- 104868 MCMANUS, B. Investigations on the outbreak of sarcosporidiosis in pigs for slaughtering in Thuringia. (Ge) (Excerpt.) *Angew. Parasitol.* 4(3):140-150. Ref. Sept.1963. 436.8 An4  
English summary.
- 104869 MADSEN, J. P. Disease statistics from the Soro area Andelssvineslagteri, 1960-1963. (Da) *Danske Dyrlaegefor. Medlemsbl.* 47(16):909-915. Aug.15,1964. 41.9 D23  
Swine.
- 104870 MAIBORODA, A. A., and VISLOV, A. I. Eradication of brucellosis on swine farms. (Rus) *Svinovodstvo* 6:41-42. June 1964. 46.8 Sv33
- 104871 MANSVELT, P. R. Prevent and control African swine fever. *Farming So. Africa* 40(3):8, 49. June 1964. 24 So842
- 104872 MANTA, D., and POP, E. An improved method for the castration of young pigs. (Rum) *Cluj. Inst. Agron. "Dr. Petru Groza." Lucrari Sti.* 19:303-309. 1964. 21 C622  
English summary.
- 104873 MARCATO, P. S., and BACCHI, G. Histopathological study of renal lesions in hog cholera. (It) *Acta Med. Vet.* 9(3/4):225-238. Ref. May/Aug.1963. 41.8 Ac84  
English summary.
- 104874 MARRAGHINI, M., and CROCE, G. DELLA. Further observations on porcine leptospirosis in Italy. (It) *Pisa. U. degli Studi. Facol. di Med. Vet. Ann.* 16:215-227. 1963, pub.1964. 41.9 P67  
English summary.
- 104875 MATEEV, M., and KRUSTEV, V. Effect of the concentration of NaCl on Wright's agglutination reaction in swine brucellosis. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 9:191-196. Ref. 1963. 41.9 So2  
English summary.
- 104876 MATEEV, M. Electrophoretic and serological studies of blood sera from brucellous and healthy pigs placed on different diets. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 6:103-108. 1962. 41.9 So2  
English summary.

- 104877 MATEEV, M., and others. Research into brucellosis in pigs. II. Study of serological reactions. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 7:29-42. Ref. 1963. 41.9 So2  
Ts. Tsonev, V. Krustev, and D. Lyutskanov, joint authors.  
English summary.
- 104878 MINCHEVA, N., and SHERKOV, SH. Study of the distribution of Balantidium and its role in affected pigs with symptoms of diarrhea and dysentery. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 6:199-206. Ref. 1962. 41.9 So2  
English summary.
- 104879 MIYAT, J. A., and GOSSETT, F. O. A new antibiotic in treatment of swine dysentery. 2. Vet. Med./Small Anim. Clin. 59(3):295-300. Mar. 1964. 41.8 M69  
Tylosin.
- 104880 MONTRONI, L. Hyperplastic tumefaction of the spleen in swine erysipelas. (It) Zooprofilassi 19(4):163-165. Apr. 1964. 41.8 Z72  
English summary, p. 228.
- 104881 MYADZYAVICHYUS, A. K. Immunological method of diagnosis of swine trichocephalosis. (Rus) Veterinariya 4:58-60. Apr. 1964. 41.8 V6426
- 104882 NECHVAL', I. T. Several epizootiological features of atrophic rhinitis and measures for controlling it. 5 p. Transl. 14019  
Translation from Veterinariya 11:47-49. Nov. 1963.
- 104883 NEETESON, F. A. Some congenital defects in pigs. (Du) Tijdschr. v. Diergeneesk. 89(14):1003-1010. July 15, 1964. 41.8 T431  
English summary.
- 104884 NICOLESCU, A. Erratic forms of the acanthocephalid Macracanthorhynchus hirudinaceus. (Rum) Rev. de Zooteh. si Med. Vet. 13(11):76-77. Nov. 1963. 49 P943  
The thorn-headed worm of swine.
- 104885 NIE, C. J. VAN. Subaortic stenosis and endocarditis in the pig heart. Tijdschr. v. Diergeneesk. 89(15):1078-1081. Aug. 1, 1964. 41.8 T431
- 104886 OLSEN, B. S., VILLELLA, J. B., and GOULD, S. E. Distribution of Trichinella spiralis in muscles of experimentally infected swine. J. Parasitol. 50(4):489-495. Ref. Aug. 1964. 448.8 J824
- 104887 OSE, E. E., and others. Characterization of a new tissue culture hog cholera vaccine. Vet. Med./Small Anim. Clin. 59(6):606-609. June 1964. 41.8 M69  
R. N. Berkman, D. W. Ziegler, C. Gale, and R. K. Hughes, joint authors.
- 104888 PALYUSIK, M. Preparation of experimental vaccine against the chronic paratyphoid of pigs. I-II. Acta Vet. [Budapest] 14(1):71-82. Ref. 1964. 41.8 Ac83
- 104889 PAN, I., and LAM, M. Toxoplasmosis in domestic animals: the serological response of swine to Toxoplasma infection. Acad. Sinica. Inst. Zool. B. 2(1):13-18. Ref. June 1963. 410.9 Ac1
- 104890 PAPP, E., and SIKES, D. Electrophoretic distribution of protein in the serum of swine with rheumatoid-like arthritis. Amer. J. Vet. Res. 25(107):1112-1119. Ref. July 1964. 41.8 Am3A
- 104891 PELLEGRINI, S. Histological and histochemical investigations on the swine adrenal glands, with special reference to lipids content, according to age and sex. (It) Pisa. U. degli Studi. Facol. di Med. Vet. Ann. 16:365-381. Ref. 1963, pub. 1964. 41.9 P67  
English summary.
- 104892 PICKARD, J. R., and MEYERHOLZ, G. W. Reducing swine disease buildup. II. Univ. Coll. Vet. Med. Educ. Res. Serv. Prof. Top. 13, 7 p. June 1964. 41.9 IL64
- 104893 PIRTLE, E. C. A soluble precipitating antigen from hog cholera virus propagated in tissue culture. 1. Canad. J. Compar. Med. & Vet. Sci. 28(8):193-196. Ref. Aug. 1964. 41.8 C162
- 104894 PLAAN, O. Treatment of helminthiasis of swine with piperazine combined with phenothiazine. (Rus) Veterinariya 4:62-63. Apr. 1964. 41.8 V6426
- 104895 POPA, O., and CRISTEA, I. Feed poisoning of swine caused by solanine. (Rum) Rev. de Zooteh. si Med. Vet. 13(10):61-65. Oct. 1963. 49 P943
- 104896 POPESCU, A. Comparing the prophylactic value of the serum with that of the globulin concentrate used for the prophylaxis of the Aujeszky disease in pigs. (Rum) Rev. de Zooteh. si Med. Vet. 13(10):42-48. Ref. Oct. 1963. 49 P943  
English summary.
- 104897 POPESCU, A. The prophylactic value of the anti-Aujeszky globulins in an enzootical focus. (Rum) Rev. de Zooteh. si Med. Vet. 13(1):72-79. Ref. Jan. 1963. 49 P943  
English summary.  
Swine.
- 104898 POULAIN, B. Swine pest; severe but necessary measures. (Fr) RTVA 18:26-28. May/June 1964. 50.8 R322
- 104899 RAHNEFELD, G. W. Probing for back-fat thickness in hogs. Canada. Dept. Agr. P. 1211, 4 p. Feb. 1964. 7 C16Pu
- 104900 REICHEL, K., and BRAUN, D. Evaluation of the eosinophils in blood and of free 17-OH-CS [17-Hydroxycorticosteroid] in the plasma of pigs before and after administration of ACTH. I. (Ge) Deut. Tierarztl. Wchnschr. 69(20):588-591. Ref. Oct. 15, 1962. 41.8 D482  
English summary.
- 104901 RODABAUGH, D. E., WRIGHT, H. B., and ELDER, C. The effect of Salmonella choleraesuis infection on immunity to hog cholera. Amer. Vet. Med. Assoc. J. 145(3):252-257. Aug. 1, 1964. 41.8 Am3
- 104902 ROSE, J. E., BAISDEN, L. A., and TROMBA, F. G. Ultracentrifugal fractionation of reactants in a gel-diffusion precipitin technique in stephanuriosis. J. Parasitol. 50(4):504-508. Aug. 1964. 448.8 J824  
In swine.
- 104903 ROSS, R. F., SWITZER, W. P., and MARE, C. J. Incidence of certain microorganisms in Iowa swine. Vet. Med. 58(7):562-565. Ref. July 1963. 41.8 M69
- 104904 ROSS, R. F., DUNCAN, J. R., and SWITZER, W. P. Turbinate atrophy in swine produced by pure cultures of Bordetella bronchiseptica. Vet. Med. 58(7):566-570. Ref. July 1963. 41.8 M69
- 104905 SANDERSLEBEN, J. VON. Experimental research on pigs into the question of permeability disturbances in the central nervous system in serum and colitoxin shock. (Ge) Berlin. u. Munch. Tierarztl. Wchnschr. 77(14):276-278. Ref. July 15, 1964. 41.8 B45  
English summary.
- 104906 SATO, U., and others. Attenuation of hog cholera virus by means of continuous cell-virus propagation (CCVP) method and preparatory experiments on the attenuated strain (LOM) as a vaccine. Off. Internatl. des Epiz. B. 61(1/2):15-35. Ref. Jan./Feb. 1964. 41.8 Of2
- 104907 SCHLEGEL, W., and JAHNE, H. High piglet weight at birth, a measure for decreasing piglet losses. (Ge) Tierzucht 17(10):464-466. Oct. 1963. 49 T443
- 104908 SERAFIMOV, S., KHARALAMBIEV, KH., and IVANOV, I. Research into the titre dynamics in the manufacture of serum against swine erysipelas. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 9:79-82. Ref. 1963. 41.9 So2  
English summary.
- 104909 SEVCIK, B. Contribution to the application of tissue biostimulators to pigs. (Cz) Veterinarstvi 14(6):260-265. June 1964. 41.8 V6439
- 104910 SHIVELY, J. N., and others. X-ray exposure of swine previously exposed to a nuclear detonation. Amer. J. Vet. Res. 25(107):1128-1133. Ref. July 1964. 41.8 Am3A  
H. L. Andrews, A. R. Warner, H. P. Miller, H. J. Kurtz, and K. T. Woodward, joint authors.



- 104911 SIMONYI, E., and others. Comparative studies on the potency of different crystal-violet swine-fever vaccine batches. *Acta Vet.* [Budapest] 14 (1):51-55. 1964. 41.8 Ac83  
K. Bognar, G. Kucsera, and J. Regos, joint authors.
- 104912 SIZARET, P., and others. Etiology of certain (primary) serum shocks. II. Attempts at laboratory demonstration in allergic piglets of anti-horse antibodies; nature of these antibodies; hypotheses as to the mothers' sensitization. (Fr) *Inst. Pasteur. Ann.* 105(5):971-984. Ref. Nov.1963. 448.3 An75  
P. Reculard, Y. Caraes, and B. Virat, joint authors.  
English summary.
- 104913 SIZARET, P., and others. Etiology of certain (primary) serum shocks. III. Reproduction of the phenomenon in guinea pigs and swine. (Fr) *Inst. Pasteur. Ann.* 105(6):1108-1121. Dec. 1963. 448.3 An75  
P. Reculard, Y. Caraes, and B. Virat, joint authors.  
English summary.  
By anti-swine erysipelas vaccine.
- 104914 SIZARET, P., and others. Etiology of certain (primary) serum shocks. IV. Demonstration and explanation of the presence of horse antigens in an anti-swine erysipelas vaccine (A); demonstration of these antigens in two other vaccines. (Fr) *Inst. Pasteur. Ann.* 106(1):95-107. Jan.1964. 448.3 An75  
P. Reculard, Y. Caraes, and B. Virat, joint authors.  
English summary.
- 104915 SKJERVOLD, H., and STANDAL, N. The influence of prenatal and postnatal pretesting environment on pig testing results; a cross nursing study on pigs. *Acta Agr. Scand.* 14(1):52-58. Ref. 1964. 11 Ac82  
Weaning program.
- 104916 SOLOV'EV, F. A. The role of minor elements in prophylaxis of anemia, pulmonary and gastrointestinal diseases of piglets. (Rus) *Veterinariya* 4:67-69. Apr.1964. 41.8 V6426
- 104917 SOSIPATROV, G. V. Echinoclasmosis of swine and its control. (Rus) *Svinovodstvo* 7:40-41. July 1964. 46.8 Sv33
- 104918 STEINER, H. Contribution to parturient eclampsia of pigs. (Ge) *Deut. Tierarztl. Wchnschr.* 69(20):591-596. Oct.15,1962. 41.8 D482  
English summary.
- 104919 STEWART, T. B., HALE, O. M., and ANDREWS, J. S. Eradication of the swine kidney worm, *Stephanurus dentatus*, from experimental pastures by herd management. *Amer. J. Vet. Res.* 25(107):1141-1150. Ref. July 1964. 41.8 Am3A
- 104920 STONE, W. M. Strongyloides ransomi prenatal infection in swine. *J. Parasitol.* 50(4):568. Aug.1964. 448.8 J824
- 104921 STOYANOV, V. Epizootiology, clinic and etiology of edema disease in pigs. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 6:121-128. Ref. 1962. 41.9 So2  
English summary.
- 104922 STOYANOV, V. Testing the bacteriostatic and bactericidal properties of certain antibiotics to the  $\beta$ -hemolytic *Escherichia coli* isolated from pigs dead from edema disease. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 6:115-120. 1962. 41.9 So2  
English summary.
- 104923 SUTEU, E., RADU, P., and CRISTOLOVEANU, I. Some remarks on pig cysticercosis. (Rum) *Rev. de Zooteh. si Med. Vet.* 13(11):64-68. Nov.1963. 49 P943
- 104924 SWITZER, W. P. Elimination of Bordetella bronchiseptica from the nasal cavity of swine by sulfonamide therapy. *Vet. Med.* 58(7):571-574. July 1963. 41.8 M69
- 104925 TITOV, G. I. White muscle disease of baby pigs. (Rus) *Veterinariya* 4:74-75. Apr.1964. 41.8 V6426
- 104926 TROISE, C., and others. Observations on erysipelas in swine. (Por) *Biologico* 29(9):179-183. Ref. Sept.1963. 442.8 B529  
R. H. Gissoni, C. A. Santa Rosa, and A. F. Pestana de Castro, joint authors.  
English summary.  
In Brazil.
- 104927 TURNER, L. W. Swine not resistant to atrophic rhinitis. *Tenn. Market Bull.* 36(3):1. Mar.1964. 280.38 T25
- 104928 VENEVA-BODUROVA, TS. Comparative study of the immunogenic properties of alcohol, acetone and formol vaccines against *Salmonella cholerae suis* var. *Kunzendorf*. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 9:89-95. 1963. 41.9 So2  
English summary.
- 104929 VISHNYAKOV, S. I. Treatment and prophylaxis of edema of baby pigs. (Rus) *Veterinariya* 4:72-73. Apr.1964. 41.8 V6426  
Minerals and vitamins.
- 104930 WALTER, W. G. Histopathologic lesions of induced porcine rinderpest infection. *Cornell Vet.* 54(3):335-352. July 1964. 41.8 C81
- 104931 WANG, C. H. Fermentation management can prevent vegetable poisoning of swine. (Ch) *Nongye Jishu* 10:47-48. Oct.1963. 22.5 N929
- 104932 WANG, C. H. Several problems in preventing vegetable poisoning of swine. (Ch) *Nongye Jishu* 10:49. Oct.1963. 22.5 N929
- 104933 WILKINSON, F. C. Piglet anaemia—an iron deficiency disease. *West. Austral. Dept. Agr. J.* (ser.4)5(5):294-296. May 1964. 23 W52J
- 104934 WOODS, G. T., and SIMPSON, A. Reported outbreaks of swine influenza in Illinois (1955-1960). *Vet. Med./Small Anim. Clin.* 59(3):303-304, map. Mar.1964. 41.8 M69
- 104935 YANAGAWA, R., and HIRATO, K. Antitoxoplasmic effect of immune swine serum revealed in the culture of swine leukocytes. *Jap. J. Vet. Res.* 11(4):135-142. Ref. Dec.1963. 41.8 V6446
- 104936 ZELENSKII, V. P., and LYABIN, B. YA. Immunization of swine against cholera and pasteurellosis. (Rus) *Veterinariya* 4:47-49. Apr.1964. 41.8 V6426

#### Miscellaneous

- 104937 AGNEW, D. B. Meatpackers' costs for slaughtering hogs and distributing fresh pork. *U. S. D. A. Econ. Res. Serv. MTS-152:20-23.* Feb.1964. 1.941 M8M34
- 104938 BROCKSOPP, R. E. The economic importance of, and factors affecting, litter production. *Tasmanian J. Agr.* 35(2):75-77. May 1964. 23 T182T  
Baby pigs.
- 104939 DEBLANC, G. Quality. (Fr) *PROVIMI Inform.* 38:6-7. First Q.1964. 389.78 P942  
Care and feeding as factors influencing pork quality.
- 104940 HANNAWALD, E. B. Relation of hog slaughter to pig crops. *U. S. D. A. Econ. Res. Serv. LMS-138:28-33.* July 1964. 1.941 S8L752
- 104941 IRELAND. DEPT. OF AGRICULTURE. Pig progeny testing; report for year ended 31st December, 1963. Volume 11, 1964. Cork, 1964. 82 p. 46.9 Ir2
- 104942 MCBRIDE, G., JAMES, J. W., and HODGENS, N. Social behaviour of domestic animals. IV. Growing pigs. *Anim. Prod.* 6(2):129-139. Ref. June 1964. 49 An55
- 104943 MCBRIDE, G., WYETH, G. S. F., and HODGENS, N. W. Social behaviours of domestic animals. VI. A note on some characteristics of "runts" in pigs. *Anim. Prod.* 6(2):249-252. June 1964. 49 An55

- 104944 MICHIGAN STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. ANIMAL HUSBANDRY DEPT. 1963 MSU swine day, September 21. East Lansing, 1963. 25 p. 46.9 M582  
AH 96, Feeding methods for swine, by J. A. Hoefer (16 p.); AH 97, Preventing baby pig anemia, by E. R. Miller, D. E. Ullrey, and J. A. Hoefer (2 p.); AH 98, Is there a vitamin A problem in swine?, by D. E. Ullrey, E. R. Miller, and J. A. Hoefer (2 p.); AH 99, A new look at the scour problem in pigs, by D. J. Ellis (2 p.); AH 100, Lagoons for swine wastes, by C. H. Spillman (3 p.)
- 104945 NETHERLANDS. FOREIGN INFORMATION SERV. Pig keeping in the Netherlands. Netherlands. Export Prom. & Foreign Inform. Serv. P. 159,7 p. 1964. 12 N3826
- 104946 OLLIVIER, L. Note on the judging of the back fat in living swine with the aid of a metal slide. (Fr) Acad. d'Agr. de France. Compt. Rend. 50 (7):656-662. Ref. Apr.22/29,1964. 14 P215Bc Includes discussion.
- 104947 ROF CODINA, J. Swine raising in Belgium. (Sp) Cult. Mod. 47(1):16-19. Jan.1964. 15 C89
- 104948 SCHUMM, H. R., and KAISER, H. Proposition of the Leitinstitut für Schweinezücht for marking of swine. (Ge) Tierzucht 18(3):136-141. Mar.1964. 49 T443
- 104949 SYBESMA, W., and others. Studies about the influence on pig-meat of conditions before, during and after slaughter. (Du) Tijdschr. v. Diergeneesk. 89(15):1060-1071. Aug.1,1964. 41.8 T431  
P. C. Hart, J. C. M. de Heer, H. W. Verver, and H. E. van der Veen, joint authors.  
English summary.
- 104950 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL DISEASE ERADICATION DIV. National listing of validated brucellosis-free herds. U. S. Agr. Res. Serv. ARS 91-43-1, rev., 53 p. June 1964. A41.9 R315Ar Swine.
- 104951 WYETH, G. S. F., and MCBRIDE, G. Social behaviour of domestic animals. V. A note on sucking behaviour in young pigs. Anim. Prod. 6(2):245-247. June 1964. 49 An55



## ENTOMOLOGY

## GENERAL

- 104952 ALLEN, W. R. A history of the Entomological Society of Manitoba. Ent. Soc. Manitoba. Proc. 19:4-6. 1963. 420 En88
- 104953 BERTRAND, H., and LAURENTIAUX, D. A larva "Psephenoididae" of the genus Eubrianax Kiesenw. (Coleoptera Eubrianacidae) in the lacustrine Eocene of Aude. (Fr) Toulouse. Soc. d'Hist. Nat. B. 98(1/2):232-241. Ref. First/Second C.1963. 505 T64
- 104954 BIRD, R. D. A history of agricultural entomology in Manitoba. Ent. Soc. Manitoba. Proc. 19:7-11. Ref. 1963. 420 En88
- 104955 COBOS, A. Critical commentaries on some Sternoxia fossils recently described from Baltic amber (Coleoptera). (Sp) Eos 39(3/4):345-355. Ref. Dec.31,1963. 421 Eo7
- 104956 CONGRESO NACIONAL DE ENTOMOLOGIA, 3, 1962, MEXICO. Programa [Program]. Fol. Ent. Mex. 4:37 p. June 15,1963. 421 F712  
Includes abstracts of papers presented.
- 104957 DEUTSCHE ZOOLOGISCHE GESELLSCHAFT. Verhandlungen vom 11. bis 15. Juni 1962 im Wien [Transactions, June 11-15, 1962 in Vienna] edited by W. Herre. Deut. Zool. Gesell. Verhandl. 1962,734 p. Ref. 1963. 410.9 D48  
Papers in German, English and Italian.
- 104958 ENTOMOLOGICAL SOCIETY OF MANITOBA. Proceedings, volume 19, 1963. Winnipeg, 1964? 48 p. 420 En88
- 104959 KUHN, O. New fossil finds in the Solnhofen slate. (Ge) Kosmos 59(11):466-472. Nov.1963. 474 K842  
Includes insects.
- 104960 MARINELLI, W. The history of zoology in Vienna. (Ge) Deut. Zool. Gesell. Verhandl. 1962:50-55. 1963. 410.9 D48  
Includes entomology.
- 104961 PETRUNKEVITCH, A., and others. Studies of fossiliferous amber arthropods of Chiapas, Mexico. Calif. U. P. Ent. 31(1):53 p. Ref. 1963. 500 C125E  
Contents: Chiapas amber spiders, by A. Petrunkevitch; A fossil beetle of the genus Hymenorus (Coleoptera: Alleculidae) found in amber from Chiapas, Mexico, by J. M. Campbell; New fossil fulgoroid Homoptera from the amber of Chiapas, Mexico, by R. G. Fennah; A new tyroglyphid deutonymph in amber from Chiapas, Mexico, by E. Turk; A new cantharid from the Chiapas amber of Mexico, by W. Wittmer.
- 104962 WEBB, F. E. A history of forest entomology in Manitoba. Ent. Soc. Manitoba. Proc. 19:12-24. Ref. 1963. 420 En88

## ECONOMIC

## General

- 104963 AGOSIN, M. Biochemistry of resistance to chlorinated compounds. B. Chileno de Parasitol. 19(1):2-7. Ref. Jan./Mar.1964. 436.9 C43  
Insecticides, chiefly DDT.
- 104964 ANDROIC, M. Synergetic effect of mixed insecticides DDT and HCH. (Se) Zastita Bilja 75:517-525. 1963. 464.8 Z1  
English summary.
- 104965 BALUJA MARCOS, G. Insecticidas fosforados: aspectos quimicos y toxicologicos [Phosphoric insecticides: chemical and toxicological aspects]. Spain. Inst. Nac. de Invest. Agron. Trab. (Ser. Fitopatol.) 331,79 p. Ref. 1962. 464.9 Sp1
- 104966 BANKI, L., and WOLKOBOR, Z. The importance of formulation technology for the effectiveness of insecticidal plant protection and pest control products. (Ge) Chem. Tech. 16(5):257-262. Ref. May 1964. 384 C4283
- 104967 BARTHEL, W. F., and LOFGREN, C. S. A comparison of some granular carriers for chlordane and heptachlor against the imported fire ant. J. Agr. & Food Chem. 12(4):339-342. July/Aug.1964. 381 J8223

- 104968 BECKMAN, H., ALLEN, P. T., and BERKEN-KOTTER, P. Identification of components of the extract of Chrysanthemum cinerariaefolium separated by gas chromatography. J. Gas. Chromatogr. 1(8):21-22. Aug.1963. 381 J8225  
Insecticidal constituents of pyrethrum.
- 104969 BONELLI, E. J., HARTMANN, H., and DIMICK, K. P. Gas chromatography retention times and sensitivity data for insecticides and herbicides. J. Agr. & Food Chem. 12(4):333-336. July/Aug. 1964. 381 J8223
- 104970 BUCHER, G. E., and MORSE, P. M. Precision of estimates of the median lethal dose of insect pathogens. J. Insect Path. 5(3):289-308. Ref. Sept.1963. 421 J826  
Assays of Pseudomonas aeruginosa in Melanoplus bivittatus.
- 104971 BULL, D. L., and LINDQUIST, D. A. Metabolism of 3-hydroxy-N,N-dimethylcrotonamide dimethyl phosphate by cotton plants, insects, and rats. J. Agr. & Food Chem. 12(4):310-317. Ref. July/Aug.1964. 381 J8223
- 104972 CACAO MIRD CONTROL CONFERENCE, TAFO, GHANA, 1963. Proceedings [held] at the Cocoa Research Institute, Tafo, Akim, Ghana, 6th and 7th August, 1963, edited by B. Gerard. Tafo, Ghana, 1964. 61 p.,map. Ref. 68.38 C643  
Text in English and French.  
Progress report of resistance of Distantiella theobroma and Sahlbergella singularis to lindane and search for alternative insecticides.
- 104973 CALIFORNIA. DEPT. OF AGRICULTURE. Pesticides, 1962-63. Sacramento, 1964. 166 p. 381 C12  
Chiefly insecticide regulation.
- 104974 CANTWELL, G. E., and HENNEBERRY, T. J. The effects of gamma radiation and apholate on the reproductive tissues of Drosophila melanogaster Meigen. J. Insect Path. 5(2):251-264. Ref. June 1963. 421 J826
- 104975 CASIDA, J. E. Radiotracer approaches to carbamate insecticide toxicology. Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests Proc., 1963 Symp.:223-239. Ref. 423.9 In82  
Review of literature, chiefly on tests with Sevin.  
Includes discussion.
- 104976 CHANG, K. C., and HUANG, L. L. A preliminary study on the control of cottony-cushion scale [Icerya purchasi] by the Australian lady-beetle [Rodolia cardinalis]. (Ch) Acta Ent. Sinica 12(5/6):688-700, map. Nov.1963. 421 K96  
English summary.  
Includes Rodolia cardinalis resistance to insecticides.
- 104977 CHANG, T. P. Insect toxicology and the chemical control of harmful insects. (Ch) Chung Kuo Nung Pao 11(271):36-41. Nov.1963. 22.5 C473
- 104978 CHANG, T. P. Introducing an experiment; the cotton red mite's method of resistance to insecticide. (Ch) Nongye Jishu 8:34-35. (Cont.) Aug.1963. 22.5 N929
- 104979 CHANG, T. P. The resistance of the cotton red mite to organic phosphorous insecticides. (Ch) Nongye Jishu 8:32-35. Aug.1963. 22.5 N929
- 104980 CHEVREL, J. A new systemic discovery in France: Vamidothion. (Fr) Phytoma 15(152):17-20. Nov.1963. 464.8 P563
- 104981 CIFERRI, R. Biological agents in insect control. (It) Colt. e Gior. Vinic. Ital. 110(6):204-205. (Cont.) June 1964. 16 C72
- 104982 CLOUTIER, P. C. Bud burst spray; a new concept in insect control. Fruit World & Mkt. Grower 65(6):26. June 1964. 80 F948  
Use of oil-based insecticides.
- 104983 COLAS, A. Proportioning of aldrin and dieldrin in technical products and their formulations. (Fr) Phytatrie-Phytopharm. 12(4):185-198. Ref. 1963. 464.8 P564
- 104984 COLLABORATIVE PESTICIDES ANALYTICAL COMMITTEE. Recommended analytical methods for pesticides. 21. Chlorthal and its formulations. FAO Plant Protect. B. 11(6):131-135. Dec.1963. 421 P692

- 104985 COLLINS, P. Fighting the desert locust. New Sci. 22(389):278-279. Apr. 30, 1964. 472 N42  
Schistocerca gregaria; situation and outlook.
- 104986 COURSHEE, R. J. Control of desert locust hoppers from the air. FAO Plant Protect. B. 11(5):107-109. Oct. 1963. 421 P692  
Schistocerca gregaria.
- 104987 CRAIG, J. A. Regulations as they affect agricultural use of insecticides. Ent. Soc. Manitoba. Proc. 19:27-30. 1963. 420 En88  
Includes table on stages in the development of a new pesticide.
- 104988 DAVIDSON, G. DDT-resistance and dieldrin-resistance in *Culex pipiens fatigans* Wiedemann. Ann. Trop. Med. & Parasitol. 58(2):180-188. Ref. June 1964. 448.9 L75A
- 104989 DOROUGH, H. W., and CASIDA, J. E. Nature of certain carbamate metabolites of the insecticide Sevin. J. Agr. & Food Chem. 12(4):294-304. Ref. July/Aug. 1964. 381 J8223
- 104990 DOWDEN, A. O. The secret life of the flowers. New York, 1964. 45 p. (Odyssey Library No. 9) 463.46 D75  
Includes pollination by insects.
- 104991 DUSAUSOY, G. Year-round breeding of *Mamestra* (*Barathra*) *brassicae* L. as a test insect for pathogenic preparations and insecticides. (Fr) Ann. des Epiphyt. 15(2):171-192. Ref. 1964. 464.9 F84An  
English summary.
- 104992 EICHLER, W. On the spreading and naturalizing of tropical insects (with particular reference to the Pharaoh-ant [*Monomorium pharaonis*] and its extermination). (Ge) Leipzig. Karl Marx U. Beitr. z. Trop. u. Subtrop. Landwirtschaft. u. Tropvetmed. 2:131-138. Ref. 1963. 26 L53  
English summary.
- 104993 EVANS, W. G. Pesticides and agriculture. Alberta. Univ. Fac. Agr. Agr. Bull. 3:11-12. Mar. 1, 1964. 101 AL1A  
Hazards and safeguards for insecticides.
- 104994 FRENCH, W. L., and KITZMILLER, J. B. Time in concentration: a simple technique for the accurate detection of resistance to insecticides in mosquito larvae. World Health Organ. WHO/Vector Control 44, 15 p. July 23, 1963. 423.92 W89  
Dieldrin and gamma BHC.
- 104995 GEIGY AGRICULTURAL CHEMICALS. Technical bulletin for the experimental acaricide Chloropropylate. Ardsley, N. Y., 1964. 4 p. 423 G272T  
Includes toxicity to rats.
- 104996 GLESSNER, A. S. Packaging in metal containers of water base insecticides. Soap & Chem. Spec. 40(8):83-86, 112. Aug. 1964. 307.8 S012
- 104997 GONZALEZ MENDOZA, R. Pesticide formulation. (Sp) Agr. Trop. 20(5):268-272. May 1964. 26 Ag8  
Insecticides.
- 104998 HALL, S. A. The place of insecticides. U. S. D. A. Ybk. Agr. 1964:113-117. 1 Ag84Y
- 104999 HARRISON, D. L., ROBERTSON, T. G., and MILLS, E. J. Measurement of insecticide drift—a comparison of two methods. New Zeal. J. Agr. Res. 7(2):118-128. May 1964. 23 N4892  
DDT dust residues on *Lolium perenne*, *Agrostis tenuis*, and *Trifolium repens*.
- 105000 HASHIMOTO, Y., and FUKAMI, J. Resistance to insecticides in almond moth, *Ephestia cautella* Walker. I. Development of methyl-parathion resistance. Jap. J. Appl. Ent. & Zool. 8(1):62-68. Ref. Mar. 1964. 475 J27
- 105001 HASKELL, P. T. The Anti-Locust Research Centre, London. Nature [London] 203(4942):233-234. July 18, 1964. 472 N21
- 105002 HAZARD, E. I., and others. Resistance to the chemical sterilant, apholate, in *Aedes aegypti*. Science 145(3631):500-501. July 31, 1964. 470 Sci2  
C. S. Lofgren, D. B. Woodard, H. R. Ford, and B. M. Glancey, joint authors.
- 105003 HEAD, S. W. Rapid method for the determination of "total pyrethrins" by spectroscopy of their 2,4-dinitrophenylhydrazones. J. Sci. Food & Agr. 15(6):390-395. Ref. June 1964. 382 S012
- 105004 HEATH, D. F. Some problems in the determination of residues in plants and mammals. Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.:185-193. Ref. 423.9 In82  
Radioactive tracers in insecticide research, including residues in meat and milk and in triphenyltin fungicide poisoning tests with rats. Includes discussion.
- 105005 HEDDERGOTT, Chemical plant protection and public health. (Ge) Fachberater f. das Deut. Kleingartw. 13(50):14-18. Dec. 1963. 80 F11  
Chiefly insecticides.
- 105006 HILLABY, J. A revolution in insect control. New Sci. 23(400):144-146. July 16, 1964. 472 N42  
Integrated control.
- 105007 HOFFSOMMER, A. Agricultural aviation guide, a growing field of pilot employment. New York, 1964. 112 p. (Modern Aircraft Series) 333 H67  
Insect control.
- 105008 HORBER, E. Eradication of white grub (*Melolontha vulgaris* F.) by the sterile-male technique. Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.:313-332, map. Ref. 423.9 In82  
Use of X-rays including field tests in Switzerland. Includes discussion.
- 105009 HRABOVECKY, I., PAULEN, J., and NEUBAUER, B. New knowledge on gamma isomer isolation from raw hexachloro cyclohexane. (Cz) Chem. Prumysl 14(7):342-345. July 1964. 385 C4294  
English summary.
- 105010 HUANG, P. C., and LIU, W. T. Studies on the sexual difference of the larvae of *Culex pipiens pallens* Coq. in relation to the susceptibility to gamma-BHC. (Ch) Acta Ent. Sinica 12(5/6):701-706. Nov. 1963. 421 K96  
English summary.
- 105011 IGNOFFO, C. M. Sensitivity spectrum of *Bacillus thuringiensis* var. *thuringiensis* Berliner to antibiotics, sulfonamides, and other substances. J. Insect Path. 5(3):395-397. Sept. 1963. 421 J826
- 105012 INSTITUTO GUATEMALTECO DE SEGURIDAD SOCIAL. DEPT. DE SEGURIDAD E HIGIENE. General recommendations of security in the use of insecticides. (Sp) Rev. Cafetal. 31:19-23. Mar. 1964. 68.28 R322
- 105013 JOFTES, D. L. Radioautography in the study of radioisotopically-tagged substances in insect control. Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.:155-167. Ref. 423.9 In82  
Insecticides. Includes discussion.
- 105014 JONES, J. B. Regulations as they affect agricultural use of insecticides and pesticides. Ent. Soc. Manitoba. Proc. 19:26. 1963. 420 En88
- 105015 KABAT, C., and THOMPSON, D. R. Wisconsin quail, 1834-1962; population dynamics and habitat management. Wis. Conserv. Dept. Tech. B. 30, 136 p., map. Ref. 1963. 412.9 W754  
Effects of insecticides mentioned briefly.
- 105016 KAMPE, D. Defoliation of bird knotweed [*Polygonum aviculare*] by the mallow flea beetle *Podagrica malvae* Ill. (Ge) Anz. f. Schädlingssk. 36(12):199. Dec. 1963. 421 An9
- 105017 KATZ, D. Contribution to the problem of separating insecticides by thin-layer chromatography. (Ge) J. Chromatography 15(2):269-272. Ref. July 1964. 475 J824
- 105018 KNIPLING, E. F. A new era in pest control: the sterility principle. Agr. Sci. Rev. 1(1):2-12. Fall 1963. A31.3 Ag893
- 105019 KORNBERG, W. So what did kill the fish? Chem. Week 95(4):19-26. July 25, 1964. 381 C426  
Insecticides, perhaps endrin.
- 105020 KÜNG, K. Y., CHANG, K. L., and CHAI, K. Y. Detecting and measuring the resistance of cotton aphid [*Aphis gossypii* Glov.] to Systox. (Ch) Acta Ent. Sinica 13(1):1-9. Ref. Jan. 1964. 421 K96  
English summary.



- 105021 LEWIS, C. T. Some applications of radioisotopes to the study of the contamination of insects by insecticide solutions. Symp. Use. Appl. Radioisotopes radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.:135-145. 423.9 In82  
Oil traced in *Phormia terraenovae* and dieldrin in different solvents traced in *Tribolium castaneum*.  
Includes discussion.
- 105022 LIPA, J. Bacteria against insects. (Pol) *Ochrona Roslin* 6(6):24-27. Nov./Dec.1962. 464.8 Oc32  
Chiefly biological control tests with *Bacillus thuringiensis* against caterpillars on cabbage.
- 105023 LIPA, J. J. Biological versus chemical methods in plant protection. (Pol) Poznan. Inst. Ochrony Roslin. B. 24:213-227. Ref. 1963. 464.9 P87  
English summary.  
Insect pests.
- 105024 LIU, C. F., and LIU, W. T. The effect of different foods on the susceptibility of lindane of *Culex pipiens pallens* larvae. (Ch) *Acta Ent. Sinica* 13(3):466-468. May 1964. 421 K96
- 105025 LIU, C. L., and others. Biological studies of *Bracon greeni* and experimental results of host allurement in the forest. (Ch) *Acta Ent. Sinica* 12(5/6):523-537. Ref. Nov.1963. 421 K96  
C. P. Tsai, K. Y. Wang, and C. T. Wang, joint authors.  
English summary.  
As biological control agent of *Eublemma amabilis*, predator of lac insects.
- 105026 MAGNUSSON, A. Insecticides and resistance to them. (Ic) *Gardyrkjufelag Islands. Arsrit* 1963: 58-61. 86 Is4
- 105027 MALHOTRA, C. P. A record of some new lac hosts from Punjab and possibilities lac cultivation in the State. *Indian Forester* 90(6):366-369. June 1964. 99.8 In2
- 105028 MARCO, G. J., and JAWORSKI, E. G. Metabolism of O-phenyl-O-(4-nitrophenyl) methylphosphonothionate (Colep) in plants and animals. *J. Agr. & Food Chem.* 12(4):305-310. Ref. July/Aug.1964. 381 J8223
- 105029 MEYERS, H. L. Compressed air agitates emulsions. *Pest Control* 32(8):76. Aug.1964. 449.8 Ex8  
Compressors as insecticide-mixing equipment for emulsifiable concentrates.
- 105030 MIKSIWICZ, M. Results of experiments with acaricides and insecticides carried out in IOR [Instytut Ochrony Roslin] in 1962. (Pol) Poznan. Inst. Ochrony Roslin. B. 24:323-343. 1963. 464.9 P87  
English summary.
- 105031 MILBY, T. H., OTTOBONI, F., and MITCHELL, H. W. Parathion residue poisoning among orchard workers. *JAMA* 189(5):351-356. Ref. Aug.3,1964. 448.9 Am37
- 105032 MITSUHASHI, J., and MARAMOROSCH, K. Inoculation of plant tissue cultures with aster yellows virus. *Virology* 23(2):277-279. June 1964. 448.8 V81  
Using *Macrosteles fascifrons*.
- 105033 MORELLI, C. Aircraft in plant pest and disease control. (It) *Italia Agr.* 101(5):420-424. May 1964. 16 It1
- 105034 NIELSON, M. W. A synonymical list of leafhopper vectors of plant viruses (Homoptera, Cicadellidae). *U. S. Agr. Res. Serv. ARS-33-74*, 12 p. July 1962. A420 R31
- 105035 OMAN, P. World problems in entomology. *U. S. D. A. Ybk. Agr.* 1964:546-554. 1 Ag84Y  
New methods in insect control.
- 105036 OZBURN, G. W., and MORRISON, F. O. The selection of DDT-tolerant strain of mice and some characteristics of that strain. *Canad. J. Zool.* 42(4):519-526. 42(4):519-526. July 1964. 470 C16D
- 105037 PARR, T. Baygon—new carbamate for PCOs. *Pest Control* 32(8):32. Aug.1964. 449.8 Ex8  
Bayer 39007.
- 105038 PATE, T. L., and BRAZZEL, J. R. Resistance status of bollworms [*Heliothis zea*] and tobacco budworms [*Heliothis virescens*] in Mississippi in 1963. *Miss. Agr. Expt. Sta. Inform. Sheet* 848, 2 p. Apr.1964. 100 M69In  
Insecticide resistance of cotton pest.
- 105039 PHILLIPS, F. T. The application and measurement of labelled residual insecticides in some physico-chemical studies. Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests Proc., 1963 Symp.:147-154. 423.9 In82  
Dieldrin and aldrin; laboratory sprayer described.  
Includes discussion.
- 105040 PIEKARCZYK, K., KAGAN, F., and STUDZINSKI, A. Analysis of quantitative variations in the population of chief cultivated plant pests as methods of long term forecasting. (Pol) Poznan. Inst. Ochrony Roslin. B. 24:279-313, map. 1963. 464.9 P87  
English summary.
- 105041 PLAPP, F. W., and LINDQUIST, D. A. Radioisotopes in the study of the fate of insecticides applied to animals and plants. Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.:171-184. Ref. 423.9 In82  
Systemic insecticides.  
Includes discussion.
- 105042 POYNER, M. M. A report on the Colorado safety program. *Natl. Agr. Chem. Assoc. News & Pesticide Rev.* 22(2):11. Dec.1963. 421 Ag8  
Insecticides.
- 105043 PRADHAN, S., JOTWANI, M. G., and SARUP, P. Failure of BHC and DDT to control singhara beetle, *Galerucella birmanica* Jacoby (Chrysomelidae: Coleoptera). *Indian J. Ent.* 25(2):176-179. June 1963. 420 In23  
Pest of *Trapa bispinosa*.
- 105044 PRIETO CANTERO, S. Insecticides, bactericides, and raticides; ideas and suggestions. (Sp) *Ion* 24(275):322-327. June 1964. 385 Io6  
Insecticidal application and hazards and safeguards.
- 105045 PRZYBYLSKI, Z. Date of appearance and development of some pests of cultivated plants in the Wroclaw area in 1955-1956 in relation to specific phenological seasons. I. 1955. (Pol) *Ochrona Roslin* 6(5):27-30. Sept./Oct.1962. 464.8 Oc32
- 105046 PRZYBYLSKI, Z. Date of appearance and development of some pests of cultivated plants in the Wroclaw area in 1955-1956 in relation to specific phenological seasons. II. 1956. (Pol) *Ochrona Roslin* 6(6):27-31. (Cont.) Nov./Dec. 1962. 464.8 Oc32
- 105047 RAI, K. S. Cytogenetic effects of chemosterilants in mosquitoes. II. Mechanism of apholate-induced changes in fecundity and fertility of *Aedes aegypti* (L.). *Biol. B.* 127(1):119-131. Ref. Aug.1964. 442.8 B52  
Apholate.
- 105048 RAMSAY, G. W. Two species of shield bug that destroy caterpillars. *New Zeal. J. Agr.* 109(1): 17. July 15,1964. 23 N48J  
*Oechalia schellebergi* and *Cermatulus nasalis*.
- 105049 ROBERTSON, D. R. Pesticide legislation in Manitoba. *Ent. Soc. Manitoba. Proc.* 19:25. 1963. 420 En88  
Insecticides only.
- 105050 ROULSTON, W. J. A study of the development of dieldrin-resistance in relation to acaricide pressure in a population of *Boophilus microplus*. *Austral. J. Agr. Res.* 15(3):490-510. Ref. May 1964. 23 Au783  
Cattle dipped in dieldrin and aldrin.
- 105051 RUI, D. Lessons of the Verona conference. (It) *Italia Agr.* 101(5):409-414. May 1964. 16 It1  
Discusses control of plant pests and diseases by aircraft spraying.
- 105052 SAITO, T. Studies on the selective toxicity of schradan. Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.:255-266. 423.9 In82  
Includes discussion.

- 105053 SALVATERRA, T. Disinfestation of soil from soil insects. (It) Terra Trent. 10(5):202-204, 206. May 1964. 16 T277  
Use of insecticides.
- 105054 SCHROEDER, H. O., and MAITLEN, E. G. New miticide employs different action. West. Fruit Grower 17(8):8. Aug. 1963. 95.8 G762  
Morocide.
- 105055 SCHWERDTFEGER, F. Is the spring more silent even in the German forest? Holz-Zentbl. 90(81):1359-1362. Ref. July 6, 1964. 99.81 H742  
Insecticide toxicity to man and animals chiefly.
- 105056 SERVADEI, A., ZANGHERI, S., and MASUTTI, L. International regulation of use of insecticides. (It) Agricoltura 13(5):80-81. May 1964. 16 Ag8226
- 105057 SHEVETSOVA-SHILOVSKAYA, K. D., LEBEDEVA, E. I., and MEL'NIKOV, N. N. Organic phosphorus insecticides. 77. (Rus) Zhur. Obsch. Khim. 34(7):2138-2140. July 1964. 385 Z6  
Chemistry.
- 105058 SILVA, V. D. DA. Physical methods for control of plant pests. (Por) Gaz. do Agr. 15(171):274-278. Ref. Aug. 1963. 24 G25  
Mozambique.
- 105059 SUN, C. K. Increased results from mixtures of insecticides. (Ch) Nongye Jishu 11:27-28. Nov. 1962. 22.5 N929
- 105060 SUN, C. K. A new insecticide, "Lo-kuo". (Ch) Nongye Jishu 5:22-23. May 1963. 22.5 N929  
An organic phosphorus insecticide.
- 105061 SYMPOSIUM ON THE USE AND APPLICATION OF RADIOISOTOPES AND RADIATION IN THE CONTROL OF PLANT AND ANIMAL INSECT PESTS, ATHENS, 1963. Radiation and radioisotopes applied to insects of agricultural importance; proceedings. Vienna, Internatl. Atomic Energy Agency, 1963. 508 p., map. Ref. 423.9 In82
- 105062 SZCZEPANSKA, K. Chemical control of grubs. (Pol) Ochrona Roslin 8(3):28-29. Mar. 1964. 464.8 Oc32
- 105063 TAMARINA, N. A. Toxicity increase upon a decrease in toxin concentration. 2. Causes of toxicity of technical chlorophos. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauki 2:12-16. Ref. 1963. 442.8 N22  
Musca domestica.
- 105064 TIRELLI, M. Remembrances and considerations. (It) Italia Agr. 101(5):507-514. May 1964. 16 It1  
Use of aircraft in plant pest control.
- 105065 TOMASEK, H. F. Pesticides—their vital contribution, their problems. Can. Agr. Chem. Ass. Annu. Meeting Conf., 11th Annu Meeting Conf.:1-5. 1963. 381 C163  
Research needs in insect and plant physiology.
- 105066 TULESCHKOV, K. Directions of applied entomology in Bulgaria. (Ge) Anz. f. Schadlinsk. 36(3):33-37. Mar. 1963. 421 An9  
English summary.  
Policies and programs of various institutes.
- 105067 TYLER, P. S. Kepone bait for the control of resistant German cockroaches [Blattella germanica]. Internatl. Pest Control 6(5):10-11, 13. July/Aug. 1964. 79.8 P432
- 105068 ULLRICH, K. The surface acidity of mineral carriers and their influence on the formulation of plant protection and pest control products. (Ge) Chem. Tech. 16(5):263-266. Ref. May 1964. 384 C4283  
Insecticides.
- 105069 UNITED NATIONS, ECONOMIC COMMISSION FOR AFRICA. Report on locust control. Addis Ababa, 1963. 7 p. (United Nations. E/CN.14/243) 429 Un322
- 105070 U. S. AGRICULTURAL RESEARCH SERV. PLANT PEST CONTROL DIV. The imported fire ant; program and progress. U. S. Agr. Res. Serv. ARS-81-9-1, 10 p. Nov. 1963. A423.9 R31  
Solenopsis saevissima richteri; includes control by quarantine and use of mirex and heptachlor formulations.
- 105071 UVAROV, B. The insect threat to developing countries. New Sci. 23(403):330-331. Aug. 6, 1964. 472 N42
- 105072 VOSTAL, Z., KRATOCHVIL, I., and LEGATH, V. Problems of resistance in synanthropic flies [Musca domestica] in eastern Slovakia. (Ge) Angew. Parasitol. 4(3):135-138. Sept. 1963. 436.8 An4  
English summary.  
Resistance to DDT and BHC.
- 105073 WALKER, P. T., and TURNER, M. L. A small temperature and humidity meter based on thermistors and humistors. Gt. Brit. Colon. Off. Trop. Pesticides Res. Unit. TPRU/Porton/Report 271, 9 p. Feb. 1964. 423.92 G798C  
For measuring microclimate of insects and plants in field.
- 105074 WANG, C. T., and others. Biological studies of Bracon greeni and experimental results of host allurement in the forest. (Ch) Acta Ent. Sinica 12(5/6):523-537. Ref. Nov. 1963. 421 K96  
C. L. Liu, C. P. Ts'ai, and C. Y. Wang, joint authors.  
English summary.  
For the biological control of Eublemma amabilis, a predator of the lac insect.
- 105075 WHITE, J. M. The effects of minute amounts of diazinon on Periplaneta americana. Tex. J. Sci. 15(1):115-118. Mar. 1963. 470 T31
- 105076 WIEGAND, H. A supplement to the LD<sub>50</sub>-test method. (Ge) Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s) 17(10/11):178-179. Oct./Nov. 1963. 464.9 N11  
For insecticide residue tests with Drosophila.
- 105077 WINTERINGHAM, F. P. W., and DISNEY, R. W. A radiometric study of cholinesterase and its inhibition. Biochem. J. 91(3):506-514. Ref. June 1964. 382 B52  
Physiological action of insecticides on house fly.
- 105078 WOODWELL, G. M., and MARTIN, F. T. Persistence of DDT in soils of heavily sprayed forest stands. Science 145(3631):481-483. July 31, 1964. 470 Sci2
- 105079 WORLD HEALTH ORGANIZATION. Bibliography on pesticides toxicity and accidental poisoning. World Health Organ. WHO/Vector Control 60, 5 p. Jan. 7, 1964. 423.92 W89  
Chiefly insecticides.
- 105080 WU, N., and CHOU, T. P. Studies on insecticide resistance of Culex fatigans. I. Survey of the susceptibility of Culex fatigans larvae to DDT and BHC in Kwangsi. (Ch) Acta Ent. Sinica 13(2):172-176. Mar. 1964. 421 K96  
English summary.
- 105081 YEN, S. W. Organic phosphorus insecticides. (Ch) Huaxue Tongbao 6:32-40. June 14, 1964. 385 H863
- 105082 YOUNG, D., and BRAZZEL, J. R. Seasonal incidence of the bollworm [Heliothis zea] and tobacco budworm [Heliothis virescens] complex in cotton fields of Mississippi. Miss. Agr. Expt. Sta. Inform. Sheet 836, 2 p., map. Jan. 1964. 100 M69In  
Includes insecticide resistance.
- 105083 YU, Y. Studies on insecticide-resistance in mosquitoes. II. Laboratory experiments on the selection of resistance to DDT and BHC in the adults of Culex pipiens pallens Coquillett. (Ch) Acta Ent. Sinica 13(3):339-343. Ref. May 1964. 421 K96  
English summary.

#### Medical and Veterinary Pests

- 105084 AGOSIN, M., and others. Intermediary carbohydrate metabolism in Triatoma infestans (Insecta; Hemiptera). II. The metabolism of C<sup>14</sup>-glucose in Triatoma infestans nymphs and the effect of DDT. Compar. Biochem. & Physiol. 8(4):311-320. Ref. Apr. 1964. 444.8 C73  
N. Scaramelli, M. L. Dinamarca, and L. Aravena, joint authors.



- 105085 ANTHONY, D. W., and ROBY, T. O. Anaplasmosis transmission studies with *Dermacentor variabilis* (Say) and *Dermacentor andersoni* Stiles ( *D. venustus* Marx) as experimental vectors. Natl. Anaplasmosis Conf. Proc., 4th Conf.:78-81. Ref. 1962. A41.9 C76
- 105086 BEESLEY, W. N. Cheyletiella parasitivorax (Acarina: Trombidioidea as a parasitic mite in Britain. Parasitology 53(3/4):651-652. Ref. Nov.1963. 448.8 P21  
On dogs and rabbits.
- 105087 BELL, J. F., and CLIFFORD, C. Effects of limb disability on lousiness in mice. II. Inter-sex grooming relationships. Expt. Parasitol. 15(4):340-349. Ref. Aug.1964. 436.8 Ex7  
*Polyplax serrata*.
- 105088 BOERO, J. J., and PIRES, A. Hematophagous Diptera. (Sp) Rev. de Med. Vet. [Buenos Aires] 45(1):9-15. Jan./Feb.1964. 41.8 B86  
Tabanids and *Stomoxys calcitrans* on cattle in Argentina.
- 105089 BOERO, J. J., and RODRIGUEZ, A. Parasitosis in the langur monkey (*Pygathrix obscura*). (Sp) Rev. de Med. Vet. [Buenos Aires] 45(1):55-60. Jan./Feb.1964. 41.8 B86  
Includes the louse, *Pedicinus obtusus*.
- 105090 BORGATTI, A. L., and GUYER, G. E. The effectiveness of commercial formulations of *Bacillus thuringiensis* Berliner on house-fly larvae. J. Insect Path. 5(3):377-384. Sept. 1963. 421 J826
- 105091 CALCUTTA. SCHOOL OF TROPICAL MEDICINE. Annual report, 1961-62. Calcutta, 1963. 150 p. Ref. 448.9 C123  
Carmichael Hospital for Tropical Diseases cooperating.  
Includes report of professor of medical entomology.
- 105092 CONROY, J. D. Sarcoptic acariasis in a coati mundi. Mod. Vet. Pract. 45(10):80-81. Sept. 1964. 41.8 N812  
*Sarcoptes scabiei* infestation.
- 105093 DEBACKERE, M. Toxicology of organic phosphorus esters in livestock. (Fl) Vlaams Diergeneesk. Tijdschr. 32(12):361-383. Ref. Dec.1963. 41.8 V84  
English summary.  
Review.  
Insecticides.
- 105094 DENNY, W. F., DILLAHA, C. J., and MORGAN, P. N. Hemotoxic effect of *Loxosceles reclusus* venom: in vivo and in vitro studies. J. Lab. & Clin. Med. 64(2):291-298. Ref. Aug.1964. 448.8 J8233  
In dogs.
- 105095 EADS, R. B., TREVINO, H. A., and CAMPOS, E. G. *Triatoma* (Hemiptera: Reduviidae) infected with *Trypanosoma cruzi* in south Texas wood rat dens. Southwest. Natur. 8(1):38-42. May 10, 1963. 409.6 So8
- 105096 FILATOV, G. V., and others. The use of radioisotopes to study the absorption, distribution and elimination of various insecticides in animals. (Rus) Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.:249-253. 423.9 In82  
L. A. Kartashov, M. I. Mutin, I. A. Zakamyr-din, U. Ya. Izakov, joint authors.  
English summary.  
DDT, polychloroprene, and chlorophos toxicity to livestock and residues in meat and milk.
- 105097 FRANK, W. Transmission of infective stages of filariae of *Macdonaldius oschei* Chabaud et Frank 1961 (Filarioidea, Onchocercidae) by *Ornithodoros talaje* (Ixodoidea, Argasidae) to the final host; furthermore, a contribution to the biology of the vector. (Ge) Z. f. Parasitenk. 24(4):415-441. Ref. June 5, 1964. 442.8 Z33F  
Microtomy of mouth parts of the tick, embedded in tissue of reptile hosts.
- 105098 GENUNG, W. G. Stinging caterpillars. Sunshine State Agr. Res. Rpt. [Fla. Sta.] 9(3):20-21. July 1964. 100 F66Su
- 105099 HADAWAY, A. B., and BARLOW, F. The toxicity of a synthetic pyrethroid, dimethrin, to adult mosquitos. Gt. Brit. Colon. Off. Trop. Pesticides Res. Unit. TPRU/Porton/Rpt. 199, 3 p. Feb.1962. 423.92 G798C  
*Aedes aegypti* and *Anopheles stephensi*.
- 105100 HILBRICH, P. Ectoparasites of fowl and their control. (Ge) Huhnerbrief 11:3-7. 1963. 47.8 H87  
Insecticidal control of insect pests.
- 105101 HOFFMAN, R. A. Control of vectors—equipment and insecticides. Natl. Anaplasmosis Conf. Proc., 4th Conf.:84-85. 1962. A41.9 C76
- 105102 HOWELL, D. E. Control of Tabanidae. Natl. Anaplasmosis Conf. Proc., 4th Conf.:89-91. 1962. A41.9 C76
- 105103 HSIEH, T. I., and others. Esterase inhibition of *Musca domestica* poisoning by organophosphorus insecticides. (Ch) Acta Ent. Sinica 13(4):503-509. Ref. July 1964. 421 K96  
H. F. Leng, T. L. Ch'en, and Y. C. Chao, joint authors.  
English summary.
- 105104 HSIUNG, K. H., and others. Experimental infection of *Phlebotomus alexandri* and *P. mongolensis* with *Leishmania donovani*. (Ch) Acta Zool. Sinica 15(2/4):607-610. June/Dec.1963. 410 Ac87  
C. Wang, Y. T. Hu, and P. T. Liu, joint authors.  
English summary.  
*Phlebotomus alexandri* may play an important role in transmission of kala-azar.
- 105105 INSTITUT PASTEUR D'ALGERIE. Report of activities for 1962. Inst. Pasteur d'Algerie. Arch. 41(1/2):75-85. 1963. 448.3 In7A  
Includes medical entomology and veterinary medicine.
- 105106 INTERNATIONAL CONGRESSES OF TROPICAL MEDICINE AND MALARIA, RIO DE JANEIRO, 7, 1963. Malaria at the Rio congresses; a review of papers on malaria presented. Annex II. World Health Organ. WHO/Vector Control 52, 20 p. Dec.30, 1963. 423.92 W89  
Eight additional abstracts of papers.
- 105107 JONES, C. R. M. Cooperative dipping to improve efficiency. New Zeal. J. Agr. 108(5):418-420. May 15, 1964. 23 N48J  
Sheep pest control.
- 105108 JONES, L. D. Cattle lice and their relation to nutrition: preliminary observations. Cornell Vet. 54(3):399-405. Ref. July 1964. 41.8 C81  
Poorly-nourished hosts victims of ectoparasites.
- 105109 K'ANG, C. The prevention of itchmite disease. (Ch) Nongye Jishu 8:48-49. Aug.1963. 22.5 N929  
In livestock.
- 105110 KEAYS, J. W. Practical ectoparasite control in large and small animals. Vet. Med. 58(8):641-642, 645-650. Aug.1963. 41.8 M69  
Various insecticidal control of livestock pests.
- 105111 LANCASTER, J. L. Fly control and prevention of anaplasmosis transmission. Natl. Anaplasmosis Conf. Proc., 4th Conf.:87-89. 1962. A41.9 C76  
Tabanidae.
- 105112 LIPA, J. J. Biological control of medically important pests. (Pol) Wiad. Parazytol. 10(1):21-32. Ref. 1964. 436.8 W63  
Pests of livestock and arthropod vectors of human diseases.
- 105113 LIS, H. Poisoning of horses from tops of potatoes dusted with insecticides for control of Colorado beetle. (Pol) Med. Weter. 20(2):98-99. Feb.1964. 41.8 M463
- 105114 MCCONNELL, E., and CORREA, M. Trypanosomes and other microorganisms from Panamanian *Phlebotomus sandflies*. J. Parasitol. 50(4):523-528. Ref. Aug.1964. 448.8 J824
- 105115 MCNULTY, P. Rubbish disposal and fly breeding. New Zeal. Dept. Health. Health 16(1):5. Autumn 1964. 449.8 H342  
Control.

- 105116 MIKLOVICH, M., and KOVACS, B. Investigations on the effect of Diptex (dimethyl-trichloro-oxyethylphosphonate) against ectoparasites. (Hu) Magyar Allatorv. Lapja 19(6):244-246. June 1964. 41.8 V644  
English summary.  
Control on poultry, rabbits, and guinea pigs.
- 105117 MOLNAR, E. A serological study of the incidence of tick-borne encephalitis in Hungary. Acta Microbiol. 10(4):365-369, map. 1963/64. 448.3 Ac84
- 105118 MOORE, R. W. Cantharides poisoning in a horse. Vet. Med. 58(12):961. Dec. 1963. 41.8 M69  
From dead blister beetles (*Epicauta vittata*) in feed.
- 105119 MUNT, R. H. Fly prevention on the poultry farm. Queensland Agr. J. 90(7):394-397. July 1964. 23 Q33  
Chiefly control of breeding ground.
- 105120 NASH, T. A. M., and KERNAGHAN, R. J. The feeding of haematophagous insects on goats and sheep: techniques for host restraint and cage application. Ann. Trop. Med. & Parasitol. 58(2):168-170. June 1964. 448.9 L75A  
Glossina spp.
- 105121 NEMESERI, L. Most important ectoparasites of poultry and their control. (Hu) Baromfite-nyesztés 8(5):9-10. May 1964. 47.8 B262  
Lice and mite species/control with DDT and BHC.
- 105122 O'CONNOR, R., and others. Death from "wasp" sting. Ann. Allergy 22(7):285-393. Ref. July 1964. 448.8 An72  
R. A. Atier, W. Rosenbrook, and R. W. Erickson, joint authors.
- 105123 PALMER, J. S. Toxicologic effects of dual applications of Bayer 21/199 and toxaphene on yearling cattle and young calves. Vet. Med. 58(11):872-874. Nov. 1963. 41.8 M69
- 105124 PETROV, D., and BRATANOV, V. Contribution towards the study of *Oestrus ovis* infestation in sheep in Bulgaria. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 9:163-170. Ref. 1963. 41.9 So2  
English summary.
- 105125 PETROV, D. Effect of physical factors and chemicals on *Dermanyssus gallinae*. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 6:207-212. 1962. 41.9 So2  
English summary.  
With reference to biology and effects of temperature.
- 105126 RICH, G. B. Can cattle warbles be eliminated? Res. Farmers 9(3):8-10. Summer 1964. 7 R31  
Control of *Hypoderma lineatum* and *H. bovis* with systemic insecticides.
- 105127 RICHARD, J. L. Studies on the possible transmission of *Trichophyton equinum* by the common stable fly [*Stomoxys calcitrans*]. Iowa Acad. Sci. Proc. 70:114-120. Ref. 1963. 500 Io93
- 105128 RIOUX, J. A., PECH, J., and BRES, A. Experimental transmission and preservation of the myxomatosis virus by *Culex pipiens berbericus* Roubaud. (Fr) Inst. Pasteur de Tunis. Arch. 40(2):111-114. Ref. June 1963. 448.3 In72  
Found to be the vector of this disease in rabbits, preserving the virus during diapause.
- 105129 ROBERTS, J. M. D. The control of epidemic malaria in the highlands of western Kenya. I. Before the campaign. J. Trop. Med. & Hyg. 67(7):161-168, map. (Cont.) July 1964. 448.8 J827  
*Anopheles gambiae* and *A. funestus* as vectors.
- 105130 ROBERTS, R. H. Control of anaplasmosis through insect control, Washington County, Mississippi, 1961. Natl. Anaplasmosis Conf. Proc., 4th Conf.:85-86. 1962. A41.9 C76
- 105131 ROSENHOUSE, L. Mosquito control in Sacramento—nation's largest MAD program. Pest Control 32(8):38, 40-41, 44, 46, 48, 50. Aug. 1964. 449.8 Ex8  
Includes chemical control.
- 105132 SCHEINPFLUG, K. E. Experiences in controlling poultry ectoparasites. (Ge) Angew. Parasitol. 4(3):138-140. Sept. 1963. 436.8 An4  
English summary.  
On large collective farms in East Germany; improvements in barn construction recommended to eliminate breeding place for mites, fleas, and rats, and simplify application of insecticides.
- 105133 SHANAHAN, G. J. The sheep blowfly [*Lucilia cuprina*] and the Australian pastoral industry. Agr. Gaz. N. S. Wales 75(4):946-951. Apr. 1964. 23 N472  
Includes chemical control and monetary losses.
- 105134 SHERKOV, SH. On allergy in hypodermosis of cattle. 1. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 6:191-197. 1962. 41.9 So2  
English summary.
- 105135 SMITH, R. G. Goat spraying trials conducted in Texas sheep and goat country. Sheep & Goat Raiser 44(11):20-21. Aug. 1964. 45.8 Sh3  
Malathion, Perthane and Vapona for louse control.
- 105136 SOERENSEN, B., SALIBA, A. M., and NETO, L. Z. Itch in rats and guinea pigs. (Por) Biologico 29(11):232-234. Nov. 1963. 442.8 B529  
English summary.  
Caused by *Notoedres muris*, itch mite.
- 105137 SWELLENGREBEL, N. H. Wild animals as reservoirs of human parasites. (Du) Vakbl. v. Biol. 43(10):193-206. Ref. Oct. 1963. 442.8 V22  
Includes insect vectors such as *Glossina* and fleas.
- 105138 TRIFONOV, T. A new intermediate host of *Gongylonema pulchrum*. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 7:191-193. 1963. 41.9 So2  
English summary.  
*Copris lunaris*.
- 105139 TRIFONOV, T. *Oniticellus fulvus* Goeze and *Copris hispanus* as intermediate hosts of certain helminths in swine. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 9:185-190. Ref. 1963. 41.9 So2  
English summary.
- 105140 TRIFONOV, T. The problem of the intermediate hosts of *Macracanthorhynchus hirudinaceus*. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 7:187-189. 1963. 41.9 So2  
English summary.  
*Copris lunaris*.
- 105141 TRIFONOV, T. Study of the intermediate hosts of *Physocephalus sexalatus* and *Ascarops strongylina* in the Burgas District. (Bu) Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv. 7:181-185. 1963. 41.9 So2  
English summary.  
Dung-beetles, *Caccobius schreberi* and *Sisyphus schaefferi* as hosts.
- 105142 U. S. AGRICULTURAL RESEARCH SERV. ANIMAL DISEASE ERADICATION DIV. Report of cooperative tick eradication activities, fiscal year 1963. Hyattsville, Md., 1963. 7 p., map. A423.9 R314  
Chiefly on livestock, but includes those on wildlife; includes chemical control.
- 105143 WATSON, W. A. Studies on the distribution of the sheep tick (*Ixodes ricinus* L.) and the occurrence of enzootic staphylococcal infection of lambs in north-west Yorkshire and north-east Lancashire. Vet. Rec. 76(27):743-747, map. Ref. July 4, 1964. 41.8 V641
- 105144 WHARTON, R. H. The biology of *Mansonia* mosquitoes in relation to the transmission of filariasis in Malaya. Malaya. Inst. Med. Res. B. 11, 114 p., map. Ref. 1962. 448.9 In73B
- 105145 YASGUR, I. Parasitism of kennel puppies with the mite *Cheyletiella parasitivorax*. Cornell Vet. 54(3):406-407. July 1964. 41.8 C81



- 105146 YOELI, M., UPMANIS, R. S., and MOST, H. Studies on filariasis. III. Partial growth of the mammalian stages of *Dirofilaria immitis* in vitro. *Expt. Parasitol.* 15(4):325-334. Ref. Aug. 1964. 436.8 Ex7  
Obtained from dogs and includes the vectors *Anopheles quadrimaculatus* and *A. freeborni*.
- 105147 YOUNGER, R. L., and RADELEFF, R. D. Use of pyridine-2-aldoxime methochloride in the treatment of organic phosphorus compound poisoning in livestock. *Amer. J. Vet. Res.* 25(107): 981-987. July 1964. 41.8 Am3A  
With tables showing blood cholinesterase activity.
- Pests of Field and Truck Crops
- 105148 ALI, M., and FAROOQ, M. A note on the effect of insecticidal sprays on cotton. *West Pakistan J. Agr. Res.* 1(4):131. Sept./Dec. 1963. 22 W52  
To control *Pectinophora gossypiella*, *Empoasca devastans*, and *Earias* species.
- 105149 ALLEN, W. R. Plant growth dilution and the decline of insecticide residues from alfalfa in Manitoba. *Ent. Soc. Manitoba. Proc.* 19:40-42. 1963. 420 En88  
Dieldrin, chlordane, and Guthion.
- 105150 ANDREEV, S. V., and others. Radioisotopes and radiation in animal and plant insect pest control. (Rus) *Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc.*, 1963 *Symp.*:115-132. Ref. 423.9 In82  
B. K. Martens, B. A. Mopchanova, and E. I. Samoilova, joint authors.  
English summary.  
Labelling of grain pests, *Leptinotarsa decemlineata*, and stored products pests to study control.  
Includes discussion.
- 105151 ANGELES, N. Outbreaks and new records, Venezuela; occurrence of *Leucinodes elegantalis* in tomatoes. *FAO Plant Protect. B.* 11(5): 116. Oct. 1963. 421 P692
- 105152 ARELLANO U, M. Comparison of insecticides for control of the miner fly (*Liriomyza flaveola*), potato aphid (*Myzus persicae*), and other insects of potato culture. (Sp) *Agronomia [Lima]* 30(2):62-76. 1963. 9.8 Ag83
- 105153 ARNOUX, J., and LE BERRE, J. R. Critical evaluation of a method for Colorado potato beetle count in open fields. (Fr) *Rev. de Path. Veg. et d'Ent. Agr. de France* 42(2):107-113. 1963. 464.9 So1  
English summary.  
*Leptinotarsa decemlineata*.
- 105154 ASCHER, K. R. S., HIRSCH, I., and RONES, G. Screening insecticides against *Prodenia litura*. *Internatl. Pest Control* 6(5):6-9. Ref. July/Aug. 1964. 79.8 P432  
Pest of field crops.
- 105155 AZARIAH, M. D., RAI, R. P., and NIRULA, K. K. A survey of aphids infesting potatoes in Nilgiris. *Indian Potato J.* 5(2):80-85. Oct. 1963. 75.8 In2
- 105156 BARDNER, R. The uptake of phorate, a systemic insecticide, applied as a slurry to wheat and mustard seeds. *Ann. Appl. Biol.* 53(3): 445-458. Ref. June 1964. 442.8 An72
- 105157 BARLOW, C. A. Predicting the size of European corn borer infestations (*Ostrinia nubilalis* Hbn.). *Canad. Ent.* 95(12):1285-1292, map. Dec. 1963. 421 C16  
Ontario.
- 105158 BONDINE V., M. Experiments in using aircraft for combating the Colorado beetle; aerial spraying in the Soviet Union. *Duster USA* 4(1): 12-14. Nov. 1963. 333.8 D94  
*Leptinotarsa decemlineata*.
- 105159 BONNEMAISON, L., and BOURNIER, A. Linseed thrips: *Thrips angusticeps* Uzel and *Thrips linarius* Uzel (Thysanoptera). (Fr) *Ann. des Epiphyt.* 15(2):19-169. Ref. 1964. 464.9 F84An  
English summary.  
Includes control with insecticides.
- 105160 CALCAGNOLO, G. Effect of the attack by the mite *Eotetranychus telarius* (L.) on cotton production. (Por) *Biologico* 29(11):225-231. Nov. 1963. 442.8 B529  
Tests with insecticidal control.
- 105161 CHANG, J. T. P., and CHIANG, Y. C. Studies on insect chemosterilants. II. Thio-TEPA as a chemosterilant for armyworm moth (*Pseudalea separata* Walker, Noctuidae). (Ch) *Acta Ent. Sinica* 12(5/6):538-542. Nov. 1963. 421 K96  
English summary.
- 105162 CHANG, K. C., and HUANG, L. L. A preliminary study on the control of cottony cushion scale by Australian ladybeetle, (Ch) *Acta Ent. Sinica* 12(5/6):688-700, map. Nov. 1963. 421 K96  
English summary.  
Control of *Icerya purchasi* with *Rodolia cardinalis*.
- 105163 CHANG, Y. C. Added protection of cotton from the boll weevil. (Ch) *Nongye Jishu* 8:31, 39. Aug. 1963. 22.5 N929  
*Anthonomus grandis*.
- 105164 CHARPENTIER, L. J. Field experiments with insecticides for control of insect vectors and sugarcane mosaic spread. *Sugar J.* 27(3):17-19. Aug. 1964. 65.8 Su391  
*Dactynotus ambrosiae* and *Acyrtosiphon pisum*.
- 105165 CONFERENCE ON COTTON INSECT RESEARCH AND CONTROL, DALLAS, TEXAS, 1963. Sixteenth annual report. Washington, U. S. Agricultural Research Serv. Entomology Research Div., 1963. 89 p., map. 1.967 A2C76
- 105166 CONFERENCE ON COTTON INSECT RESEARCH AND CONTROL, MEMPHIS, TENN., 1964. Seventeenth annual report. Washington, U. S. Agricultural Research Serv. Entomology Research Div., 1964. 86 p., map. 1.967 A2C76
- 105167 DAVIS, J. J. Tobacco leaf-miner [*Phthorimaea operculella*] screening trials, 1961-1962. *Queensland J. Agr. Sci.* 20(4):515-518. Dec. 1963. 23 Q37  
Insecticide tests.
- 105168 DAVIS, J. J., and SAUNDERS, G. W. Tobacco leaf-pest control demonstration trials, 1960-1962. *Queensland J. Agr. Sci.* 20(4):425-435. Dec. 1963. 23 Q37  
With DDT, endrin, and dieldrin.
- 105169 DE SILVA, M. D. A note on the cutworm pests of potato in Ceylon. *Trop. Agr. [Peradeniya]* 118(2):86-87. Jan. 1964. 26 T751  
*Agrotis ypsilon*, *Agrotis segetum*, and *Peridroma saucia*.
- 105170 DUTT, N. When ramie is visited by the mealy bug [*Phenacoccus hirsutus*]. *Indian Farming* 14(2):9-10, 24. May 1964. 22 In283
- 105171 ENKERLIN S., D., and FERNANDEZ R., F. Efectividad del arseniato de calcio contra el picudo [*Anthonomus*] *grandis* (Bohemian) y otras plagas del algodón [Effectiveness of calcium arsenate against the borer *Anthonomus*] *grandis* (Bohemian) and other cotton pests]. *Fol. Ent. Mex.* 5, 20 p. Ref. Jan. 20, 1964. 421 F712  
Compared with about eight other insecticides.
- 105172 EVANS, D. E. Status of American bollworm [*Heliothis armigera*] on cotton at Sennar, Sudan. *Empire Cotton Growing Rev.* 41(3):202-209. July 1964. 72.8 Em7  
Includes control.
- 105173 EVERETT, T. R. and SHOWERS, W. B. Rice insect investigations. *Rice J.* 67(7):38-39. June 30, 1964. 59.8 R36  
Use of insecticides.
- 105174 FENEMORE, P. G., and FLEMING, V. I. Experimental procedure in field trials on the control of grass grub (*Costelytra zealandica* (Wh.), Melolonthinae, Scarabaeidae) with insecticides, with particular reference to the sampling variance of larval populations. *New Zeal. J. Agr. Res.* 7(2):219-227. May 1964. 23 N4892  
In pastures.
- 105175 FU, H. F. Insect injuries to cotton during the boll development period. (Ch) *Nongye Jishu* 6: 24-26. June 1963. 22.5 N929
- 105176 GATES, D. H. Sagebrush infested by leaf defoliating moth [*Aroga websteri*]. *J. Range Mangt.* 17(4):209-210. July 1964. 60.18 J82
- 105177 GESSELL, T. Sugar beet pests. *Sugar Beet* 16(40):22-25. Summer 1964. 66.8 Su34B

- 105178 GIGANTE, B. Presence of aphids on seed potato fields in Fucino. (It) Rome. Sta. di Patol. Veg. B. 21(1):17-24. 1963. 464.9 R662  
English summary.
- 105179 GORECKI, K. Foschlor R-50 in control of spinach leaf miner [*Pegomya hyoscyami*]. (Pol) Ochrona Roslin 7(5):27-28. May 1963. 464.8 Oc32  
On sugar beets.
- 105180 GOULD, H. J., and KINGHAM, H. G. The efficiency of commercial high volume spraying with acaricides on cucumbers under glass. Plant Path. 13(2):60-64. June 1964. 464.8 P692
- 105181 GT. BRIT. MINISTRY OF AGRICULTURE, FISHERIES AND FOOD. Flea beetles. Gt. Brit. Min. Agr. Fisheries & Food. Adv. L. 109, rev., 4 p. May 1964. 10 G79La  
Phyllotreta spp. on Cruciferae and Brassica.
- 105182 GRIGARICK, A. A. Invertebrate pest control on rice in California. Rice J. 67(7):65,68. June 30, 1964. 59.8 R36  
Chemical control of insects.
- 105183 GUVENC, H. Maize pests. (Tu) Pancar 13 (139):11,27. Apr. 1964. 66.8 P19  
Includes control.
- 105184 HASCOET, M. Characteristics of surface deposits, diffusion, and degradation in a number of truck crops of two endotherapeutic insecticides: demeton-S and endosulfon. (Fr) Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.:195-210. 423.9 In82  
English summary.  
Includes test on asparagus for control of *Polytyparea poeciloptera*.
- 105185 HILLS, O. A., and TAYLOR, E. A. Cantaloup insects in the Southwest; how to control them. U. S. D. A. L. 389, rev. 8 p. June 1964. 1 Ag84L  
Use of insecticides.
- 105186 HINZ, B. Differences in the capacity of aphid races to transmit phytopathogenic viruses. (Ge) Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 17(10/11):173-176. Ref. Oct./Nov. 1963. 464.9 N11  
English summary.  
*Acyrtosiphon pisum* tested on legumes in East Germany.
- 105187 HSU, W. C. On the control of rice pests. (Ch) Nongye Jishu 11:46-47. Nov. 1962. 22.5 N929  
Insect pests.
- 105188 HUANG, P. K., and LO, S. N. Studies on the leafhopper, *Empoasca subrufa* Melichar. (Ch) Acta Ent. Sinica 13(1):101-117. Ref. Jan. 1964. 421 K96  
English summary.  
Includes chemical control and biology.
- 105189 INGRAM, W. R., and DAVIES, J. C. Insecticides on cotton in Uganda; comparison of DDT, toxaphene, DDT plus toxaphene, BHC and DDT plus BHC. Empire Cotton Growing Rev. 41(2):124-136. Apr. 1964. 72.8 Em7
- 105190 JANNONE, G. Insects injurious to vegetable culture in northern Italy. (It) Agricoltura 13(5):81-85. May 1964. 16 Ag8226  
Includes insecticides for control.
- 105191 JENKINS, C. F. H. The red-legged earth mite and the lucerne flea. West. Austral. Dept. Agr. J. (ser. 4) 5(5):262-264, 267-269. May 1964. 23 W52J  
Includes integrated control of *Halotydeus destructor* and *Sminthurus viridis* in pastures.
- 105192 KARG, W. Soil biological investigation of cabbage fields after spraying with BHC or tri-chlorophen preparations. (Ge) Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 17(10/11):157-162. Ref. Oct./Nov. 1963. 464.9 N11  
English summary.  
Collembola and Acarina surveys in East Germany.
- 105193 KERSHAW, W. J. S. Aphid infestations in sugar beet seed crops. Plant Path. 13(2):90-91. June 1964. 464.8 P692  
*Myzus persicae*, vector of virus yellows.
- 105194 KHAN, M. A., and KHAN, A. R. Apparent damage by sunn pest (*Eurygaster integriceps*, Puton) in some parts of Quetta-Kalat divisions during 1962. Agr. Pakistan 14(4):436-439. Dec. 1963. 22 Ag832  
Grain.
- 105195 KHAN, M. A. Two-step-harvesting and its utility as a method of control of *Eurygaster integriceps* Puton in Pakistan. Agr. Pakistan 14(4):441-442. Dec. 1963. 22 Ag832  
Wheat.
- 105196 KOZLOWSKA, J. The effect of certain systemic preparations on soil nematode fauna. (Pol) Poznan. Inst. Ochrony Roslin. B. 21:185-188. 1963. 464.9 P87  
English summary.  
Tests with various insecticides used for field crop pest control.
- 105197 KVICALA, B. A. Transmission of common pea mosaic virus by a new aphid vector *Appelia schwartzii* Börner. Biologia [Bratislava] 18(12):881-888. Ref. 1963. 442.8 B5265
- 105198 LEQUENNE, J. M. Control of the Apion of red clover in 1962 in the Sarthe region. (Fr) Phytoma 15(152):21-26. Nov. 1963. 464.8 P563  
Apion apricans and Apion aestivum.
- 105199 LIOTTA, G. A serious infestation of late tomatoes. (It) Palermo. U. Ist. di Ent. Agr. B. 4:237-241. 1960/62. 423.92 P17  
Noctuids, *Heliothis armigera*, *H. nubigera*, and *Laphygma exigua* in Sicily.
- 105200 LUNG, C. C. Control of caterpillars during the winter in Kiangsi. (Ch) Nongye Jishu 11:36-39. Nov. 1963. 22.5 N929  
Rice pests.
- 105201 MCCAIN, F. S., and EDEN, W. G. Insect resistance important in corn breeding program. Highlights Agr. Res. [Ala. Sta.] 11(3):12. Fall 1964. 100 AL1H  
Hybrids resistant to *Sitophilus oryzae*.
- 105202 MCKENZIE, H. Cypress wheat; a new sawfly-resistant spring wheat. Res. Farmers 9(3):13-14. Summer 1964. 7 R31
- 105203 MCLEAN, D. M. Occurrence of an unknown virus infecting spinach in South Texas. Rio Grande Val. Hort. Soc. J. 18:78-81. 1964. 81 L95  
*Myzus persicae* as vector.
- 105204 MARKKULA, M., MYLLYMAKI, S., and KANNERVO, V. The abundance of seed pests of red clover in Finland and the effect of certain factors on their abundance. Ann. Agr. Fenn. 3(2):95-132, map. Ref. 1964. 20 An7
- 105205 MARTELLI, G. Insects injurious to vegetable crops in south central Italy. (It) Agricoltura 13(5):86-87. May 1964. 16 Ag8226
- 105206 NAGY, B. The European corn borer (*Ostrinia nubilalis* Hb.). (Hu) Buvar 8(6):331-336. Nov./Dec. 1963. 410 B98  
Includes control.
- 105207 NOWAKOWSKI, K. Pest control on seed plant fields. (Pol) Ochrona Roslin 8(3):25-27. Mar. 1964. 464.8 Oc32  
Chemical control on cruciferae, vegetables, and field crops.
- 105208 OBARSKI, J. Bruchidae occurring on Papilionaceae in Poland. (Pol) Ochrona Roslin 7(6):28-32. June 1963. 464.8 Oc32  
Pests of leguminous forage plants.
- 105209 OBARSKI, J. Ceutorrhynchus pleurostigma Marsh. and its control. (Pol) Poznan. Inst. Ochrony Roslin. B. 24:55-90. Ref. 1963. 464.9 P87  
English summary.  
Pest of winter rape and cruciferous vegetables.
- 105210 PANDYA, P. S., and PATEL, C. T. Possibilities of imparting resistance to pests in cotton by use of wild species of *Gossypium*. Indian Cotton Growing Rev. 18(3):175-176. May 1964. 72.8 In23
- 105211 PATE, T. L., and BRAZZEL, J. R. Cotton pests exhibit resistance to DDT. Agr. Chem. 19(8):34,36. Aug. 1964. 381 Ag8
- 105212 PATTERSON, R. S., and RAWLINS, W. A. Evaluation of phorate and Di-Syston for potato insect control in New York. Amer. Potato J. 41(7):196-200. July 1964. 75.8 P842



- 105213 PLANES GARCIA, S. Experiencias realizadas contra Earias insulana y Platyedra gossypiella Campana de 1959 [Experiments carried out against Earias insulana and Platyedra gossypiella; campaign of 1959]. Spain. Inst. Nac. de Invest. Agron. Trab. (Ser. Fitopatol.) 337,30 p. 1962/63. 464.9 Sp1  
Chemical control of cotton pests in Spain.
- 105214 PUTNAM, L. G., and HANDFORD, R. H. Potential and actual populations of grasshopper nymphs in tilled and untilled cereal grain fields. Canad. J. Plant Sci. 44(4):365-375. Ref. July 1964. 450 C16
- 105215 RAO, P. R. N., and VARADHARAJAN, G. Control of rice stem-borer [Tryporyza incertulas] by hand-picking of egg-masses. Rice News Teller 12(1):30-31. Jan./Mar.1964. 59.8 R366
- 105216 ROLSTON, L. H. Rice insect studies. Rice J. 67(7):17-18. June 30,1964. 59.8 R36  
Control of Lissorhoptrus oryzophilus larvae with aldrin in Arkansas.
- 105217 ROSE, D. J. W. Irrigated winter wheat. V. Pests of wheat. Irrig. Winter Wheat. Tech. P. 1:18-20. July/Aug.1963. 59.8 Ir7  
Northern Rhodesia and Southern Rhodesia.
- 105218 RUPPEL, R. F., and others. Chemical control of the corn armyworm [Laphygma frugiperda]. (Sp) Agr. Trop. 20(5):253-267. Ref. May 1964. 26 Ag8  
G. Bravo, C. Carmona, E. Idrobo, and M. A. Revelo, joint authors.  
Colombia.
- 105219 SAVOV, A. The application of some biological methods for the determination of parathion residues in green feed. (Bu) Akad. Selsk. Nauk. v Bulg. Vet. Nauch. Inst. Nezarazni Bolesti Zookhig. Izv. 3:179-186. Ref. 1963. 41.9 B874  
German summary.
- 105220 SCHILLINGER, J. A., ELLIOTT, F. C., and RUPPEL, R. F. A method for screening alfalfa plants for potato leafhopper [Empoasca fabae] resistance. Mich. Agr. Expt. Sta. Q. B. 46(4): 512-517. May 1964. 100 M58S
- 105221 SCHUSTER, M. F. Resistance in sweet corn hybrids to the corn earworm [Heliothis zea] in the lower Rio Grande Valley. Rio Grande Val. Hort. Soc. J. 18:74-77. 1964. 81 L95
- 105222 STONER, W. N., and ULLSTRUP, A. J. Corn stunt disease. Miss. Agr. Expt. Sta. Inform. Sheet 844,4 p.,map. Apr.1964. 100 M69In  
U. S. Dept. of Agriculture, cooperating.  
Transmitted by Dalbulus maidis and Dalbulus elimatus.
- 105223 STONER, W. N. Corn stunt disease in the United States through 1963. Plant Dis. Rptr. 48(8):640-644, map. Ref. Aug.15,1964. 1.9 P69P  
Includes Dalbulus maidis and D. elimatus as vectors.
- 105224 STRICKLAND, A. H. Frit fly in spring oats. IV. Field trials with Eagle and Sun II. Plant Path. 13(2):47-51. June 1964. 464.8 P692  
Oscinella frit.
- 105225 STRICKLAND, A. H. Frit fly in spring oats. V. Grain damage surveys, 1957-61. Plant Path. 13(2):52-56. June 1964. 464.8 P692  
Oscinella frit.
- 105226 SYLVEN, E. Plant protection problems of current interest. (Sw) Jord-Groda-Djur 20:124-132. 1964. 11 J763  
Chemical and biological control of crop pests.
- 105227 SZULC, P., and JASINSKA, A. Treatment with systemic insecticides does not affect adversely the germination of sugar beet seeds. (Pol) Ochrona Roslin 7(5):29-30. May 1963. 464.8 Oc32  
Tests with Metasystox.
- 105228 TAKAHASHI, Y. Globules in the adipose cells of the green rice leafhopper (Nephotettix cincticeps) infected with the virus of yellow dwarf disease of the rice plant. (Ja) Jap. J. Appl. Ent. & Zool. 7(4):350-351. Dec.1963. 475 J27
- 105229 T'AN, Y. C. Control of rice caterpillars during the winter season. (Ch) Nongye Jishu 12: 19-20. Dec.1962. 22.5 N929
- 105230 TASMANIA. DEPT. OF AGRICULTURE. ENTOMOLOGY DIV. Pasture cockchafer. Tasmanian J. Agr. 35(2):92-95. May 1964. 23 T182T  
Life history and chemical control of Aphodius howitti and Aphodius pseudotasmaniae.
- 105231 THYGESEN, T. Dasyneura brassicae Winn. in rape; observations on first and second flight in 1961 and 1962. (Da) Tidsskr. f. Planteavl 67(3):482-501. Ref. 1963. 11 T439  
English summary.
- 105232 THYGESEN, T. Present attacks of pests and some to be expected. (Da) Tolvmandsbladet 36(6):273-276. June 1964. 11 T58  
Includes control on field crops.
- 105233 TING, Y. C. Studies on the population fluctuations of cotton mirids in the cotton cultivation region of Kwanchung, Shensi, China. (Ch) Acta Ent. Sinica 13(3):297-310. Ref. May 1964. 421 K96  
English summary.
- 105234 TROJANOWSKI, G. News in the control of Colorado potato beetle [Leptinotarsa decemlineata]. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:45-47. 1964. 20 M57  
Chiefly application of aldrin and diSyston in soils of Poland.
- 105235 TROJANOWSKI, H. A new trend in potato pest control. (Pol) Poznan. Inst. Ochrony Roslin. B. 24:261-278. Ref. 1963. 464.9 P87  
English summary.  
Control of aphid carriers of virus diseases and of Leptinotarsa decemlineata with Bayer 19639.
- 105236 TS'AO, H. L. The potato moth. (Ch) Nongye Jishu 10:33-35. Oct.1963. 22.5 N929
- 105237 TSENG, H. T. A study on chemical control of sugarcane long horn beetle, Dorystenes hydropicus Pescoe. (Ch) Taiwan Sugar Expt. Sta. Rpt. 35:141-147. Mar.1964. 65.9 F76R  
English summary.
- 105238 VAPPULA, N. A. The incidence of pests in Finland in the years 1962-63. (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:212-226. 1964. 64.9 F49  
English summary.  
Chiefly on field crops and fruit.
- 105239 WALKER, P. T. Insecticide trials against frit-fly [Oscinella frit] on silage maize at Oxford, 1962 and 1963. Gt. Brit. Colon. Off. Trop. Pesticides Res. Unit. TPRU/Porton/Rpt. 268, 4 p. Dec.1963. 423.92 G798C
- 105240 WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Control of insects of field corn. Wash. State U. Agr. Ext. Ext. Mimeo. 2360,3 p. Jan.1964. 275.29 W27Mi  
Chemical control.
- 105241 WATSON, T. E., and IVEY, W. D. Search for better cotton insect control goes on. Highlights Agr. Res. [Ala. Sta.] 11(3):13. Fall 1964. 100 AL1H  
Rearing and insecticide resistance of Anthonomus grandis, Heliothis virescens, and Heliothis zea.
- 105242 WELLS, A. L., and GUYER, G. Control of the northern corn rootworm [Diabrotica longicornis] in Michigan. Mich. Agr. Expt. Sta. Q. B. 46(4):518-526. May 1964. 100 M58S
- 105243 WENGRIS, J. Observations on the spread of some pests of field crops in Olsztyn province. (Pol) Poznan. Inst. Ochrony Roslin. B. 24:315-322, map. 1963. 464.9 P87  
English summary.
- 105244 WETZEL, T. Experiences while working with the Berlese funnel. (Ge) Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 17(10/11):176-178. Oct./Nov.1963. 464.9 N11  
Useful for control of Thysanoptera in grasses and other insect pests in East Germany.
- 105245 WITKOWSKI, W. Dusting formulations in control of the bean aphid [Aphis fabae]. (Pol) Ochrona Roslin 7(12):24-25. Dec.1963. 464.8 Oc32  
On sugar beets.
- 105246 WU, H. C. Torymus and Gryllodes berthellus. (Ch) Nongye Jishu 11:32-35. Nov.1963. 22.5 N929  
Cotton pest control.

- 105247 ZUBER, M. S., and DICKE, F. F. Interrelationship of European corn borer, [*Ostrinia nubilalis*] plant populations, nitrogen levels, and hybrids on stalk quality of corn. *Agron. J.* 56 (4):401-402. Ref. July/Aug.1964. 4 Am34P
- 105248 ZUMMO, N., and CHARPENTIER, L. J. Vector-virus relationship of sugarcane mosaic virus. I. Transmission of sugarcane mosaic virus by the brick-red sowthistle aphid (*Dactynotus ambrosiae* Thos.). *Plant Dis. Rptr.* 48 (8):636-639. Aug.15,1964. 1.9 P69P
- Pests of Fruit and Nut Crops
- 105249 ARROYO VARELA, M. Large-scale artificial rearing of "*Ceratitis capitata* Wied" by the Delanoue method; program of sterilization of the males. (Sp) Spain. Inst. Nac. de Invest. Agron. Conf. 1964:31-49. 15 Sp18C  
With ionizing radiation.
- 105250 AVILES ALGARRA, J. Biological control. (Sp) *Cult. Mod.* 47(2):59. Feb.1964. 15 C89  
Of *Pseudococcus citri*.
- 105251 AVILES ALGARRA, J. Recent considerations on biological control. (Sp) *Cult. Mod.* 47(1):5-6. Jan.1964. 15 C89  
Control of *Dacus oleae* with *Opius concolor* in the Mediterranean area and effectiveness of control of *Coccus oleae* with *Aphycus lounsburyi* and its decrease when the latter was in turn parasitized by *Quaylea whittieri*.
- 105252 BARRA, I. Control of gall inhabiting forms of *Phylloxera vitifoliae*. (Hu) Budapest. Szolesz. Kutato Intezet. Kutatasi Eredmenyei 2:33-35. 1963. 95.9 B85S  
With various insecticides.
- 105253 BATRA, H. N. Value of clensel as a chemical attractant and preliminary studies on population fluctuations and movements of fruit-flies in the orchards. *Indian J. Agr. Sci.* 34(1):28-37. Ref. Mar.1964. 22 Ag83I
- 105254 BIRAT, R. B. S. Mango's mealy bug [*Drosicha mangiferae*] menace. *Indian Farming* 14(1):14-15. Apr.1964. 22 In283
- 105255 BLAIR, G. P. Red ring disease of the coconut palm. *Agr. Soc. Trinidad & Tobago. J.* 64(1):31-49. Ref. Mar.1964. 8 T73  
Caused by *Radinaphelenchus cocophilus*; includes chemical control of vector, *Rhynchophorus palmarum*.
- 105256 BOVEY, P., TADIC, M., and PANTELLIC, M. Raspberry cane maggot (*Pegomya rubivora* Coq.) in Switzerland and Yugoslavia. (Fr) *Rev. de Path. Veg. et d'Ent. Agr. de France* 42(2):71-76. Ref. 1963. 464.9 S01  
English summary.
- 105257 CASTILLO, J. A. Trial with different insecticides for the control of the coffee leaf miner (*Leucoptera coffeella* Guer) during the rainy season. (Sp) *Cafe de El Salvador* 33(376/381):112-120. Ref. Mar./Aug.1963. 68.28 C112
- 105258 CHIAROMONTE, A. Insects injurious to the oil plants of Somaliland. (It) *Olearia* 8(2/3):61-68. Ref. Mar./June 1964. 307.8 OL52  
English summary.  
The coconut palm *Cocos nucifera*.
- 105259 CH'EN, T. Y. A study of two species of the litchi stem-borers. (Ch) *Acta Ent. Sinica* 13 (2):159-171. Mar.1964. 421 K96  
English summary.  
*Arbela dea* and *A. baibarana* controlled with BHC and DDT.
- 105260 COURAUT, J. Mites [*Aculus cornutus*] and late silver leaf of the peach tree in the Landes region of France. (Fr) *Phytoma* 16(155):33-34. Feb.1964. 464.8 P563
- 105261 DALMASSO, G. A little insect that makes annular incision in grapes without needing pin-cers. (It) *Colt. e Gior. Vinic. Ital.* 110(6):208-212. June 1964. 16 C72  
*Ceresa bubalus*.
- 105262 DAMIANO, A. Parasites damaging olives in Tripolitania and control methods. (It) *Riv. di Agr. Subtrop. e Trop.* 57(10/12):447-462. Oct./Dec.1963. 26 Ag82  
English summary.  
Insecticidal and biological control included.
- 105263 DANGUY, R., and others. Study of the aphicide value of new insecticides in relation to plant lice of fruit trees. (Fr) *Phytiatrie-Phytopharm.* 12(4):217-222. 1963. 464.8 P564  
G. Ferand, J. Goix, V. Lagaude, and G. Pfeiffer, joint authors.
- 105264 DEAN, H. A., and BAILEY, J. C. Certain post-bloom treatments for control of Texas citrus mites [*Eutetranychus banksi*] and their effect on chaff scale [*Parlatoria pergandii*] parasites. Rio Grande Val. Hort. Soc. *J.* 18:29-32. 1964. 81 L95
- 105265 DECELLE, J. Control of Miridae of cacao on the Ivory Coast. (Fr) *Cacao Mirid Contr.* Conf. Proc. 1963:53-54. 1964. 68.39 C643  
*Sahlbergella* and *Distantiella*.
- 105266 DZHASHI, V. S., MURUSIDZE, G. E., and LOMADZE, R. V. Kelthane and Rogor--efficient chemicals for citrus mite control. (Rus) *Makharadze. Vses. Nauch.-Issled. Inst. Chaya Subtrop. Kul't. Subtrop. Kul't.* 1:55-66. Ref. 1963. 68.19 M28  
English summary.  
*Phyllocoptura oleivora* and *Metatetranychus citri*.
- 105267 ENTWISTLE, P. F. Cocoa mirids in Nigeria: a review of present knowledge. *Cacao Mirid Contr.* Conf. Proc. 1963:55-61. Ref. 1964. 58.39 C643
- 105268 FERAND, G. Experiments designed to control *Hoplocampa* in pears in the Lyons region. (Fr) *Phytoma* 15(150):22-23. July/Aug.1963. 464.8 P563
- 105269 FERNANDEZ, C. E. The problem of the miner persists. (Sp) *Rev. Cafetal.* 33:13. May 1964. 68.28 R322  
*Leucoptera coffeella* in Guatemala.
- 105270 GERARD, B. M. Side effects from the use of insecticides. II. Effects on insects other than mirids. *Cacao Mirid Contr.* Conf. Proc. 1963:28-32. Ref. 1964. 68.39 C643  
*Oecophylla longinoda* and *Macromischoidea aculeatus* treated with Sevin and Sumithion. Includes discussion.
- 105271 GERARD, B. M. Some advantages of integrating research on mirid control in West Africa. *Cacao Mirid Contr.* Conf. Proc. 1963:36-45. Ref. 1964. 68.39 C643  
*Sahlbergella singularis* and *Distantiella theobroma*; chemical control.
- 105272 GILMORE, J. E., and MUNGER, F. Stability and transmissibility of a viruslike pathogen of the citrus red mite [*Panonychus citri*]. *J. Insect Path.* 5(2):141-151. June 1963. 421 J826  
Includes biological control field lists.
- 105273 GOOS, A., POLCIK, B., and MARUSKA, F. Evaluation of several new domestic insecticides. (Pol) *Ochrona Roslin* 7(12):17-23. Dec. 1963. 464.8 Oc32  
Tests with fruit and field crop pest control.
- 105274 GUAGLIUMI, P. The Mediterranean fruit fly (*Ceratitis capitata* Wied.: Dipt., Trypetidae) in Venezuela. (It) *Riv. di Agr. Subtrop. e Trop.* 57(10/12):364-369. Oct./Dec.1963. 26 Ag82  
English summary.  
Biological control.
- 105275 GUALBA, C. Leaf roll, leprosy, or "arrufat." (Sp) *Cult. Mod.* 47(3):85-86. Mar.1964. 15 C89  
*Taphrina deformans* on peaches and its spread by aphids.
- 105276 GUEROUT, R., and VILARDEBO, A. Limacodidae parasites of the banana plant with particular reference to *Teinorhyncha umbra* (Holland) in the Ivory Coast. (Fr) *Fruits* 19(1):3-16. Ref. Jan.1964. 80 F9492  
English summary, p.47.
- 105277 GUEROUT, R., and FURON, V. The problem of fruit-biting butterflies in the Ivory Coast. (Fr) *Fruits* 19(5):259-261. May 1964. 80 F9492  
English summary, p.286.  
Fruit pierced by moths subject to attack by *Oospora* and *Penicillium*.
- 105278 GVRITISHVILI, V. A. Chlorophos for control of cherry fruit fly [*Rhagoletis cerasi* L.]. (Geo) *Akad. Nauk Gruzinskoi SSR. Soobshcheniya* 34 (1):155-158. Apr.1964. 511 Ak146  
Russian summary.



- 105279 HERNANDEZ PAZ, M. The miner and its control—*Leucoptera coffeella* Guer. (Sp) Rev. Cafetal. 31:7-17. Mar.1964. 68.28 R322
- 105280 INGUNZA S, M. A. Campaign against the "coffee berry borer" in Peru. (Sp) Cafe Peruano 17:4-5. Mar.1964. 68.28 C118  
Stephanoderes hampei.
- 105281 JONG, D. J. DE. The blackberry-stemborer *Hartigia nigra* (Hymenoptera, Cephidae) in cultivated blackberries. (Du) Tijdschr. over Planteziekten 70(2):61-62. 1964. 464.8 T44  
English summary.
- 105282 JUSCAFRESA, B. Preventive protection of fruit trees in winter. (Sp) Cult. Mod. 47(2):47-48. Feb.1964. 15 C89  
Spraying for insect control.
- 105283 KOMOSINSKA-CZWARTACKA, H. Results of the examination of Coccoidea (Homoptera) on citrus fruits imported to Poland. (Pol) Poznan. Inst. Ochrony Roslin. B. 24:93-97. 1963. 464.9 P87  
English summary.
- 105284 KRCZAL, H. The beech weevil *Rhynchaenus fagi*, an infrequent fruit pest. (Ge) Erwerbs-obstbau 5(12):223-224. Dec.1963. 80 Er9  
Outbreak in Germany.
- 105285 LARYEA, A. A. The Cocoa Diseases and Pest Control Unit of the Ghana Ministry of Agriculture: organization for mirid control. Cacao Mirid Contr. Conf. Proc. 1963:46-47. 1964. 68.39 C643  
Insecticides.
- 105286 LESKI, R. Determination of the resistance of the European red mite [*Panonychus ulmi*] to acaricides applied in the Skierniewice orchard and connected problems of orchard protection. (Pol) Poznan. Inst. Ochrony Roslin. B. 24:373-381. 1963. 464.9 P87
- 105287 LIU, S. C. Note on nine litchi flower and fruit borers in Kwangtung Province. (Ch) Acta Ent. Sinica 13(2):145-158. Ref. Mar.1964. 421 K96  
English summary.  
Microlepidoptera.
- 105288 LLOYD, N. C. Red mite. Agr. Gaz. N. S. Wales 75(7):1149-1151. July 1964. 23 N472  
Includes chemical control and biology of Tetranychidae, pest of fruit.
- 105289 LU, W. M. Use the leisure winter period to rid tea of Eumeta and stalk borers. (Ch) Nongye Jishu 11:23-24. Nov.1963. 22.5 N929  
Lepidoptera.
- 105290 MADSEN, H. F. The walnut husk fly—insidious status seeker. West. Fruit Grower 18(7):11-12. July 1964. 95.8 G762  
Includes control of *Rhagoletis completa*.
- 105291 MAHARAJ, S. The development of the palm weevil [*Rhynchophorus palmarum*] in felled coconut trees. Agr. Soc. Trinidad & Tobago. J. 64(1):67-74. Mar.1964. 8 T73  
Vector of red-ring disease, caused by *Rhadinaphelenchus cocophilus*.
- 105292 MAHARAJ, S. The use of arsenic on coconut trees suffering from red-ring disease. Agr. Soc. Trinidad & Tobago. J. 64(1):59-65. Mar. 1964. 8 T73  
To control weevil *Rhynchophorus palmarum*.
- 105293 MILAIRE, H. Observations on the Mediterranean fruit fly in 1962. (Fr) Phytoma 15(150):20-21. July/Aug.1963. 464.8 P563  
*Ceratitis capitata* in France.
- 105294 MORETON, B. D., and JOHN, M. E. Control of strawberry seed beetle [*Harpalus rufipes*] by poison bait. Plant Path. 13(2):91-92. June 1964. 464.8 P692
- 105295 MOUSSON, G. A mite [*Cenopalpus pulcher*] of badly maintained orchards. (Fr) Phytoma 16(155):39-40. Feb.1964. 464.8 P563
- 105296 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGY BR. San Jose scale (*Quadraspidiotus perniciosus*). Agr. Gaz. N. S. Wales 75(4):993-994. Apr.1964. 23 N472  
Life history and chemical control on fruit.
- 105297 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGY BR. Woolly apple aphid (*Eriosoma lanigerum*). Agr. Gaz. N. S. Wales 75(7): back cover. July 1964. 23 N472  
Includes biological control with *Aphelinus mali*, and chemical control.
- 105298 NIEMCZYK, E. Hatching of the European red mite (*Panonychus ulmi* Koch) from winter eggs. (Pol) Ochrona Roslin 7(11):26-28. Nov.1963. 464.8 Oc32  
Includes chemical control on fruit trees.
- 105299 NIEMCZYK, E. Notes on control of apple ermine moth [*Hyponomeuta malinella*]. (Pol) Ochrona Roslin 8(1):23. Jan.1964. 464.8 Oc32  
Chemical control.
- 105300 NOMURA, K., and others. Studies on the bark treatment for fruit trees with methyl demeton. Jap. J. Appl. Ent. & Zool. 8(1):69-75. Ref. Mar.1964. 475 J27  
S. Sudo, T. Shimizu, and Y. Tashiro, joint authors.
- 105301 NONVEILLER, G. Methods of control of Miridae of T. cacao L. in Cameroon. (Fr) Cacao Mirid. Contr. Conf. Proc. 1963:52. 1964. 68.39 C643  
*Sahlbergella singularis* and *Distantiella theobroma*.
- 105302 PETERSON, D. G. Studies of the chemical control of mirids (Hemiptera, Miridae) on cocoa in Ghana. Cacao Mirid Contr. Conf. Proc. 1963:14-23. map. Ref. 1964. 68.39 C643  
Includes discussion.
- 105303 PETRUSHOVA, N. I. Economic effectiveness of chemical protection of fruit. (Rus) Sadovodstvo 6:12-13. June 1964. 80 Sa13  
Costs and returns of insecticides.
- 105304 PUZZI, D., RIGITANO, O., and ORLANDO, A. Control of fruit flies on peaches with Lebaycid dusts. (Por) Biologico 29(9):189-190. Sept. 1963. 442.8 B529  
*Anastrepha* spp. and *Ceratitis capitata*.
- 105305 RAMACHANDRAN, C. P., KURIAN, C., and MATHEW, J. Assessment of damage to coconut due to *Oryctes rhinoceros* L., nature of damage caused by the beetle and factors involved in the estimation of loss. Indian Coconut J. 17(1):3-12. Oct./Dec.1963. 77.8 In2
- 105306 RAUTAPAA, J. The raspberry aphids [*Aphis idaei* and *Amphorophora rubi*] (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:178-186. 1964. 64.9 F49  
English summary.
- 105307 REBANDEL, Z. Cyclamen mite (*Steneotarsonemus pallidus* Banks) and its complex control. (Pol) Ochrona Roslin 7(7):15-23. Ref. July 1963. 464.8 Oc32  
On strawberries; a review of literature.
- 105308 REINKING, R. B. Brown soft scale [*Coccus hesperidum*] control with oil. Rio Grande Val. Hort. Soc. J. 18:33-35. 1964. 81 L95  
Pest of citrus in Texas.
- 105309 RICHTER, J. Dwarf disease of *Rubus* species (*Rubus stult*). (Ge) Nachrbl. f. den Deut. Pflanzenschutzdienst (n.s.) 17(10/11):170-173. Ref. Oct./Nov.1963. 464.9 N11  
English summary.  
Leafhopper, *Macropsis fuscus* as vector, in East Germany.
- 105310 SAVZDARG, E. E. News in the control of currant bud mite [*Phytoptus ribis*]. (Rus) Sadovodstvo 5:40-41. May 1964. 80 Sa13  
Chemical.
- 105311 SEKHAR, S., and SEKHAR, P. S. Host relationships of coffee shot hole borer, *Xylosandrus compactus* Eichoff, (*Xyleborus morstatti* Hgdn.) I. Free and protein amino acids of the borer stage and the larval food. Turrialba 14(2):71-75. Ref. Apr./June 1964. 8 T86
- 105312 SHEVCHENKO, V. G., and PROKOF'EV, M. A. Four-legged mites as pests of fruit. (Rus) Sadovodstvo 6:37-38. June 1964. 80 Sa13  
Includes chemical control.
- 105313 SIMANTON, W. A. Quarterly citrus insect and mite outlook. Citrus & Veg. Mag. 27(12):9. Aug.1964. 80 C498
- 105314 STEPANOV, E. M. Parasites of tea moth [*Parametriotes theae*]. (Rus) Makhadarze. Vses. Nauch.-Issled. Inst. Chaya Subtrop. Kul't. Subtrop. Kul't. 1:31-38. Ref. 1963. 68.19 M28  
English summary.  
Hymenoptera; includes natural and cultural methods of control.

- 105315 TAVAMAISHVILI, E. F. *Aonidiella citrina* Coq. control in west Georgia citrus plantations. (Rus) Makharadze. Vses. Nauch.-Issled. Inst. Chaya Subtrop. Kul't. Subtrop. Kul't. 1:67-80. Ref. 1963. 68.19 M28  
English summary.  
Chiefly chemical control.
- 105316 TELFORD, J. N. The history and distribution of resistance in mirids in Ghana up to 1st August, 1963. Cacao Mirid Contr. Conf. Proc. 1963:3-13, map. Ref. 1964. 68.39 C643  
Distantiella theobroma.  
Includes discussion.
- 105317 TOMINIC, A. Life cycle and protection against the olive black scale [*Saissetia oleae*]. (Se) Agrohemija 7/8:455-472. Ref. 1963. 385 Ag87  
English summary.
- 105318 TOUZEAU, J. The control of pests of the olive tree in Tunisia; preliminary study on a dangerous pyralis of the olive tree *Euzophera pinguis nelliella* Rag. (Fr) Inform. Oleicoles Internatl. (n.s.)23:33-37. July/Sept. 1963. 80 In3  
Includes chemical control of *Saissetia oleae*.
- 105319 TROUILLON, L. L. The six treatments of the peach tree. (Fr) Pomol. Franc. (n.s.)6(6):177-180, 183-186. June 1964. 80 P77  
Control of insect pests.
- 105320 T'UNG, T. C. Control of *Grapholitha molesta* attacking the jujube. (Ch) Nongye Jishu 5:21. May 1963. 22.5 N929
- 105321 VARMA, P. M., and CAPOOR, S. P. "Foorkey" disease of large cardamon [*Amomum subulatum*]. Indian J. Agr. Sci. 34(1):56-62. Mar. 1964. 22 Ag831  
*Pentalonia nigronervosa* as virus vector.
- 105322 VASEV, A. Studies on the biology of apple sawfly (*Hoplocampa testudinea* Klug.) and means of control. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Ovoshtarstvo. Izv. 5:145-156. Ref. 1963. 86 G16  
German summary.  
With various insecticides.
- 105323 VILARDEBO, A., and GUEROUT, R. *Plusia chalytes* Esp. (Lepidoptera, Noctuidae) injurious to the banana plant in the coastal regions of West Africa. (Fr) Fruits 19(4):195-208. Apr. 1964. 80 F9492  
English summary, p.232.
- 105324 WIACKOWSKI, S. K. Problems in rearing *Tri-chogramma* spp. and ways of doing it. (Pol) Ochrona Roslin 7(6):7-9. June 1963. 464.8 Oc32  
Biological control of fruit pests, chiefly of *Carpocapsa pomonella* and *Laspeyresia funebrana*.
- 105325 WOJNAROWSKA, P., and WITKOWSKI, W. Control of *Caliotha-Eriocampoides limacina* Retz. larvae. (Pol) Ochrona Roslin 7(6):15-16. June 1963. 464.8 Oc32  
Chemical control on fruit trees, chiefly plums, cherries, and mazzard cherries.
- 105326 WOJNAROWSKA, P., and WITKOWSKA, D. Testing new insecticides for control of *Rhagoletis cerasi* L. (Pol) Ochrona Roslin 7(5):18-20. May 1963. 464.8 Oc32  
Pest of cherries and mazzard cherries.

#### Pests of Ornamentals, Greenhouses, and Nurseries

- 105327 BAKKE, A. Pests in Norwegian forest nurseries and responsibilities of the forest nurseries for the control of *Hylobius abietis*. (No) (Excerpts.) Arsskr. f. Norske Skoplantesk. 1963:58-59, 61-63, 65-67. 1964. 99.9 N8122  
On spruce and pine.  
Discussion p.67-71.
- 105328 DAVIS, C. J. Notes on new and old orchid pests in Hawaii. Pacific Orchid Soc. Hawaii. B. 22(2):7-14. June 1964. 96.2 P11
- 105329 DENNIS, E. B. Control of yew scale [*Eulecanium pomeranicum*]. Plant Path. 13(2):85-86. June 1964. 464.8 P692
- 105330 JEFFERSON, R. N., and DEAL, A. S. *Dichondra* pests in Southern California. Calif. Turf-grass Cult. 14(3):17-20. July 1964. 60.18 So8  
Includes control with insecticides.

- 105331 JEFFERSON, R. N., and DEAL, A. S. *Dichondra* pests in Southern California. Lasca Leaves 14(3):67-73. July 1964. 450 L33  
Includes control with insecticides.
- 105332 SHERMAN, M. Insecticides and the orchid grower. Pacific Orchid Soc. Hawaii. B. 22(2):15-17. June 1964. 96.2 P11

#### Pests of Stored Products and Processed Commodities

- 105333 COULON, J. Comparison between the efficacy of pyrethrins with synergists and gamma HCH on *Calandra granaria*. (Fr) Phytatrie-Phytopharm. 12(2):67-69. 1963. 464.8 P564
- 105334 EKBOM, P. The most important pests of grain and feed of native origin. (Fi) Finland, Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:138-144. 1964. 64.9 F49  
German summary.
- 105335 GOSSWALD, K., SCHULZE, E. F., and KLOFT, W. Problems of application and action of Thiodan studied with S<sup>35</sup>-labelled insecticide. Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.: 241-248. Ref. 423.9 In82  
Studies include isomers; effects of humidity on *Calandra granaria* control and body temperature.  
Includes discussion.
- 105336 THE GRAIN is not for the weevil. (Ge) Tech. u. Landwirt. 16(13):322-323. July 10, 1964. 58.8 T223  
Control of *Sitophilus granarius* with pyrethrum-piperonyl butoxide preparations.
- 105337 HERBERT, R. Beating the insect attack on the world's crops. Prakt. Schadlingsbekämpfer 16(1):1-3. Jan. 1964. 421 P882  
Text also in German.  
Work on storage pests of the Pest Infestation Laboratory at Slough, Buckinghamshire, England, of the Agricultural Research Council.
- 105338 MATZKE, W. Problems of the grain and flour pests in Poland. (Pol) Ochrona Roslin 6(5):17-21. Sept./Oct. 1962. 464.8 Oc32  
Chemical control in storage.
- 105339 MORRISON, E. O. A survey on the distribution of the rice weevil complex, *Sitophilus* spp., infesting stored grain in Texas and a check-list of other stored grain insect pests encountered. Tex. J. Sci. 16(1):90-95, map. Mar. 1964. 470 T31  
*Sitophilus oryzae* and *S. zeae*-mais.
- 105340 EL-REFAI, A. R. M. Retention of hydrogen cyanide by sesame under quarantine conditions of fumigation. Indian J. Ent. 25(2):103-109. June 1963. 420 In23  
Against *Ephestia* spp., *Tribolium* spp. and spp. of the *Lygaeidae*, in United Arab Republic.
- 105341 REICHMUTH, W., and STUBEN, M. Investigations on the physical and insecticidal properties of paradichlorobenzene, naphthalene, and hexachloroethane in control of the clothes moth (*Tineola bisselliella* Hum.). (Ge) Zool. Beitr. 9(2/3):197-227. Ref. 1963. 410 Z753  
Germany.
- 105342 SINHA, R. N. Suitability of climatic areas of Canada for infestation of some major stored grain insects on farms. Ent. Soc. Manitoba. Proc. 19:31-39, map. Ref. 1963. 420 En88  
Includes insect adaptation.
- 105343 TARSHIS, I. B. The use of the silica aerogel insecticides, Dri-Die 67 and Drione, in new and existing structures for the prevention and control of cockroaches. Lab. Anim. Care 14(3):167-184. Ref. June 1964. 410.9 P94  
Drione is a synergized pyrethrin formulation with Dri-Die 67.
- 105344 TS'AO, C. How to prevent the potato moth during the potato storage period. (Ch) Nongye Jishu 10:36. Oct. 1963. 22.5 N929
- 105345 VITRO ENGINEERING CO. Cobalt-60 bulk grain irradiator; study report. New York, 1963. 37 p. (U. S. Brookhaven National Laboratory, Upton, N. Y. BNL 810 (T-312)) 423 V832



- 105346 WATANABE, Y., and SAKURAI, Y. The influences of amino acids to the development of *Tribolium castaneum*. (Ja) Tokyo. Food Res. Inst. Rpt. 18:96-99. Mar. 1964. 389.9 T57  
English summary.  
Pest of stored grains.
- 105347 WICHSEY, W. R. Contamination in the corn milling industry. (Condensed.) Agr. Engin. 45 (7):376-377. July 1964. 58.8 Ag83  
By insects, rodents and residues.
- 105348 ZAGATTO, A. G., ORLANDO, A., and COU-TINHO, J. M. Study on the use of *Bacillus thuringiensis* Berliner to control insects of stored grain. (Por) Biologico 29(11):234-236. Nov. 1963. 442.8 B529  
*Sitotroga cerealella* and *Sitophilus oryzae*.
- Pests of Trees and Wood Products**
- 105349 AKADEMIYA NAUK, SSSR, INSTITUT LESA I DREVESINY. Zashchita lesov Sibiri ot nasekomykhvreditelei [Protection of Siberian forests from insect pests]. Moskva, 1963. 216 p., map. Ref. 423 Ak13
- 105350 ASHRAF, M. Wood-wasps [Siricidae] in West Pakistan. Commonwealth Inst. Biol. Control. Tech. B. 4:66. Jan. 1964. 423.92 C733T  
*Sirex imperialis*, *Xeris himalayensis*, *Urocercus xanthus* on conifers.
- 105351 AVRAMENKO, I. D., and ZENCHENKO, V. S. Forecasting the outbreaks of harmful insects for 1964 in forests of Belorussia and Russian SFSR. (Rus) Lesn. Khoz. 4:58-61. Apr. 1964. 99.8 L5622
- 105352 AVRAMENKO, I. D. Pine cutworm as harmful pest. (Rus) Lesn. Khoz. 11:50-51. Nov. 1963. 99.8 L5622  
*Panolis flammea*.
- 105353 BACHMANN, F. New methods for control of wood boring caterpillars. (Ge) Ghent. Landhogesch. Meded. 28(3):811-814. 1963. 105.1 G344  
Insecticides used on trees.
- 105354 BARRETO, L. S. Overseas forest exploitation; the protection of green wood. (Por) Gaz. do Agr. 16(177):41-46. Ref. Feb. 1964. 24 G25  
Insect and fungus attack and protection of logs in Mozambique
- 105355 CATRINA, I., and others. Establishment of the processes of absorption and diffusion of systemic insecticides in *Populus euramericana* Dode Guinier "Robusta." (Fr) Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.:211-221. 423.9 In82  
A. Popa, V. Constantinesco, O. Constantinesco, E. Constantinesco, and C. Huluta, joint authors.  
English summary.  
Radioactive tracer in study of *Dipterex* and its application.  
Includes discussion.
- 105356 CHURCHILL, G. B., and others. Long-term effects of defoliation of aspen [*Populus tremuloides*] by the forest tent caterpillar [*Malacosoma disstria*]. Ecology 45(3):630-633, map. Summer 1964. 410 Ec7  
H. H. John, D. P. Duncan, and A. C. Hodson, joint authors.  
Minnesota.
- 105357 DOANE, C. C. Recent testing for control of Dutch elm disease. Conf. Dutch Elm Dis. Proc., 18th Annu. Conf.:19-24. 1963. 464.07 C765  
Chemical and biological control of vectors, *Scolytus multistriatus* and *Hylurgopinus rufipes*.
- 105358 EGOROV, N. N., and SOLOZHENIKINA, T. N. Leaf roller moth— a mass pest of the oak groves in the Voronozh Region. (Rus) Zool. Zhur. 42(10):1501-1512. Ref. 1963. 410 R92  
English summary.  
*Cacoecia crataegana*.
- 105359 EIDT, D. C. Report to the Government of Nigeria on a survey of insect pests of indigenous trees in plantations and nurseries. Food & Agr. Organ. United Nations. Expanded Tech. Asst. Program. FAO Rpt. 1775, 64 p. 1963. 281.9 F733E
- 105360 GARUNOV, G. G. Species composition of cockchafers and their distribution in Archedinsk state forestry establishment in Volgograd Region. (Rus) Nauch. Dok. Vysshei Shkoly. Biol. Nauki 2:17-22. 1963. 442.8 N22  
*Melolonthinae*.
- 105361 GIESEKING, E. Wood preservatives offering control of insects. (Ge) Prakt. Schadlingsbekampfer 15(11):149-151. Nov. 1963. 421 P882  
Control of Anobiidae and Hylotrups bajulus with Osmol WB 4; discussion of article by Kammerer in No. 6, 1963 of this journal.
- 105362 GILES, R. H., and PETERLE, T. J. Distribution of aerially applied malathion-S<sup>35</sup> in a forest ecosystem. Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.:55-84, map. Ref. 423.9 In82  
Tested in Ohio.  
Includes discussion.
- 105363 GORYACHEVA, V. I. Chemical protection of pine from secondary pests after root blight infection. (Rus) Lesn. Khoz. 5:45-46. May 1964. 99.8 L5622
- 105364 HALPERIN, J. Phytosanitation and the control of forest insects. (He) La-Yaaran 14(2):37-41. June 1964. 99.9 So19  
English summary, p.42.  
Includes biological control.
- 105365 HARRANGER, J. Damage caused by the willow moth [*Leucoma (Stilpnotia) salicis*] on poplar trees. (Fr) Phytoma 15(152):26-27. Nov. 1963. 464.8 P563  
In France.
- 105366 HATCHER, R. J. Effects of birch dieback and spruce budworm on forest development, Forest Section L.6, Quebec. Can. Dept. Forest. Publication 1014, 16 p. 1963. 99.9 C1628P  
*Choristoneura fumiferana*.
- 105367 HEIKKENEN, H. J. A Dioryctria spp. outbreak and its control in a loblolly-slash pine seed orchard. J. Forestry 62(8):577-579. Aug. 1964. 99.8 F768  
Chiefly with BHC.
- 105368 HOWICK, C. D. Common borers in building timbers. V. The longicorn borers. C.S.I.R.O. Forest Prod. Newslet. 308:1-4. June 1964. 99.9 Au722F  
*Cerambycidae* spp.
- 105369 ISAEV, A. S., and UTKIN, A. I. Low fires in *Larix dahurica* forests of eastern Siberia and role of trunk pests on after-fire state of trees. (Rus) In Akademiya Nauk. SSSR. Lesa i Drevesiny. Zashchita lesov Sibiri ot nasekomykhvreditelei, p.118-182. Ref. 1963. 423 Ak13
- 105370 JOHNSON, N. E. Compatability of pollen with insecticides used in controlling insects in Douglas fir cones. Weyerhaeuser Co. Forestry Res. Note 52, 10 p. Apr. 1963. 99.9 W54  
Guthion and Sevin applied.
- 105371 JOHNSON, N. E. Factors influencing the "second-attack" of the Douglas fir beetle—progress 1960-1962. Weyerhaeuser Co. Forestry Res. Note 53, 14 p. Ref. Apr. 1963. 99.9 W54  
Sensitivity of *Dendroctonus pseudotsugae* to the moisture content of sapwood.
- 105372 KAMYANOL, L. A. Heptachlor for control of insect pests damaging roots of trees. (Rus) Lesn. Khoz. 1:54. Jan. 1964. 99.8 L5622
- 105373 KARAMAN, Z. The blue pine curculionid, *Magdalis frontalis* Gyll. in Macedonia. (Se) Zastita Bilja 75:553-555. 1963. 464.8 Z1  
German summary.  
On *Pinus nigra*.
- 105374 KHVATOVA, L. P. Pests of ash in the Veliko-Anadol'skii forest and their control. (Rus) Lesn. Khoz. 1:52-53. Jan. 1964. 99.8 L5622  
Chiefly chemical control of *Zeuzera pyrina* and *Hylesinus fraxini*.
- 105375 KIM, N. G. Poplar scale and methods of its control. (Rus) Lesn. Khoz. 11:47-48. Nov. 1963. 99.8 L5622  
*Aspidiotus slavonicus*, chiefly chemical control.
- 105376 KOCH, W. The year of the forester. 11. Healthy forest—protected forest. (Ge) Kosmos 59(11):487-489. Nov. 1963. 474 K842  
Cultural control of insects, chiefly bark beetles.

- 105377 KONDAKOV, YU. P. *Ocneria dispar* L. as forest pest in Krasnoyarsk Territory. (Rus) In *Akademiya Nauk. SSSR. Lesa i Drevesiny. Zashchita lesov Sibiri ot nasekomykh-vreditel'ei*, p.30-77, map. Ref. 1963. 423 Ak13  
Chiefly chemical control.
- 105378 LEGAY, J. M. The beech cecidomyid, *Mikiola fagi*: an example of negative binomial distribution. (Fr) *Ann. des Epiphyt.* 14(1):49-56. 1963. 464.9 F84An  
English summary.
- 105379 LOUISIANA. DEPT. OF EDUCATION. Pine forest insect, Ips, an enemy of the pine forest, by J. C. Gloriosio and R. J. Treubig. Baton Rouge, 1963. 16 p., map. (A Science Monograph) 427 G51
- 105380 LOZINSKII, V. A. New method for forecasting the outbreak of white pine moth. (Rus) *Lesn. Khoz.* 2:62. Feb. 1964. 99.8 L5622  
By analysis of hemolymph of *Bupalus piniarius*.
- 105381 LUK'YANCHIKOV, V. P. Use of granulosis virus for control of pine moth. (Rus) *Lesn. Khoz.* 11:49. Nov. 1963. 99.8 L5622  
Biological control of *Dendrolimus pini* using *Bergoldiavirus dendrolimus* Luk.
- 105382 MAMAEVA, KH. P. Spruce cone pest [*Kaltenbachiola strobi*] in forests of the Moscow Region. (Rus) *Lesn. Khoz.* 5:49. May 1964. 99.8 L5622
- 105383 MARIKOVSKII, P. I. Dissemination of *Formica rufa* L. for protection of forests from insect pests. (Rus) In *Akademiya Nauk. SSSR. Lesa i Drevesiny. Zashchita lesov Sibiri ot nasekomykh-vreditel'ei*, p.85-89. 1963. 423 Ak13
- 105384 MORRIS, O. N. Pathogenicity of three commercial preparations of *Bacillus thuringiensis* Berliner for some forest insects. *J. Insect Path.* 5(3):361-367. Ref. Sept. 1963. 421 J826  
Lepidoptera.
- 105385 NEW SOUTH WALES. DEPT. OF AGRICULTURE, ENTOMOLOGY BR. Termites or "white ants" (Isoptera). *Agr. Gaz. N. S. Wales* 75(6): 1121-1122. June 1964. 23 N472  
Chemical control in buildings.
- 105386 NIKLAS, O. F. Integrated pest control, sparing the beneficial insect. (Ge) *Allg. Forstz.* 19 (28):415-416. July 11, 1964. 99.8 AL52  
Forest insect pests.
- 105387 NIU, H. H. A preliminary report on research into the instinct of *Leucoma salicis* and its control. (Ch) *Lin Yeh K'o Hsueh* 8(2/4):270-272. Apr./Oct. 1963. 99.8 L632
- 105388 NIU, H. H., CH'ANG, T. C., and KAO, S. C. A study of *Sciapteron tabaniformis* Rott. of the Hopei area. (Ch) *Lin Yeh K'o Hsueh* 8(2/4): 127-138. Apr./Oct. 1963. 99.8 L632  
Pest of forests; includes chemical control.
- 105389 OBOZOV, A. Control of forest insect pests in virgin territory. (Rus) *Lesn. Khoz.* 5:44-45. May 1964. 99.8 L5622
- 105390 PARASCHIVESCU, D. Seasonal investigation of the nutrition of the ant *Formica nigricans* Em. (Hymenoptera-Formicidae). (Rum) *Bucharest. Acad. Repub. Pop. Romine. Comun.* 13 (12):1069-1077. Ref. Dec. 1963. 512 B8522C  
German summary.  
As pest of *Populus tremula*.
- 105391 PFEIFFER, C. The pine saw-fly [*Diprion pini*], and unexpected pest in the Fontainebleau forest. (Fr) *Phytoma* 16(155):35-36. Feb. 1964. 464.8 P563  
Outbreak in conifers.
- 105392 POPHAM, E. J., and MCGLOWN, D. J. Insecticidal paints and surface coatings. *Internat. Pest Control* 6(5):20, 22, 25. July/Aug. 1964. 79.8 P432
- 105393 POSTNER, M. Spruce gall aphids and their control. 1. *Sacchiphantes viridis* Ratz, *Sacchiphantes abietis* L., *Adelges laricis* Vall., and *Adelges tardus* Dreyf. (Adelgidae, Aphidoidea). (Ge) *Forstwiss. Centbl.* 83(5/6):163-172. Ref. May/June 1964. 99.8 F775  
English summary.  
Chemical, mechanical and silvicultural measures.
- 105394 PRENTICE, R. M. Forest Lepidoptera of Canada recorded by the Forest Insect Survey. Volume 3. *Lasiocampidae*, *Thyatiridae*, *Drepanidae*, and *Geometridae*. Can. Dept. Forest. Publication 1013, 543 p., map. 1963. 99.9 C1268P  
Includes food and host plants.
- 105395 PROZOROV, S. S., KORSHUNOVA, L. M., and ZEMKOVA, R. I. *Orgyia antiqua* L. as pest of Siberian larch. (Rus) In *Akademiya Nauk. SSSR. Lesa i Drevesiny. Zashchita lesov Sibiri ot nasekomykh-vreditel'ei*, p.5-29. Ref. 1963. 423 Ak13  
Includes natural and chemical control.
- 105396 RUDOLPH, V. J., and LEMMIEN, W. A. Shearing Scotch and red pine Christmas trees for control of the European pine shoot moth. *Amer. Christmas Tree Growers' J.* 8(2):5, 25-29. May 1964. 99.9 C46  
*Rhyacionia buoliana*.
- 105397 SANTAMOUR, F. S. Is there genetic resistance to the white pine weevil in *Pinus strobus*? *Noeast. Forest Tree Impr. Conf. Proc.*, 11th Conf.:49-54. 1963, pub. 1964. 99.9 N8123  
*Pissodes strobi*.  
Includes discussion.
- 105398 SCHENK, J. A., and BENJAMIN, D. M. A tentative classification of jack pine susceptible to bark beetle attack in central Wisconsin. *J. Forestry* 62(8):570-574. Ref. Aug. 1964. 99.8 F768  
*Ips pini* and *I. grandicollis*.
- 105399 SEMECHKINA, M. G., and SEMECHKIN, I. V. *Neodiprion sertifer* Geoffr. as pest of cedar and pine forests of northern Ural area. (Rus) In *Akademiya Nauk. SSSR. Lesa i Drevesiny. Zashchita lesov Sibiri ot nasekomykh-vreditel'ei*, p.90-95. 1963. 423 Ak13
- 105400 SPEKTOR, M. R. Alternate aerial dusting of stands as effective method of oak leaf roller moth control. (Rus) *Lesn. Khoz.* 11:45-47. Nov. 1963. 99.8 L5622  
Control of *Tortrix viridana* with DDT and BHC.
- 105401 STROH, R. C. Racial variation of the leader characteristics of *Pinus strobus* L. correlated with feeding by the white pine weevil. *Noeast. Forest Tree Impr. Conf. Proc.*, 11th Conf.:41-48. 1963, pub. 1964. 99.9 N8123  
*Pissodes strobi*.
- 105402 SWINGLE, R. U. Phloem necrosis of elm. U. S. D. A. Misc. P. 939:83-84. Sept. 1963. 1 Ag84M  
Caused by virus *Morsus ulmi* on *Ulmus americana* and *U. alata*; *Scaphoideus luteolus* as vector.
- 105403 TORRENT, J. A. A new weapon to combat the processionary [*Thaumetopoea pityocampa*]. *Montes* 19(114):479-484. Nov./Dec. 1963. 99.8 M763  
Shotguns to destroy the bags of this pine pest.
- 105404 TS'AI, P. H., and others. Experiments on the effect of some insecticides on hibernating larvae of the pine caterpillars—*Dendrolimus punctatus* Walker. (Ch) *Acta Ent. Sinica* 13(3):315-328. Ref. May 1964. 421 K96  
T. C. Hou, C. T. Lo, C. T. Ho, and C. W. Huang, joint authors.  
English summary.  
DDT, BHC and *Dipterex* used.
- 105405 WILKINSON, R. C., and YEARIAN, W. C. Ips bark beetle attacks. *Sunshine State Agr. Res. Rpt. [Fla. Sta.]* 9(3):16-17. July 1964. 100 F66Su
- 105406 YEN, C. C. A short report on research concerning the camphor leaf bee. (Ch) *Lin Yeh K'o Hsueh* 8(2/4):184-186. Apr./Oct. 1963. 99.8 L632  
Attacks *Cinnamomum camphora*; includes control.
- 105407 ZANARDI, D. The protection of the cork oak in Sardinia. (It) *Italia Agr.* 101(5):480-488. May 1964. 16 It1  
Insect control by aircraft.
- 105408 ZEMKOVA, R. I. Study of insect pests of pine forests of Western Sayan Mountains. (Rus) In *Akademiya Nauk. SSSR. Lesa i Drevesiny. Zashchita lesov Sibiri ot nasekomykh-vreditel'ei*, p.183-188. 1963. 423 Ak13



- 105409 ZEMKOVA, R. I. Use of light traps for study of insect pests of mountain areas of Western Sayan. (Rus) In Akademiya Nauk. SSSR. Lesa i Drevesiny. Zashchita lesov Sibiri ot nasekomykh-vreditel'ei, p.189-194. 1963. 423 Ak13  
Forest pests.

#### Apiculture and Apis Mellifera

- 105410 ADAM, BROTHER. In search of the best strains of bee; concluding journeys. Bee World 45(2):70-83; (3):104-118. Summer-Autumn 1964. 424.8 B399  
Mediterranean area.
- 105411 ALTMANN, G. The physiological effect of electric fields on animals. (Ge) Deut. Zool. Gesell. Verhandl. 1962:360-366. Ref. 1963. 410.9 D48  
Apis mellifera, other insects, and guinea pigs.
- 105412 ANDERSON, R. H. The laying worker in the Cape honeybee, Apis mellifera capensis. J. Apic. Res. 2(2):85-92. Ref. 1963. 424.8 J82
- 105413 AUTRUM, H., and ZWEHL, V. VON. The spectral sensitivity of single visual cells of the honey bee eye. (Ge) Z. f. Vergleichende Physiol. 48(4):357-384. Ref. 1964. 444.8 Z3  
English summary.
- 105414 BAILEY, L. The pathogenicity for honey-bee larvae of microorganisms associated with European foulbrood. J. Insect Path. 5(2):198-205. Ref. June 1963. 421 J826  
Streptococcus pluton, S. faecalis and Bacillus alvei.
- 105415 BAILEY, L., GIBBS, A. J., and WOODS, R. D. Sacbrood virus of the larval honeybee (Apis mellifera Linnaeus). Virology 23(3):425-429. July 1964. 448.8 V81
- 105416 BELAKOVA, A. Contribution to the knowledge of the pollinators of winter rape, Brassica napus L. arvensis, under the conditions of southern Slovakia. (Cz) Biologia [Bratislava] 18(11):821-830. Ref. 1963. 442.8 B5265  
German summary.  
Chiefly Apis mellifera and other bees.
- 105417 BORGES, H. Do bees need salt? (No) Biok-teren 80(5):72-73. May 1964. 424.8 B53
- 105418 BOSH, K. To winter or not to winter. Gleanings Bee Cult. 92(8):457-460,508. (Concl.) Aug.1964. 424.8 G47
- 105419 BRCAK, J., SVOBODA, J., and KRALIK, O. Electron microscopic investigation of sacbrood of the honey bee. J. Insect Path. 5(3):385-386. Sept.1963. 421 J826  
Virus research.
- 105420 COURTOIS, G., and LECOMTE, J. Some uses of radioisotopes and radiation in entomology. (Fr) Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.:5-23. Ref. 423.9 In82  
English summary.  
Habits and behavior of Apis mellifera, other social insects, and Locusta migratoria.  
Includes discussion.
- 105421 DAUTERMAN, W. C., and O'BRIEN, R. D. Insecticide selectivity: cholinesterase variation as a factor in organophosphate selectivity in insects. J. Agr. & Food Chem. 12(4):318-319. Ref. July/Aug.1964. 381 J8223  
Tested on honey bees and house flies.
- 105422 DELFINADO, M. D. Mites of the honeybee in South-East Asia. J. Apic. Res. 2(2):113-114. 1963. 424.8 J82  
Varroa jacobsoni and Tripolaelaps clareae.
- 105423 DOERING, H. Biernes by [A bee is born]. Kobenhavn, Host, 1963. 96 p. 424 D67Ad  
Danish translation of A Bee Is Born.
- 105424 DRESCHER, W., and ROTHENBUHLER, W. C. Sex determination in the honey bee. J. Hered. 55(3):91-96. Ref. May/June 1964. 442.8 Am3
- 105425 DUNCAN, C. H. Two men who sweetened the world. Amer. Bee J. 104(8):290-292. Aug. 1964. 424.8 Am3  
Work of L. F. Childers and L. Haseman on control of foulbrood with sulfa drugs.
- 105426 ESCH, H. On the effect of bee forage quality on the sound production in the recruiting dance of the honey bee (Apis mellifica). (Ge) Deut. Zool. Gesell. Verhandl. 1962:302-309. 1963. 410.9 D48
- 105427 FILMER, R. S., and MARUCCI, P. E. The importance of honeybees in blueberry pollination. N. J. Agr. Expt. Sta. Annu. Blueberry Open House. Proc. 31:14-21. 1963. 94.35 N46A
- 105428 FRISCH, K. VON. Bees and flowers. (Ge) Kosmos 59(7):279-283. July 1963. 474 K842  
Apis mellifera; color and fragrance attracts the pollinators.
- 105429 GOETZE, G. K. L. Die Honigbiene in natu-licher und kunstlicher Zuchtauslese [The honey bee in natural and artificial selection], I-II. Monog. z. Angew. Ent. 19/20,212 p.,map. Ref. 1964. 421 Z36M  
I, Systematics, reproduction, and heredity; II, Evaluating and selective breeding of bee colonies.
- 105430 GROMISZ, M. An attempt to find the correlation between the production of the apiary and the ratio of bees and brood. (Pol) Pszczelnicze Zeszyty Nauk. 6(3):93-111. Ref. Dec. 1962. 434.8 P954  
English summary.  
Apis mellifera.
- 105431 GROMISZ, M. Season variation of wing measurements and the cubital index of honey bees (Apis mellifica L.). (Pol) Pszczelnicze Zeszyty Nauk. 6(3):113-120. Dec.1962. 434.8 P954  
English summary.
- 105432 HAYDAK, M. H. Age of nurse bees and brood rearing. J. Apic. Res. 2(2):101-103. 1963. 424.8 J82
- 105433 HAYDAK, M. H. Influence of storage on the nutritive value of pollen for brood rearing by honeybees. J. Apic. Res. 2(2):105-107. Ref. 1963. 424.8 J82
- 105434 HERAN, H. How does an added burden influence the flight speed of the honey bee? (Ge) Deut. Zool. Gesell. Verhandl. 1962:346-354. Ref. 1963. 410.9 D48  
Minute plates weighing 10-50 mg. glued on the foraging bees.
- 105435 HERAN, H. How does the honey bee control her flight? (Ge) Umschau 64(10):299-303. Ref. May 15,1964. 474 Um7  
Vision and use of antennae.
- 105436 HINSDALE, G. Bathroom scale weighs hives. Gleanings Bee Cult. 92(9):564. Sept.1964. 424.8 G47
- 105437 HOAGE, T. R. Larval responses of two genetically different lines of Apis mellifera L. to varying doses of Bacillus larvae white spores. Ames, 1963. 72 p. 424 H65  
Thesis (M.S.)—Iowa State University of Science and Technology.
- 105438 HOAGE, T. R. Selection of lines of the honey-bee, Apis mellifera, resistant to American foulbrood through topical application of Bacillus larvae spores to young larvae. Ames, 1964. 84 p. 424 H65S  
Thesis—Iowa State University of Science and Technology.
- 105439 HOLMES, F. O. Distance to water source. Gleanings Bee Cult. 92(9):541,572. Sept.1964. 424.8 G47
- 105440 INOUE, T., and INOUE, A. The world royal jelly industry: present status and future prospects. Bee World 45(2):59-69. Summer 1964. 424.8 B399
- 105441 ISTOMINA-TSVETKOVA, K. P., SKREBTSOV, M. F., and KRAEVSKAYA, V. A. Best utilization of bees. (Rus) Sadovodstvo 5:31. May 1964. 80 Sa13  
As pollinators of apples; includes yields.
- 105442 JAY, S. C. The development of honeybees in their cells. J. Apic. Res. 2(2):117-134. Ref. 1963. 424.8 J82  
Worker, drone, and queen.
- 105443 JONES, A., SHOWERS, R. E., and MOELLER, F. E. Longevity of honey bees as affected by chemical gases and vapors commonly used in beekeeping. Amer. Bee J. 104(9):334-335. Sept.1964. 424.8 Am3
- 105444 KENNERLY, A. B. They organized for mutual benefits. Gleanings Bee Cult. 92(8):486-489. Aug.1964. 424.8 G47  
Migratory beekeeping by the Frio County Beekeepers' Association, Texas.

- 105445 L'ARRIVEE, J. C. M. The effects of sampling sites on *Nosema* determination. *J. Insect Path.* 5(3):349-355. Ref. Sept.1963. 421 J826  
Foraging *Apis mellifera* taken at colony entrance suitable for *Nosema* apis detection.
- 105446 LECOMTE, J. Problems caused by pollination of cultivated plants. (Fr) *Pepinieristes Hort. Maraichers* 46:1911-1916. Apr.1964. 80 P39  
Bees as pollinators of fruit and vegetables.
- 105447 LEE, D. C. The susceptibility of honey bees of different ages to infestation by *Acarapis woodi* (Rennie). *J. Insect Path.* 5(1):11-15. Mar.1963. 421 J826
- 105448 MCDONALD, J. Breathing in a beehive. *Gleanings Bee Cult.* 92(9):562-563. Sept.1964. 424.8 G47  
Ventilation.
- 105449 MAKAR, S. New concept for pollen trapping. *Wis. Agr. Expt. Sta. B.* 568,7 p. July 1964. 100 W75  
Feed for bees.
- 105450 MATHES, K., and ENGELHARDT, W. Thomisid spider [*Xysticus* sp.] as enemy of the honey bee. (Ge) *Kosmos* 60(2):124. Feb.1964. 474 K842
- 105451 MITCHELL, E. R. Bees in winter. *So. Austral. J. Agr.* 67(10):338-339. May 1964. 23 So84
- 105452 MORRIS, H. J. Bees awareness of coming seasons. *Gleanings Bee Cult.* 92(9):558-559. Sept. 1964. 424.8 G47
- 105453 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Acarine (Isle of Wight) disease of bees. *North. Ireland. Min. Agr. L.* 76,7 p. Mar.1964. 10 N81
- 105454 OROSI-PAL, Z. Amoeba disease in the queen honeybee. *J. Apic. Res.* 2(2):109-111. 1963. 424.8 J82
- 105455 PAPADOPOULOU, P. Protecting supers against wax moth. *Rhodesia Agr. J.* 61(3):40-41. May/June 1964. 23 R34  
*Galleria mellonefla* and *Achroia grisella*.
- 105456 PATERSON, C. R. Uncapping equipment for commercial beekeepers. *New Zeal. J. Agr.* 108(5):488-489,491-492. May 15,1964. 23 N48J  
Honey extraction.
- 105457 PETKOV, V. Determination of nectar and honey productivity of winter rape. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Ovoshtarstvo. Izv.* 5:181-188. 1963. 86 G16  
German summary.  
*Apis mellifera* as foragers.
- 105458 PURDIE, J. D. Bee diseases. *So. Austral. J. Agr.* 67(11):361-363. June 1964. 23 So84  
Chiefly foulbrood in honey bees.
- 105459 ROSENFELD, G., KELEN, E. M. A., and NUNDEL, F. Hemolytic activity of animal venoms. I-II. *Butantan. Inst. Mem.* 30:117-142. Ref. 1960/62, pub.1963. 448.9 B97  
I, Classification in different types and activities; II, Variation in relation to erythrocyte species.  
Includes *Apis mellifera*, spider, and scorpion venom tested on domestic animals.
- 105460 ROSWALL, G. How can we improve Swedish beekeeping? (Da) *Bitidningen* 63(6):202-205. June 1964. 424.8 B54
- 105461 SAVOV, D., YANEV, D., and ARSENOV, L. Application of certain antibiotics in the control of the European foulbrood. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 7:173-180. Ref. 1963. 41.9 So2  
English summary.
- 105462 SIMPSON, J. The source of the saliva honeybees use to moisten materials they chew with their mandibles. *J. Apic. Res.* 2(2):115-116. 1963. 424.8 J82
- 105463 SOLDATOV, V. I. Apiculture on fruit farms. (Rus) *Sadovodstvo* 5:32. May 1964. 80 Sa13  
Includes bees as pollinators.
- 105464 STRICKER, M. H. A bigger honey crop. *Gleanings Bee Cult.* 92(8):494-495. Aug.1964. 424.8 G47  
Plans for wintering bee colonies.
- 105465 SVENDSEN, O. New views on the acarine disease. (Da) *Tidsskr. f. Biavl* 98(7):107-108. July 20,1964. 424.8 T43  
Review including *Acarapis woodi*.
- 105466 SVENSSON, F. Is the law about bees antiquated? (Sw) *Bitidningen* 63(7/8):232. July/Aug. 1964. 424.8 B54
- 105467 TAI, F. C. Control of acarine disease. (Ch) *Nongye Jishu* 5:31. May 1963. 22.5 N929
- 105468 THOMPSON, O. N. South Carolina seasons are early. *Gleanings Bee Cult.* 92(9):533,569. Sept. 1964. 424.8 G47  
Swarming.
- 105469 THYRI, H. Outlook for heather honey flow this year. (No) *Birokteren* 80(6):89-90. June 1964. 424.8 B53  
*Calluna vulgaris*.
- 105470 VILLANUEVA, V. R., and others. Isolation and identification of 3,5,7-trihydroxyflavone (Galanine) from propolis. (Fr) *Inst. Pasteur. Ann.* 106(2):292-302. Ref. Feb.1964. 448.3 An75  
D. Bogdanovsky, M. Barbier, M. Gonnet, and P. Lavie, joint authors.  
English summary.
- 105471 WEAVER, N. A pollen substitute for honeybee colonies. *Gleanings Bee Cult.* 92(9):550-553. Sept.1964. 424.8 G47
- 105472 WEAVER, N., LAW, J. H., and JOHNSTON, N. C. Studies on the lipids of royal jelly. *Biochim. et Biophys. Acta* 84(3):305-315. Ref. June 15,1964. 381 B522
- 105473 WOYKE, J. The origin of abnormal bees. (Pol) *Pszczelnicze Zeszyty Nauk.* 6(2):49-63. Ref. Oct.1962. 424.8 P954  
English summary.  
*Apis mellifera*.
- 105474 WOYKE, J. Rearing and viability of diploid drone larvae. *J. Apic. Res.* 2(2):77-84. Ref. 1963. 424.8 J82
- 105475 WOYKE, J. What happens to diploid drone larvae in a honeybee colony. *J. Apic. Res.* 2(2):73-75. 1963. 424.8 J82  
They are eaten alive by the workers.

#### Sericulture and the Silkworm

- 105476 AIZAWA, K., and KAWARABATA, T. Changes in virus-infectivity titer in the hemolymph and tissues in the course of nuclear polyhedrosis of the silkworm, *Bombyx mori* (Linnaeus). *J. Insect Path.* 5(3):356-360. Sept.1963. 421 J826
- 105477 AIZAWA, K., and IIDA, S. Nucleic acids extracted from the virus polyhedra of the silkworm, *Bombyx mori* (Linnaeus). *J. Insect Path.* 5(3):344-348. Sept.1963. 421 J826
- 105478 ANGUS, T. A. Properties of silkworm digestive juices with respect to paralytic effects. *J. Insect Path.* 6(2):254-257. June 1964. 421 J826  
Effect of *Bacillus thuringiensis*.
- 105479 ARUGA, H., YOSHITAKE, N., and WATANABE, H. Interference between cytoplasmic polyhedrosis viruses in *Bombyx mori* (Linnaeus). *J. Insect Path.* 5(1):1-10. Mar.1963. 421 J826
- 105480 ARUGA, H., YOSHITAKE, N., and WATANABE, H. Some factors controlling the size of the cytoplasmic polyhedron of *Bombyx mori* (Linnaeus). *J. Insect Path.* 5(1):72-77. Mar.1963. 421 J826
- 105481 GIORGI, D. Concatenated rearing of silkworms. (It) *Prog. Agr. [Bologna]* 10(5):489-500. May 1964. 58.8 P94
- 105482 GUBICZA, A. Effect of ecological factors on the various races of *Bombyx mori* L. (Hu) *Tihany. Biol. Kutatointezetnek. Evkon.* 30:15-35. Ref. 1963. 442.9 M27  
German summary.  
Environmental effects.
- 105483 ISHIHARA, R. Effect of infection by *Nosema bombycis* Nageli on the pupal development of the silkworm, *Bombyx mori* (Linnaeus). *J. Insect Path.* 5(2):131-140. Ref. June 1963. 421 J826
- 105484 ISHIKAWA, Y., and MIYAJIMA, S. Spread of the infectious flacherie in rearing tray of silkworm, *Bombyx mori* L. *Jap. J. Appl. Ent. & Zool.* 8(1):86-88. Mar.1964. 475 J27
- 105485 KHOZINSKAYA, A. G. The effect of hemolymph transfusion on the inheritance of characteristics and properties of mulberry silkworm [*Bombyx mori*]. (Rus) *Agrobiologiya* 3:457-459. May/June 1964. 20 Ag822



- 105486 KITAMURA, A., and SATO, U. Studies on the clocking of Fe-ion in the hot water for filature with the organic metal chelating agents (EDTA). (Ja) J. Sericult. Sci. Japan 32(5):292-296. Oct. 1963. 425.9 Se6
- 105487 KRAUSE, G. The behavior of larval tissue and embryonic primordium explants of the silkworm *Bombyx mori* L. in hanging drops. (Ge) Deut. Zool. Gesell. Verhandl. 1962:190-199. 1963. 410.9 D48
- 105488 KRYWIENCZYK, J. Demonstration of nuclear polyhedrosis in *Bombyx mori* (Linnaeus) by fluorescent antibody technique. J. Insect Path. 5(3):309-317. Ref. Sept. 1963. 421 J826
- 105489 LEON, J. DE. Notes on raising of silkworms on castorbean leaves in Israel. (Fr) J. d'Agr. Trop. et de Bot. Appl. 10(12):545-550. Dec. 1963. 26 J822
- 105490 LUKACSOVICS, F., and GUBICZA, A. The effect of gamma rays on "Varo" race of *Bombyx mori* L. (Lepidoptera). I. Study of the diapause of eggs. (Hu) Tihany. Biol. Kutatointezetnek. Evkon. 30:67-72. Ref. 1963. 442.9 M27  
German summary.
- 105491 MIURA, Y., and others. Studies on the protein synthesis in silkglands. J. Biochem. 55(6):623-628. Ref. June 1964. 385 J822  
H. Ito, K. Sunaga, K. Ikeda, Y. Moriyama, and S. Hasegawa, joint authors.  
*Bombyx mori*.
- 105492 OKUI, K. Studies of the aggregative behaviour of the silk-worm, *Bombyx mori* L. II. On the sense organs related to the aggregative behavior. (Ja) Jap. J. Appl. Ent. & Zool. 7(4):321-326. Ref. Dec. 1963. 475 J27  
English summary.
- 105493 OSAJIMA, Y., and others. Preparation of deoxyribonucleic acid from *Bombyx mori* and *Bacillus subtilis*. Enzymologia 27(2):109-112. Ref. June 30, 1964. 390.08 En9  
Y. Uchida, T. Sasaki, H. Omura, and K. Yamafuji, joint authors.
- 105494 POP, E., and PAP, S. Feeding silkworms on congelated [mulberry] leaves during winter. (Rum) Cluj. Inst. Agron. "Dr. Petru Groza." Lucrari Sti. 19:235-240. 1964. 21 C622  
English summary.
- 105495 SMIRNOV, V. N., and others. On the participation of ribosomes in the biosynthesis of silk fibroin. (Rus) Akad. Nauk SSSR. Dok. 156(5):1221-1224. 1964. 511 P444A  
P. Kuliyev, Ya. M. Varshavskii, and A. S. Spirin, joint authors.  
*Bombyx mori*.
- 105496 SUGAI, E. Polysaccharides and phosphatase in spermatogenesis of the silkworm, *Bombyx mori* L. (Ja) Jap. J. Appl. Ent. & Zool. 7(4):353-354. Dec. 1963. 475 J27
- 105497 TSUJITA, M., and others. Genetical and biochemical studies of pteridine metabolism in insects. (Ja) Jap. J. Genet. 38(3):159-174. Ref. Nov. 1963. 442.9 J27  
S. Nawa, B. Sakaguchi, and T. Taira, joint authors.  
English summary.  
*Bombyx mori* and *Drosophila* studied.
- 105498 WU, L., and HU, J. C. The influence of supplementary minor elements on the growth, development and disease resistance of *Antheraea pernyi*. (Ch) Acta Ent. Sinica 13(3):311-314. May 1964. 421 K96  
Russian summary.
- 105499 YOSHITAKE, N. On the esterase types in the mid-gut of the silkworm, *Bombyx mori* L. (Ja) J. Sericult. Sci. Japan 32(5):285-291. Ref. Oct. 1963. 425.9 Se6  
English summary.
- TAXONOMIC, GEOGRAPHIC, AND BIOLOGICAL**
- General**
- 105500 BAKKER, K. Backgrounds of controversies about population theories and their terminologies. Z. f. Angew. Ent. 53(2):187-208. Ref. Jan. 1964. 421 Z36  
Insect ecology.
- 105501 BRTEK, J., and ROTHSCHEIN, J. Ein Beitrag zur Kenntnis der Hydrofauna und des Reinheitszustandes des tschechoslowakischen Abschnittes der Donau [A contribution to the knowledge of the hydrofauna and the state of cleanliness of the Czechoslovakian section of the Danube]. Biol. Prace. 10(5):62 p., map. Ref. 1964. 442.9 SL52  
Includes insects and water mites.
- 105502 CH'EN, C. M., and LIU, C. I. Dynamics of the populations and communities of rice insect pests in the bank of Dung-ting Lake region, Hunan. (Ch) Acta Ent. Sinica 12(5/6):649-657. Ref. Nov. 1963. 421 K96  
English summary.
- 105503 CHIANG, S. H. Study on the biological effects of radiation of insects. I. Biological effects of external X and gamma radiation. (Ch) J. Agr. & Forestry 12:114-141. Ref. Oct. 1963. 22.5 J823  
English summary.
- 105504 CHOU, Y. Some viewpoints about insect taxonomy. (Ch) Acta Ent. Sinica 12(5/6):586-596. Ref. Nov. 1963. 421 K96
- 105505 CHU, H. C. Preliminary research on the influence of internal parasites on the organs of the host. (Ch) Acta Ent. Sinica 13(1):133-137. Jan. 1964. 421 K36
- 105506 CLEVE, K., and STOECKEL, K. Report on collecting results for the year 1962. (Ge) Deut. Ent. Gesell. Mitt. 22(5/6):84-86. Nov. 15, 1963. 420 D482  
Insect records in Germany.
- 105507 CROSSLEY, D. A. Use of radioactive tracers in the study of insect-plant relationships. Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.: 43-54. Ref. 423.9 In82  
Feeding rate, including statistical methods based on *Melanoplus differentialis*, and studies of *Chrysomela knabi* on *Salix nigra* and insect pests of oak.  
Includes discussion.
- 105508 DAJOZ, R. The "puffs" of giant chromosomes reveal the activity of genes released by a hormone. (Fr) Nature [Paris] 92(3350):218-225. June 1964. 473 N21  
Insects.
- 105509 EIDMANN, H. H. The relations between soil and forest pests. (Ge) Anz. f. Schadlingsk. 36(12):185-188. Ref. Dec. 1963. 421 An9  
Effects of fertilizers on insect pests.
- 105510 ERTLOVA, E. Zoobenthos of a dead arm of the Danube. I. River arm Erec. (Cz). Biologia [Bratislava] 18(10):743-755, map. Ref. 1963. 442.8 B5265  
German summary.  
Chiefly aquatic insects.
- 105511 EVANS, F. C. The food of vesper, field and chipping sparrows nesting in an abandoned field in southeastern Michigan. Amer. Midland Nat. 72(1):57-75. Ref. July 1964. 410 M58  
Includes insects.
- 105512 FOX, R. M. Reports on the Margaret M. Cary and Carnegie Museum expedition to Baja California, Mexico, 1961. I. Introduction; itinerary, and localities. Pittsburgh. Carnegie Mus. Ann. 36:181-192, map. Ref. Oct. 11, 1963. 500 P68A  
Object of the expedition to obtain sampling of the insect fauna.
- 105513 GARAMVOLGYI, N., KERNER, J., and CSER-SCHULTZ, M. The cross striation of the insect flight muscle at different sarcomere lengths. Acta Physiol. 24(4):381-390. Ref. 1964. 448.8 Ac84
- 105514 HASSENSTEIN, B. Examples of research in biological cybernetics. (Ge) Umschau 64(8):233-236. Apr. 15, 1964. 474 Um7  
Includes insects.
- 105515 HUBER, F. Localization and plasticity in the central nervous system of animals. (Ge) Deut. Zool. Gesell. Verhandl. 1962:200-267. Ref., p. 258-267. 1963. 410.9 D48  
Includes insects and cats.
- 105516 JACOBSON, M., and BEROZA, M. Insect attractants; having analyzed several natural attractants, chemists can now make synthetic ones in quantity. Sci. Amer. 211(2):20-27. Aug. 1964. 470 Sci25

- 105517 JAWLOWSKI, H. On the origin of corpora pedunculata and the structure of the tuberculum opticum (Insecta). *Acta Anat.* 53(4):346-359. Ref. 1963. 444.8 Ac82
- 105518 JESSEP, C. T. The development, testing, and calibration of a portable atmometer suitable for field use. *New Zeal. J. Agr. Res.* 7(2):205-218. Ref. May 1964. 23 N4892  
For use in entomological research.
- 105519 KUHNELT, W. Austria as work area for zoologists. (Ge) *Deut. Zool. Gesell. Verhandl.* 1962:56-65, map. 1963. 410.9 D48  
Includes entomologists.
- 105520 KUUSIK, A. Mimicry and natural selection. (Es) *Eesti Loodus* 6:337-343. Ref. Nov./Dec. 1963. 409.6 Ee7  
Insects.
- 105521 LAVEN, H. Plasmatic inheritance; a critical survey. (Ge) *Deut. Zool. Gesell. Verhandl.* 1962:65-78. Ref. 1963. 410.9 D48  
Includes insects.  
Includes discussion.
- 105522 LEATHERDALE, D. Current literature. VI. An annotated bibliography. *Marcellia* 31(1):60-76. May 1963. 421 M33  
Gall insects and plant galls.
- 105523 LUDWIG, H. W. O<sub>2</sub>-consumption and RQ of flying insects. (Ge) *Deut. Zool. Gesell. Verhandl.* 1962:355-359. Ref. 1963. 410.9 D48
- 105524 MA, S. C. The structure and dynamics of space, number and time of insect population. (Ch) *Acta Ent. Sinica* 13(1):38-55. Ref. Jan. 1964. 421 K36  
English summary.
- 105525 MANTON, S. M. Mandibular mechanisms and the evolution of arthropods. *Roy. Soc. Philos. Trans. Ser. B, Biol. Sci.* 247(737), 183 p. Ref. June 11, 1964. 501 L84Pb  
Includes insects.
- 105526 MARCUZZI, G. Observations on the biogeography of the soil fauna of Dolomites. *Deut. Zool. Gesell. Verhandl.* 1962:689-705, map. Ref. 1963. 410.9 D48  
Soil insects and arthropods.
- 105527 MASSMANN, W. H. Summer food of juvenile American shad in Virginia waters. *Chesapeake Sci.* 4(4):167-171, map. Ref. Dec. 1963. 409.6 C42  
Both terrestrial and aquatic insects.
- 105528 THE ORIGIN of flight in insects. *Roy. Ent. Soc. London. Proc. Ser. C, J. Mtg.* 28(6):23-32. 1963. 420 L84Pc  
Panel discussion; by V. B. Wigglesworth, H. E. Hinton, C. G. Johnson and D. Leston.
- 105529 PETRENKO, E. S. Biological and ecological peculiarities of insects, pests of seeds of *Larix dahurica* in central Yakutia. (Rus) In *Akademiiya Nauk. SSSR. Lesa i Drevesiny. Zashchita lesov Sibiri ot nasekomykh-vreditel'ei*, p.96-117, map. Ref. 1963. 423 Ak13
- 105530 PRASERTPHON, S. Conidial formation in *Entomophthora coronata* (Costantin) Kevorkian. *J. Insect Path.* 5(3):318-335. Ref. Sept. 1963. 421 J826  
Insect pathogens.
- 105531 RESULTS of the zoological expedition to Nubia 1962. V-XIX. *Nathist. Mus. Wien. Ann.* 66:409-506. Ref. 1962, pub. 1963. 410.9 V672  
Papers in German and English.  
Includes insects.
- 105532 RICHARDS, O. W. The classification of insects. *Span* 7(2):72-75. 1964. 464.8 Sp2
- 105533 RICHENS, R. H. Monophage analysis of elm populations. *World Consultation Forest Genet. Tree Impr. Proc.* 1(3/16), 6 p. 1963. 99.9 W894  
Insects.
- 105534 SALT, G. The defence reactions of insects to metazoan parasites. *Parasitology* 53(3/4):527-642. Ref. Nov. 1963. 448.8 P21  
Physiological responses.
- 105535 SIMON, H. R. On the prey of robber arthropods. (Ge) *Ent. Z.* 73(22):245-251. Nov. 15, 1963. 421 En85  
Includes insects as predators and as prey.
- 105536 SMIRNOFF, W. A. Effect of urea on the formation of parasporal inclusions in species and varieties of *Bacillus cereus* group. *J. Insect Path.* 5(3):389-392. Sept. 1963. 421 J826  
Isolated from insects.
- 105537 SMITH, A. G. An insect paleontologist. *Pacific Discovery* 17(1):15. Jan./Feb. 1964. 500 P112  
Gall insect, *Encelia* sp., collecting fossil snails.
- 105538 STEPHENS, J. M. Bactericidal activity of hemolymph of some normal insects. *J. Insect Path.* 5(1):61-65. Mar. 1963. 421 J826
- 105539 STONE, W. E. Effects of ionizing radiation on insects and other arthropods. *Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc.*, 1963 *Symp.*:301-312. Ref. 423.9 In82  
Review of sterilization.  
Includes discussion.
- 105540 VON BORSTEL, R. C. Effects of radiation on germ cells of insects: dominant lethals, gamete inactivation and gonial-cell killing. *Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc.*, 1963 *Symp.*:367-385. Ref. 423.9 In82  
Review of literature.  
Includes discussion.
- 105541 WATSON, I. D. Some aspects of chiasmata and crossing-over. *Biol. J.* 3(2):55-67. Ref. Autumn 1963. 442.8 B5235  
Applicable to insects and plants.
- 105542 WEIS-FOGH, T. Diffusion in insect wing muscle, the most active tissue known. *J. Expt. Biol.* 41(2):229-256. Ref. June 1964. 442.8 B77
- 105543 WU, F. C., and KAO, C. N. A preliminary report on the fauna of agricultural insects of Ning-sha Autonomous Region, China. (Ch) *Acta Ent. Sinica* 13(4):572-580. Ref. July 1964. 421 K96  
English summary.

#### Arachnida, Myriapoda, etc.

- 105544 ANDRE, M., and SAEZ, H. On the presence of yeast, *Candida tropicalis* (Cast.) Berkhout in *Ixodes ricinus* L. (Fr) *Ann. de Med. Vet.* 108(3):139-145. Ref. May 1964. 41.8 An78
- 105545 ARROYO, H. Preliminary biometric study on the variety of the scorpion *Buthus occitanus* (Amoreux, 1789) from Oran. (Fr) *Inst. Pasteur d'Algerie. Arch.* 41(1/2):72-74. 1963. 448.3 In7A
- 105546 BASU, B. D. Morphology of an Indian spider of the family Thomisidae (Araneae: Arachnida). *Sci. & Cult.* 30(3):154-155. Ref. Mar. 1964. 475 Sci24  
*Oxyptila reenae* sp. nov.
- 105547 BEDI, U. A note on Serra's demasking technique. *Microscope* 13(10):279-280. Nov. 1962/Mar. 1963. 440.8 M584  
Arachnid lipids.
- 105548 BEIER, M. Pseudoscorpions from Anatolia. (Ge) *Nathist. Mus. Wien. Ann.* 66:267-277. 1962, pub. 1963. 410.9 V672  
Includes n. spp. in *Chthonius*, *Microcreagris*, *Lasiochernes*, *Hysterochelifer*, and *Dactylochelifer*.
- 105549 BERESTYNSKA-WILCZEK, M. Investigations of the sensitivity of the spiders *Pirata piraticus* (Clerck) to vibrations of the water surface. *Acta Biol. Cracoviensia. Ser. Zool.* 5(2):263-277. Ref. July/Dec. 1962, pub. 1963. 442.8 Ac87
- 105550 BHATNAGAR, R. D. S., and SADANA, G. L. The functional anatomy of the male and female external genitalia of the wolf-spider *Lycosa chaperi* Simon (Lycosidae: Araneida). *Panjab U. Res. B. (n.s.)* 14(3/4):207-214. Dec. 1963. 513 Ea72
- 105551 BRINTON, E. P., and BECK, D. E. Hard-bodied ticks of the Western United States. *Brigham Young U. Sci. B. Biol. Ser.* 2(3, pt. 2/3), 21 p. Ref. Aug. 1963. 500 B76
- 105552 BROWNING, E., and HYATT, K. H. Scorpiones, Uropygi, Araneae, Opiliones and scolopendromorph Chilopoda from Rennell Island. *Nat. Hist. Rennell Island. Brit. Solomon Islands* 2: 71-81. Ref. 1959. 409 N216



- 105553 BUCHERL, W. Scorpions and scorpionism in Brazil. XI. Revision of the Bothriuridae in the scorpion collection of the Rio de Janeiro, Museu Nacional. (Por) Butantan. Inst. Mem. 30:187-205. 1960/62, pub. 1963. 448.9 B97  
English summary.  
Includes *Bothriurus candidoi* n. sp.
- 105554 BUCHERL, W., and others. Scorpions and scorpionism in Brazil. XII. Systematic and critical revision of scorpions of the genus *Bothriurus* Peters 1861. (Por) Butantan. Inst. Mem. 30:207-225, map. Ref. 1960/62, pub. 1963. 448.9 B97  
P. R. San Martin, M. F. da Cunha, F. A. Matthies, S. Zimber, and I. Bucherl, joint authors.  
German summary.  
Divided into three subgenera: *Bothriurus* s.str., *Andibothriurus* n. sgen., and *Transbothriurus*.
- 105555 BUCHERL, W. Spiders of the genus *Loxosceles* and *loxoscelism* in South America. I. Introduction, bibliographical comments, characterization of the subfamily *Loxoscelinae*, of the genus *Loxosceles*, and enumeration of the species in South America. (Por) Butantan. Inst. Mem. 30:167-186. Ref. 1960/62, pub. 1963. 448.9 B97  
German and Spanish summaries.
- 105556 BURNETT, T. An acarine predator-prey population infesting stored products. *Canad. J. Zool.* 42(4):655-673. Ref. July 1964. 470 C16D  
Tyrophagus putrescentiae and its predator Blattisocius dentriticus.
- 105557 CHICKERING, A. M. A description of *Dinopis longipes* F. P.—Cambridge, 1902 (Araneae, Dinopidae). *Breviora* 192, 6 p. Dec. 5, 1963. 410 B75
- 105558 ELLER, R., and STRANDTMANN, R. W. Notes on Teneriffiidae (Acarina: Prostigmata). *Southwest. Natur.* 8(1):23-31. May 10, 1963. 409.6 So8  
Texas.
- 105559 FAIN, A., and EVANS, G. O. On three mites of the genus *Epidermoptes* Rivolta (Acari.). *Ann. & Mag. Nat. Hist.* (ser. 13) 6(70):595-608. Ref. Oct. 1963. 410 An77  
Includes n. spp. in *Epidermoptes*.
- 105560 FRONTALL, N., and GRASSO, A. Separation of three toxicologically different protein components from the venom of the spider *Latrodectus tredecimguttatus*. *Arch. Biochem. & Biophys.* 106(1/3):213-218. Ref. July 20, 1964. 381 Ar2
- 105561 GRUBER, J. Results of the zoological expeditions of Dr. O. Paget and Dr. E. Kritscher on Rhodes. VII. Scorpiones and Opiliones. (Ge) *Nathist. Mus. Wien. Ann.* 66:307-316. 1962, pub. 1963. 410.9 V672  
Includes n. spp. in *Trogulocratus* and *Opilio* (Opiliones).
- 105562 HARTENSTEIN, R. Glycolysis in *Oniscus asellus*. *Enzymologia* 27(2):113-128. Ref. June 30, 1964. 390.08 En9
- 105563 HICKMAN, V. V. On *Atrax infensus* sp. n. (Araneida: Dipluridae) its habits and a method of trapping the males. *Roy. Soc. Tasmania. Papers & Proc.* 98:107-112. Ref. 1964. 514 H65
- 105564 HICKS, E. A., and BROWN, R. T. Acarine fauna of bird nests. *Iowa Acad. Sci. Proc.* 70:504-510. Ref. 1963. 500 Io93
- 105565 HSIN, K. L., and CH'EN, C. P. Studies on the life-history of *Aleuroglyphus ovatus* Troupeau (Acarina, Acaridae). (Ch) *Acta Ent. Sinica* 13(3):428-435. Ref. May 1964. 421 K96  
English summary.
- 105566 HSU, P. K., LI, C. S., and CHEN, H. T. The effect of irradiation with gamma-ray of Co60 on the development and reproductive power of *Trombicula akamushi* var. *deliensis*. (Ch) *Acta Ent. Sinica* 12(5/6):578-585. Nov. 1963. 421 K96  
English summary.
- 105567 HSU, P. K., LIU, T. C., and CHEN, H. T. Studies on the egg-laying habits of *Trombicula akamushi* var. *deliensis*. (Ch) *Acta Ent. Sinica* 13(1):56-66. Ref. Jan. 1964. 421 K96  
English summary.
- 105568 IOFFE, I. D. Nerve system structure of *Dermacentor pictus* Herm. (Chelicerata, Acarina). (Rus) *Zool. Zhur.* 42(10):1472-1484. Ref. 1963. 410 R92  
German summary.
- 105569 ITO, Y. Descriptions of eight tarsonemid mites from Japan. (Ja) *Jap. J. Appl. Ent. & Zool.* 8(1):34-44. Mar. 1964. 475 J27  
English summary.  
Includes n. spp. in *Tarsonemus*.
- 105570 KAHN, J. Cytotaxonomy of ticks. *Q. J. Microsc. Sci.* 105(1):123-137. Ref. Mar. 1964. 440.8 Q2
- 105571 KLINGEL, H. Sex behavior in *Pedipalpida* (*Telyphonus caudatus* L., *Holopeltidia*, *Uropygi* and *Sarax sarawakensis* Simon, *Charontinae*, *Amblypygi*). (Ge) *Deut. Zool. Gesell. Verhandl.* 1962:452-459. 1963. 410.9 D48
- 105572 LEVI, H. W. The spider genus *Thymoites* in America (Araneae: Theridiidae). *Harvard U. Mus. Compar. Zool. B.* 130(7):445-471. Feb. 5, 1964. 500 H26B  
Includes n. spp.
- 105573 MCKEOWN, K. C., and ROBERTS, N. L. Australian spiders. *Rev. Sydney Angus & Robertson*, 1963. 287 p. (Sirius Books) 434 M19
- 105574 MANIER, J. F. Trichomycetes, parasites of isopods Oniscoidea. (Fr) *Ann. des Sci. Nat. Bot. et Biol. Veg.* (ser. 12) 4(3):557-577. Ref. July/Sept. 1963. 450 An75
- 105575 MAURIES, J. P. On two *Diplopoda* of the Hautes-Pyrenees region. (Fr) *Toulouse. Soc. d'Hist. Nat. B.* 98(1/2):226-227. First/Second Q. 1963. 505 T64  
Includes n. sp. in *Cranogona*.
- 105576 MENG, Y. C. Research into the life history of *Haemolaelaps casalis* (Parasitiformes, Gamasoidea). (Ch) *Acta Ent. Sinica* 13(3):436-443. Ref. May 1964. 421 K96  
Russian summary.
- 105577 MIHELICIC, F. A new *Echiniscus* species (*Tardigrada*) from the Karst (*Echiniscus* (E.) *inocellatus* n. sp.). (Ge) *Zool. Anz.* 172(3):240-242. Mar. 1964. 410 Z7  
Trieste, Italy.
- 105578 MIHELICIC, F. Revision and description of some *Zercon* species from Spain (Acar. *Zerconidae*). (Ge) *Eos* 39(3/4):437-444. Dec. 31, 1963. 421 Eo7
- 105579 MIHELICIC, F. Three new mites (Acarina) from central Spain. (Ge) *Eos* 39(1/2):285-293. June 30, 1963. 421 Eo7  
New species in *Zercon*, *Gymnodamaeus*, and *Schelorbates*.
- 105580 MILLER, L. W. A new species of *Tuckerella* (Acarina, Tetranychoidae, Tuckerellidae) from Tasmania. *Roy. Soc. Tasmania. Papers & Proc.* 98:79-84. 1964. 514 H65
- 105581 MITCHELL, R. A study of sympatry in the water mite genus *Arrenurus* (family *Arrenuridae*). *Ecology* 45(3):546-558. Ref. Summer 1964. 410 Ec7
- 105582 MO, C. F. A new species of the genus *Echinonyssus* Hirst, 1925, (Acarina: Macronyssidae). (Ch) *Acta Ent. Sinica* 13(3):444-448. May 1964. 421 K96  
English summary.
- 105583 MURAKAMI, Y. Postembryonic development of the common *Myriapoda* of Japan. ZVI. Two new species of subfamily *Pyrgodesminae* (*Diplopoda*: *Cryptodesmidae*). (Ja) *Zool. Soc. Japan. Zool. Mag.* 73(3):94-97. Mar. 1964. 410.9 T57  
English summary.  
New spp. in *Ampelodesmus*.
- 105584 NAGAR, S. K. A revised key for the Delhi genus *Hyalomma* Koch (Acarina: Ixodidae). *Ann. Zool.* 4(4):39-46. Ref. Jan. 1, 1964. 410 An78
- 105585 PUGLIA, C. R. Some tardigrades from Illinois. *Amer. Microsc. Soc. Trans.* 83(3):300-311, map. Ref. July 1964. 440.9 Am33
- 105586 RIGGIN, G. T. Tardigrades from the southern Appalachian Mountains. *Amer. Microsc. Soc. Trans.* 83(3):277-282. Ref. July 1964. 440.9 Am33

- 105587 SAREEN, M. L. Cytochemical studies on the female germ cells of *Melanopa unicolor* (Opiliones: Phalangidae). Panjab U. Res. B. (n.s.) 14(3/4):273-288. Ref. Dec.1963. 513 Ea72
- 105588 SERAFIMOVSKI, A., and THALENHORST, W. Biological and ecological observations on the spruce spider mite *Paratetranychus (Oligonychus) ununquius* (Jacobi). (Ge) Anz. f. Schadlingsk. 36(3):37-42. Mar.1963. 421 An9  
English summary.  
Germany.
- 105589 SIMON, H. R. On protective behavior of *Lithobius forficatus* L. (Myriapoda, Chilopoda). (Ge) Ent. Z. 74(10):114-118. May 15, 1964. 421 En85
- 105590 STROUHAL, H. The Haplophthalmus species of Turkey (Isop. terr.); 4th contribution to the knowledge of Turkish isopods. (Ge) Nathist. Mus. Wien. Ann. 66:385-406. 1962, pub. 1963. 410.9 V672
- 105591 TENG, K. F., and PAN, T. W. Notes on the genus *Hirstionyssus* Fonseca in China with descriptions of two new species (Acarina: Macroonyssidae). (Ch) Acta Ent. Sinica 12(5/6):670-678. Ref. Nov.1963. 421 K96  
English summary.
- 105592 TIKADER, B. K. A new species of spider of the genus *Oxyptila* (family Thomisidae) from India. Sci. & Cult. 30(3):152-153. Mar.1964. 475 Sci24  
*Oxyptila gertschi* sp. nov.
- 105593 TILL, W. M., and EVANS, G. O. The genus *Steatonyssus* Kolenati (Acar: Mesostigmata). Brit. Mus. (Nat. Hist.) B. Zool. 2(8):511-582. Ref. 1964. 410.9 B772B  
Includes n. spp. in *Steatonyssus* and n. subgen. *Steatonyssus* (*Steatonyssella*).
- 105594 TILL, W. M. A revision of the genus *Pellonyssus* Clark and Yunker (Acar: Mesostigmata). Linn. Soc. London. J. Zool. 45(304):82-102. Apr.1964. 410.9 L64  
Includes n. spp.
- 105595 VACHON, M. On the usefulness in systematics of a nomenclature of chelicera teeth in scorpions. (Fr) Paris. Mus. Natl. d'Hist. Nat. B. (ser.2)35(2):161-166. 1963. 410.9 P213
- 105596 VENKATANARASIMHAIAH, C. V., and RAJASEKARSETTY, M. R. Contributions to the cytology of Indian scorpions; chromosomal behaviour in the male meiosis of *Palamnaeus gravimanus*. Caryologia 17(1):195-201. Ref. Jan./Apr.1964. 442.8 C25
- 105597 VUKASOVIC, P. The consanguinity of arthropods. (Se) Zastita Bilja 75:485-490. 1963. 464.8 Z1  
French summary.  
Rearing of *Pediculoides ventricoccus*.
- 105598 WANG, T. C. Five new species and one new record of chiggers (Acarina: Trombiculidae) from China. (Ch) Acta Ent. Sinica 13(1):88-100. Ref. Jan.1964. 421 K36  
English summary.  
New spp. in *Gahriiopia* and *Tragardhula*.
- 105599 WEN, T. W. The sensory organ on the palptrochanter in gamasoid mites (Parasitiformes). (Ch) Acta Ent. Sinica 13(2):193-200. Ref. Mar.1964. 421 K96  
English summary.  
*Eulaelaps shanghaensis* studied.
- 105600 WEYGOLDT, P. Development and function of the embryonic sheath in pseudoscorpions. (Ge) Deut. Zool. Gesell. Verhandl. 1962:447-452. Ref. 1963. 410.9 D48
- Coleoptera**
- 105601 ABDULLAH, M. The natural classification and new species of *Pedilus* Fischer (Coleoptera, Anthicidae, Pedilinae). Deut. Ent. Z. (n.s.) 11 (1/2):145-174. Ref. May 1, 1964. 421 D48
- 105602 ALCAIDE, A. P. Studies on the Meloidae. XIV. Three new species of *Mylabris* Fabricius (Coleoptera). (Fr) Eos 39(1/2):295-306. June 30, 1963. 421 Eo7
- 105603 ARNST, J. Neue Carabiden aus Japan [New Carabidae from Japan]. Niponius 1(14), 6 p. Jan. 19, 1962. 421 N62  
Includes n. spp. in *Bembidion*, *Pterostichus*, *Colpodes*, and *Brachynus*.
- 105604 ARNST, J. Zweiter Beitrag zur Kenntniss der Carabiden aus Japan [Second contribution to the knowledge of the Carabidae from Japan]. Niponius 1(15), 7 p. Mar. 3, 1962. 421 N62  
Includes n. spp. in *Craspedophorus*, *Agonoma*, *mara* n. g., *Pterostichus*, *Agonum*, and *Colpodes*.
- 105605 BALFOUR-BROWNE, J. Coleoptera (pars). Nat. Hist. Rennell Island. Brit. Solomon Islands 2:127-133. 1959. 409 N216  
Text in English.  
Pacific area.
- 105606 BASSI, K. K. Record of *Epilachna vigintioctopunctata* Fab. in Simla hills. Indian Potato J. 5 (2):105-106. Oct.1963. 75.8 In2  
First record on potatoes.
- 105607 BECCARI, F. A scolytid new to Italy on corn specimens; preliminary note. (It) Riv. di Agr. Subtrop. e Trop. 57(10/12):399-401. Oct./Dec. 1963. 26 Ag82  
English summary.  
*Pagiocerus frontalis*.
- 105608 BERNARD, J. Helminthological notes. V. (Fr) Inst. Pasteur de Tunis. Arch. 40(1):65-74. Mar.1963. 448.3 In72  
Partial contents: 18, *Apropos Gongylonema brevispiculum* Seurat and its larva.  
Found in the tenebrionids *Blaps gigas* and *Scaurus* sp.
- 105609 BIRUKOW, G. Diurnal and lunar rhythm in the activity and orientation of the grain weevil *Calandra granaria* L. (Ge) Deut. Zool. Gesell. Verhandl. 1962:268-275. 1963. 410.9 D48
- 105610 BOECKH, J. Electrophysiological study of the olfactory sensilla of beetles. (Ge) Deut. Zool. Gesell. Verhandl. 1962:297-301. 1963. 410.9 D48  
Antennae of *Necrophorus vespillio* studied.
- 105611 BREUNING, S. VON. Revision systematique des especes du genre *Oberea* Mulsant du globe (Coleoptera Cerambycidae). 1. [Systematic revision of the species of the genus *Oberea* Mulsant of the world (Coleoptera Cerambycidae). 1.]. Frustula Ent. 3(4):59 p. Ref. 1960. 421 F94
- 105612 BRITTON, E. B. New Carabidae (Coleoptera) from New Zealand caves. Ann. & Mag. Nat. Hist. (ser.13)6(70):625-634. Oct.1963. 410 An77  
Includes n. spp. in *Erebotrechus* n. g., *Duvaliomimus*, *Syllectus*, and *Pholeodytes*.
- 105613 BUCK, F. D. Cistelidae and Tenebrionidae (Coleoptera) from Rennell Island. Nat. Hist. Rennell Island. Brit. Solomon Islands 2:115-119. 1959. 409 N216  
Includes n. spp. in *Nocar*, *Platolenes*, and *Chariotheca*.
- 105614 BURKE, H. R. Coleoptera associated with three species of *Solanum* in Texas. Southwest. Natur. 8(1):53-56. May 10, 1963. 409.6 So8
- 105615 CARVALHO, E. L. DE. *Paussus lusotropicalis* n. sp., um novo paussideo do subgenero *Marshallipausus* Kolbe (Col. Carab. Pauss.). 11. contribuicao para o estudo monografico dos paussideos [*Paussus lusotropicalis* n. sp., a new Paussidae of the subgenus *Marshallipausus* Kolbe (Col. Carab. Pauss.); 11th contribution to a monographic study of the Paussidae]. Nov. Taxa Ent. 33, 7 p. Dec.1963. 421 N853
- 105616 CH'EN, S. H. Evolution and classification of the chrysomelid beetles. (Ch) Acta Ent. Sinica 13(4):469-483. Ref. July 1964. 421 K96  
English summary.
- 105617 CH'EN, S. H. New genera and species of Galerucinae from China. (Ch) Acta Ent. Sinica 13(2):201-211. Mar.1964. 42. K96  
English summary.  
New spp. in *Cneorane*, *Yunomela* n. g., *Shensia* n. g., *Aplosomyx*, *Agetocera*, and *Pyrrethalia*.
- 105618 CH'EN, S. H., and TAN, C. C. New species of *Dactylispa* from China (Coleoptera, Hispidinae). (Ch) Acta Ent. Sinica 13(3):414-427. May 1964. 421 K96  
English summary.
- 105619 CHO, P. S. A review of the genus *Carabus* (Carabidae) of Korea. Korea, Hak'sulwon. Nonmunjip Cha'yon Kwa'hak P'yon 4:80-88. Sept.1963. 513 K84N



- 105620 COBOS, A. Four new Buprestidae from the Middle East (Coleoptera). (Sp) Eos 39(3/4): 357-365. Dec.31,1963. 421 Eo7  
Includes n. spp. in *Acmaeoderella* and *Clema*.
- 105621 COBOS, A. Studies on the Throscidae. I. (Col. Sternoxia). (Sp) Eos 39(1/2):135-176. June 30, 1963. 421 Eo7  
Includes n. spp. in *Drapetes*, *Lissomus*, *Throscus*, and *Aulonothroscus*.
- 105622 CODINA PADILLA, F. New forms of Spanish and North African Luperus (Col. Chrysomelidae). (Sp) Eos 39(3/4):367-378. Dec.31,1963. 421 Eo7  
Includes n. spp.
- 105623 COIFFAIT, H. New Octavius (Col. Staphylinidae). 3. (Fr) Toulouse. Soc. d'Hist. Nat. B. 98(1/2):175-188. First/Second Q.1963. 505 T64  
Includes n. spp.
- 105624 DANON, M. The number of generations of the bean weevil, *Acanthoscelides obtectus* in Croatia. (Se) Zastita Bilja 75:557-562. 1963. 464.8 Z1  
German summary.  
Effect of temperature, humidity, and nutrition.
- 105625 ESPANOL, F. Data for the understanding of Tenebrionidae of the western Mediterranean (Coleoptera). (Sp) Eos 39(3/4):379-388. Dec.31,1963. 421 Eo7  
Includes n. sp. in *Arthrodeis*.
- 105626 ESPANOL, F. Data toward the knowledge of Tenebrionidae from the western Mediterranean (Coleoptera). (Sp) Eos 39(1/2):185-209. June 30,1963. 421 Eo7
- 105627 ESPANOL, F. Iberian Zophosis (Col. Tenebrionidae). (Sp) Eos 39(1/2):211-219. Ref. June 30,1963. 421 Eo7
- 105628 ESPANOL, F. More data on the Helopinae of Morocco (Col. Tenebrionidae). (Sp) Eos 39(3/4):389-396. Ref. Dec.31,1963. 421 Eo7  
Includes n. sp. in *Stenohelops*.
- 105629 FARREIRA, M. C. Contribuicao para o conhecimento dos escarabideos africanos [Contribution to the knowledge of African Scarabaeidae]. Nov. Taxa Ent. 30,39 p. Aug.1963. 421 N853  
Includes new species in *Catharsius*.
- 105630 FENDER, K. M. The Chauliognathini of America north of Mexico (Coleoptera-Cantharidae). I. Nowest. Sci. 38(2):52-64. May 1964. 470 N81  
Includes n. sp. in *Chauliognathus*.
- 105631 FENDER, K. M. The Chauliognathini of America north of Mexico (Coleoptera-Cantharidae). Nowest. Sci. 38(3):95-106. Ref. Aug.1964. 470 N81  
Includes n. spp.
- 105632 FRANZ, H. Biogeographic problems in the area of the eastern Alps. (Ge) Deut. Zool. Gesell. Verhandl. 1962:655-663. Ref. 1963. 410.9 D48  
Includes insects, chiefly Coleoptera.
- 105633 FRANZ, H. The highly specialized terricolous Coleoptera of the Iberian Peninsula as indicators of natural woodlands. (Ge) Eos 39(1/2):221-256, map. Ref. June 30,1963. 421 Eo7  
Geographical distribution of species in relation to ecology.
- 105634 GUPTA, A. K. D., and KUMAR, R. Morphology and histology of the female reproductive organs of some beetles (Coleoptera). Indian J. Ent. 25(2):147-160. Ref. June 1963. 420 In23
- 105635 HICKMAN, J. L. The biology of *Hymenolepis microstoma* (Dujardin). Roy. Soc. Tasmania. Papers & Proc. 98:73-77. Ref. 1964. 514 H65  
Parasite of *Cestrinus punctatissimus*, Tenebrionidae.
- 105636 HOFFMANN, A. Contribution to the knowledge of Near East fauna (Mission G. Remaudiere, 1961). I. Coleoptera-Curculionidae. (Fr) Rev. de Path. Veg. et d'Ent. Agr. de France 42(2): 77-98. 1963. 464.9 Sol  
English summary.  
Includes n. spp. in *Amblyrrhinus*, *Larinus*, *Paroxyonyx*, and *Neobradymbatus* n. g.
- 105637 HOFFMANN, A. New or critical Curculionidae from the Spanish fauna (Coleoptera). (Fr) Eos 39(3/4):397-403. Dec.31,1963. 421 Eo7  
Includes n. sp. in *Orthochaetes*.
- 105638 HURPIN, B., and VAGO, C. A disease characterized by fusiform cytoplasmic inclusions in *Melolontha melolontha* L. (Coleoptera). (Fr) Rev. de Path. Veg. et d'Ent. Agr. de France 42(2):115-117. 1963. 464.9 Sol  
German summary.  
In larvae; probably a virus disease.
- 105639 JERATH, M. L., and UNNY, K. L. Description of the larva of *Heteroligus meles* Blihb. (Coleoptera: Scarabaeidae). Panjab U. Res. B. (n.s.) 14(3/4):263-271. Dec.1963. 513 Ea72
- 105640 KAPUR, A. P. Some new or little known species of Coccinellidae (Insecta: Coleoptera). 1. Four new species of *Epilachninae* from India and Burma. Indian Mus. Rec. 59(1/2):131-141. Mar./June 1961. 410.9 In2R  
Includes n. spp. in *Epilachna* and *Afissa*.
- 105641 KASZAB, Z. Results of the zoological expedition to Nubia 1962. X. Coleoptera-Tenebrionidae. (Ge) Nathist. Mus. Wien. Ann. 66:453-456. 1962, pub. 1963. 410.9 V672
- 105642 KIRCHNER, H. Diurnal periods of activity in the Carabidae. (Ge) Z. f. Vergleichende Physiol. 48(4):385-399. Ref. 1964. 444.8 Z3
- 105643 KOJIMA, K., WATANABE, H., and KUNIYOSHI, S. Notes on *Abyrna coenosa* Newman in Ryukyu Islands. (Ja) Jap. J. Appl. Ent & Zool. 8(1):76-78. Mar.1964. 475 J27
- 105644 KRZYSZTOFOWICZ, A. Histochemical investigations on the embryonic development of *Melasoma populi* L. (Chrysomelidae, Coleoptera). III. The distribution of lecithin and PAS-positive substances. Acta Biol. Cracoviensia. Ser. Zool. 5(2):199-205. Ref. July/Dec.1962, pub.1963. 442.8 Ac87
- 105645 KUDLA, M. On the biology and variability of the long-horned beetles, *Xylotrechus pantherinus* (Col., Cerambycidae). (Ge) Ent. Z. 74(4): 33-36. Feb.15,1964. 421 En85
- 105646 KURASHVILI, B. E., KAKULIYA, G. A., and CHANISHVILI, SH. SH. Study of alimentary relationship between nematodes, located under elytrum of European spruce beetle [*Dendroctonus micans*], and their host. (Geo) Akad. Nauk Gruzinskoi SSR. Soobshcheniya 33(3):671-678. Ref. Mar.1964. 511 Ak146  
Russian summary.
- 105647 KYLE, W. H. Genetic research on directed evolution. Agr. Sci. Rev. 2(1):21-23. Winter 1964. A31.3 Ag893  
Includes *Tribolium castaneum*.
- 105648 LAVIOLETTE, P., and NARDON, P. Effects of irradiation on the adults of *Sitophilus sasakii* Takahashi (Curculionidae) and their off-spring. (Fr) Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.:431-441. Ref. 423.9 In82  
English summary.  
Includes discussion.
- 105649 LINSLEY, E. G. The Cerambycidae of North America. V. Taxonomy and classification of the subfamily Cerambycinae, tribes Callichromini through Ancylocerini. Calif. U. P. Ent. 22,197 p., map. 1964. 500 C125E  
Includes *Osmopleura* n. g.
- 105650 LIU, C. L. Distribution of *Leis axyridis* Pallas var. *axyridis* Pallas in China. (Ch) Acta Ent. Sinica 13(2):295-296, map. Mar.1964. 421 K96
- 105651 LIU, C. L. On some remarkable attributes of *Leis axyridis* from Laosan, Shantung (Coleoptera: Coccinellidae). (Ch) Acta Ent. Sinica 12(5/6):711-712. Nov.1963. 421 K96
- 105652 MAJCHROWICZ, I. Fungi associated with dying out of some insects in soils. (Pol) (Extr.) Poznan. Inst. Ochrony Roslin. B. 24:229-230. 1963. 464.9 P87  
*Leptinotarsa decemlineata*, *Melolontha melolontha* and *Oryctes nasicornis*.
- 105653 MANDL, K. Results of the zoological expedition to Nubia 1962. VII. Coleoptera-Carabidae. (Ge) Nathist. Mus. Wien. Ann. 66:419-423. 1962, pub. 1963. 410.9 V672

- 105654 MARSCHALL, K. J. The histology of normal and diseased reserve tissues in rhinoceros beetles (*Oryctes* spp.). *J. Insect Path.* 5(1):39-55. Mar.1963. 421 J826
- 105655 MONTE, G. D. Method of "freeing" weevil eggs. (It) *Molini d'Italia* 15(5):173-175. May 1964. 298.8 M73  
English summary.  
Obtaining eggs of *Sitophilus granarius* and *S. oryzae* for experimental purposes.
- 105656 MORRISON, E. O. Effect of habitat disturbance on a rice weevil population (*Sitophilus zeamais* Mots.). *Tex. J. Sci.* 16(1):96-100. Mar.1964. 470 T31  
In grain.
- 105657 MORRISON, E. O. Taxonomy of the rice weevils, *Sitophilus oryzae* (L.) and *S. zeamais* Motschulsky and an annotated bibliography relevant to the ecology of the species. *Tex. J. Sci.* 16(2):243-253. Ref. June 1964. 470 T31
- 105658 NAIR, K. K., and SUBRAMANYAM, G. Effects of variable dose-rates on radiation damage in the rust-red flour beetle, *Tribolium castaneum* Herbst. *Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc.*, 1963 *Symp.*:425-429. 423.9 In82  
Effect on fertility.
- 105659 OKOLOW, C. Contributions to the fauna of bark beetle (Scolytidae) feeding habits in Bo-recka Forest. (Pol) *Polskie Pismo Ent. Ser. B*, 1/2:15-20. 1963. 421 P762  
English summary.
- 105660 PANT, N. C., and GABRANI, K. Nutritive role of several carbohydrates in the larval growth and development of *Tribolium castaneum* Hbst. *Indian J. Ent.* 25(2):172-174. June 1963. 420 In23
- 105661 PANT, N. C., and GABRANI, K. Qualitative vitamin B requirements of *Tribolium castaneum* Herbst. *Indian J. Ent.* 25(2):110-115. Ref. June 1963. 420 In23
- 105662 PERJU, T. Contributions to the biological and ecological study of the Colorado beetle (*Leptinotarsa decemlineata* Say), under the conditions of the Cluj Region. (Rum) *Cluj. Inst. Agron.* "Dr. Petru Groza." *Lucrari Sti.* 19:207-218. Ref. 1964. 21 C622  
English summary.
- 105663 PERTTUNEN, V., and LAHERMAA, M. The light reactions of the larvae and adults of *Tenebrio molitor* L. (Col., Tenebrionidae) and their interference with the humidity reactions. *Suomen Hyonteistieteellinen Aikakausk.* 29(2):83-106. Ref. 1963. 421 Su7
- 105664 PETROVITZ, R. Results of the zoological expedition to Nubia 1962. IX. Coleoptera—Lamellicornia. (Ge) *Nathist. Mus. Wien. Ann.* 66:451-452. 1962, pub. 1962. 410.9 V672
- 105665 PONOMARCHUK, V. I. Vertical distribution of carabids (Coleoptera, Carabidae) in Transcarpathian Region. (Rus) *Zool. Zhur.* 42(10):1485-1493. Ref. 1963. 410 R92  
English summary.
- 105666 PROTA, R. Morpho-ethological note on *Triodonta raymondi* Perr. (Coleoptera, Scarabaeidae) injurious to vines in the Island of Sant'Antioco (Sardinia). (It) *Studi Sassaresi. Sez. III*, 10:201-252. Ref. 1962, pub. 1963. 507 Sa7Sa  
English summary.  
In vineyards.
- 105667 PU, C. L. The genus *Anacaena* Thomson of China (Coleoptera, Hydrophilidae). (Ch) *Acta Ent. Sinica* 13(3):396-400. May 1964. 421 K96  
English summary.  
Includes new species.
- 105668 ROMPP, H. The yellow edge [*Dytiscus*] as chemist. (Ge) *Kosmos* 59(10):\*344,\*346. Oct. 1963. 474 K842  
Secretes chemicals which protect it from bacteria in its habitat.
- 105669 ROZEN, J. G. Two pupae of the primitive sub-order Archostemata (Coleoptera). *Ent. Soc. Wash. Proc.* 65(4):307-310. Dec.1963. 420 W27  
Micromalthus debilis and Cupes concolor.
- 105670 SATIJA, R. C., and DASS, B. Histological studies on the brain of *Onthophagus catta* (F.) (Coleoptera). *Panjab U. Res. B. (n.s.)* 14(3/4):231-241. Ref. Dec.1963. 513 Ea72
- 105671 SATIJA, R. C., and DASS, B. The status of the corpora pedunculata of *Onthophagus catta* (F.) in order Coleoptera. *Panjab U. Res. B. (n.s.)* 14(3/4):243-244. Dec.1963. 513 Ea72
- 105672 SCHEERPELTZ, O. Results of the zoological expedition to Nubia 1962. VIII. Coleoptera—Staphylinidae; 118th contribution to the knowledge of the Palearctic Staphylinidae. (Ge) *Nathist. Mus. Wien. Ann.* 66:425-450. 1962, pub. 1963. 410.9 V672  
Includes n. spp. in *Stenus*, *Scopaeus*, *Erichsonius*, *Tachyusa*, and *Atheta*.
- 105673 SCHNEIDER, F. Systematic variations in the electric, magnetic, and geographic-ultraoptic orientation of the cockchafer [*Melolontha vulgaris*]. (Ge) *Zurich. Natforsch. Gesell. Vrtl-jahrsschr.* 108(4):373-416. Ref. Dec.1963. 508 Z8  
English summary.
- 105674 SELIGER, H. H., and others. Flash patterns in Jamaican fireflies. *Biol. B.* 127(1):159-172. Ref. Aug.1964. 442.8 B52  
J. B. Buck, W. G. Fastie, and W. D. McElroy, joint authors.  
Chiefly *Photinus* spp.
- 105675 SELMAN, B. J. A reappraisal of the status of the genus *Eubruchis* (Eumolpidae, Coleoptera), together with a key to the related genera. *Ann. & Mag. Nat. Hist. (ser.13)* 6(70):637-639. Oct.1963. 410 An77  
*Eubruchis* a synonym of *Pseudocolaspis*; includes discussion of *Macrocoma* and *Tanybria* nom. nov.
- 105676 SLATER, J. V., and others. Heavy ion localization of sensitive embryonic sites in *Tribolium* [confusum]. *Radiation Res.* 21(4):541-549. Ref. Apr.1964. 334.8 R11  
J. Lyman, C. A. Tobias, N. M. Amer, J. S. Beck, M. Beck, and A. J. Slater, joint authors.
- 105677 SOKOLOFF, A. Linkage studies in *Latheticus oryzae* Waterh. II. Linkage of "brown body" and "creased abdominal sternites" with pearl. *Canad. J. Genet. & Cytol.* 6(3):271-276. Ref. Sept.1964. 443.8 C16  
Mutation.
- 105678 SOKOLOFF, A. Linkage studies in *Tribolium confusum* Duval. I. Preliminary linkage studies with autosomal genes. *Canad. J. Genet. & Cytol.* 6(3):259-270. Ref. Sept.1964. 443.8 C16  
Mutations.
- 105679 STEINHAUS, E. A., and LEUTENEGGER, R. Icosahedral virus from a scarab (*Sericothrips pruinosa*). *J. Insect Path.* 5(2):266-270. June 1963. 421 J826  
Transmitted in laboratory to *Galleria mellonella* and *Tenebrio molitor*.
- 105680 STOCKMANN, S. *Amara convexior* Steph. *Notulae Ent.* 43(3):120. 1963. 421 N84  
Text in Swedish.  
Found in Viborg, Denmark.
- 105681 STOCKMANN, S. Contribution to the knowledge of the Coleoptera fauna of Eastern Scandinavia. VI. Some new species for Eastern Scandinavia. (Ge) *Notulae Ent.* 43(3):110-113. 1963. 421 N84
- 105682 STRASSEN, R. ZUR. *Actobius cinerascens robustus* (=Erichsonius, a synonym of *A. subopacus*) (Col., Staphylinidae). (Ge) *Ent. Z.* 74(9):101-102. May 1, 1964. 421 En85
- 105683 SZALAY-MARZSO, L. Knowledge of the basket-willow pest *Lepyrus palustris* Scop. (Col. Curculionidae). (Ge) *Anz. f. Schadlingsk.* 36(12):189-193. Dec.1963. 421 An9  
English summary.  
Biology in Hungary.
- 105684 THOMAS, H. A. Field and laboratory studies of *Chilocorus cacti* L. (Coleoptera: Coccinellidae), a diaspine-scale predator on citrus. *Rio Grande Val. Hort. Soc. J.* 18:36-43. Ref. 1964. 81 L95
- 105685 THOMAS, R. T. S. Some aspects of life history, genetics, distribution, and taxonomy of *Aspidomorpha adhaerens* (Weber, 1801) (Cassidinae, Coleoptera). *Tijdschr. v. Ent.* 107(4):167-234. Ref. 1964. 421 T21  
In Hollandia, formerly Netherlands New Guinea.



- 105686 TS'AI, P. H., and LI, C. L. Research on the Chinese bark-beetles of the genus *Cryphalus* Er. with descriptions of new species. (Ch) *Acta. Ent. Sinica* 12(5/6):597-630. Nov.1963. 421 K96  
English summary.  
New spp. in *Cryphalus*, *Cryphalus* (*Jugocryphalus*) n. sgen., and *C. (Acryphalus)* n. sgen.
- 105687 VAGO, C. A new type of insect virus. *J. Insect Path.* 5(2):275-276. June 1963. 421 J826  
In *Melolontha melolontha*.
- 105688 VIADO, G. B., and MANOTO, E. C. Effects of gamma radiation on three species of Philippine insect pests. *Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc.*, 1963 *Symp.*:443-453. Ref. 423.9 In82  
*Epilachna philippinensis* on tomato, and *Sitophilus oryzae* and *Tribolium castaneum* in stored corn.
- 105689 VIEDMA, M. G. DE. Contribution to the knowledge of the larvae of European lignivorous *Curculionidae* (Coleoptera). (Sp) *Eos* 39(1/2):257-277. Ref. June 30,1963. 421 Eo7  
Taxonomy.
- 105690 WREDE, H. On the appearance of *Cantharis* and *Rhagonycha* species in south Finnish pasture soil (Coleoptera, *Cantharidae*). (Ge) *Notulae Ent.* 43(3):77-91. 1963. 421 N84  
Food and host plants.
- Diptera**
- 105691 ABREU, M. M. M. DE A., and RIBEIRO, H. First contribution to the knowledge of the *Simuliidae* of Portugal (Diptera: *Simuliidae*). (Por) *Inst. de Med. Trop. An.* 18(3/4):233-237, map. Ref. Dec.1961. 448.9 L68  
English summary.
- 105692 ABREU, M. M. M. DE A. *Simuliidae* of Angola (Diptera: *Simuliidae*); result of a brief enquiry carried out at the administrative post of the Valley of Queve. (Por) *Inst. de Med. Trop. An.* 18(3/4):239-244, map. Dec.1961. 448.9 L68  
English summary.
- 105693 AGARWAL, H. C., and others. Formate oxidation by *Phormia regina* larvae. *Compar. Biochem. & Physiol.* 8(2):153-161. Ref. Feb.1963. 444.8 C73  
V. J. Brookes, V. H. Cheldelin, and R. W. Newburgh, joint authors.
- 105694 AGARWAL, H. C., and HOUX, N. W. H. gamma-Butyrobetaine derivative in phospholipids of *Phormia [regina]*. *Biochim. et Biophys. Acta* 84(3):353-356. June 15,1964. 381 B522
- 105695 ANDERS, F., ANDERS, A., and KLINKE, K. Genetic and modificational influencing of the level of the amino acid pool and some quantitative, morphological phenes with special reference to tumor formation; investigations on the toothed carp and *Drosophila [melanogaster]*. (Ge) *Deut. Zool. Gesell. Verhandl.* 1962:97-118. Ref. 1963. 410.9 D48
- 105696 ANOSOV, G. G. Biology of *Phorbia securis* Tiensuu, a wheat pest. (Rus) *Agrobiologiya* 2: 303-305. Mar./Apr.1964. 20 Ag822
- 105697 ASHLOCK, P. E., and O'BRIEN, C. W. *Catharosia lustrans*, a tachinid parasite of some drymine *Lygaeidae* (Diptera and Hemiptera-Heteroptera). *Pan-Pacific Ent.* 40(2):98-100. Apr. 1964. 421 P193  
On *Thylochromus nitidulus* and *Eremocoris opacus*.
- 105698 BACCETTI, B., and DOMINICIS, R. DE. The effects of gamma radiation on the ovaries of *Dacus oleae* Gmel. *Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc.*, 1963 *Symp.*:387-412. Ref. 423.9 In82  
Cytology.  
Includes discussion.
- 105699 BIER, K. Autoradiographic investigations on function of the egg follicles and the nurse cells during yolk formation and protein synthesis in the fly ovary. (Ge) *Wilhelm Roux' Arch. f. Entwicklmech. der Org.* 154(6):552-575. Ref. 1963. 442.8 Z33D  
English summary.  
*Calliphora erythrocephala* and *Musca domestica*.
- 105700 BOYES, J. W. Somatic chromosomes of higher Diptera. VIII. Karyotypes of species of *Oestridae*, *Hypodermatidae*, and *Cuterebridae*. *Canad. J. Zool.* 42(4):599-604. Ref. July 1964. 470 C16D
- 105701 BRINDLE, A. Taxonomic notes on the larvae of British Diptera. 18. The *Hemerodrominae* (*Empididae*). *Entomologist* 97(1214):162-165. July 1964. 421 En8
- 105702 BURKHARDT, D. The resolution capacity of the insect eye: investigations of single visual cells. (Ge) *Umschau* 64(10):312-313. May 15, 1964. 474 Um7  
Includes *Calliphora erythrocephala*.
- 105703 CARSON, H. L., and HEED, W. B. Structural homozygosity in marginal populations of *Nearctic* and *Neotropical* species of *Drosophila* in Florida. *Natl. Acad. Sci. Proc.* 52(2):427-430. Ref. Aug.1964. 500 N21P
- 105704 CEPELAK, J. Ash sawfly *Tomostethus nigratus* F. as host of a new parasitic fly *Hyalurgus tomostethi*, n. sp. (Diptera, *Larvaevoridae*). (Ge) *Biologia [Bratislava]* 18(10):756-759. 1963. 442.8 B5265
- 105705 CH'AO, C. M. *Tachinidae* of China. V. *Exorista* Meigen. (Ch) *Acta Ent. Sinica* 13(3):362-375. May 1964. 421 K96  
German summary.  
Includes new species.
- 105706 CLASTRIER, J. Notes on the *Ceratopogonidae*. XVIII. Species of the genus *Stilobezzia* Kieffer or related ones from the Palearctic Region. (Fr) *Inst. Pasteur d'Algerie. Arch.* 41(1/2):41-68. Ref. 1963. 448.3 In7A  
New spp. in *Stilobezzia*, *Monohalea*, and *Serromyia*.
- 105707 CLEVER, U. Gene activity in the giant chromosomes of *Chironomus tentans* and their relationships to development. IV. The behavior of puffs in larval molting. (Ge) *Chromosoma* 14(6):651-675. Ref. 1963. 442.8 C46  
English summary.
- 105708 CORTES P., R. Types of *Tachinidae* (Diptera) of Chile in some foreign museums. (Sp) *Santiago Chile. Univ. Catolica. Rev. Univ.* 47(52): 241-252. 1962, pub.1963. 516 Sa56  
English summary.
- 105709 DIETZ, R. Findings with the polarizing microscope on chromosome induced spindle formation in the tipulid *Pales crocata* (Nematocera). (Ge) *Deut. Zool. Gesell. Verhandl.* 1962:131-138. Ref. 1963. 410.9 D48
- 105710 FAN, T. T. Two new flies of the genus *Pegomya* R.-D., attacking bamboo shoot in East China (Diptera, *Anthomyiidae*). (Ch) *Acta. Ent. Sinica* 13(4):614-618. July 1964. 421 K96  
English summary.
- 105711 FREDEEN, F. J. H. Bacteria as food for blackfly larvae (Diptera: *Simuliidae*) in laboratory cultures and in natural streams. *Canad. J. Zool.* 42(4):527-548. Ref. July 1964. 470 C16D
- 105712 GAUDECKER, B. V., and SCHLOTE, F. W. On form change in structures in the fat body of *Drosophila melanogaster* synthesizing glycogen, fats, and protein. (Ge) *Deut. Zool. Gesell. Verhandl.* 1962:366-375. Ref. 1963. 410.9 D48
- 105713 GENETICAL SOCIETY OF GREAT BRITAIN. Abstracts of papers read at the hundred and forty-second meeting of the Society held on 12th July 1963, at the Chester Beatty Research Institute, Fulham Road, London, S. W. 3. *Heredity* 18(4):551-555. Nov.1963. 443.8 H42  
Includes *Drosophila* and yeasts.
- 105714 GIBSON, J. B., and THODAY, J. M. Effects of disruptive selection. VIII. Imposed quasi-random mating. *Heredity* 18(4):513-524. Ref. Nov.1963. 443.8 H42  
*Drosophila melanogaster* genetics.
- 105715 GIEHSLER, H. Discovery of *Platymyia capillata* Rond. in Thuringia. (Ge) *Deut. Ent. Z. (n.s.)* 11(1/2):13. May 1,1964. 421 D48  
Tachinid.
- 105716 GILBY, A. R. A membrane preparation from insect flight muscle sarcosomes. *Austral. J. Biol. Sci.* 17(2):482-488. Ref. May 1964. 442.8 Au72  
*Lucilia cuprina*.



- 105717 GOODMAN, L. J. The landing responses of insects. II. The electrical response of the compound eye of the fly, *Lucilia sericata*, upon stimulation by moving objects and slow changes of light intensity. *J. Expt. Biol.* 41(2):403-415. Ref. June 1964. 442.8 B77
- 105718 GRELL, R. F. Distributive pairing: the size-dependent mechanism for regular segregation of the fourth chromosomes in *Drosophila melanogaster*. *Natl. Acad. Sci. Proc.* 52(2):226-232. Aug. 1964. 500 N21P
- 105719 GRUHL, K. Are the dances of females of *Empis* and *Rhamphomyia* (Diptera) linked with certain special characteristics? (Ge) *Deut. Ent. Gesell. Mitt.* 22(5/6):88-96. Ref. Nov. 15, 1963. 420 D482
- 105720 GRUHL, K. Flight and dance of *Pararhamphomyia anfractuosa* Bezzi (Empididae, Diptera). (Ge) *Deut. Ent. Gesell. Mitt.* 23(1):10-15. Feb. 29, 1964. 420 D482
- 105721 HAGEN, K. S., SANTAS, L., and TSECOURAS, A. A technique of culturing the olive fly, *Dacus oleae* Gmel., on synthetic media under xenic conditions. *Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc.*, 1963 Symp.:333-356. Ref. 423.9 In82 Includes discussion.
- 105722 HESS, O. The "scute-8" mutation of *Drosophila melanogaster* as a lethal factor, whose penetrance depends upon heterochromatin. (Ge) *Deut. Zool. Gesell. Verhandl.* 1962:87-92. 1963. 410.9 D48
- 105723 HIRAO, J. Further observations on the ecotype formation in the rice stem maggot [*Chlorops oryzae*]. *Jap. J. Appl. Ent. & Zool.* 7(4):338-342. Dec. 1963. 475 J27
- 105724 HIRVENOJA, M. *Tanytarsus aptus* n. sp. (Dipt., Chironomidae). *Suomen Hyonteistieteellinen Aikakausk.* 29(1):50-52. 1963. 421 Su7 Text in German.
- 105725 HOLLIS, D. On the Diptera of Nepal (Stratiomyidae, Therevidae and Dolichopodidae). *Brit. Mus. (Nat. Hist.) B. Ent.* 81-116. Ref. 1964. 420 B773 Includes n. spp. in *Thereva*, *Hercostomus*, *Tachytrechus*, *Syntormon*, *Diaphorus*, *Chrysotus*, *Argyra*, *Sympycnus*, *Chrysotimus*, and *Nepalomyia* n. g.
- 105726 HSIA, P. Y. The action of royal jelly on the reproduction of the house fly, *Musca domestica* vicina Mac. (Ch) *Acta Ent. Sinica* 13(2):292-294. Mar. 1964. 421 K96
- 105727 HSIEH, Y. C. Notes on Chinese trypetid flies. II. (Ch) *Acta Ent. Sinica* 12(5/6):631-648. Nov. 1963. 421 K96 English summary. New spp. in *Ortalotrypeta*, *Hexamela* n. g., *Rioxa*, *Rioxoptilona*, *Diarrhegma*, *Themara*, *Acanthoneura*, and *Yunacantha* n. g.
- 105728 HSIUNG, K. H., WANG, C., and KUANG, L. J. Two species of sandflies of subgenus *Paraphlebotomus* found in North-west China. (Ch) *Acta Ent. Sinica* 13(1):141-144. Jan. 1964. 421 K96 *Phlebotomus alexandri* and *Phlebotomus caucasicus*.
- 105729 JOHNSON, F. M., and SAKAI, R. K. A leucine aminopeptidase polymorphism in *Drosophila busckii*. *Nature [London]* 203(4943):373-374. July 25, 1964. 472 N21
- 105730 KOIDSUMI, K., and SHIBATA, K. Possible distribution and establishment of two species of tropical fruit flies, melon fly [*Dacus cucurbitae*] and oriental fruit fly [*Dacus dorsalis*], in Japan and its adjacent temperate countries. I. (Ja) *Jap. J. Appl. Ent. & Zool.* 8(1):11-20. Ref. Mar. 1964. 475 J27 English summary.
- 105731 LENG, Y. C. Some new records of *Phlebotomus* from Hainan Island with descriptions of a new species—*Phlebotomus fanglianensis* sp. nov. (Ch) *Acta Ent. Sinica* 13(1):118-128. Ref. Jan. 1964. 421 K96 English summary.
- 105732 LINDBERG, B. Taxonomy, biology and biometry of *Tanytarsus curticornis* Kieff. and *T. brundini* n. sp. (Dipt., Chironomidae). *Suomen Hyonteistieteellinen Aikakausk.* 29(2):118-130. Ref. 1963. 421 Su7
- 105733 LOI, G. Morfologia dell'ipopigio (e dell'addome) del maschio di *Pales maculata* Meig. (Dipt., Tipulidae) [Morphology of the hypopygium (and of the abdomen) of the male of *Pales maculata* Meig. (Dipt., Tipulidae)]. *Frustula Ent.* 5(2):15. p. Ref. 1962. 421 F94
- 105734 MAA, T. C. Genera and species of Hippoboscidae (Diptera): types, synonymy, habitats and natural groupings. *Pacific Insects Monog.* 6, 186 p. Dec. 15, 1963. 421 P11 Suppl.
- 105735 MAMELI, M. Dichotomic key of Dixinae in the south of France. (Fr) *Toulouse. Soc. d'Hist. Nat. B.* 98(1/2):189-191. First/Second Q. 1963. 505 T64
- 105736 MATSUDAIRA, Y., and others. On the fractional- and whole-body mutations induced by soft X-rays in *Drosophila*. *Jap. J. Genet.* 38(4):288-289. Ref. Jan. 1964. 442.9 J27 T. Ito, T. Yamasaki, S. Ishizaka, and M. Domon, joint authors.
- 105737 MILLER, D. D., and WEEKS, L. *Drosophila* collections near the Blue Ridge of southwestern North Carolina. *Amer. Midland Nat.* 72(1):93-114, map. Ref. July 1964. 410 M58
- 105738 MILLER, D. D., and ROY, R. Further data on Y chromosome types in *Drosophila athabasca*. *Canad. J. Genet. & Cytol.* 6(3):334-348, map. Ref. Sept. 1964. 443.8 C16
- 105739 MILLER, R. S. Interspecies competition in laboratory populations of *Drosophila melanogaster* and *Drosophila simulans*. *Amer. Nat.* 98(901):221-238. Ref. July/Aug. 1964. 470 Am36
- 105740 MINAMORI, S., and SAITO, Y. Local and seasonal variations of lethal frequencies in natural populations of *Drosophila melanogaster*. *Jap. J. Genet.* 38(4):290-304. Ref. Jan. 1964. 442.9 J27
- 105741 MISSONNIER, J., and BOULLE, N. Remarks on the biology of the carrot rust fly [*Psila rosae*]. (Fr) *Phytoma* 16(156):31-33. Mar. 1964. 464.8 P563
- 105742 MITCHELL, H. K., and LUNAN, K. D. Tyrosine-O-phosphate in *Drosophila*. *Arch. Biochem. & Biophys.* 106(1/3):219-222. July 20, 1964. 381 Ar2
- 105743 MOHN, E. Gall midges (Diptera, Itonididae) from El Salvador. 6. (Ge) *Deut. Ent. Z. (n.s.)* 11(1/2):47-143. May 1, 1964. 421 D48 Includes n. spp. in Neolasiptera.
- 105744 MUKAI, T., and YOSHIKAWA, I. Heterozygous effects of radiation-induced mutations on viability in homozygous and heterozygous genetic backgrounds in *Drosophila melanogaster* (preliminary report). *Jap. J. Genet.* 38(4):282-287. Jan. 1964. 442.9 J27
- 105745 NAYAR, J. L., and TANDON, S. K. A note on the genitalia of *Sphracephala hearseyana* Westw. (Diptera: Diptera). *Agra U. J. Res. Sci.* 12(3):1-4. Ref. Sept. 1963. 513 Ag8
- 105746 NAYAR, J. L. A note on the incidence and flower colour preference in *Syrphus balteatus* (De Geer), (Syrphidae: Diptera). *Agra U. J. Res. Sci.* 12(3):79-83. Sept. 1963. 513 Ag8
- 105747 NEUMANN, D. On the regulation of the lunar swarming periodicity in the midge *Clunio marinus*. (Ge) *Deut. Zool. Gesell. Verhandl.* 1962:275-285. Ref. 1963. 410.9 D48
- 105748 NIGON, V., and GILLOT, S. The incorporation of thymidine in the course of the oogenesis and development of the embryo in *Drosophila*. (Fr) *Expt. Cell Res.* 33(1/2):29-38. Ref. Jan. 1964. 442.8 Ex7
- 105749 NOWAKOWSKI, J. T. Studies on leaf miners (Dipt. Agromyzidae). 9. Revision of the *Agromyza reptans* Fall.-*A. rufipes* Meig. groups. (Ge) *Deut. Ent. Z. (n.s.)* 11(1/2):175-213. Ref. May 1, 1964. 421 D48 Includes n. spp. in *Agromyza*.
- 105750 NUORTEVA, P. Synanthropy of blowflies (Dipt., Calliphoridae) in Finland. *Suomen Hyonteistieteellinen Aikakausk.* 29(1):1-49, map. Ref. 1963. 421 Su7 Surveys.



- 105751 ORPHANIDIS, P. S., SOULTANOPOULOS, C. D., and KARANDEINOS, M. G. Preliminary study with P32 on the dispersion of adults of the olive fly (*Dacus oleae* Gmel.). (Fr) Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests Proc., 1963 Symp.:101-104, map. 423.9 In82  
English summary.  
Includes discussion.
- 105752 PARAMONOV, S. J. Notes on Australian Diptera. XXXVII. A new tachinid genus closely related to *Microtropesa* Macq. — *Paratropeza*, gen. nov. Ann. & Mag. Nat. Hist. (ser.13)6(70): 577-585. Oct.1963. 410 An77  
Includes n. spp. in *Paratropeza* n. g.
- 105753 PELEKASSIS, C. E. D., MOURIKOS, P. A., and BANTZIOS, D. N. Preliminary studies of the field movement of the olive fruit fly (*Dacus oleae* Gmel.) by labelling a natural population with radioactive phosphorus (P32). Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.:105-114, map. Ref. 423.9 In82  
In Greece.  
Includes discussion.
- 105754 PERKOWSKA, E. Some characteristics of the salivary gland secretion of *Drosophila virilis*. Expt. Cell Res. 32(2):259-271. Ref. Nov.1963. 442.8 Ex7
- 105755 PURDOM, C. E., and MCSHEEHY, T. W. Dose-rate and the induction of mutation in *Drosophila*. Internatl. J. Radiation Biol. 7(3):265-275. Ref. Sept.1963. 444.8 In8  
*Drosophila melanogaster* treated with gamma rays.
- 105756 PURDOM, C. E., and BRIDGES, B. A. Effect of sulfhydryl reagents on the frequency of X-ray-induced autosomal recessive lethal mutations in *Drosophila melanogaster*. Nature [London] 203 (4943):419. Ref. July 25, 1964. 472 N21
- 105757 RAO, S. R., HIREGAUDAR, L. S., and ALWAR, V. S. On a new species of Lipoptena-L. indicum (Diptera-Pupipara-Hippoboscidae) from a barking deer (*Muntiacus muntjac* Zimm). Indian Vet. J. 41(4):267-271. Apr.1964. 41.8 In2
- 105758 REDDI, O. S. The genetical response of radiation spermatozoa to different types of radiation treatment. Internatl. J. Radiation Biol. 7 (3):301-305. Ref. Sept.1963. 444.8 In8  
*Drosophila* exposed to X-rays.
- 105759 RICHARDS, O. W. New species of Diptera Sphaeroceridae from the Pacific region, with notes on some other species. Ann. & Mag. Nat. Hist. (ser.13)6(70):609-619. Oct.1963. 410 An77  
Includes n. spp. in *Leptocera* and *Copromyza*.
- 105760 RICO, G. *Tipula* in the west of France. (Fr) Phytoma 15(150):7-14. July/Aug.1963. 464.8 P563
- 105761 RIEBARTSCH, K. Inactive tagging of insects with dysprosium. (Ge) Nachrbl. des Deut. Pflanzenschutzdienstes 15(10):154-157. Oct. 1963. 442.9 B832  
Tests with *Ceratitis capitata*.
- 105762 RITOSSA, F. M., and VON BORSTEL, R. C. Chromosome puffs in *Drosophila* induced by ribonuclease. Science 145(3631):513-514. July 31, 1964. 470 Sci2
- 105763 ROBBINS, W. E. Studies on the utilization, metabolism and function of sterols in the housefly, *Musca domestica*. Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.:269-280. Ref. 423.9 In82  
Nutrition studies with radioactive tracer techniques.  
Includes discussion.
- 105764 SCHMIDT, G. A species of *Goniopsita* from the egg mass of *Mantis religiosa* L. (Diptera, Chloropidae). (Ge) Deut. Ent. Gesell. Mitt. 22(5/6):87. Nov.15, 1963. 420 D482
- 105765 SCRIBA, M. On the processes leading to lethality after elimination of a haploid chromosome set or an X-chromosome in *Drosophila melanogaster*. (Ge) Deut. Zool. Gesell. Verhandl. 1962:92-96. 1963. 410.9 D48
- 105766 SEKERIS, C. E. Tyrosine metabolism in the blowfly, *Calliphora erythrocephala*. Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.:281-287. Ref. 423.9 In82
- 105767 SHAFIQ, S. A. An electron microscopical study of the innervation and sarcoplasmic reticulum of the fibrillar flight muscle of *Drosophila melanogaster*. Q. J. Micros. Sci. 105(1): 1-6. Ref. Mar.1964. 440.8 Q2
- 105768 SMITH, J. N., and TURBERT, H. B. Comparative detoxication. 11. Conjugations of 1-naphthol and some other phenols in houseflies and locusts. Biochem. J. 92(1):127-131. Ref. July 1964. 382 B52
- 105769 SORIA, F. Radioisotope investigation of *Ceratitis capitata* Wied. (Dipt. Tryptetidae) population and distribution in Tunisia. (Fr) Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.:357-363. 423.9 In82  
English summary.  
In an orange grove.  
Includes discussion.
- 105770 SPENCER, K. A. Notes on the African *Agromyza* (Diptera). 5. Deut. Ent. Z. (n.s.)11 (1/2):15-41. Ref. May 1, 1964. 421 D48  
Includes n. spp. in *Agromyza*, *Melanagromyza*, *Phytomyza* and *Ptochomyza*.
- 105771 STRICKBERGER, M. W. Comparative fitness of experimental populations of *Drosophila pseudoobscura*. Heredity 18(4):385-395. Ref. Nov.1963. 443.8 H42  
Chromosome study.
- 105772 SUZUKI, K. Chemical physiology of the compound eye. II. Demonstration of adrenalin from the eye. Hokkaido U. Facul. Sci. J. Ser. VI. Zool. 15(2):293-299. Dec.1963. 410.9 H68  
*Musca stabulans* studied.
- 105773 THOMOU, H. Sterilization of *Dacus oleae* by gamma radiation. Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.:413-424. 423.9 In82
- 105774 TOKUMITSU, T. Effects of irradiation on the pupae and their offspring of *Drosophila virilis*. Hokkaido U. Facul. Sci. J. Ser. VI. Zool. 15(2): 272-275. Dec.1963. 210.9 H68
- 105775 ULRICH, H. Generation alternation and sex determination in gall midge [*Heteropeza pygmaea*] with viviparous larvae. (Ge) Deut. Zool. Gesell. Verhandl. 1962:139-152. Ref. 1963. 410.9 D48
- 105776 VENTURI, F. Notulae dipterologicae. XXII. La struttura dell'ovipositore di *Tephromyia* B. B. (Sarcophagidae) [Notulae dipterologicae. XXII. The structure of the ovipositor of *Tephromyia* B.B. (Sarcophagidae)]. Frustula Ent. 4(1):11 p. 1961. 421 F94  
English summary.
- 105777 VENTURI, F. Notulae dipterologicae. XXIII. Le *Blaesoxypha batilligera* Seg. e *beaumonti* sp. nov. (Sarcophagidae) [Notulae dipterologicae. XXIII. *Blaesoxypha batilligera* Seg. and *beaumonti* sp. nov. (Sarcophagidae)]. Frustula Ent. 5(1):8 p. 1962. 421 K94  
English summary.
- 105778 VENTURI, F. Saggio per un catalogo dei Ditteri Italiani [Essay on a catalog of Italian Diptera]. II. Frustula Ent. 3(1), 9 p. Ref. 1960. 421 F94
- 105779 VENTURI, F., and PARRINI, S. Saggio per un catalogo dei Ditteri Italiani. III. Dolichopodidae [Essay on a catalog of Italian Diptera. III. Dolichopodidae]. Frustula Ent. 3(3), 77 p. Ref. 1960. 421 F94
- 105780 VOLCHKOV, YU. A., and ALEKSANDROV, YU. N. Dependence of occurrence of frequency of phenocopies on X-ray dose. (Rus) Leningrad. U. Vest. Ser. Biol. 4:95-105. Ref. 1963. 442.9 L542V  
English summary.  
In relation to mutation in *Drosophila*.
- 105781 WANG, C., HSIUNG, K. H., and LIU, P. T. A bionomic study of *Phlebotomus mongolensis* in the desert area of Kansu Province, Northwest China. (Ch) Acta Ent. Sinica 12(5/6):679-687. Nov.1963. 421 K96  
English summary.



- 105782 WASHIZU, Y., BURKHARDT, D., and STRECK, P. Visual field of single retinula cells and interommatidial inclination in the compound eye of the blowfly *Calliphora erythrocephala*. *Z. f. Vergleichende Physiol.* 48(4):413-428. Ref. 1964. 444.8 Z3
- 105783 WEINMANN, H. P. Investigations with labelled amino acids of the protein metabolism of normal and lethal genotypes of *Drosophila melanogaster*. (Ge) *Z. f. Vergleichende Physiol.* 48(4):429-461. Ref. 1964. 444.8 Z3  
English summary.
- 105784 WOLSTENHOLME, D. R., and THODAY, J. M. Effects of disruptive selection. VII. A third chromosome polymorphism. *Heredity* 18(4):413-431. Nov. 1963. 443.8 H42  
*Drosophila melanogaster*.
- 105785 YAO, W. P. A new species of *Culicoides* Latreille (Diptera: Heleidae) *Culicoides mongolensis* sp. nov. (Ch) *Acta Ent. Sinica* 13(2):287-291. Ref. Mar. 1964. 421 K96  
English summary.
- 105786 ZHUZHNIKOV, D. P. Function of intestine of house fly prior to the onset of feeding. (Rus) *Nauch. Dok. Vysshei Shkoly. Biol. Nauki* 2:23-27. 1963. 442.8 N22
- Culicidae**
- 105787 AKOV, S., and GUGGENHEIM, K. Antimetabolites in the nutrition of *Aedes aegypti* L. larvae: pyridoxine antagonists. *Compar. Biochem. & Physiol.* 9(1):61-68. Ref. May 1963. 444.8 C73
- 105788 BARR, A. R. Notes on the colonization and biology of *Armigeres subalbatus* (Diptera, Culicidae). *Ann. Trop. Med. & Parasitol.* 58(2):171-179. Ref. June 1964. 448.9 L75A
- 105789 BRELAND, O. P., and GASSNER, G. Preliminary observations on the structure of the sperm tail in mosquitoes. *Tex. J. Sci.* 16(2):254-256. June 1964. 470 T31  
*Culiseta inornata*.
- 105790 CLARK, T. B., and others. The transmission of *Crithidia fasciculata* Leger 1902 in *Culiseta incidens* (Thomson). *J. Protozool.* 11(3):400-402. Aug. 1964. 439.8 J82  
W. R. Kellen, J. E. Lindegren, and T. A. Smith, joint authors.
- 105791 DANIELOVA, V. A simple method for determining the host affinity of various mosquito species. (Ge) *Angew. Parasitol.* 4(3):133-135. Sept. 1963. 436.8 An4  
English summary.  
Includes equipment.
- 105792 FAURAN, P. Catalogue annoté des culicides signales en Guyane française [Annotated catalog of the mosquitoes reported in French Guiana]. *Inst. Pasteur de la Guyane Franc. P.* 22(465):60 p. Feb. 1961. 448.9 In77
- 105793 FENG, L. P. Morphologic study of the adults of the different types of the *Anopheles sinensis* group. (Ch) *Acta Ent. Sinica* 13(4):581-586. Ref. July 1964. 421 K96  
English summary.
- 105794 FERNANDO, C. H. Report on a study of some freshwater habitats in Rangoon with special reference to the ecology of *Culex pipiens fatigans*. *World Health Organ. WHO/Vector Control* 56, 37 p., map. Ref. Nov. 25, 1963. 423.92 W89
- 105795 HARRIS, E. G. Sexing of *Anopheles stephensi* larvae and pupae. *Gt. Brit. Colon. Off. Trop. Pesticides Res. Unit. TPRU/Porton/Rpt.* 269, 3 p. Jan. 8, 1964. 423.92 G798C
- 105796 HSU, K. C. Description of a new mosquito *Tripteroides* (*Tripteroides*) *szechwanensis* sp. nov. (Ch) *Acta Ent. Sinica* 13(2):278-282. Ref. Mar. 1964. 421 K96  
English summary.
- 105797 KELLEN, W. R., CLARK, T. B., and LINDEGREN, J. E. A new host record for *Coelomomyces psorophorae* Couch in California (Blasotocladiales: Coelomomycetaceae). *J. Insect Path.* 5(2):167-173. Ref. June 1963. 421 J826  
Infection of *Aedes melanion*.
- 105798 KELLEN, W. R., CLARK, T. B., and LINDEGREN, J. E. A possible polyhedrosis in *Culex tarsalis* Coquillett (Diptera: Culicidae). *J. Insect Path.* 5(1):98-103. Mar. 1963. 421 J826
- 105799 KING, R. C. Further information concerning the envelopes surrounding dipteran eggs. *Q. J. Micros. Sci.* 105(2):209-211. June 1964. 440.8 Q2  
*Anopheles maculipennis* and *Drosophila melanogaster*.
- 105800 KLASSEN, W. Penetration and expressivity of the gold allele in *Aedes aegypti* (L.). *Canad. J. Genet. & Cytol.* 6(3):288-292. Sept. 1964. 443.8 C16
- 105801 LAIRD, M., and LAIRD, E. Culicidae and Hae-matozoa from Bellona and Rennell. *Nat. Hist. Rennell Island. Brit. Solomon Islands* 2:213-234. Ref. 1959. 409 N216
- 105802 LUM, P. T. M. The infection of *Aedes taeniorhynchus* (Wiedemann) and *Psorophora howardii* Coquillett by the fungus *Coelomomyces* [*psorophorae*]. *J. Insect Path.* 5(2):157-166. Ref. June 1963. 421 J826
- 105803 QURAIISHI, M. S. Use of isotopes for investigating the behaviour and ecology of insect pests in some recent studies. *Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc.*, 1963. *Symp.*:93-99. 423.9 In82  
*Anopheles stephensi*, *Eurygaster integriceps*, wheat pest, and its parasite, *Microphanurus* sp., in Iran.  
Includes discussion.
- 105804 ROTH, T. F., and PORTER, K. R. Yolk protein uptake in the oocyte of the mosquito *Aedes aegypti* L. *J. Cell Biol.* 20(2):313-332. Ref. Feb. 1964. 442.8 J828
- 105805 SENEVET, G., and CLASTRIER, J. Some mosquitoes from Camargue and from southeast France. (Fr) *Inst. Pasteur d'Algerie. Arch.* 41(1/2):69-71. 1963. 448.3 In7A
- 105806 SICART, M., and LARROUY, G. Study of the *Culex pipiens* complex of the city of Toulouse: bristles of lobes of sternite IX. (Fr) *Toulouse. Soc. d'Hist. Nat. B.* 98(1/2):287-288. First/Second Q. 1963. 505 T64
- 105807 SPIELMAN, A. Two mechanical aspirators for the manipulation of mosquitoes. *J. Parasitol.* 50(4):585. Aug. 1964. 448.8 J824
- 105808 VELASQUEZ, C. C. Observations on the life history of *Plagiorchis dilimanensis* sp. n. (Trematoda: Digenea). *J. Parasitol.* 50(4):557-563. Ref. Aug. 1964. 448.8 J824  
Includes development in mosquitoes.
- 105809 WISTREICH, G. A., and CHAO, J. Microorganisms from the midgut of larval and adult *Aedes aegypti* (Linnaeus). *J. Insect Path.* 5(1):56-60. Ref. Mar. 1963. 421 J826
- Hemiptera**
- 105810 BALCH, R. E., UNDERWOOD, G. R., and VARTY, I. W. Comments on the proposed validation of *Psylla Geoffroy*, 1762 (Insecta, Hemiptera). *Z.N.(S.)* 1515. *B. Zool. Nomencl.* 21(3):191-192. Ref. Aug. 7, 1964. 410 B874
- 105811 BALDWIN, W. F., and SHAVER, E. L. Dose fractionation and recovery from X-rays in *Rhodnius* [prolixus]. *Canad. J. Zool.* 42(4):515-518. July 1964. 470 C16D
- 105812 BERLIN, L. C., and HIBBS, E. T. Digestive system morphology and salivary enzymes of the potato leafhopper, *Empoasca fabae* (Harris). *Iowa Acad. Sci. Proc.* 70:527-540. Ref. 1963. 500 Io93
- 105813 BOSCHETTI, M. A., and PAGLIAI, A. M. The action of temperature on parthenogenetic oogenesis in *Macrosiphum rosae* (Homoptera, Aphididae). (It) *Caryologia* 17(1):203-218. Ref. Jan./Apr. 1964. 442.8 C25
- 105814 BUCKUP, L. Pentatomids from Rio Grande do Sul State (Brazil) Hemiptera-Heteroptera-Pentatomidae. (Por) *Iheringia. Zool.* 16, 23 p. Ref. Jan. 1961. 410 Ih2
- 105815 CANTOREANU, M. Species of Cicadinae new to the fauna of the Rumanian People's Republic (Homoptera-Auchenorrhyncha). VI. (Rum) *Bucharest. Acad. Repub. Pop. Romine. Comun.* 13(12):1063-1067. Ref. Dec. 1963. 512 B8522C
- 105816 CH'EN, J. T. The morphological feature of the valvula of ten common leafhoppers. (Ch) *Acta Ent. Sinica* 13(4):632-636. July 1964. 421 K96



- 105817 CHINA, W. E. *Blissus* Burmeister, 1835 (Insecta, Hemiptera): added to the official list of generic names. *B. Zool. Nomencl.* 21(3): 198-201. Aug. 7, 1964. 410 B874
- 105818 CHOU, Y. A new genus [Jingkara] and a new species of Membracidae (Homoptera: Auchenorrhyncha). (Ch) *Acta Ent. Sinica* 13(3):449-454. May 1964. 421 K96  
English summary.
- 105819 COLES, G. C. Some effects of decapitation on metabolism in *Rhodnius prolixus* Stal. *Nature* [London] 203(4942):323. July 18, 1964. 472 N21
- 105820 CROVETTI, A. *Ceroplastes sinensis* Del Guercio in Sardinia (distribution and short ethological note). (It) *Studi Saresesi. Sez. III*, 10: 21-26. Ref. 1962, pub. 1963. 507 Sa7Sa  
English summary.
- 105821 DAHLMAN, D. L. Survival of *Empoasca fabae* (Harris) (Cicadellidae, Homoptera) on synthetic media. *Iowa Acad. Sci. Proc.* 70:498-504. Ref. 1963. 500 Io93
- 105822 EYLES, A. C. Feeding habits of some Rhyparochrominae (Heteroptera: Lygaeidae) with particular reference to the value of natural foods. *Roy. Ent. Soc. London. Trans.* 116(5):89-114. Ref. July 10, 1964. 420 L84
- 105823 FENNAH, R. G. New species of Ugyops Fulgoroidea: Delphacidae from South America and South-east Asia. *Brit. Mus. (Nat. Hist.) B. Ent.* 15(5):117-143. 1964. 420 B773
- 105824 HALL, I. M., and BELL, J. V. Note on *Cordyceps sobolifera* (Berkeley) on the desert cicada, *Diceroprocta apache* (Davis). *J. Insect Path.* 5(2):270-272. June 1963. 421 J826
- 105825 HSIAO, T. Y. *Nabis* Latreille of China (Hemiptera, Nabidae). (Ch) *Acta Ent. Sinica* 13(2): 231-239. Mar. 1964. 421 K96  
English summary.
- 105826 HSIAO, T. Y. New species of Nabidae from China (Hemiptera-Heteroptera). (Ch) *Acta Ent. Sinica* 13(1):76-87. Ref. Jan. 1964. 421 K96  
English summary.  
Includes n. spp. in *Gorpis*, *Oronabis* n. g., *Arbela*, *Stenonabis*, *Himacerus*, and *Halonabis*.
- 105827 HSIAO, T. Y. Results of the zoologico-botanical expedition to Southwest China, 1955-1957. (Hemiptera: Aradidae). (Ch) *Acta Ent. Sinica* 13(4):587-605. July 1964. 421 K96  
English summary.  
Includes n. spp. in *Aneuris*, *Wuiessa*, n. g., *Neuroctenus*, *Yangiella*, n. g., *Pictinellus*, *Mezira*, *Odontonotus*, *Usingerida* and *Daulocoris*.
- 105828 HSIAO, T. Y. Results of the zoologico-botanical expedition to Southwest China, 1955-1957. (Hemiptera: Pyrrhocoridae and Largidae). (Ch) *Acta Ent. Sinica* 13(3):401-406. May 1964. 421 K96  
English summary.  
Includes n. spp. in *Euscopus*, *Ascopus* n. g., *Armatillus*, and *Pyrrhoepilus*.
- 105829 HSU, Y. F. Observations on the overwintering habits of some species of aphids in Chungking. (Ch) *Acta Ent. Sinica* 12(5/6):658-663. Ref. Nov. 1963. 421 K96  
English summary.
- 105830 HUKUSIMA, S. The reproductive capacity of the apple leaf-curling aphids (*Myzus malisuctus* Matsumura) reared on gibberellin-treated apple trees. *Jap. J. Appl. Ent. & Zool.* 7(4):343-347. Ref. Dec. 1963. 475 J27
- 105831 KHAN, M. A. Geographical distribution of *Eurygaster* Lap. in Pakistan. *Agr. Pakistan* 14 (3): 362-365. Sept. 1963. 22 Ag832
- 105832 KHAN, M. A. Sex ratio in *Eurygaster integriceps* Puton in wheat and barley fields of former Baluchistan and N.W.F.P. in the years 1962 & 1963. *Agr. Pakistan* 14(4):440. Dec. 1963. 22 Ag832
- 105833 KHANNA, S. Musculature of thorax in *Dysdercus koenigii* (Fabr.) (Hemiptera: Pyrrhocoridae). *Indian J. Ent.* 25(2):123-135. June 1963. 420 In23
- 105834 KIRITANI, K. The effect of colony size upon the survival of larvae of the southern green stink bug, *Nezara viridula*. *Jap. J. Appl. Ent. & Zool.* 8(1):45-54. Ref. Mar. 1964. 475 J27
- 105835 KORMILEV, N. A. Notes on Aradidae in the U.S. National Museum. III. Subfamily Mezirinae (Hemiptera). *U. S. Natl. Mus. Proc.* 115(3483): 245-258. 1964. 500 Sm65P  
Includes n. spp. in *Cinyphus* and *Mezira*.
- 105836 KOSZTARAB, M. The armored scale insects of Ohio (Homoptera: Coccoidea: Diaspididae). *Ohio Biol. Survey. B. (n.s.)* 2(2), 120 p. Ref. 1963. 442.9 Oh3  
Includes n. spp. in *Acutaspis*, *Diaspidiotus*, *Aonidomytilus*, *Phenacaspis*; and a list of host plants.
- 105837 LAUCK, D. R. A monograph of the genus *Belostoma* (Hemiptera). II. *B. aurivillianum*, *stolli*, *testaceopallidum*, *dilatatum*, and *discretum* groups. *Chicago Acad. Sci. B.* 11(4):82-101. Nov. 8, 1963. 500 C43B  
Includes n. sp. in *Belostoma*.
- 105838 LEDERER, G., and KUNNERT, R. A male of *Nabis* (Aptus) myrmedoides without anterior wings (Heteroptera, Nabidae). (Ge) *Ent. Z.* 74(1/2):4-5. Jan. 15, 1964. 421 En85
- 105839 LINDBERG, H. *Aradus frigidus* Kir. found in northern Spain. (Ge) *Notulae Ent.* 43(3):119-120. 1963. 421 N84
- 105840 LINNAVUORI, R. Contributions to the Miridae fauna of the Far East. III. Suomen Hyonteistieteellinen Aikakausk. 29(2):73-82. Ref. 1963. 421 Su7  
Includes n. spp. in *Deraeocoris*, *Phytocoris*, and *Lygus*.
- 105841 MCDANIEL, B. Key to Texas species of the genus *Eriococcus* and a description of a new species (Coccoidea, Eriococcidae). *Tex. J. Sci.* 16(1):101-106. Mar. 1964. 470 T31
- 105842 MCDANIEL, B. A new scale insect from the Panhandle of Texas (Eriococcidae, Coccoidea). *Tex. J. Sci.* 15(1):111-114. Mar. 1963. 470 T31  
*Eriococcus stellatus* n. sp.
- 105843 MAHDIHASSAN, S. The development of the adult female lac cell (Hom. Sternorrhyncha). *Eos* 39(3/4):423-435. Dec. 31, 1963. 421 Eo7  
*Lakshadia communis* and *L. mysorensis*.
- 105844 MARSHALL, A. T. Spit- production and tube-building by cercopoid nymphs (Homoptera). I. The cytology of the Malpighian tubules of spit- tle-bug nymphs. *Q. J. Micros. Sci.* 105(2):257-262. Ref. June 1964. 440.8 Q2  
Cercopinae and Aphrophorinae.
- 105845 MURAKAMI, Y. An identification method of the stages of Comstock mealybug, *Pseudococcus comstocki* (Kuwana) (Homoptera, Coccoidea). (Ja) *Jap. J. Appl. Ent. & Zool.* 8(1):79-80. Mar. 1964. 475 J27
- 105846 OGUSHI, R., and MIYASHITA, E. Studies on the local variation of age distribution of the overwintering arrowhead scale, *Prontaspis yanonensis* Kuwana in Nagasaki Prefecture. (Ja) *Jap. J. Appl. Ent. & Zool.* 7(4):291-299, map. Dec. 1963. 475 J27  
English summary.
- 105847 OHGUSHI, R., and others. On the altitudinal variation of age distribution and development of ovaries of overwintering arrowhead scale, *Prontaspis yanonensis* Kuwana at Mt. Unzen, Nagasaki Prefecture. (Ja) *Jap. J. Appl. Ent. & Zool.* 8(1):21-25. Mar. 1964. 475 J27  
T. Mori, T. Itayama, and T. Yamaguchi, joint authors.  
English summary.
- 105848 OKUMURA, T. Induction of diapause in eggs of the planthoppers, *Sogatia furcifera* and *Nilaparvata lugens*, by changing rearing condition of their adult life. (Ja) *Jap. J. Appl. Ent. & Zool.* 7(4):285-290. Ref. Dec. 1963. 475 J27  
English summary.  
Rice pests.
- 105849 PETERS, W. P. Inheritance of asymmetry in *Krizousacoris femorata* (Guerin). *Genetica* 34(3):211-227. Ref. 1963. 442.8 G282  
A Mexican corixid.
- 105850 PINET, J. M. Abdominal transplantation of mandible and maxillary buds of *Rhodnius prolixus* Stal (Heteroptera Reduviidae). (Fr) *Acad. des Sci. Compt. Rend.* 259(1):234-236. July 6, 1964. 505 P21

- 105851 PRINS, G. Notes on a laboratory rearing method for *Distantiella theobroma* (Dist.), (Hemiptera: Miridae). *Cacao Mirid Contr. Conf. Proc.* 1963:33-35. 1964. 68.39 C643  
Includes discussion.
- 105852 SCUDDER, G. G. E. *Lygaeidae* (Hemiptera) of Rennell and Bellona Islands. *Nat. Hist. Rennell Island. Brit. Solomon Islands* 2:135-142. 1959. 409 N216  
Includes n. spp. in *Lethaeus* and *Cligenes*.
- 105853 SHARAPOV, N. I., PROKOPENKO, A. I., and TIKHOMIROV, G. N. Experience in obtaining of white Chinese wax. (Rus) *Akad. Nauk SSSR. Vest.* 10:67-68. Oct.1963. 511 Ak14V  
Produced by *Ericerus pela*.
- 105854 SHIKATA, E., and others. Electron micrographs of wound-tumor virus in an animal host and in a plant tumor. *Virology* 23(3):441-444. Ref. July 1964. 448.8 V81  
S. W. Orenski, H. Hirumi, J. Mitsuhashi, and K. Maramorosch, joint authors.  
In the vector *Agallia constricta* and in sweet clover.
- 105855 SLIFER, E. H., SEKHON, S. S., and LEES, A. D. The sense organs on the antennal flagellum of aphids (Homoptera), with special reference to the plate organs. *Q. J. Micros. Sci.* 105(1):21-29. Ref. Mar.1964. 440.8 Q2  
*Megoura viciae* and *Tuberolachnus salignus*; probably chemoreceptors.
- 105856 STEFFAN, A. W. The systematic and phylogenetic position of the agamospecies in the *Adelgidae* genera (Homoptera: Aphidoidea). (Ge) *Deut. Zool. Gesell. Verhandl.* 1962:640-655. Ref. 1963. 410.9 D48
- 105857 STRUBING, H. The diapause problem in the genus *Stenocranus* (Homoptera: Auchenorrhyncha). (Ge) *Zool. Beitr.* 9(1):1-119. Ref. 1963. 410 Z753
- 105858 SUN, S. S. Histological and histochemical studies on the digestive system of *Lycorma delicatula* White. (Ch) *Acta Ent. Sinica* 13(2):177-192. Ref. Mar.1964. 421 K96  
English summary.
- 105859 TAMAKI, Y. Preliminary studies on wax material and honeydew excretion of *Ceroplastes pseudociferus* (Green) (Homoptera). (Ja) *Jap. J. Appl. Ent. & Zool.* 7(4):355-357. Dec. 1963. 475 J27
- 105860 THUNEBERG, E. Contribution to the knowledge of Finnish aphids (Hom., Aphidoidea) together with their parasites. III. (Ge) *Suomen Hyonteistieteellinen Aikakausk.* 29(2):130-134. Ref. 1963. 421 Su7  
Includes Aphidiidae.
- 105861 TODD, L. The chemistry of the aphid colouring matters. *Int. Symp. Chem. Natur. Prod. Spec. Introd. Lect., 2d Symp.*:709-717. 1962, pub.1963. 385 In823
- 105862 TS'AI, P. H., and others. Study on *Delphacodes striatella* Fallen (Homoptera, Delphacidae) in North China. (Ch) *Acta Ent. Sinica* 13(4):552-571. July 1964. 421 K96  
F. S. Huang, W. H. Geng, I. J. Fu, and C. F. Tung, joint authors.  
English summary.
- 105863 WAGNER, E. The genus *Stagonomus* Gorski, 1852 (Hem. Het. Pentatomidae). (Ge) *Deut. Ent. Z. (n.s.)* 11(1/2):1-10. May 1, 1964. 421 D48
- 105864 WAGNER, E. A new species of *Tinicephalus* from southern France (Hem. Het. Miridae). (Ge) *Deut. Ent. Gesell. Mitt.* 23(1):15-16. Feb.29,1964. 420 D482
- 105865 WAGNER, E. Results of the zoological expedition to Nubia 1962. XVII. Heteroptera. (Ge) *Nathist. Mus. Wien. Ann.* 66:477-487. 1962, pub.1963. 410.9 V672  
Includes n. sp. in *Artheneis*.
- 105866 WANG, F. The ecological adaptation of the male and female *Ericerus pe-la* and the utilization of their product. (Ch) *Lin Yeh K'o Hsueh* 8(2/4):171-175. Apr./Oct.1963. 99.8 L632
- 105867 WIGGLESWORTH, V. B. The union of protein and nucleic acid in the living cell and its demonstration by osmium staining. *Q. J. Micros. Sci.* 105(1):113-122. Ref. Mar.1964. 440.8 Q2  
*Rhodnius prolixus*.

HymenopteraSEE ALSO Apiculture and *Apis mellifera*.

- 105868 BJEGOVIC, P. Contribution to the knowledge of competitive relations between *Ooencyrtus kuwanae* How. and *Anastatus disparis* R. (Se) *Zastita Bilja* 75:543-552. 1963. 464.8 Z1  
English summary.  
Parasites of *Porthetria dispar*.
- 105869 BUCHER, G. E. Transmission of bacterial pathogens by the ovipositor of a hymenopterous parasite. *J. Insect Path.* 5(3):277-283. Ref. Sept.1963. 421 J826  
*Serratia marcescens* and *Proteus mirabilis* to *Galleria mellonella* by *Itoplectis conquisitor*.
- 105870 CEBALLOS, G. Orthocentrinae and Metopiinae from Spain (Hym. Ichneumonidae). (Sp) *Eos* 39(1/2):109-134. June 30,1963. 421 Eo7  
Includes a new species in *Orthocentrus*.
- 105871 CHACKO, M. J. The phenomenon of superparasitism in *Trichogramma evanescens minutum* Riley and *Bracon gelechiae* Ashmead. *Agra U. J. Res. Sci.* 12(3):189-192. Sept.1963 513 Ag8
- 105872 CH'AO, H. F. Descriptions of new species of Stephanidae (Hymenoptera, Ichneumonoidea) from South China. (Ch) *Acta Ent. Sinica* 13(3):376-395. May 1964. 421 K96  
English summary.  
Includes new species in *Megischus*, *Parastephanelus*, *Foenatopus*, and *Diastephanus*.
- 105873 ELFVING, R. The most important bumblebee species in Finland and their identification. (Fi) Finland. Maatalouden Tutkimuskeskus. Maatalous ja Koet. 18:283-291. 1964. 64.9 F49  
English summary.
- 105874 EVANS, H. E. A revision of the genus *Apenesia* in the Americas (Hymenoptera, Bethyilidae). *Harvard U. Mus. Compar. Zool. B.* 130(4):249-359. Dec.20,1963. 500 H26B  
Includes new species.
- 105875 FARROW, M. G., and ULRICH, V. X-ray and gamma ray irradiation of *Mormoniella vitripennis*. *W. Va. Acad. Sci. Proc.* 35:21-28. Ref. 1963, pub.1964. 500 W52
- 105876 FISCHER, M. On Palearctic Opiinae (Hym., Braconidae). (Ge) *Nathist. Mus. Wien. Ann.* 66:283-305. 1962, pub.1963. 410.9 V672  
New spp. in *Nipponopius* n. g. and *Opius*.
- 105877 GOSSWALD, K., and KLOFT, W. Tracer experiments on food exchange in ants and termites. *Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc.*, 1963 Symp.:25-42. Ref. 423.9 In82  
*Formica* and *Kaloterme flavicollis*.  
Includes discussion.
- 105878 GUPTA, C. S. Ecological studies on *Camponotus compressus* (Fabr.), (Formicidae: Hymenoptera) during spring in Hardwar. *Agra U. J. Res. Sci.* 12(3):45-51. Sept.1963. 513 Ag8
- 105879 HURD, P. D., and MOURE, J. S. A classification of the large carpenter bees (Xylocopini) (Hymenoptera: Apoidea). *Calif. U. P. Ent.* 29, 365 p. Ref., p.319-342. 1963. 500 C125E  
Includes new species and the following new subgenera of the genus *Xylocopa*: *Nanoxycopa* n. sgen., *Cirroxylocopa* n. sgen., *Xylocopoda* n. sgen., *Xylocospila* n. sgen., *Dasyxylocopa* n. sgen., *Ioxylocopa* n. sgen., *Xylocopsis* n. sgen., *Monoxylocopa* n. sgen., *Diaxylocopa* n. sgen., *Calloxylocopa* n. sgen., *Megaxylocopa* n. sgen., *Xylocopina* n. sgen., *Rhysoxylocopa* n. sgen., *Gnathoxylocopa* n. sgen., *Mimoxycopa* n. sgen., *Prosopoxylocopa* n. sgen., *Xylomelissa* n. sgen., *Epixycopa* n. sgen., *Apoxycopa* n. sgen., *Dinoxylocopa* n. sgen., *Perixycopa* n. sgen., *Euxycopa* n. sgen., *Acroxylocopa* n. sgen., *Xenoxycopa* n. sgen., *Hoploxylocopa* n. sgen., *Afroxylocopa* n. sgen., *Oxyxylocopa* n. sgen., *Cyphoxylocopa* n. sgen., and *Lieftinckella* n. sgen.
- 105880 HURD, P. D., and LINSLEY, E. G. The squash and gourd bees—genera *Peponapis* Robertson and *Xenoglossa* Smith—inhabiting America north of Mexico (Hymenoptera: Apoidea). *Hilgardia* 35(15):375-477. Ref. May 1964. 100 C12H  
Includes new species in *Peponapis*.  
*Cucurbita* pollinators.



- 105881 KANAMITSU, K. *Lissonota evetriae* Uchida (Hym., Ichneumonidae), a parasite of a Japanese pine shoot moth, *Evetria cristata* Walshingham. (Ja) Jap. J. Appl. Ent. & Zool. 7(4):307-310. Dec.1963. 475 J27  
English summary.
- 105882 KASCHEF, A. H., and SHEATA, M. N. Olfactive interattraction in *Camponotus maculatus aegyptiacus* (Hym., Formicidae). Zool. Beitr. 9(2/3):229-235. 1963. 410 Z753
- 105883 KEMPFER MERCADO, N. Considerations on Meliponinae. (Sp) Agr. Trop. 20(1):28-31. Jan.1964. 26 Ag8  
Rearing.
- 105884 LINSLEY, E. G., MACSWAIN, J. W., and RAVEN, P. H. Comparative behavior of bees and Onagraceae. I-II. Calif. U. P. Ent. 33(1), 50 p. map. Ref. 1963. 500 C125E  
I, *Oenothera* bees of the Colorado Desert: II, *Oenothera* bees of the Great Basin.  
Pollination.
- 105885 MOCHIDA, O., and YOSHIMEKI, M. On issuing of the braconid parasite, *Apanteles chilonis*, from its host body and the breaking of diapause in the host, *Chilo suppressalis*. Jap. J. Appl. Ent. & Zool. 8(1):82-84. Mar.1964. 475 J27
- 105886 MUCHE, W. H. Contribution to the knowledge of sawflies of Bulgaria with description of a new species of *Amasis*. (Ge) Ent. Z. 74(3):17-24. Ref. Feb.1,1964. 421 En85  
Tenthredinidae.
- 105887 MUCHE, W. H. Observations on Hymenoptera. (Ge) Ent. Z. 74(6):67-69. Mar.15,1964. 421 En85  
*Parodontodynerus ephippium*, *Eumenes pedunculatus*, and *Tenthredella mesomelas*, in Germany.
- 105888 NAGEL, W. P., and PIMENTEL, D. The intrinsic rate of natural increase of the pteromalid parasite *Nasonia vitripennis* (Walk.) on its muscoid host *Musca domestica* L.). Ecology 45(3):658-660. Ref. Summer 1964. 410 Ec7
- 105889 NEGRU, S. Forms of golden wasps (Hymenoptera-Chrysididae) new to the fauna of the Rumanian People's Republic. IV. (Rum) Bucharest. Acad. Repub. Pop. Romine. Comun. 13(11):981-988, map. Ref. Nov.1963. 512 B8522C  
French summary.  
Chrysis spp.
- 105890 PARNELL, J. R. The parasite complex of the two seed beetles *Bruchidius ater* (Marsham) (Coleoptera: Bruchidae) and *Apion fuscirostre* Fabricius (Coleoptera: Curculionidae). Roy. Ent. Soc. London. Trans. 116(4):73-88. Ref. July 10,1964. 420 L84  
Hymenopterous parasites.
- 105891 PARRE, F. Bees in Stassfurt and a new habitat of two rare Hymenoptera species in Saxony-Anhalt. (Ge) Ent. Z. 74(9):97-100. May 1, 1964. 421 En85  
*Epeoloides coecutiens* and *Chlorion maxillosum*.
- 105892 PUŁAWSKI, W. Sapygidae, Scoliidae, Tiphiidae, Methochidae, Myrmosidae, Mutillidae. Polski Zwiazek Ent. Klucze do Oznaczenia Owadow Polski 24(Hymenoptera, 57/62), 66 p. Ref. 1963. 422.59  
Text in Polish.
- 105893 RIORDAN, D. F. Effect on continuous low-level gamma-irradiation on successive generations of *Dahlbominus fuscipennis* (Zett.) (Hymenoptera: Eulophidae). Canad. J. Zool. 42(4):685-688. July 1964. 470 C16D
- 105894 RIORDAN, D. F. Effects of low-level gamma-radiation on the immature stages of *Dahlbominus fuscipennis* (Zett.) (Hymenoptera: Eulophidae). Canad. J. Zool. 42(4):675-684. Ref. July 1964. 470 C16D
- 105895 SAFAVI, M. Sex behavior of *Asolcus Nakagawa* (Hym. Proctotrupoidea Scelionidae). (Fr) Rev. de Path. Veg. et d'Ent. Agr. de France 42(2):127-134. Ref. 1963. 464.9 Sol  
English summary.
- 105896 SAKAGAMI, S. F., and LAROCA, S. Additional observations on the habits of the cleptobiotic stingless bees, the genus *Lestrimelitta* Friese (Hymenoptera, Apoidea). Hokkaido U. Facul. Sci. J. Ser. VI. Zool. 15(2):319-339. Ref. Dec. 1963. 410.9 H68
- 105897 SAKAGAMI, S. F., and ONIKI, Y. Behavior studies of the stingless bees, with special reference to the oviposition process. I. *Melipona compressipes manaosensis* Schwarz. Hokkaido U. Facul. Sci. J. Ser. VI. Zool. 15(2):300-318. Dec.1963. 410.9 H68
- 105898 SMIRNOFF, W. A. Adaptation of a nuclear-polyhedrosis virus of *Trichiocampus viminalis* (Fallen) to larvae of *Trichiocampus irregularis* (Dyar). J. Insect Path. 5(1):104-110. Mar. 1963. 421 J826
- 105899 STADNITSKII, G. V. Determination of vitality of oviposition of pine sawfly. (Rus) Lesn. Khoz. 11:49-50. Nov.1963. 99.8 L5622  
Diprion sertifer.
- 105900 TALBOT, P. H. B. Taxonomy of the fungus associated with *Sirex noctilio*. Austral. J. Bot. 12(1):46-52. Ref. June 1964. 450 Au72  
Attacks *Pinus radiata*.
- 105901 TIMBERLAKE, P. H. Some new species of *Pseudopanurgus* of the subgenus *Heterosarus* Robertson (Hymenoptera, Apoidea). Amer. Mus. Novitates 2185, 26 p. Ref. July 9,1964. 500 N483N
- 105902 TOBIAS, V. I. Ichneumon flies (Hymenoptera, Ichneumonidae) with the venation of fore-wings usually found in Braconidae. (Rus) Zool. Zhur. 42(10):1513-1522. Ref. 1963. 410 R92  
English summary.
- 105903 TRIPATHI, R. L. Further studies on the biology of *Athalia proxima* Klug (Tenthredinidae: Hymenoptera). Indian J. Ent. 25(2):179-181. June 1963. 420 In23
- 105904 TYNES, J. S., and HUTCHINS, R. E. Studies of plant-nesting ants in east central Mississippi. Amer. Midland Nat. 72(1):152-156. July 1964. 410 M58  
*Camponotus*, *Leptothorax*, and *Pseudomyrmex*.
- 105905 VAN DEN BOSCH, R., and others. Studies on succession, distribution, and phenology of imported parasites of *Therioaphis trifolii* (Monell) in southern California. Ecology 45(3):602-621, map. Ref. Summer 1964. 410 Ec7  
E. I. Schlinger, E. J. Dietrick, J. C. Hall, and B. Puttler, joint authors.  
*Praon palitans*, *Trioxys utilis* and *Aphelinus semiflavus*.
- 105906 WIEBES, J. T. Indo-Malayan and Papuan fig wasps (Hymenoptera, Chalcidoidea). 2. The genus *Pleistodontes* Saunders (Agaonidae). Leiden. Rmus. van Nat. Hist. Zool. Meded. 38(19):303-321. Ref. Nov.18,1963. 410.9 L59  
Includes n. spp.
- 105907 WILKES, A. "Male-producing factor" in the wasp *Dahlbominus*. Science 145(3633):726-727. Aug.14,1964. 470 Sci2  
*Dahlbominus fuliginosus*.
- 105908 WILLE, A. Phylogenetic significance of an unusual African stingless bee, *Meliponula bocan-dei* (Spinola). Rev. de Biol. Trop. 11(1):25-46. Ref. July 1963. 442.8 R328
- 105909 WOLF, H. *Priocnemis* species (Hym. Pompilidae) from Cyprus. (Ge) Deut. Ent. Gesell. Mitt. 23(1):6-9. Feb.29,1964. 420 D482  
Includes n. sp.
- 105910 ZIMMERMANN, S. Results of the zoological expedition to Nubia 1962. VI. Hymenoptera: Chrysididae. (Ge) Nathist. Mus. Wien. Ann. 66:413-417. 1962, pub.1963. 410.9 V672  
Includes n. sp. in Chrysis.

#### Lepidoptera

#### SEE ALSO Sericulture and the Silkworm.

- 105911 AE, S. A. A further study of interspecific hybrids in black swallowtails in Japan. Lepidopterists' Soc. J. 17(3):163-169. Dec.30,1963. 421 L554  
*Papilio* spp.
- 105912 AGARWAL, R. A. Biology of sugarcane internode borer (*Proceras indicus* K.). Indian Sugar [Calcutta] 14(2):145-150, 156. Ref. May 1964. 65.8 In26



- 105913 AGENJO, R. Geographic distribution and morphology of *Pyrgus alveus* (Hb. 1802) in Spain; a cline of its male genitalia (Lep. Hesperidae). (Sp) Eos 39(1/2):7-22, map. June 30, 1963. 421 Eo7
- 105914 AGENJO, R. Morphology and geographic distribution of *Satyrus actaea* (Esp., 1780) and *S. bryce* (Hb., 1790-93) in Spain (Lep. Satyridae). (Sp) Eos 39(3/4):313-336, map. Dec. 31, 1963. 421 Eo7
- 105915 AGENJO, R. On the morphology and geographic distribution of *Zegris eupheme* (Esp., 1800) in Spain (Lep., Pieridae). (Sp) Eos 39(3/4):337-343, map. Dec. 31, 1963. 421 Eo7
- 105916 ANGELINI, A., and VANDAMME, P. An intestinal virus in *Diparopsis watersi* (Lepidoptera, Noctuidae). (Fr) Coton et Fibres Trop. 19(2):265-270. June 1964. 73.8 C82  
English summary.  
Polyhedrosis.
- 105917 BELLINGER, P. F. Recent literature on Lepidoptera. Lepidopterists' Soc. J. 17(3):191-200. Dec. 30, 1963. 421 L554
- 105918 BENDER, E. The fruit tree leaf miner moth; its appearance and habits-the moth, a Microlepidoptera. (Ge) Fachberater f. das Deut. Kleingartn. 13(50):20-29. Dec. 1963. 80 F11  
*Lyonetia clerkella*.
- 105919 BENZ, G. A nuclear polyhedrosis of *Malacosoma alpicola* (Staudinger). J. Insect Path. 5(2):215-241. Ref. June 1963. 421 J826  
Infection with *Borrelinavirus alpicolae*.
- 105920 BERGER, L. A. Hesperidae collected in the Seychelles. (Fr) Lambillionea 62(3/6):19-20. June 25, 1962. 420 N15  
*Borbo borbonica morella* and *B. gemella*.
- 105921 BERGER, L. A. Note on some Hesperidae from the Ivory Coast. (Fr) Lambillionea 62(3/6):33-36. June 25, 1962. 420 N15
- 105922 BERGER, L. A. Remarks on Belgian fauna. (Fr) Lambillionea 62(3/6):37-38. (Cont.) June 25, 1962. 420 N15  
*Rhopalocera* and *Heterocera*.
- 105923 BERGOLD, G. H. Fine structure of some insect viruses. J. Insect Path. 5(1):111-128. Ref. Mar. 1963. 421 J826  
Polyhedroses and granuloses in Lepidoptera.
- 105924 BETTAG, E. *Archanara* algae in the Palatinate (Lep., Noctuidae). (Ge) Ent. Z. 73(23):261-262. Dec. 1, 1963. 421 En85
- 105925 BETTAG, E. *Bembecia hylaeiformis* in the Palatinate (Lep., Aegeriidae). (Ge) Ent. Z. 73(24):270-271. Dec. 15, 1963. 421 En85
- 105926 BETZ, J. T. Observation on *Amata phegea* L. (Ctenuchidae). (Fr) Alexanor 3(4):187-188. 1963. 421 AL2  
France.
- 105927 BIGOT, L., and SCHWARZ, R. *Acipitillia nephelodactyla* Eversmann, 1844 and *A. apollina* Milliere, 1883, new synonymy (Pterophoridae). (Fr) Alexanor 3(4):188-189. Ref. 1963. 421 AL2
- 105928 BIGOT, L. The *Leioptilus* of the French fauna (Lep. Pterophoridae). (Fr) Alexanor 3(3):119-126. 1963. 421 AL2
- 105929 BIRD, F. T. On the development of granulosus viruses. J. Insect Path. 5(3):368-376. Sept. 1963. 421 J826  
Electron microscope study of *Choristoneura murinana* and *C. fumiferana*.
- 105930 BLESZYNSKI, S. Results of the zoological expedition to Nubia 1962. XV. Lepidoptera: Crambidae. Nathist. Mus. Wien. Ann. 66:471. 1962, pub. 1963. 410.9 V672
- 105931 BOURGOGNE, J. Preparation of genital armatures of Lepidoptera. (Fr) Alexanor 3(3):111-118. (Cont.) 1963. 421 AL2
- 105932 BOURGOGNE, J. The preparation of genital armatures of Lepidoptera. (Fr) Alexanor 3(4):153-164. (Cont.) 1963. 421 AL2
- 105933 BOURGOGNE, J. *Oreopsyche tabanivicinella* Bruand; French distribution, ethology and relations with *O. pyrenaella* H. S. (Psychidae). (Fr) Alexanor 3(3):137-144. 1963. 421 AL2
- 105934 BOURGOGNE, J. A species to investigate [*Procris schmidtii*] (Zygaenidae). (Fr) Alexanor 3(4):176. 1963. 421 AL2  
New for France.
- 105935 BOURSIN, C. Results of the zoological expedition to Nubia 1962. XII. Lepidoptera: Noctuidae-Trifinae; 138th contribution to the knowledge of the Noctuidae-Trifinae. (Ge) Nathist. Mus. Wien. Ann. 66:459-461. 1962, pub. 1963. 410.9 V672
- 105936 BRADLEY, J. D. Microlepidoptera from Rennell and Bellona Islands. Nat. Hist. Rennell Island. Brit. Solomon Islands 2:87-112. 1959. 409 N216  
Includes *Eleuthodema* n. g., and n. spp. in *Allohermenias*, *Spilonota*, *Icelita* n. g., *Pseudoclitia* n. g., *Eucosma*, *Periphoeba* n. g., *Autosticha*, *Cosmopteryx*, *Limnoecia*, *Hieromantis*, *Stathmopoda*, *Pachyrhabda*, *Acrocercops*, *Opostega*, *Ereunetis*, *Catalectis*, *Crypsithyris*, and *Tinea*.
- 105937 BRINKMANN, R. On rearing *Cidaria turbata* (Lep., Geometridae). (Ge) Ent. Z. 74(1/2):1-4. Jan. 15, 1964. 421 En85
- 105938 BUCHER, G. E. Survival of populations of *Streptococcus faecalis* Andrewes and Horder in the gut of *Galleria mellonella* (Linnaeus) during metamorphosis, and transmission of the bacteria to the filial generation of the host. J. Insect Path. 5(3):336-343. Ref. Sept. 1963. 421 J826
- 105939 BUCKMANN, D. The hormone threshold as controlling factor in the pupal development of *Cerura vinula* L. (Ge) Deut. Zool. Gesell. Verhandl. 1962:180-189. Ref. 1963. 410.9 D48
- 105940 CAPUSE, I. *Agapeta vicolana* n. sp. (Lep. Cochylidae). Deut. Ent. Z. (n.s.) 11(1/2):43-45. May 1, 1964. 421 D48  
Text in German.  
Rumania.
- 105941 CHAI, C. H. Studies on the protein metabolism in the hemolymph of *Philosamia cynthia ricini*. (Ch) Acta Ent. Sinica 13(4):484-493. Ref. July 1964. 421 K96  
English summary.
- 105942 CHAI, C. H. Studies on the soluble proteins of *Philosamia cynthia ricini*. (Ch) Acta Ent. Sinica 12(5/6):543-551. Ref. Nov. 1963. 421 K96  
English summary.
- 105943 CHANG, C. K., LIU, F., and FENG, H. Studies on metabolism of eri-silkworm during metamorphosis. II. The properties of trehalase and its effect on metabolism. (Ch) Acta Ent. Sinica 13(4):494-502. Ref. July 1964. 421 K96  
English summary.  
*Philosamia cynthia ricini*.
- 105944 CHEN, C. C., and WANG, S. T. Preliminary observations on the life history and habits of *Acontia graellsii* Feisthamel. (Ch) Acta Ent. Sinica 13(1):138-140. Jan. 1964. 421 K96
- 105945 CH'ENG, C. H. A phase contrast study of blood cells in *Pseudaletia separata* larvae. (Ch) Acta Ent. Sinica 13(4):536-541. July 1964. 421 K96  
English summary.
- 105946 CHNEOUR, A. Twenty-six years work of a lepidopterist in Tunisia. (Fr) Alexanor 3(3):104-110, map. Ref. 1963. 421 AL2
- 105947 CORTI, W. R. Butterflies and moths. New York, 1964. 46 p. (Odyssey Library No. 3) 430 C813
- 105948 CROWE, T. J. Coffee leaf miners in Kenya. I. Species and life histories. Kenya Coffee 29(341):173, 175, 177, 179, 181, 183. May 1964. 68.29 C652  
*Leucoptera* spp.
- 105949 DABROWSKI, J. S. Changes on design of the butterflies of the genus *Zygaena* Fabr. (Lepidoptera: Zygaenidae) obtained by intrachrysalid injections. I. *Zygaena carniolica* Scop. Fol. Biol. [Warsaw] 11(3):339-346. 1963. 442.8 F71  
Tests with tungstic acid.
- 105950 DAVID, B. A., and DAVID, M. H. *Metisa nainiagini* sp. nov. (Psychidae: Lepidoptera), a new species of bagworm injurious to guava plants in India. Allahabad Farmer 37(6):33-40. Ref. Nov. 1963. 22 AL5



- 105951 DELATTRE, R. Preliminary note on the use of radioisotopes to study some cotton pests in Africa. (Fr) Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc., 1963 Symp.:85-92. 423.9 In82  
English summary.  
Chiefly diapause of *Diparopsis watersi*.
- 105952 DIAKONOFF, A. African species of the genus *Bactra* Stephens (Lepidoptera, Tortricidae). Tijdschr. v. Ent. 106(7):285-356. Ref. 1963. 421 T21  
Includes *Bactra* (*Spinobactra*) n. sgen., *Lobesia* (*Harmosma*) n. sgen., and n. spp.
- 105953 DIAKONOFF, A. Preliminary survey of the Palaearctic species of the subgenus *Bactra* Stephens (*Bactra*, Tortricidae, Lepidoptera). Leiden. Rmus. van Nat. Hist. Zool. Verhandel. 59,48 p. Dec.31,1962. 410.9 L59Z  
Includes n. spp.
- 105954 DIAKONOFF, A. Results of the zoological expedition to Nubia 1962. XVI. Lepidoptera: Tortricidae, Olethreutinae. Nathist. Mus. Wien. Ann. 66:473-476. 1962, pub.1963. 410.9 V672
- 105955 DUFAY, C. What is "*Plusia uralensis* Bellier?" (Lep. Noctuidae, Plusiinae). (Fr) Alexanor 3(4):169-175. 1963. 421 AL2  
Specimens from France are *Euchalcia bellieri*.
- 105956 EGGELHAAF, A. Biochemical effects of the  $\alpha$ -locus in *Ephestia kuehniella* egg and larval development. (Ge) Deut. Zool. Gesell. Verhandl. 1962:79-84. 1963. 410.9 D48
- 105957 EISNER, C. *Parnassiana* nova. XXXIII. Additional observations on the revision of the subfamily Parnassiinae. 6. (Ge) Leiden. Rmus. van Nat. Hist. Zool. Meded. 38(17):281-294. Oct.9,1963. 410.9 L59
- 105958 ELIOT, J. N. A note on the phidippus L. group of the genus *Amathusia* (Lepidoptera: Amathusiidae), with special reference to the Malayan forms. Entomologist 97(1214):155-161. Ref. July 1964. 421 En8
- 105959 EVANS, W. H. A new sub-species of *Hasora hurama* Butler (Lepidoptera: Hesperidae). Nat. Hist. Rennell Island. Brit. Solomon Islands 2:113. 1959. 409 N216
- 105960 FAILLIE, L. *Brenthis ino* Rott. in Maine-et-Loire (Nymphalidae). (Fr) Alexanor 3(4):168. 1963. 421 AL2
- 105961 FISCHER, R. Blue females of *Plebejus argus* in the eastern Fichtelgebirge (Lep., Lycaenidae). (Ge) Ent. Z. 74(6):65-66. Mar.15,1964. 421 En85
- 105962 FLETCHER, D. S. Macroheterocera of Rennell Island. Nat. Hist. Rennell Island. Brit. Solomon Islands 2:31-66. 1959. 409 N216  
Includes n. spp. in *Celama*, *Macaduma*, *Mniotrupa*, *Gadirtha*, *Achaea*, *Anachrostis*, *Progonia*, *Luceria*, *Schranksia*, *Ozola*, *Thalassodes*, *Metallochloa*, *Scopula*, *Calluga*, and *Cleora*.
- 105963 FLETCHER, D. S. Results of the zoological expedition to Nubia 1962. XIV. Lepidoptera: Geometridae. (Ge) Nathist. Mus. Wien. Ann. 66:469-470. 1962, pub.1963. 410.9 V672
- 105964 FORSTER, W. Results of the zoological expedition to Nubia 1962. XI. Lepidoptera—Rhopalocera. (Ge) Nathist. Mus. Wien. Ann. 66:457-458. 1962, pub.1963. 410.9 V672
- 105965 GARLING, B. Increase in appearance of the female form *valesina* of *Argynnis paphia* in central Germany (Lep., Nymphalidae). (Ge) Ent. Z. 74(6):71. Mar.15,1964. 421 En85
- 105966 GIORGI, B. Note biologiche sulla *Epinotia thapsiana* Zell. (Lepid., Olethreutidae) [Biological note on *Epinotia thapsiana* Zell. (Lepid., Olethreutidae)]. Frustula Ent. 4(2):21 p. 1961. 421 F94  
Includes food and host plants and life history.
- 105967 GOZMANY, L. A. A new species of the genus *Aprominta* Gozm. from Crete (Lep. Symmoceridae). Deut. Ent. Z. (n.s.)11(1/2):11-12. May 1,1964. 421 D48
- 105968 GREY, L. P., MOECK, A. H., and EVANS, W. H. Notes on overlapping subspecies. II. Segregation in the *Speyeria atlantis* of the Black Hills (Nymphalidae). Lepidopterists' Soc. J. 17(3):129-147, map. Dec.30,1963. 421 L554  
Based on populations, behavior, and rearing.
- 105969 GUGLIELMINETTI, R., and GIORGI, B. Apunti sulla *Dialectica simploniella* F.R. (Lepid. Gracilaridae) [Notes on *Dialectica simploniella* F.R. (Lepid. Gracilaridae)]. Frustula Ent. 4(3):33 p. Ref. 1962. 421 F94  
Includes immature stages and food and host plants, chiefly *Quercus*.
- 105970 HAEGER, E. Collection results 1962 (Lep.). (Ge) Deut. Ent. Gesell. Mitt. 22(5/6):96-98. Nov.15,1963. 420 D482
- 105971 HAMM, J. J., and PASCHKE, J. D. On the pathology of a granulosis of the cabbage looper, *Trichoplusia ni* (Hubner). J. Insect Path. 5(2): 187-197. Ref. June 1963. 421 J826
- 105972 HARRISON, J. O. Factors affecting the abundance of Lepidoptera in banana plantations. Ecology 45(3):508-519. Ref. Summer 1964. 410 Ec7
- 105973 HERBULOT, C. New Geometridae from the Seychelles. (Fr) Lambillionea 62(3/6):31-33. June 25,1962. 420 N15  
Includes n. spp. in *Thalassodes*, *Chloroclystis* and *Scopula*.
- 105974 HEYDEMANN, F. On the nomenclature and systematics of some Noctuidae. 3. The dual species (duplicate species) *Oligia dubia* Heyde-man and *Oligia versicolor* Borkhausen (Lep.). (Ge) Ent. Z. 74(8):81-89. Apr.15,1964. 421 En85
- 105975 HIRANO, C., and NOGUCHI, H. Food utilization by the last larvae of the cabbage armyworm, *Mamestra brassicae* L., fed on plant leaves of different food values. (Ja) Jap. J. Appl. Ent. & Zool. 7(4):311-315. Dec.1963. 475 J27  
English summary.
- 105976 HOLST, P. L. *Acleris permutana* and *Cacoecia semialbana* Gn. (Lepidoptera, Tortricidae) new to Danish fauna. (Da) Flora og Fauna 70(2):40-42. June 1964. 410 F662  
English summary.
- 105977 HOUEY, P. The preparation of caterpillars. (Fr) Lambillionea 62(3/6):21-23. (Concl.) Ref. June 25,1962. 420 N15
- 105978 HSIA, T. S., TS'AI, S. M., and TENG, H. S. Studies of the regularity of outbreak of the oriental armyworm, *Leucania separata* Walker. II. Observations on migratory activity of the moths across the Chihli Gulf and Yellow Sea of China. (Ch) Acta Ent. Sinica 12(5/6):552-564, map. Ref. Nov.1963. 421 K96  
English summary.
- 105979 HUGHES, R. A. Scarcity of Lepidoptera in North Wales, summer 1963. Entomologist 97(1214):151-152. July 1964. 421 En8
- 105980 HUSSEY, N. W., and GOSTICK, K. G. Effects of low-temperature storage on the eggs of *Spodoptera littoralis* (Boisd.). Nature [London] 203(4942):323-324. July 18,1964. 472 N21
- 105981 ISHII, S., and HIRANO, C. Inability of *Chilo suppressalis* larvae (Lepidoptera: Pryalidae) to utilize farnesol for synthesizing cholesterol. Jap. J. Appl. Ent. & Zool. 8(1):84-86. Ref. Mar.1964. 475 J27
- 105982 JACKSON, T. H. E. Notes on the Epitolineae, II. Brit. Mus. (Nat. Hist.) B. Ent. 15(3):57-80. 1964. 420 B773  
Includes n. spp. in *Phytala*, *Epitola*, *Hewitsonia*, and *Neoeptola* n. gen.
- 105983 JANMOULLE, E. Species new to Belgian fauna. (Fr) Lambillionea 62(3/6):39-40. (Cont.) June 25,1962. 420 N15
- 105984 JENSEN, H. K. *Adela ochsenheimerella* Hb; a moth new to Danish fauna. (Da) Flora og Fauna 70(2):34. June 1964. 410 F662
- 105985 KAABER, S. On the necessity for primary source criticism in entomological faunistics. (Da) Flora og Fauna 70(2):45-56, map. Ref. June 1964. 410 F662  
Misidentification of certain Lepidoptera erroneously included in the Danish fauna.
- 105986 KAMANO, S. The influence of photoperiod on the growth of smaller *Oraesia* moth. (Ja) Jap. J. Appl. Ent. & Zool. 7(4):351-353. Dec.1963. 475 J27  
*Calpe emarginata*.
- 105987 KASY, F. The male of *Coleophora pseudorepentis* Toll 1960. (Ge) Nathist. Mus. Wien. Ann. 66:357-359. 1962, pub.1963. 410.9 V672



- 105988 KASY, F. Results of the zoological expedition to Nubia 1962. XIII. Lepidoptera: Noctuidae-Quadrifinae, Lasiocampidae, Sphingidae, Arctiidae. (Ge) Nathist. Mus. Wien. Ann. 66:463-467. 1962, pub. 1963. 410.9 V672
- 105989 KEJI, J. A. Coenonympha in Essex County, New York. Lepidopterists' Soc. J. 17(3):158. Dec. 30, 1963. 421 L554  
Coenonympha tullia inornata.
- 105990 KETTLEWELL, H. B. D. Natural history and air pollution; the indirect effects that soot deposits on trees evoke in certain insects provide indications of air pollution in areas where previously it has been disregarded. New Sci. 22 (385):34. Apr. 2, 1964. 472 N42  
Melanism in Lepidoptera.
- 105991 KHOT'KO, E. I. Structure and discerning forms of noctuid moth pupae of the genus Harmodia Hbn. (Lepidoptera, Noctuidae). (Rus) Zool. Zhur. 42(10):1494-1500. 1963. 410 R92  
English summary.
- 105992 KOLYER, J. M. Note on rates of drying and relaxation of specimens. Lepidopterists' Soc. J. 17(3):178-180. Dec. 30, 1963. 421 L554  
Lepidoptera.
- 105993 KONIKOV, A. S., PLATONOVA-CHERNYSHEVA, L. V., and KONDAKOV, YU. P. Ecological and physiological peculiarities of diapause and hibernation of larvae of Siberian silkworm. (Rus) In Akademiya Nauk. SSSR. Lesa i Drevesiny. Zashchita lesov Sibiri ot nasekomykh-vreditelei, p. 78-84. Ref. 1963. 423 Ak13  
Dendrolimus sibiricus.
- 105994 KUHNERT, H. Butterflies of the lowland forest. (Ge) Ent. Z. 74(7):73-79. Apr. 1, 1964. 421 En85
- 105995 KUNNERT, R. Lepidopteran observations in the year 1963. (Ge) Ent. Z. 74(6):57-63. Mar. 15, 1964. 421 En85  
Germany.
- 105996 KUO, F., and others. Studies on the reproduction of the armyworm, *Leucania separata* Walker (Lepidoptera, Noctuidae). I. The biological characteristics of adults. (Ch) Acta Ent. Sinica 12(5/6):565-577. Ref. Nov. 1963. 421 K96  
C. N. Wu, H. L. Ts'ai, and C. L. Liu, joint authors.  
English summary.
- 105997 KURSTAK, E. The course of infection by *Bacillus thuringiensis* Berl. of *Ephestia kuehniella* Zell. released by the parasitism of *Nemeritis canescens* Grav. (Ichneumonidae). (Fr) Acad. des Sci. Compt. Rend. 259(1):211-212. July 6, 1964. 505 P21
- 105998 KUSHWAHA, K. S., SHARMA, J. C., and SHARMA, L. S. Common lepidopteran fauna of Udaipur (Rajasthan). 1. Butterflies. Indian J. Ent. 25(2):141-146. Ref. June 1963. 420 In23  
Food and host plants.
- 105999 LAEVER, E. DE. New species for Belgium; *Cosymbia pupillaria* Hubner. (Fr) Lambillionea 62(3/6):18. June 25, 1962. 420 N15
- 106000 LAEVER, E. DE. Noctua (Lampra) interposita (Hubner) good species. (Fr) Lambillionea 62(3/6):18-19. June 25, 1962. 420 N15
- 106001 LAINE. Interesting catches (Nymphalidae and Noctuidae). (Fr) Alexanor 3(4):165. 1963. 421 AL2  
*Araschnia levana*, *Vanessa cardui* and *Phytometra orichalcea* in France.
- 106002 LEDERER, G., and KUNNERT, R. Contribution to the Lepidoptera fauna of the Central Rhine and surrounding area. (Ge) Ent. Z. 73(23):262-268. (Cont.) Dec. 1, 1963. 421 En85
- 106003 LEDERER, G. On *Hybocampa milhauseri* (Lep., Notodontidae). (Ge) Ent. Z. 74(4):42-45; (5):49-55. Feb. 15-Mar. 1, 1964. 421 En85  
Biology.
- 106004 LEDERER, G., and KUNNERT, R. Two pupae in an *Automeris leucane* cocoon (Lep., Saturn.). (Ge) Ent. Z. 73(22):252-253. Nov. 15, 1963. 421 En85
- 106005 LESSE, H. DE. List of the French *Erebina* (Nymphalidae Satyrinae). (Fr) Alexanor 3(3):127-136, map. 1963. 421 AL2
- 106006 LESSE, H. DE. A new subspecies of *Agrodiaetus altivagans* Forster (Lep. Lycaenidae). (Fr) Alexanor 3(4):167-168. 1963. 421 AL2
- 106007 LIU, C. L., and FU, Y. L. The types of hemocytes and their pathological modifications in *Pseudaletia separata* (Walker) (Lepidoptera: Noctuidae). (Ch) Acta Ent. Sinica 13(4):542-551. Ref. July 1964. 421 K96  
English summary.
- 106008 LIU, S. S., and CHIN, C. T. Oxidative phosphorylation and respiratory control in the mitochondria isolated from the flight muscle of the armyworm moth, *Pseudaletia separata* Walk. (Ch) Acta Ent. Sinica 13(3):461-465. Ref. May 1964. 421 K96
- 106009 LU, C. J. On the specialized seta, bothriotrichium, on the larvae of the army worm, *Pseudaletia separata* (Walker). (Ch) Acta Ent. Sinica 13(1):67-75. Ref. Jan. 1964. 421 K96  
English summary.
- 106010 LU, K. H., and WANG, P. Y. Studies on the fibroin biosynthesis in the silkworm (*Attacus ricini*). (Ch) Acta Biol. Expt. Sinica 8(3/4):301-322. Ref. Dec. 1963. 442.8 Ac85  
English summary.
- 106011 LYSENKO, O. The mechanisms of pathogenicity of *Pseudomonas aeruginosa* (Schroeter) Migula. I-IV. J. Insect Path. 5(1):78-97. Ref. Mar. 1963. 421 J826  
In *Galleria mellonella*.
- 106012 MADSEN, N. *Nycteola* (*Sarothripus*) *asiatica* Krul. (Lep. Noct.) found in Denmark. (Da) Flora og Fauna 70(2):57-58. June 1964. 410 F662
- 106013 MARCUS, W. Contributions to the developmental physiology of the body cuticle of *Galleria mellonella* L. (Ge) Deut. Zool. Gesell. Verhandl. 1962:168-180. 1963. 410.9 D48
- 106014 MENG, S. W. Preliminary observations on the life history and habits of *Cephonodes hylas* Linne (Lepidoptera, Sphingidae). (Ch) Acta Ent. Sinica 12(5/6):713-714. Nov. 1963. 421 K96
- 106015 MENON, M. G. R. An easy method of mounting butterfly and other insect wings for quick field identification and cheap reproduction as plate drawings. Indian J. Ent. 25(2):174-176. June 1963. 420 In23
- 106016 MEYER, J. H. On the sexual affinity of *Smerinthus ocellata* and *S. planus* (Lep., Sphingidae). (Ge) Ent. Z. 74(4):37-39. Feb. 15, 1964. 421 En85
- 106017 MOUCHA, J., and CHVALA, M. A new name for the preoccupied name *Thecophora Lederer*, 1857 (Noctuidae). Lepidopterists' Soc. J. 17(3):169-170. Dec. 30, 1963. 421 L554  
*Rileyiana nomen novum*.
- 106018 MYERS, A. A. A new aberration of *Hadena thalassina* Rottemberg (1776), (Lep., Noctuidae). Entomologist 97(1214):165. July 1964. 421 En8
- 106019 NAKATA, M. Notes on the natural enemies of larvae and pupae of *Pieris melete* Menetries injurious to *Eutrema wasabi*. (Ja) Jap. J. Appl. Ent. & Zool. 7(4):348-349. Dec. 1963. 475 J27
- 106020 NEWCOMER, E. J., and ROGERS, W. H. Notes on *Boloria selene* (Nymphalidae) in the Pacific Northwest. Lepidopterists' Soc. J. 17(3):171-172. Dec. 30, 1963. 421 L554
- 106021 OBARA, Y., and HIDAKA, T. Mating behavior of the cabbage white, *Pieris rapae crucivora* L. The "flutter response" of the resting male to flying males. (Ja) Zool. Soc. Japan. Zool. Mag. 73(5):131-135. May 1964. 410.9 T57  
English summary.
- 106022 OBRAZTSOV, N. S. Die Gattungen der palaearktischen Tortricidae. II. Die Unterfamilie Olethreutinae. 5. [The genera of the Palearctic Tortricidae. II. The subfamily Olethreutinae. 5]. Tijdschr. v. Ent. 107(1), 48 p. 1964. 421 T21  
Includes *Thiodiodes* n. g.
- 106023 OLIVIER, R. *Gnophos furvata* Schiff. on the lower Seine (Geometridae). (Fr) Alexanor 3(3):98-103, map. 1963. 421 AL2
- 106024 OWEN, D. F., and ADAMS, M. S. The evolution of melanism in a population of *Catocala ilia* (Noctuidae). Lepidopterists' Soc. J. 17(3):159-162. Dec. 30, 1963. 421 L554



- 106025 PEKING, F. Breeding of *Issoria lathonia* and its results (Lep., Nymphalidae). (Ge) Ent. Z. 74(9):102-104. May 1, 1964. 421 En85
- 106026 PEKING, F. On the biology and rearing of *Crocallis tusciaria* (Lep., Geometridae). (Ge) Ent. Z. 74(6):63-65. Mar. 15, 1964. 421 En85
- 106027 PEKING, R. On the successful rearing of *Aglia tau* (Lep., Saturniidae). (Ge) Ent. Z. 74(10):118-119. May 15, 1964. 421 En85
- 106028 PENA, L. E. Explorations in the mountains of Antofagasta; strange birds, rare butterflies and plants observed. (Sp) Santiago Chile. Univ. Catolica. Rev. Univ. 47(52):209-217. 1962, pub. 1963. 516 Sa56
- 106029 PLANEIX, P. *Gonepteryx cleopatra* L. captured in Mont-Dore (Pieridae). (Fr) Alexanor 3(4):165-166. 1963. 421 AL2
- 106030 PRASERTPHON, S. Pathogenicity of different strains of *Entomophthora coronata* (Costantin) Kevorkian for larvae of the greater wax moth [*Galleria mellonella*]. J. Insect Path. 5(2):174-181. Ref. June 1963. 421 J826
- 106031 PROTA, U. A new entomogenous fungus: *Aspergillus ustus* (Bain.) Thom et Church, parasite of the larvae of *Heliozela stanneella* F. v. R. (Lepidoptera-Heliozelidae). (It) Studi Sassaesi. Sez. III, 10:1-20. Ref. 1962, pub. 1963. 507 Sa7Sa  
English summary.
- 106032 PRZELECKA, A. Cytochemical investigations on lipid assimilation by the caterpillars *Galleria mellonella* L. Pol. Biol. [Warsaw] 11(3):353-416. Ref. 1963. 442.8 F71
- 106033 PULLIAINEN, E. On *Actebia fennica* Tausch. (Lep., Noctuidae), its biology and occurrence in Eastern Fennoscandia. Suomen Hyonteistieteellinen Aikakausk. 29(1):52-68, map. Ref. 1963. 421 Su7
- 106034 RAO, P. R. N., SESHU, K. A., and SEBASTIAN, N. T. Influence of meteorological factors on the emergence of stem-borer moth [*Tryporyza incertulas*]. Rice-News Teller 12(1):26-27. Jan./Mar. 1964. 59.8 R366
- 106035 RAUN, E. S., and BROOKS, D. L. Bacterial pathogens in Iowa corn insects. J. Insect Path. 5(1):66-71. Ref. Mar. 1963. 421 J826  
*Ostrinia nubilalis*, *Agrotis ipsilon*, and *Heliothis zea*.
- 106036 RAZOWSKI, J. Tortricidae (Lepidoptera) from Iran. Acta Zool. Cracoviensia 8(5), 27 p. Ref. Nov. 15, 1963. 410 Ac86  
Includes n. spp. in *Eucosma*, *Gypsonoma*, *Zeiraphera*, *Epinotia*, *Stenodes*, *Euxanthoides*, *Aethes*, *Diceratura* and *Cochylis*.
- 106037 ROSS, G. N., and LAMBREMONT, E. N. An annotated supplement to the State list of Louisiana butterflies and skippers. Lepidopterists' Soc. J. 17(3):148-158. Ref. Dec. 30, 1963. 421 L554
- 106038 SAHLER, J. Portable electric light for collecting Heterocera. (Fr) Alexanor 3(4):183-187. 1963. 421 AL2
- 106039 SATO, Y. A simple technique for mass rearing of the rice stem borer [*Chilo suppressalis*] on rice seedlings. (Ja) Jap. J. Appl. Ent. & Zool. 8(1):6-10. Mar. 1964. 475 J27  
English summary.
- 106040 SICHEL, G. List of Rhopalocera from the north-eastern part of Sicily in the collection of Istituto Nazionale di Entomologia [in Rome]. (It) Fragmenta Ent. 4(5):49-61. Mar. 1, 1963. 421 F84  
English summary.
- 106041 SLATER, W. *Cupido minimus* Fuessly and *Erynnis tages* L. in Banffshire. Entomologist 97(1214):152. July 1964. 421 En8
- 106042 SMIRNOFF, W. A. The formation of crystals in *Bacillus thuringiensis* var. *thuringiensis* Berliner before sporulation, at low-temperature incubation. J. Insect Path. 5(2):242-250. June 1963. 421 J826  
Isolated from *Choristoneura fumiferana*.
- 106043 SPEIGHT, J. The passing of *Ephestia kuhniella*. Milling 143(2):31-32. July 10, 1964. 298.8 M622  
Biology and habits and behavior.
- 106044 SRIVASTAVA, B. K., and MATHUR, L. M. L. Morphology of cephalic and prothoracic glands of the mature larva of *Prodenia litura* F. (Lepidoptera: Noctuidae). Indian J. Ent. 25(2):116-122. Ref. June 1963. 420 In23
- 106045 STEPHENS, J. M. Effects of active immunization on total hemocyte counts of larvae of *Galleria mellonella* (Linnaeus). J. Insect Path. 5(2):152-156. Ref. June 1963. 421 J826  
Against *Pseudomonas aeruginosa*.
- 106046 STEPHENS, J. M. Protective effects of several immunizing preparations that produce active immunity in *Galleria mellonella* (Linnaeus). J. Insect Path. 5(1):129-130. Mar. 1963. 421 J826  
Against *Pseudomonas aeruginosa*.
- 106047 SVEC, H. J. Laboratory rearing of the tomato hornworm, *Protoparce quinquemaculata* (Haworth). Canad. J. Zool. 42(4):717. July 1964. 470 C16D
- 106048 TADIC, M. D. The predators of *Hyphantria cunea* Dr. in America. (Se) Zastita Bilja 75:573-582. 1963. 464.8 Z1  
French summary.  
Chiefly Hemiptera and Salticidae.
- 106049 TAMAKI, Y. Studies on nutrition and metabolism of the smaller tea tortrix, *Adoxophyes orana* Fischer von Roslerstamm. IV. Jap. J. Appl. Ent. & Zool. 8(1):55-61. Ref. Mar. 1964. 475 J27
- 106050 TAMASHIRO, M., and HUANG, S. S. A cytoplasmic polyhedrosis of *Cactoblastis cactorum* (Berg). J. Insect Path. 5(3):397-399. Sept. 1963. 421 J826
- 106051 TANASLJEVIC, N. *Nephopteryx semirubella* Sc. and *Nomophila noctuella* Schiff. (Lepidoptera, Pyralidae), new pests of Lucerne in Yugoslavia. (Se) Zastita Bilja 75:533-534. 1963. 464.8 Z1  
English summary.
- 106052 TINDALE, N. B. Revision of the ghost moths (Lepidoptera Homoneura, family Hepialidae). VIII. So. Austral. Mus. Rec. 14(4):663-668. 1964. 514 So8  
Includes n. spp. in *Oxyzanus*.
- 106053 TITE, G. E. A revision of the genus *Candalides* and allied genera (Lepidoptera: Lycaenidae). Brit. Mus. (Nat. Hist.) B. Ent. 14(5):197-259. Ref. 1963. 420 B773  
Includes *Cyprotides* n. g., *Microscena* n. g., and n. spp. in *Holochila* and *Philiris*.
- 106054 TS'AI, P. H., and LIU, Y. C. A study of the genus *Dendrolimus* (Lasiocampidae) from Southwest China with descriptions of three new species and three new subspecies. (Ch) Acta Ent. Sinica 13(2):240-248. Mar. 1964. 421 K96  
English summary.
- 106055 TSAO, M. H., CHOU, K. C., and CHIANG, T. C. Studies on the effects of juvenile hormone on the pupae of polyvoltine eri-silkworm, *Attacus ricini*. (Ch) Acta Biol. Expt. Sinica 8(3/4):538-547. Ref. Dec. 1963. 442.8 Ac85  
English summary.
- 106056 TU, C. W., and TSAI, W. C. A preliminary report on photoperiodism of *Ostrinia nubilalis* in Kiangsu. (Ch) Acta Ent. Sinica 13(1):129-132. Jan. 1964. 421 K96
- 106057 VAGO, C., FOSSET, J., and MEYNADIER, G. Lines of Lepidoptera free from viroses. (Fr) Rev. de Path. Veg. et d'Ent. Agr. de France 42(2):99-106. Ref. 1963. 464.9 Sol  
German summary.  
Laboratory rearing of virus free lines.
- 106058 VIETTE, P. Descriptions of some new Microlepidoptera from Madagascar and Comoro Islands. (Fr) Lambillionia 62(3/6):23-30. June 25, 1962. 420 N15  
Includes n. spp. in *Herbulotiana*, *Hyalochna*, *Ethmia* and *Eremothyris*.
- 106059 WANG, P. Y. Occurrence of Indian meal moth, *Plodia interpunctella* (Hubner) as a new field pest of jujube in Peking with notes on its biology. (Ch) Acta Ent. Sinica 13(4):628-631. July 1964. 421 K96
- 106060 WARREN, R. G. *Thera juniperata* L. (Lep., Geometridae) in Warwickshire. Entomologist 97(1214):152. July 1964. 421 En8

- 106061 WARREN, R. G. *Ypsolophus sequellus* Clerck in the North Midlands. *Entomologist* 97(1214): 152. July 1964. 421 En8  
Food and host plants.
- 106062 WENZEL, G. On the hunt for *L. achine* and *M. dryas* (Lep., Satyridae). (Ge) *Ent. Z.* 74(8):89-91. Apr. 15, 1964. 421 En85
- 106063 WILLIAMS, G. C. The life-history of the indian meal-moth, *Plodia interpunctella* (Hubner) (Lep. Phycitidae) in a warehouse in Britain and on different foods. *Ann. Appl. Biol.* 53(3):459-475. Ref. June 1964. 442.8 An72
- 106064 YAGI, N. Estimation of activities of moths by structures of the compound eye—the method of application for practical use. (Ja) *Jap. J. Appl. Ent. & Zool.* 7(4):316-320. Dec. 1963. 475 J27  
English summary.
- 106065 YANG, C. K. Notes on some new species of Chinese Noctuidae. (Ch) *Acta Ent. Sinica* 13(3):455-460. May 1964. 421 K96  
English summary.  
Includes n. spp. in *Jambia* and *Chasminodes*.
- 106066 ZAJIC, J. E. The formation of pigments by *Beauveria bassiana* (Balsamo) Vuillemin in the presence of aryl amines. *J. Insect Path.* 5(1): 16-27. Ref. Mar. 1963. 421 J826  
Pathogenicity tested on *Estigmene acrea*.
- 106067 ZIVOJINOVIC, S., and VASIC, K. First contribution to the knowledge of a new pest of our oak forests—*Antheraea yamamai* Guer (Lepidoptera, Saturniidae). (Se) *Zastita Bilja* 75:491-508. 1963. 464.8 Z1  
English summary.
- Orthoptera**
- 106068 BAYRAMOGLU-ERGENE, S. Investigations on the influence of the ocelli on the flight speed of the desert locust *Schistocerca gregaria*. (Ge) *Z. f. Vergleichende Physiol.* 48(4):467-480. Ref. 1964. 444.8 Z3
- 106069 BENZ, G., and BORUSIEWICZ, K. A method for the differential staining of spores and parasporal bodies of *Bacillus thuringiensis* Berliner, and *Bacillus fribourgensis* Wille. *J. Insect Path.* 5(3):393-394. Sept. 1963. 421 J826  
Milky disease in *Melolontha melolontha*.
- 106070 CARLISLE, D. B., and ELLIS, P. E. Effect of 2-chloro-ethanol on maturation of locusts [*Schistocerca gregaria*]. *J. Endocrinol.* 30(1): 153-154. Aug. 1964. 448.8 J8293
- 106071 CARLSON, J. G., and GAULDEN, M. E. Grasshopper neuroblast techniques. In Prescott, D. M., ed. *Methods in cell physiology*, v.1, p. 229-276. Ref. 1964. 442 P92  
*Chortophaga viridifasciata*.
- 106072 CHAHAL, P. S., and SOHI, G. S. Bionomics of *Chrotogonus trachypterus* Blanchard (Acrididae: Orthoptera). *Indian Cotton Growing Rev.* 18(3):152-158. Ref. May 1964. 72.8 In23  
Field crop pest.
- 106073 CHANG, S. M., and WANG, K. The life history of some common acridids from Kiangsi. (Ch) *Acta Ent. Sinica* 12(5/6):707-710. Nov. 1963. 421 K96
- 106074 CH'EN, Y. L. Results of entomological expedition to Tibet, 1960-1961 (Orthoptera, Acrididae). (Ch) *Acta Ent. Sinica* 13(3):407-413. Ref. May 1964. 421 K96  
English summary.  
Includes n. spp. in *Tibetacris* n. g.
- 106075 CORBEL, J. C. Experimental infestations of *Locusta migratoria* L. (Orthoptera) by *Gregarina garnhami* Canning (Sporozoa, Gregarimorpha): relation between the cycle of the host and that of the parasite. (Fr) *Acad. des Sci. Compt. Rend.* 259(1):207-210. July 6, 1964. 505 P21
- 106076 DIRSH, V. M. Three new genera and species of the family Pneumoridae (Orth. Acridoidea). *Eos* 39(1/2):177-184. June 30, 1963. 421 Eo7  
New species in *Parabullacris* n. g., *Pneumoracris* n. g., and *Paraphysemacris* n. g. from the Republic of South Africa.
- 106077 DUDLEY, B. The effects of temperature and humidity upon certain morphometric and colour characters of the desert locust (*Schistocerca gregaria* Forskal) reared under controlled conditions. *Roy. Ent. Soc. London. Trans.* 116(6): 115-129. Ref. July 21, 1964. 420 L84
- 106078 FUZEAU-BRAESCH, S. Radioisotope study of tegumentary pigmentation in insects. (Fr) *Symp. Use Appl. Radioisotopes Radiation Contr. Plant Anim. Insect Pests. Proc.*, 1963 *Symp.*: 289-297. 423.9 In82  
Autoradiography of *Gryllus bimaculatus* and *Locusta migratoria*  
Includes discussion.
- 106079 GUTHRIE, D. M. Observations on the nervous system of the flight apparatus in the locust *Schistocerca gregaria*. *Q. J. Micros. Sci.* 105(2):183-201. Ref. June 1964. 440.8 Q2
- 106080 HEWITT, G. M. A tetrasomic mosaic in the germ line of *Chorthippus parallelus*. *Heredity* 18(4):505-512. Ref. Nov. 1963. 443.8 H42
- 106081 HUANG, L. W., and MA, S. C. A preliminary study on the biological characteristics of the oriental migratory locust (*Locusta migratoria manilensis* (Meyen)) in different phases. (Ch) *Acta Ent. Sinica* 13(3):329-338. Ref. May 1964. 421 K96  
English summary.
- 106082 HUFF, C. G., and WEATHERSBY, A. B. Cytological studies on parasites and host cells. In Rose, G. G., ed. *Cinemicrography in cell biology*, p.411-427. Ref. 1963. 440 R72  
Flagellates of *Cryptocercus punctulatus* and *Plasmodium falciparum* and *P. vivax* in mosquitoes.
- 106083 JONES, M. D. R. Inhibition and excitation in the acoustic behaviour of Pholidoptera [griseoaptera]. *Nature [London]* 203(4942):322-323. July 18, 1964. 472 N21
- 106084 KAMON, E., and SHULOV, A. Estimation of locust resistance to scorpion venom. *J. Insect Path.* 5(2):206-214. Ref. June 1963. 421 J826  
*Locusta migratoria migratorioides* with venom of *Leiurus quinquestratus*.
- 106085 KEVAN, D. K. M. A note on the Borneacridinae (Orth. Acridoidea). *Eos* 39(1/2):279-283. Ref. June 30, 1963. 421 Eo7  
Taxonomy.
- 106086 KEVAN, D. K. M., and AKBAR, S. S. Three new genera of flightless Pyrgomorphini erected on the basis of their phallic structures (Orth. Acridoidea). *Eos* 39(3/4):405-422. Dec. 31, 1963. 421 Eo7  
Includes *Pyrgomorphula* n. g., *Phymelloides* n. g., and *Afrosphenella* n. g.
- 106087 KUNDU, H. L., and MATHUR, L. M. L. Morphometric studies on certain acridids. *Indian J. Ent.* 25(2):161-171. Ref. June 1963. 420 In23  
*Acrotylus lumbertinus* and *Spathosternum prasiniferum*.
- 106088 LA GRECA, M. On the significance of presence of brachypterous forms in the entomological populations of high mountains. (It) *Deut. Zool. Gesell. Verhandl.* 1962:664-672. Ref. 1963. 410.9 D48  
Orthoptera and Coleoptera in Italy.
- 106089 LENSINK, B. M. Distributional ecology of some Acrididae (Orthoptera) in the dunes of Voorne, Netherlands. *Tijdschr. v. Ent.* 106(8): 357-443. Ref. 1963. 421 T21
- 106090 LIEN, W. N. Preliminary notes on the seasonal fluctuations of three species of cockroaches. (Ch) *Acta Ent. Sinica* 12(5/6):664-669. Nov. 1963. 421 K96  
English summary.  
*Periplaneta americana*, *P. emarginata*, and *Eupolyphaga sinensis* studied.
- 106091 MCFARLANE, J. E. Interaction between two species of crickets reared together. *Canad. J. Zool.* 42(4):689-691. July 1964. 470 C16D  
Physiology in *Acheta domesticus* and *Gryllobates sigillatus*.
- 106092 MCFARLANE, J. E. The protein requirements of the house cricket, *Acheta domesticus* L. *Canad. J. Zool.* 42(4):645-647. July 1964. 470 C16D
- 106093 MCFARLANE, J. E. The standing cercus. *Canad. J. Zool.* 42(4):715. July 1964. 470 C16D  
*Acheta domesticus*.



- 106094 MCGRATH, R. A., LEACH, W. M., and CARLSON, J. G. A squash technique for autoradiography of grasshopper neuroblasts. Roy. Micros. Soc. J. (ser.3)82(1):55-56. 1963, pub. 1964. 440.9 R81J
- 106095 MATSUDA, K. Some effects of 5-bromouracil upon the meiotic chromosomes of the grasshopper, *Podisma sapporensis*. (Ja) Jap. J. Genet. 38(4):305-308. Jan. 1964. 442.9 J27 English summary.
- 106096 MORIKAWA, O. Toxic properties of nematocides to American cockroach [*Periplaneta americana*]. (Ja) Jap. J. Appl. Ent. & Zool. 8(1):1-5. Mar. 1964. 475 J27 English summary.
- 106097 PASSAMA-VUILLAUME, M. On the green pigmentation of *Mantis religiosa* L. (Fr) Acad. des Sci. Compt. Rend. 258(26):6549-6552. Ref. June 29, 1964. 505 P21
- 106098 RAGGE, D. R. The male of *Apoecides mada-gascariensis* Bolivar (Orth. Tettigoniidae). Eos 39(3/4):445-447. Dec. 31, 1963. 421 Eo7
- 106099 RAKSHPAL, R. Oxygen consumption in relation to age in the male and female *Gryllus veletis* (Alexander and Bigelow) (Orthoptera: Gryllidae). Indian J. Ent. 25(2):136-140. Ref. June 1963. 420 In23
- 106100 ROSAS COSTA, J. A. Apropos the genus *Paralcamenes* Bolivar 1909 (Orth. Acridoidea). (Sp) Eos 39(1/2):307-311. June 30, 1963. 421 Eo7 Taxonomy.
- 106101 SCHIN, K. S., and SCHLOTE, F. W. Differentiation of spermatids and form change of chromatin in *Gryllus domesticus*. (Ge) Deut. Zool. Gesell. Verhandl. 1962:118-130. Ref. 1963. 410.9 D48
- 106102 SHARMA, G. P., PARSHAD, R., and GUPTA, M. L. On the seasonal variation in the mean chiasma frequency per nucleus in the wild population of *Chrotogonus trachypterus* (Blanchard) (Orthoptera: Acridoidea: Pyrgomorphidae). Panjab U. Res. B. (n.s.)14(3/4):313-315. Dec. 1963. 513 Ea72
- 106103 SHULOV, A., and PENER, M. P. Studies on the development of eggs of the desert locust (*Schistocerca gregaria* Forskal) and its interruption under particular conditions of humidity. London. Anti-Locust Res. Cent. Anti-Locust B. 41, 59 p. Ref. 1963. 420 B772A
- 106104 VARSHNEY, R. K. On the taxonomy, measurements and locality of *Phlaeoba panteli* Bol. Allahabad Farmer 37(6):41. Nov. 1963. 22 AL5
- 106105 WEIDNER, H. *Discoptilia fragosoi* (I. Bolivar, 1885) from a cave of South Anatolia (Orthoptera: Gryllidae). (Ge) Deut. Ent. Gesell. Mitt. 23(1):17-20. Ref. Feb. 29, 1964. 420 D482
- 106106 WEIS-FOGH, T. Biology and physics of locust flight. VIII. Lift and metabolic rate of flying locusts [*Schistocerca gregaria*]. J. Expt. Biol. 41(2):257-271. Ref. June 1964. 442.8 B77
- 106107 WEIS-FOGH, T. Functional design of the tracheal system of flying insects as compared with the avian lung. J. Expt. Biol. 41(2):207-227. Ref. June 1964. 442.8 B77 Chiefly *Schistocerca gregaria* and *Odonata*.
- 106108 YU, P. Y., and LU, C. J. The skeletal and muscular system of *Locusta migratoria manilensis*. II. The thorax. (Ch) Acta Ent. Sinica 13(4):510-535. July 1964. 421 K96
- Smaller Orders**
- 106109 ABUSHAMA, F. T. Electro-physiological investigation on the antennal olfactory receptors of the moist-wood termite, *Zootermopsis angusticollis* (Emerson). Entomologist 97(1214):148-150. July 1964. 421 En8
- 106110 AUBERT, J. The Plecoptera of the Iberian Peninsula. (Fr) Eos 39(1/2):23-107, map. Ref. June 30, 1963. 421 Eo7
- 106111 BEAMENT, J. W. L., NOBLE-NESBITT, J., and WATSON, J. A. L. The waterproofing mechanism of arthropods. III. Cuticular permeability in the firebrat, *Thermobia domestica* (Packard). J. Expt. Biol. 41(2):323-330. Ref. June 1964. 442.8 B77
- 106112 BEARDSLEY, J. W. The Cuban laurel thrips, [*Gynaikothrips ficorum*] another new immigrant insect pest in the Hawaiian Islands. Hawaii Farm Sci. 13(2):4. Apr. 1964. 100 H314 On *Ficus*, chiefly *F. retusa*.
- 106113 BERTHELEMY, C. The autumnal Protoneura (Plecoptera) of the Pyrenees. (Fr) Toulouse. Soc. d'Hist. Nat. B. 98(1/2):275-286. Ref. First/Second Q. 1963. 505 T64 Includes n. spp.
- 106114 BHATNAGAR, R. D. S. The life-history, growth and transformation in the earwig *Labidura riparia* (Pallas) (Dermaptera: Labiduridae). Panjab U. Res. B. (n.s.)14(3/4):225-229. Dec. 1963. 513 Ea72
- 106115 BILEK, A. Color retaining preparation of dragonflies. (Ge) Ent. Z. 74(6):69-70. Mar. 15, 1964. 421 En85
- 106116 BOURNIER, A. A new pest injuring citrus in North Africa: Thrips major Uzel. (Fr) Rev. de Path. Veg. et d'Ent. Agr. de France 42(2):119-125. 1963. 464.9 So1 English summary.
- 106117 CASSAGNAU, P. The Collembola of North Africa with a study of some species found in the region of Bone (North Constantine). (Fr) Toulouse. Soc. d'Hist. Nat. B. 98(1/2):197-206. Ref. First/Second Q. 1963. 505 T64 Includes n. spp. in *Proctostephanus* and *Onychiurus*.
- 106118 CHIAROMONTE, A. Entomological ramblings. IV. For a correct nomenclature of termites. (It) Riv. di Agr. Subtrop. e Trop. 58(1/3):114-116. Jan./Mar. 1964. 26 Ag82 English summary. The genus *Termes* is feminine gender.
- 106119 CHOU, Y., and YANG, C. K. Studies on *Protura*. (Ch) Acta Ent. Sinica 13(2):249-277. Ref. Mar. 1964. 421 K96 English summary. New species in *Acerentulus*, and *Eosentomon*.
- 106120 CLAY, T. Mallophaga (Insecta). I. Nat. Hist. Rennell Island. Brit. Solomon Islands 2:143-149. 1959. 409 N216
- 106121 DERYLO, A. Preliminary communication on studies of Mallophaga of rapacious birds in Lublin Province. (Pol) Wiad. Parazytol. 10(1):89-90. 1964. 436.8 W63
- 106122 GASSNER, G. Notes on the biology and immature stages of *Panorpa nuptialis* Gerstaecker (Mecoptera: Panorpidae). Tex. J. Sci. 15(2):142-154. June 1963. 470 T31 Texas.
- 106123 HAESELBARTH, E. A note on the differences between *Listropsylla chelura* Rothschild and *L. cerrita* Jordan, with description of two new subspecies (Siphonaptera, Hystrichopsyllidae). Nov. Taxa Ent. 31, 18 p., map. Nov. 1963. 421 N853
- 106124 HARRIS, W. V. Isoptera from Rennell Island. Nat. Hist. Rennell Island. Brit. Solomon Islands 2:25-30. Ref. 1959. 409 N216
- 106125 HOPPENHEIT, M. Observations on the prey-capturing behavior of the larva of *Aeschna cyanea* Muell. (Odonata). (Ge) Zool. Anz. 172(3):216-232. Ref. Mar. 1964. 410 Z7
- 106126 JACQUEMART, S. Un trichoptère nouveau de Chypre: *Stactobia monnioti* sp. n. (Hydroptilidae) [A new Trichoptera from Cyprus: *Stactobia monnioti* n. sp. (Hydroptilidae)]. Inst. Roy. des Sci. Nat. de Belg. B. 39(13), 9 p. Ref. Sept. 1963. 504 B835B
- 106127 JOHNSON, C. Breeding structure in populations of the Odonata. Tex. J. Sci. 15(2):171-183. Ref. June 1963. 470 T31
- 106128 JOHNSON, C. Seasonal ecology of *Ischnura damula* Calvert (Odonata: Coenagrionidae). Tex. J. Sci. 16(1):50-61. Mar. 1964. 470 T31
- 106129 KIMMINS, D. E. Odonata, Neuroptera and Trichoptera. Nat. Hist. Rennell Island. Brit. Solomon Islands 2:67-70. 1959. 409 N216
- 106130 KIMMINS, D. E. On the Leptocerinae of the Indian sub-continent and north east Burma (Trichoptera). Brit. Mus. (Nat. Hist.) B. Ent. 14(6):261-316. Ref. 1963. 420 B773 Includes *Athripsodina* n. g. and n. spp. in *Trienodes*, *Adicella*, *Athripsodes*, *Tagalopsyche*, *Setodes*, *Mystacides*, *Nietnerella* n. g., *Oecetis*, and *Leptocerus*.

- 106131 KIMMINS, D. E. On the Trichoptera on Nepal. Brit. Mus. (Nat. Hist.) B. Ent. 15(2):35-55. 1964. 420 B773  
Includes n. spp. in Synagapetus, Nepaloptila n. g., Chimarra, Diplectrona, Madioxyethira, Stactobia, Psilotreta, Uenoa, and Adinarthrum.
- 106132 KNECHTEL, W. K. Thysanoptera of the upper region of the Teleajia Valley. (Rum) Bucharest. Acad. Repub. Pop. Romine. Comun. 13(12):1055-1061. Dec. 1963. 512 B8522C  
German summary.
- 106133 LAN, H. AN DER. Latest on the animal life of the region of perpetual snow. (Ge) Deut. Zool. Gesell. Verhandl. 1962:673-678. Ref. 1963. 410.9 D48  
Isotoma saltans (Collembola) in the Alps.
- 106134 LI, K. C., and WANG, T. C. A new species of the genus Stenoponia J. et R., 1911 (Siphonaptera: Hystrichopsyllidae). (Ch) Acta Ent. Sinica 13(4):619-623. July 1964. 421 K96  
English summary.
- 106135 LI, K. C., HSIEH, P. C., and WANG, T. C. A study on the classification of the stevensi group of genus Neopsylla from China (Siphonaptera: Hystrichopsyllidae), with descriptions of new species and subspecies. (Ch) Acta Ent. Sinica 13(2):212-230. Ref. Mar. 1964. 421 K96  
English summary.
- 106136 LONGFIELD, C. Some distribution records of the British dragonflies (Odonata), for the years 1962 and 1963. Entomologist 97(1214):145-146. July 1964. 421 En8
- 106137 MACLEOD, E. G. Comments on the proposed validation of Boriomyia Banks, 1905. Z.N.(S.) 1531. B. Zool. Nomencl. 21(3):193-195. Aug. 7, 1964. 410 B874  
Synonymy of Wesmaelius and Kimminsia.
- 106138 MACY, R. W. Life cycle of the digenetic trematode Pleurogenoides tener (Looss, 1898) (Lecithodendriidae). J. Parasitol. 50(4):564-568. Ref. Aug. 1964. 448.8 J824  
Includes development in dragonfly nymphs.
- 106139 MEAD-BRIGGS, A. R. The reproductive biology of the rabbit flea Spilopsyllus cuniculi (Dale) and the dependence of this species upon the breeding of its host. J. Expt. Biol. 41(2):371-402. Ref. June 1964. 442.8 B77
- 106140 MEINANDER, M. Coniopterygidae (Neuroptera) from Morocco. Notulae Ent. 43(3):92-109. Ref. 1963. 421 N84  
Includes n. spp. in Aleuropteryx, Coniopteryx, Semidalis, and Parasemidalis.
- 106141 MILL, P. J. Neural activity in the abdominal nervous system of aeschnid nymphs. Compar. Biochem. & Physiol. 8(2):83-98. Ref. Feb. 1963. 444.8 C73
- 106142 MILLER, P. L. Factors altering spiracle control in adult dragonflies: hypoxia and temperature. J. Expt. Biol. 41(2):345-357. Ref. June 1964. 442.8 B77  
Chiefly Ictinogomphus ferox.
- 106143 MILLER, P. L. Factors altering spiracle control in adult dragonflies: water balance. J. Expt. Biol. 41(2):331-343. Ref. June 1964. 442.8 B77  
Chiefly studied in Ictinogomphus ferox.
- 106144 NEGRU, S. Mallophaga new to the fauna of the Rumanian People's Republic. VII. (Rum) Bucharest. Acad. Repub. Pop. Romine. Comun. 13(11):989-993. Ref. Nov. 1963. 512 B8522C  
French summary.
- 106145 NORRIS, W. E., ARNOLD, C. R., and EDWARDS, S. W. Oxygen consumption by caddisfly [Trichoptera] larvae. Tex. J. Sci. 16(1):72-79. Ref. Mar. 1964. 470 T31  
Notiomyia ornata, Chimarra betteni and Cheumatopsyche comis.
- 106146 NYBOM, O. Further notes on the trichopterous fauna of Madeira. Notulae Ent. 43(3):114-117. 1963. 421 N84
- 106147 OZEKI, K. Studies on the ecdysial line of the earwig, Anisolabis maritima, during normal metamorphosis and that experimentally modified. Tokyo. U. Col. Gen. Educ. Sci. Papers 14 (1):101-113. June 1964. 330.9 T572
- 106148 PAJUNEN, V. I. Reproductive behaviour in Leucorrhinia dubia v. d. Lind. and L. rubicunda L. (Odon., Libellulidae). Suomen Hyonteistieteellinen Aikakausk. 29(2):106-118. Ref. 1963. 421 Su7
- 106149 PEUS, F. Fleas from the Mediterranean area (Insecta, Siphonaptera). V. Italy. (Ge) Zool. Beitr. 9(2/3):461-477. 1963. 410 Z753  
Includes list of hosts, Ctenophthalmus egregius n. sp., and Palaeopsylla hamata n. sp.
- 106150 PLATTNER, H. Odonata of southern Transylvania. (Rum) Bucharest. Acad. Repub. Pop. Romine. Comun. 13(11):969-976, map. Nov. 1963. 512 B8522C  
German summary.
- 106151 ST. QUENTIN, D. The infraspecific forms of Sympecma paedisca Brauer (order: Odonata). (Ge) Nathist. Mus. Wien. Ann. 66:381-383. 1962, pub. 1963. 410.9 V672
- 106152 SCHALLER, F. Observations on the snow flea Isotoma saltans (Nicolet 1841). (Ge) Deut. Zool. Gesell. Verhandl. 1962:679-682. 1963. 410.9 D48  
Habits and behavior.
- 106153 SCHALLER, F., and WOLTER, H. Structure and function of the piercing-sucking mouth parts of the Collembola. (Ge) Deut. Zool. Gesell. Verhandl. 1962:440-447. 1963. 410.9 D48
- 106154 SELGA, D. Contribution to the knowledge of the Arrhopalites of Spain (Collembola). (Sp) Eos 39(3/4):449-479. Ref. Dec. 31, 1963. 421 Eo7  
Includes n. sp.
- 106155 SINGH, S. B. A preliminary observation on the food and feeding habits of some Collembola. Entomologist 97(1214):153-154. July 1964. 421 En8  
Includes study of mouth parts.
- 106156 TANDAN, B. K. Mallophaga (Insecta). II. A new species of Ibdioecus Cummings, 1916. Nat. Hist. Rennell Island. Brit. Solomon Islands 2: 151-154. 1959. 409 N216  
Ibdioecus dianae n. sp.
- 106157 THOMSEN, B. H. Myrmeleon formicarius in Jutland. (Da) Flora og Fauna 70(2):59-60. June 1964. 410 F662
- 106158 TSAI, P. H., and CHEN, N. S. Problems on the classification and fauna of termites in China. (Ch) Acta Ent. Sinica 13(1):25-37, map. Jan. 1964. 421 K36  
English summary.  
Geographic distribution in China.
- 106159 WANG, C. J. Records of the male flea of Ne-arctopsylla (Chinopsylla) beklemschevi in China with morphological description. (Ch) Acta Ent. Sinica 13(4):624-627. July 1964. 421 K96
- 106160 WARREN, R. G. Territorial behaviour of Libellula quadrimaculata L. and Leucorrhinia dubia Van der L. (Odonata, Libellulidae). Entomologist 97(1214):147. July 1964. 421 En8
- 106161 WEIDNER, H. Results of the zoological expedition to Nubia 1962. V. Isoptera. (Ge) Nathist. Mus. Wien. Ann. 66:409-411. 1962, pub. 1963. pub. 1963. 410.9 V672
- 106162 WESTFALL, M. J. A new damselfly from the West Indies (Odonata: Protoneuridae). Fla. Acad. Sci. Q. J. 27(2):111-119. Ref. June 1964. 500 F66  
Protoneura viridis, n. sp.
- 106163 YANG, C. K. Notes on Coniopterygidae (Neuroptera). I. Genus Coniocompsa Enderlein 1905. (Ch) Acta Ent. Sinica 13(2):283-286. Ref. Mar. 1964. 421 K96  
English summary.  
Includes n. spp.
- 106164 YANG, C. K. Notes on the new subfamily Tridactylophaginae (Strepsiptera: Halictophagidae). (Ch) Acta Ent. Sinica 13(4):606-613. July 1964. 421 K96  
English summary.  
New species in Tridactylophagus and Tridactyloxenos n. g.



- 106165 YOKOE, Y. Cellulase activity in the termite, *Leucotermes speratus*, with new evidence in support of a cellulase produced by the termite itself. Tokyo. U. Col. Gen. Educ. Sci. Papers 14(1):115-120. Ref. June 1964. 330.9 T572
- 106166 YU, C. W., and PING, C. M. Studies on the faunal regions of Isoptera in China. (Ch) Acta Ent. Sinica 13(1):10-24, map. Ref. Jan. 1964. 421 K96  
English summary.
- 106167 YU, S. T., and PING, C. M. Systematics of Isoptera from China. I. Description of a new genus, *Operculitermes* (Rhinotermitidae, Heterotermitinae), with reference to its two new species and three new subspecies. (Ch) Acta Ent. Sinica 13(3):344-361. May 1964. 421 K96  
English summary.





## AGRICULTURAL ENGINEERING

References on bee-keeping equipment and malaria control equipment are classified with Entomology; references on forestry equipment with Forestry; references on industrial equipment with Agricultural Products; and references on irrigation equipment and drainage equipment with Soils.

## GENERAL AND MISCELLANEOUS

- 106168 AGUILO BONNIN, J. Organization, financing and development of the second Congreso Nacional de Ingenieria Agronomica. (Sp) Asoc. Nac. de Ingen. Agron. B. 148:17-20. Feb.1964. 58.9 As5  
Includes discussion.
- 106169 BIGGS, R. Fire on the prairie—today and yesterday. Canad. Cattlemen 27(8):6,22-23. Aug. 1964. 49 C16  
Canada.
- 106170 BURNETT, G. I. S. Water and farming. X. Making a simple plan of your farm. New Zeal. Meat Prod. 8(8):38-39. May 1.1964. 50.8 N48  
Layout.
- 106171 DREVER, J. G. J. Preventing accidents on the farm. Agr. Gaz. N. S. Wales 75(6):1082-1086. June 1964. 23 N472
- 106172 GALLWITZ, K. Roads for fully mechanized drainage work. (Ge) Landtechnik 19(14):522-524,526-527. July 15,1964. 58.8 L235
- 106173 LINDEMANN, G. Costs and expenses of various soil stabilization processes in agricultural road building. (Ge) Z. f. Agrarikon. 7(6):185-187. 1964. 281.8 Z3
- 106174 MATON, A. Scientific research in the field of rural engineering, in the service of the agriculture of the future. (Fr) Agricultura [Louvain] 17(5/6):617-632. May/June 1964. 13 R322
- 106175 NATIONAL SAFETY COUNCIL. Accident facts, 1964 edition. Chicago, 1964. 97 p.,map. 289.69 N21  
Farm accidents included.
- 106176 NOSTI NAVA, J. The need for and the fitness of a second Congreso Nacional de Ingenieria Agronomica. (Sp) Asoc. Nac. de Ingen. Agron. B. 148:9-11. Feb.1964. 58.9 As5
- 106177 PULGAR ARROYO, J. Topics and cardinal points of the second Congreso Nacional de Ingenieria Agronomica. (Sp) Asoc. Nac. de Ingen. Agron. B. 148:12-16. Feb.1964. 58.9 As5  
Includes discussion.
- 106178 ROQUERO DE LABURU, C. The First Congreso Nacional de Ingenieria Agronomica—its conclusions and accomplishments. (Sp) Asoc. Nac. de Ingen. Agron. B. 148:3-7. Feb.1964. 58.9 As5  
Includes discussion.
- 106179 RUIZ GARCIA, F. Aims and possible results of the second Congreso de Ingenieria Agronomica. (Sp) Asoc. Nac. de Ingen. Agron. B. 148:21-23. Feb.1964. 58.9 As5
- 106180 SAWYER, H. Farm roads in good repair. Gt. Brit. Min. Agr. Fisheries & Food. Agr. 71(7):331-335. July 1964. 10 G79J
- 106181 TANGANYIKA. MINISTRY OF LANDS, FORESTS AND WILDLIFE. SURVEY DIV. Annual report, 1963. n. p., 1964. 16 p.,map. 282.9 T1532  
Library has also report for 1962, published in 1963.
- 106182 ANDERSON, E. D., and SPILLMAN, C. K. Do engineered farmsteads cost or pay? Agr. Engin. 45(7):382-384,397. July 1964. 58.8 Ag83
- 106183 ASCANI, F. Agricultural mechanization in Lazio. (It) Roma Econ. 17(5):261-264. Ref. May 1964. 280.8 R66
- 106184 BANHAZI, D. Technical system of equipment maintenance and repair services. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:95-99. 1964. 20 M57  
Hungary.
- 106185 CERMAK, J. Economics of mechanized operations on sloping lands. (Cz) Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zemedel. Ekon. 36(11):635-648. Nov.1963. 281.9 C332  
German summary.
- 106186 CHIA, C. F. The carburizing repair of cast iron. (Ch) Nongye Jixie Jishu 12(69):7. Dec. 1963. 58.8 N922  
Repair of agricultural equipment.
- 106187 CHUNG-KUO NUNG YEH CHI HSEH HUA K'O HSUEH YEN CHIU YUAN TI WU SHIH I CHU TSU. Modern experimental test equipment for agricultural machinery. (Ch) Nongye Jixie Jishu 12(69):22-23. Dec.1963. 58.8 N922
- 106188 DAVIDENKO, I. YA, and MONASTYRSKAYA, M. M. Mechanization of flax. (Rus) Len i Konoplya 6:22-23. 1964. 73.8 L542
- 106189 DEBRECEN, HUNGARY. MEZOGAZDASAGI AKADEMIA. A tiszantuli termeloszovetkezetek gepesitesenek uzemgazdasagi kerdesei; 1961. december 14-15 -en tartott tudomanyos ulesszak anyaga [Management problems of mechanization of production cooperatives of Tiszanul; papers of the scientific meeting held on December 14-15, 1961]. Debrecen, 1962. 177 p.,map. 58 D352
- 106190 DENEUFBOURG, J. Problems posed by agricultural mechanization in the Ivory Coast. (Fr) Cameroun Agr. Past. et Forest. 71:61-65. Dec.1963/Jan.1964. 24 C353
- 106191 DRICOT, C. Agricultural mechanization and the E.T.A. (Fr) Agro-Serv. 3:103-107. (Cont.) May/June 1964. 385 Ag86  
Belgium; includes amortization table.
- 106192 EBERT, D. The influence of mechanization on corn yields and resulting demands in engineering. (Ge) Deut. Akad. der Landwirtwiss. Sitzber. 12(9):29-35. Ref. 1963. 18 D4825  
English summary.
- 106193 ENSMINGER, M. E. Is automation your key for more profits? Livestock Breeder J. 7(7):132, 134-136. July 1964. 49 L758  
Chiefly in livestock industry.
- 106194 EVERS, P. N. Equipment for sugar beet production. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(28):1014,1016,1018. July 9,1964. 18 N39
- 106195 FAESSLER, P. Use of machinery and manual labor on the modern farm. (Ge) Grune 92(30):949-958. July 24,1964. 17 Sch9  
Switzerland.
- 106196 FRIESSLEBEN, G. The influence of mechanization on potato yields and resulting demands in engineering. (Ge) Deut. Akad. der Landwirtwiss. Sitzber. 12(9):5-15. 1963. 18 D4825  
English summary.
- 106197 GLASS, M. R. What are your business's operating problems? Va. Polytech. Inst. Agr. Ext. Va. Farm Econ. 185:6-8. May/June 1964. 275.29 V813  
Farm equipment costs and returns.
- 106198 GONCZI, I. The characteristic and trend of mechanization in production cooperatives of Tiszanul. (Hu) In Debrecen, Hungary. Mezo-gazdasagi Akademia. A tiszantuli termeloszovetkezetek gepesitesenek uzemgazdasagi kerdesei, p.6-33,map. 1962. 58 D352
- 106199 GOODLAND, N. L. Cooperative use of equipment in England. (Sw) Lantmannen 75(9):222-223. Feb.29,1964. 11 L234
- 106200 GRAFIN, J., and SAFRIN, B. Mechanization of various agrotechniques in grape culture. (Fr) Off. Internatl. de la Vigne et du Vin. B. 37(400):590-600. June 1964. 390.8 B87  
Israel.
- 106201 GUIDE to current machinery prices. Farm Mech. 16(179):61,63,65,67,69-71. July 1964. 58.8 B772
- 106202 HANSEN, K. Mechanization of dairy barn work. (Da) Landbonyt 18(2):49-51. (Cont.) Feb.1964. 11 L2322
- 106203 HOPKIN, J. A. Lease or buy farm equipment. Agr. Banking & Finance 6(4):27-30. July/Aug. 1964. 284.8 B22

## FARM MACHINES AND EQUIPMENT

- 106204 HUA, K. C. The recent advances in repair technology. (Ch) Nongye Jixie Jishu 12(69):2-5. Dec.1963. 58.8 N922  
Repair of agricultural equipment.
- 106205 ISERMEYER, H. G. Status and development of machine circles. (Ge) Lohnunternehmen in Land- u. Forstwirtschaft. 19(6):148. June 15, 1964. 58.8 D81
- 106206 KADUSHIN, N. With the method of V. A. Svetlichnyi. (Rus) Tekh. v Sel'sk. Khoz. 6:4-8. June 1964. 58.8 M11  
Mechanization of sugar beets.
- 106207 KAMINSKI, T. L., and ZOERB, G. C. A new concept in bale elevator design. Can. Agr. Eng. 6(1):20-21, 28, 31. Jan. 1964. 58.8 C164
- 106208 KANAFOJSKI, C. The Instytut Mechanizacji i Elektryfikacji Rolnictwa. (Pol) Nauka Polska 11(5):103-116. Sept/Oct. 1963. 475 N223
- 106209 KANTOR, I. Management problems in poultry mechanization and rationalization. (Hu) In Debrecen, Hungary. Mezogazdasagi Akademia. A tiszantuli termeloszovetkezetek gepesitesenek uzemgazdasagi kerdesei, p.132-141. 1962. 58 D352
- 106210 KARLYUK, I. On prices of agricultural equipment. (Rus) Voprosy Ekon. 5:75-83. May 1964. 280.8 V89
- 106211 KNICK, W., and OLBOETER, E. Modern handling methods for agriculture. (Ge) Deut. Landwirt. 15(6):302-305. June 1964. 18 D4822  
Handling and transportation methods.
- 106212 KOCIS, S. Management problems in swine mechanization and rationalization. (Hu) In Debrecen, Hungary. Mezogazdasagi Akademia. A tiszantuli termeloszovetkezetek gepesitesenek uzemgazdasagi kerdesei, p.113-131. 1962. 58 D352
- 106213 KOVACS, GY. Experiences in operation of machine aggregates in production cooperatives. (Hu) In Debrecen, Hungary. Mezogazdasagi Akademia. A tiszantuli termeloszovetkezetek gepesitesenek uzemgazdasagi kerdesei, p.62-78. 1962. 58 D352
- 106214 KROLIS, K. E., and Oving, R. K. Vergelijkend resultaten-overzicht van een aantal agrarische loonbedrijven en werktuigencooperaties [Comparative results of a survey of a number of contract firms and equipment cooperatives]. Wageningen. Inst. v. Landbtech. en Ration. Gestencilde Meded 2, 24 p. Apr. 1964. 58.9 W12G  
Costs and returns.
- 106215 LEVYKIN, N. N. Complete mechanization as an important condition for the intensification of agriculture. (Rus) Zemledelie 4:3-6. Apr. 1964. 20 Z44  
Policies and programs.
- 106216 LIU, C. H. Maintenance of agricultural equipment. (Ch) Nongye Jixie Jishu 12(69):28. Dec. 1963. 58.8 N922
- 106217 LIU, Y. The functions of the leader of a mechanical brigade. (Ch) Nongye Jixie Jishu 3(72):22-23. Mar. 1964. 58.8 N922  
Equipment maintenance.
- 106218 LOEWEL, E. L., and others. General view of the machines and equipment available for fruit culture. (Ge) Obstbauversring. des Alten Landes. Mitt. 19(2):74-96. Feb. 1964. 85 J76  
U. Goos, A. Gottwald, S. Labus, and W. Schroeder, joint authors.  
Show and demonstration.
- 106219 MA, C. Some problems in our country's mechanization of cotton culture. (Ch) Nongye Jixie Jishu 3(72):2-4. Mar. 1964. 58.8 N922
- 106220 MCKIBBEN, E. G., and CARLETON, W. M. Engineering in agriculture. U. S. D. A. Ybk. Agr. 1964:96-101. 1 Ag84Y  
Mechanization in the United States and in developing areas.
- 106221 MICHALSON, E. L. Machinery costs and performance data for wheat-pea farm in the Palouse annual cropping region. Wash. Agr. Expt. Sta. Sta. C. 437, 8 p. July 1964. 100 W27S
- 106222 MOLLER, K. Neighbor cooperation in some areas. (Da) Landbonyt 18(2):38, 40-41. Feb. 1964. 11 L2322  
Cooperative use of equipment.
- 106223 NATIONAL FARM & POWER EQUIPMENT DEALERS ASSOCIATION. Official tractor and farm equipment guide, fall 1964. St. Louis, Mo., 1964. 383 p. 58.9 N215
- 106224 NORTHWEST FARM EQUIPMENT JOURNAL. 1964 buyers manual edition. Northwest Farm Equip. J. 73(3), 86 p. Mar. 1964. 58.8 F222
- 106225 OEHME, H. The influence of mechanization on sugar beet yields and resulting demands in engineering. (Ge) Deut. Akad. der Landwirtschaftswiss. Sitzber. 12(9):17-28. 1963. 18 D4825  
English summary.
- 106226 PELTRAMOVA, S. Economic results of mechanization of agricultural operations in the CSR in the years 1948-1960. (Cz) Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zemedel. Ekon. 36(11):597-612. Nov. 1963. 281.9 C332  
German summary.
- 106227 PERFONT, G. Where is mechanization of vineyard work? (Fr) Agr. Prat. 128(5):19-21. May 1964. 14 J82
- 106228 PIVOVAR, S. New machinery for corn culture. (Rus) Tekh. v Sel'sk. Khoz. 6:9-13. June 1964. 58.8 M11
- 106229 REINTHALER, F. Cooperative use of equipment. (Ge) Landwirt. Genossenschaftsfragen. 11:91-98. 1963. 280.28 L232
- 106230 RICHTER, H. Mechanization of agriculture and plant protection. (Ge) Gesunde Pflanzen 16(1):1-4. Jan. 1964. 464.8 G33  
English summary.
- 106231 ROSENKRANZ, J. A proposal for determination of degree of mechanization. (Ge) Z. f. Agrarikon. 7(5):144-147. Ref. 1964. 281.8 Z3
- 106232 SALON INTERNATIONAL DE LA MACHINE AGRICOLE. 35, PARIS, 1964. Report. (Fr) France. Cent. Natl. d'Etudes et d'Expt. de Mach. Agr. B. d'Inform. 74/75:27-79. Mar./Apr. 1964. 58.9 F843B  
Descriptions of equipment.
- 106233 SCHLAGHECKEN, A. Can the stagnation of farm machine marketing overcome? (Ge) Tech. u. Landwirt. 16(13):319-320. July 10, 1964. 58.8 T223
- 106234 SCHULTZ, L. From scythe to tractor—more than a hundred years' agricultural mechanization in South Africa. Farming So. Africa 40(4):59, 61, 63, 68. July 1964. 24 S6842
- 106235 SHAN-TUNG SHENG T' O LA CHI HSU P' EI CH'ANG CHI CHU K' O Thermal welding of cast iron replacement parts. (Ch) Nongye Jixie Jishu 4(73):14-15. Apr. 1964. 58.8 N922
- 106236 SOUSA, J. A. G. Scale for weighing cane from experimental plots. (Sp) B. Azucarero Mex. 179:6-7. May 1964. 65.8 B63
- 106237 STEINMETZ, H. Loading wagons. (Ge) Tech. u. Landwirt. 16(13):305-306. July 10, 1964. 58.8 T223
- 106238 THURM, R. Machine system and the importance of equipment for industrial production in socialist agriculture. (Ge) Z. f. Agrarikon. 7(6):169-175. Ref. 1964. 281.8 Z3
- 106239 TOTH, J. The effectivity of human and mechanical labor in production cooperatives. (Hu) In Debrecen, Hungary. Mezogazdasagi Akademia. A tiszantuli termeloszovetkezetek gepesitesenek uzemgazdasagi kerdesei, p.34-50. 1962. 58 D352  
Statistical methods.
- 106240 TREGUBOV, N., and KHARCHENKO, I. Complete maintenance service of farm machines and tractors. (Rus) Tekh. v Sel'sk. Khoz. 6:58-59. June 1964. 58.8 M11
- 106241 TURON, L. The future of agriculture lies in mechanization and automation. (Cz) Ekon. Zemedel. 2(12):357-358. Dec. 1963. 281.8 Ek7
- 106242 VITALI, G. The contribution of agricultural mechanics to the agricultural utilization of tropical and sub-tropical regions. (It) Riv. di Agr. Subtrop. e Trop. 57(10/12):349-363. Oct./Dec. 1963. 26 Ag82  
English summary.



- 106243 VIZLER, E., and POSTAS, S. The effect of mechanization on labor requirement. (Hu) In Debrecen, Hungary. Mezogazdasagi Akademia. A tiszantuli termeloszovetkezetek gepesitesenek uzemgazdasagi kerdesei, p.51-61. 1962. 58 D352
- 106244 WAGENINGEN. INSTITUUT VOOR LAND-BOUWTECHNIEK EN RATIONALISATIE. Jaarverslag [Annual report], 1963. Wageningen. Inst. v. Landbtech. en Ration. P. 79,60 p.,map. May 1964. 58.9 W12
- 106245 YANG, C. S. The development and the present situation of the Soviet agricultural machinery repair network. (Ch) Nongye Jixie Jishu 5(74): 24-25. May 1964. 58.8 N922
- 106246 YANG, C. Y. Profile of agricultural equipment. (Ch) Nongye Jixie Jishu 4(73):26-27. Apr.1964. 58.8 N922

#### Animal Husbandry Equipment

- 106247 BECKLEY, M. S., PHILLIPS, D. S. M., and WHITTLESTONE, W. G. Use only soft inflations. New Zeal. J. Agr. 108(6):524-525. June 15, 1964. 23 N48J  
Milking machines.
- 106248 CAWLEY, W. O., and CAWLEY, J. O. The proper pump will protect your profits. Broiler Business 15(5):24-25. May 1964. 47.8 B782  
Watering equipment.
- 106249 EISENREICH, L. Pasture farm and pasture milking. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(30):1067-1069. July 23, 1964. 18 N39  
Equipment.
- 106250 GABLER, E. Development and manufacture of milking equipment. (Ge) Deut. Agrartech. 14(7):329-332. July 1964. 58.8 D482
- 106251 GERSTENBERG, E. Practical experiences in the use of piglet feed automats. (Ge) Futterungsberatung 4(sup.5):42-43. In Tierzucht 17(10). Oct.1963. 49 T443
- 106252 GLENDENNING, M. Military saddles. West. Horseman 29(8):12-13, 16-17. Aug.1964. 42.8 W522
- 106253 HUTCHISON, J. Milking machines at fault. Gt. Brit. Min. Agr. Fisheries & Food. Agr. 71(7):310-312. July 1964. 10 G79J
- 106254 LANGELOUDECKE, H., and KLOTH, H. Effect of higher pulse rate on milking speed. (Ge) Tierzucht 18(4):190-192. Ref. Apr.1964. 49 T443
- 106255 PHILLIPS, D. S. M. The effect of pulsator ratio on milking rate. Ruakura Farmers' Conf. Week. Proc. 1963:219-234. 49.9 R82  
Includes discussion.
- 106256 PONGRACZ, K. Study of various chick feeders. (Hu) Baromfitenyesztes 8(4):6-7. Apr. 1964. 47.8 B262
- 106257 RUHLAND, H. Suggestion for professional hatching. (Ge) Tierzucht 18(1):40-42. Jan. 1964. 49 T443  
Poultry incubators.
- 106258 THIEL, C. C., and AKAM, D. N. A meter for measuring pulsation ratio in milking machines. J. Dairy Res. 31(2):167-173. June 1964. 44.8 J823
- 106259 WHITTLESTONE, W. G., LUTZ, P., and GRAY, C. Further studies of the cleaning of milking machinery: a comparison between chlorine-releasing detergent sanitizers and the iodophor-alkali system. Austral. J. Dairy Technol. 19(2):88-90. June 1964. 44.8 Au74
- 106264 CHERNIKOV, V. High-speed potato ridging. (Rus) Tekh. v Sel'sk. Khoz. 6:19-20. June 1964. 58.8 M11  
Cultivator with hillers.
- 106265 FLORESCU, I., and others. Observations on the comportment of the plough with "Comet" disks when at work on slopes. (Rum) Cluj. Inst. Agron. "Dr. Petru Groza." Lucrari Sti. 19:312-319. 1964. 21 C622  
A. Stanescu, I. Buzatu, I. Sulea, and T. Mulea, joint authors.  
English summary.
- 106266 GROTH, H. J. Good plowing by using the disk plow. (Ge) Deut. Agrartech. 14(7):314-316. July 1964. 58.8 D482
- 106267 HALTRUP, K. B. Plows and plowing. (Da) Dansk Landbr. 83(8):239-241. Aug.1964. 280.28 V91
- 106268 HOFMANN, K. Increasing work productivity and cost development in faster plowing. (Ge) Deut. Agrartech. 14(7):316-317. July 1964. 58.8 D482
- 106269 HORVATH, S. New method for placing sprouting stock and vine shoots with wire support on sands. (Hu) Budapest. Szolesz. Kutato Intezet. Kutatasi Eredmenyei 2:15-16. 1963. 95.9 B85S
- 106270 Khabarov, S. Mechanization of tillage of creeping fruit orchards. (Rus) Sadovodstvo 6:15-16. June 1964. 80 Sa13  
Apples.
- 106271 KRYLOV, YU., KORSHIKOV, A., and KALMYKOV, P. Mowing round of irrigation canals. (Rus) Tekh. v Sel'sk. Khoz. 6:26-28. June 1964. 58.8 M11  
Equipment.
- 106272 KURILOV, A., and KURILOVA, Z. Rearrangement of hitching mechanism. (Rus) Tekh. v Sel'sk. Khoz. 5:61. May 1964. 58.8 M11  
On tractors, for plows.
- 106273 NEPARIDZE, M. Spiketooth harrow hitch. (Rus) Tekh. v Sel'sk. Khoz. 6:89. June 1964. 58.8 M11
- 106274 PATERSON, J. J., and LAPP, H. M. Six years of deep tillage on clay soil in Manitoba. Can. Agr. Eng. 6(1):16-19. Ref. Jan.1964. 58.8 C164
- 106275 PFLUGER, W. Higher performance by acre and economic use of tractors by correct treatment of three-point mounted plows. (Ge) Deut. Agrartech. 14(7):317-321. Ref. July 1964. 58.8 D482
- 106276 POLUNIN, N. Machines for the control of soil erosion. (Rus) Tekh. v Sel'sk. Khoz. 6:43-48. June 1964. 58.8 M11  
Chiefly cultivators and planters.
- 106277 POLUPARNEV, YU. I. Determination of traction resistance of plows. (Rus) Lesn. Khoz. 5:58-61. May 1964. 99.8 L5622
- 106278 SANFORD, J. O., and others. Tillage practices for corn. Miss. Agr. Expt. Sta. Inform. Sheet 855, 2 p. May 1964. 100 M69In  
R. R. Bruce, C. W. Boty, D. L. Myhre, and S. P. Crockett, joint authors.  
Includes equipment.
- 106279 SNYTKIN, G. Soil-packing implements. (Rus) Zemledelie 3:78-79. Mar.1964. 20 Z44  
Rollers.
- 106280 ZHUKOV, I. Needle disks for corn culture. (Rus) Tekh. v Sel'sk. Khoz. 6:23-25. June 1964. 58.8 M11

#### Fertilizing and Planting Equipment

- 106260 ANDERSON, D. T. Some factors affecting trash conservation with disc-type tillage implements. Can. Agr. Eng. 6(1):11-13, 19. Jan.1964. 58.8 C164
- 106261 ARNAUTOV, V. I. Equipment for cutting roots of fruit rootstocks. (Rus) Sadovodstvo 5:27. May 1964. 80 Sa13
- 106262 BABII, P. Thinning sugar beets. (Rus) Tekh. v Sel'sk. Khoz. 6:21-23. June 1964. 58.8 M11  
Equipment.
- 106263 BILANSKI, W. K. Deep tillage on Haldimand clay soil. Can. Agr. Eng. 6(1):14-15, 19. Jan. 1964. 58.8 C164
- 106281 ARS, V. M. M. A seed drill that suits all soils. Indian Farming 14(2):11. May 1964. 22 In283
- 106282 BJURLING, J. Precision planting of sugar beets. (Sw) Sveriges Betodlares Centfor. Tid-skr. 27,i.e.28(1):17-19. 1964. 66.9 Sv22  
Equipment.
- 106283 CHANG, K. C. The operation and adjustment of seed planters. (Ch) Nongye Jixie Jishu 3(72): 8-9. Mar.1964. 58.8 N922
- 106284 COZZANI, C., and SACCO, L. Fertilizing. (It) Italia Agr. 101(5):453-462. May 1964. 16 It1  
With aircraft.
- 106285 EFIMOV, M. I. Rotary manure spreader. (Rus) Zemledelie 3:79-80. Mar.1964. 20 Z44



- 106286 HO, Y., and LI, K. M. Analysis of the use of precision seeders. (Ch) Nongye Jixie Jishu 3 (72):5-7. Mar.1964. 58.8 N922
- 106287 HO-PEI NAN-KUNG HSIEN NUNG CHI KUAN I.I CHU The steps in the mechanized planting of cotton. (Ch) Nongye Jixie Jishu 3(72):9-11. Mar.1964. 58.8 N922
- 106288 JOHNSON, L. R. Application equipment for the fertilizer industry. Pacific Northwest Fert. Bulk Blending Symp. Proc., 1963 Symp.:47-51. 57.9 P112
- 106289 MOSIN, M. Reequipment of potato planters for thicker planting. (Rus) Tekh. v Sel'sk. Khoz. 5:60. May 1964. 58.8 M11
- 106290 PAO-YUAN-LING NUNG CH'ANG CHI WU K'O Planting soybeans and standard operation of cultivation. (Ch) Nongye Jixie Jishu 5(74):20-21. May 1964. 58.8 N922
- 106291 SCHEFFER, F., HENZE, R., and SIPOS, L. Dependence of the distributing quality of the centrifugal distributor on the fertilizer. (Ge) Landwirt. Forsch. 17(1):10-16. 1964. 18 L2333  
English summary.
- 106292 TUNG, Y. S. How to check and adjust sowing amount while in the field. (Ch) Nongye Jixie Jishu 4(73):10-11. Apr.1964. 58.8 N922  
Sowing equipment.
- 106293 VERKHOVSKII, V. M. Machines and devices for the application of liquid fertilizers. 7 p. Ref. Transl. 14007  
Translation from Vestnik Sel'skokhozyaistvennoi Nauki 3:110-114. Mar.1964.
- 106294 WANG, C. H. On foreign seed planters. (Ch) Nongye Jixie Jishu 3(72):10-13. Mar.1964. 58.8 N922
- Harvesting Equipment**
- 106295 AFONIN, M. I., and KORENSKII, N. G. Harvesting flax with combines. (Rus) Len i Konoptya 6:25-28. 1964. 73.8 L542
- 106296 ANTAL, A., and others. Contributions for the determination of the energetic indices and working capacity of the silage-combine C.S.U. endowed with for one row E.P.-1 equipment. (Rum) Cluj. Inst. Agron. "Dr. Petru Groza." Lucrari Sti. 19:321-330. 1964. 21 C622  
I. Florescu, A. Stanescu, and T. Mulea, joint authors.  
English summary.  
For silage corn.
- 106297 BOSHOFF, B. V. D. The farmer and his maize combine. Farming So. Africa 40(3):11,13,15. June 1964. 24 So842
- 106298 BUISSHAND, T. Harvesting of carrots. (Du) Groenten en Fruit 20(2):61,63. July 8,1964. 80 G89  
Chiefly equipment.
- 106299 CLAYTON, J. E., and WILLIAMSON, E. B. Protection of cotton pickers between seasons aided by rust arresters. Miss. Agr. Expt. Sta. Inform. Sheet 787,2 p. Jan.1963. 100 M69In
- 106300 CORSTIAENSEN, W. P. M., and others. Onderzoek loonbedrijven. Het gebruik van opraappersen bij het loonbedrijf [Investigation of contract firms. Use of pickup balers in contract firms]. Wageningen. Inst. v. Landbtech. en Ration. Gestencilde Meded. 1,19 p. Mar.1964. 58.9 W12G  
K. Martens, J. Bouma, and J. Visser, joint authors.  
Performance.
- 106301 CRALLEY, E. M. Mechanized fruit and vegetable production. Ark. Farm Res. 13(4):6. July/Aug.1964. 100 Ar42F  
Chiefly harvesting equipment.
- 106302 DUNCAN, R. A. In Hawaii cut-load harvest of long crop sugar cane. (Condensed.) Agr. Engin. 45(7):374-375. July 1964. 58.8 Ag83
- 106303 EITELGORGE, O. Technical organizational problems connected with the use of industrial methods in grain harvesting. (Ge) Deut. Agrartech. 14(7):303-305. July 1964. 58.8 D482  
Equipment.
- 106304 EVTOD'EV, I., and DOKOCHAEV, A. Improvement of machines for harvesting hay and straw. (Rus) Tekh. v Sel'sk. Khoz. 6:67-68. June 1964. 58.8 M11
- 106305 FRANCE, CENTRE NATIONAL D'ETUDES ET D'EXPERIMENTATION DE MACHINISME AGRICOLE. Statistiques concernant les moissonneuses-batteuses en service en France au cours de la moisson 1963 ainsi que les ventes de l'espece pendant la saison 1962-1963 [Statistics on combines in service in France during the harvest of 1963 as well as the sales of this product during the season 1962-1963]. France. Cent. Natl. d'Etudes et d'Expt. de Mach. Agr. Etude 267,19 p.,map. Jan.1964. 58.9 F842
- 106306 HAAS, P. G. DE, BUNEMANN, G., and GOHLICH, H. Mechanical harvesting of fruit. (Ge) Erwerbsobstbau 6(1):7-10. Jan.1964. 80 Er9
- 106307 HORA, O., CERMAK, A., and ZAK, K. Perspectives of grain harvesting in Czechoslovakia. (Ge) Deut. Agrartech. 14(7):306-308. July 1964. 58.8 D482  
Equipment.
- 106308 HUNIKEN, M. Hay harvesting machines. (Ge) Tech. u. Landwirt. 16(13):308,310-311. July 10,1964. 58.8 T223
- 106309 KATTAN, A. A., and others. A mechanical harvester for blackberries. Ark. Farm Res. 13(4):3. July/Aug.1964. 100 Ar42F  
G. S. Nelson, R. H. Benedict, and G. D. Oliver, joint authors.
- 106310 KONYUSHKOV, E. N. Machines for harvesting breed seed yields. (Rus) Selek. i Semen. 3:25-28. May/June 1964. 61.9 Se5
- 106311 KROMBHOLZ, K. Mechanics of the ride on forage harvesters on slopes. (Ge) Deut. Agrartech. 14(7):310-314. July 1964. 58.8 D482
- 106312 LAFFERTY, D. G. Costs of owning and operating cotton strippers. Ark. Farm Res. 13(4):11. July/Aug.1964. 100 Ar42F
- 106313 LECKER, F. A new spinach harvesting equipment. (Ge) Lohnunternehmen in Land- u. Forstwirtschaft. 19(7):166-167. July 15,1964. 58.8 D81
- 106314 LIEBSTER, G., SCHIMMELPFENG, H., and BOHM, G. First experiences with the mechanized harvesting of black currants and cultivated whortleberries. (Ge) Erwerbsobstbau 6(1):13-16. Jan.1964. 80 Er9
- 106315 LORENZ, H. Application, output and utilization of combines. (Ge) Deut. Agrartech. 14(7):308-310. July 1964. 58.8 D482
- 106316 MIMINOSHVILI, P. B. Agrotechnical indices of operation of tea plucking machines. (Rus) Makharadze. Vses. Nauch.-Issled. Inst. Chaya Subtrop. Kul't Subtrop. Kul't. 1:3-22. 1963. 68.19 M28
- 106317 MOLLER, I. Combine harvesting of grain. (Da) Dansk Landbr. 83(7):195-197. July 1964. 280.28 V91
- 106318 NEI-MENG-KU HU- T'O-PEI- ERH MENG MO TA A MU CHIH TS'AO YUAN KAI LIANG SHIH CHIEN CHAN. Several problems in mowing grass with horse drawn machinery. (Ch) Nongye Jishu 6:30-32. June 1964. 22.5 N929
- 106319 NUTT, G. B. Harvesting cotton mechanically. Empire Cotton Growing Rev. 41(3):163-166. July 1964. 72.8 Em7
- 106320 NYBORG, E. O. A test procedure for determining combine capacity. Can. Agr. Eng. 6(1):8-10. Jan.1964. 58.8 C164
- 106321 POZ, Z. Machines for harvesting lodged peas. (Rus) Tekh. v Sel'sk. Khoz. 6:87-89. June 1964. 58.8 M11
- 106322 RYZHOV, S. New combines for harvesting forage plants. (Rus) Tekh. v Sel'sk. Khoz. 6:56-57. June 1964. 58.8 M11
- 106323 SCHATZKE, M. Mechanical aids for the berry harvest. (Ge) Erwerbsobstbau 6(1):11-12. Jan.1964. 80 Er9
- 106324 SCHEIBE, K. Modern harvesting technique and plant protection. (Ge) Gesunde Pflanzen 16(1):4-6. Jan.1964. 464.8 G33  
English summary.  
Mechanization.



- 106325 SCHMIDT, E. D., and LEVIN, J. H. Cushioning materials for harvesting and handling fruits and vegetables. U. S. Agr. Res. Serv. ARS-42,15 p. Apr.1964. A58.9 R31
- 106326 SEIFERT, H. Equipment and tools for forage harvesting. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(28):1004-1006. July 9,1964. 18 N39
- 106327 SHATTOCK, W. S., and FALKINGHAM, R. V. Bales from field to farm. Gt. Brit. Min. Agr. Fisheries & Food. Agr. 71(6):282-283. June 1964. 10 G79J
- 106328 SMITH, D. Puerto Rico starts mechanized sugar harvest. Sugar J. 27(2):9,11,13. July 1964. 65.8 Su391
- 106329 STRICKER, H., and GEHRE, H. Experiences with the use of potato diggers in field tests. (Ge) Kartoffelbau 14(12):286-288. Dec.1963. 75.8 K145
- 106330 STUDIES on frequency control of shaking devices—possibility for complete reduction of harvesting losses. (Ge) Deut. Agrartech. 14(7):293-296. July 1964. 58.8 D482
- 106331 VAN WYK, J. J. Weigh the pros and cons before you buy a maize combine. Farming So. Africa 40(3):23,25. June 1964. 24 So842
- 106332 VAN WYK, J. J. Which is cheaper—mechanical or hand harvesting? Farming So. Africa 40(3):33,35. June 1964. 24 So842
- 106333 VAN WYK, J. J. Mechanise our maize harvesting process: why we have to mechanise. Farming So. Africa 40(3):9,11. June 1964. 24 So842
- 106334 VARLAMOV, G. P., and others. Mechanized fruit harvesting. (Rus) Sadovodstvo 7:22-23. July 1964. 80 Sa13  
P. M. Komissarov, I. M. Fedotov, B. N. Kradenov, and S. I. Filimonov, joint authors.
- 106335 VERSHININ, I., and SKLYAREVSKII, O. Hay harvesting machines on flooded meadows. (Rus) Tekh. v Sel'sk. Khoz. 6:16-18. June 1964. 58.8 M11
- 106336 VOLKMANN, A. Experiences with the application of the combine with attached chopper (Stadtilm system). (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(6):252-253. June 1964. 18 W763
- 106337 WANGERIN, A. Hay balers and bale loaders. (Ge) Tech. u. Landwirt. 16(13):314-316. July 10,1964. 58.8 T223
- 106338 WIENEKE, F. The grain harvest. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(28):1008,1010,1012. July 9,1964. 18 N39  
Equipment.
- 106339 WILKING, E. Methods and aids for working on the harvest, storage, and processing of fruit. (Ge) Erwerbsobstbau 5(12):228-232. Dec. 1963. 80 Er9  
Equipment and record keeping.
- 106340 ZIMMERMAN, M. Harvesting vegetables. Impl. & Tractor 79(16):42-44. July 21,1964. 58.8 W41  
Equipment.
- 106345 BOHL, K., and SAUER, K. Cold ventilation of haystacks in the Frankfurt/Oder district. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(5):199-201. May 1964. 18 W763
- 106346 DENMARK, STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Barn drying of hay, 1958-60. (Da) Tidsskr. f. Planteavl 67(3):531-534. 1963. 11 T439  
Chiefly equipment.
- 106347 DOLLING, M. Experiences in field chaff threshing harvest in 1963 in Leipzig district. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(6):247-250. June 1964. 18 W763  
Grain threshing and straw chopping and transportation equipment.
- 106348 EICHELBAUM, H. The transport and unloading of light chopped straw. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(6):257-259. June 1964. 18 W763
- 106349 FEIFFER, R., and FUSSEL. Consistency of threshing product, parallel test series, factory standards. (Ge) Deut. Agrartech. 14(7):296-300. July 1964. 58.8 D482  
In relation to equipment.
- 106350 HEIMBURGE, H., and REINHOLD, J. Chopped straw threshing under conditions of the frontal and central mountain areas in the VEG Schongleina. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(6):250-251. June 1964. 18 W763  
Equipment.
- 106351 KOLMAKOV, L. P. Production lines for processing stock seeds. (Rus) Selekt. i Semen. 3:19-25. May/June 1964. 61.9 Se5  
Grain cleaning and drying equipment.
- 106352 MARK, A. H. Recent developments in wafering of forages. Can. Agr. Eng. 6(1):2-3,7. Ref. Jan.1964. 58.8 C164
- 106353 MEHLHORN. Better haymaking through cold ventilation of haystacks in the VEG Lewitz Institut fur Landwirtschaft. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(5):201-203. May 1964. 18 W763
- 106354 SCHIFFER, W. From grain field to feed trough—a continuous chain. (Ge) Mitt. der Deut. Landwirt.-Gesell. Illus. Beilage 5,8 p. June 25,1964. 18 N39A
- 106355 STUTTERHEIM, W. Dry feed mixer for farms. (Ge) Landtechnik 19(14):528,530-534, 536-538,540. July 15,1964. 58.8 L235
- 106356 TUR'YAN, D., and GRINBERG, V. Adding ammonia liquor to sugar beets pulp feed. (Rus) Tekh. v Sel'sk. Khoz. 6:36-38. June 1964. 58.8 M11  
Equipment.
- 106357 U. S. AGRICULTURAL MARKETING SERV. MILK MARKETING ORDERS DIV. Bulk cooling tanks on farms supplying Federal milk order markets. U. S. Agr. Mktg. Serv. AMS-261,16 p. June 1964. A280.39 M34Am
- 106358 VORSTER, J. A. Handling of unbagged maize on the farm. Farming So. Africa 40(3):27,29,31. June 1964. 24 So842  
Includes drying equipment and storage.
- 106359 ZIHLMANN, F. Hay drying. 2. (Ge) Traktor u. die Landmasch. 26(9):605-616. July/Aug. 1964. 58.8 T678Ag  
Includes equipment.

#### Land Clearing Equipment

- 106341 RAPP, E. Equipment for irrigated land development. Can. Agr. Eng. 6(1):22-25. Ref. Jan. 1964. 58.8 C164  
Land leveling equipment, chiefly.
- 106342 SCOTT, D. F. Levels for farm use. New Zeal. J. Agr. 108(5):429-431. May 15,1964. 23 N48J  
Includes tools.

#### Processing Equipment Used on the Farm

- 106343 BEER, A. G. DE, and BRUWER, J. J. The A B C of maize drying. Farming So. Africa 40(3):15,17,19,31. June 1964. 24 So842  
Equipment on farm.
- 106344 BJELKE-HOLTERMANN, A. Views on cold air drying of grain—with or without supplementary heat. (Sw) Centstyr. f. Malmohus Lans Forsoks- och Vaxtskyddsringar. Meddel. 30:137-139. 1963, pub.1964. 64.9 C332

#### Repair, Maintenance, and Construction Equipment

- 106360 CHANG, T. H. The selection of paints for agricultural machinery. (Ch) Nongye Jixie Jishu 5(74):13-15. May 1964. 58.8 N922
- 106361 GAMSHOG, O., and LARSSON, R. Liquid manure—a new concept. (Sw) Centstyr. f. Malmohus Lans Forsoks- och Vaxtskyddsringar. Meddel. 30:114-118. 1963, pub.1964. 64.9 C332  
Removal equipment.
- 106362 KALLAY, B. Four questions and answers about manure pit. (Hu) Baromfitenyesztes 8(5):5. May 1964. 47.8 B262  
For poultry.
- 106363 LINNERT, A. The workshop belongs to the farm. (Ge) Ubersicht 15(5):299-300. May 10, 1964. 18 Ub3



- 106364 OGILVIE, J. R., and HORE, F. R. Confined livestock manure disposal. *Can. Agr. Eng.* 6 (1):42-43, 45. Jan. 1964. 58.8 C164
- 106365 OSTRANDER, C. E. Hydraulic manure handling in laying houses. *Canad. Poultry Rev.* 88 (8):15-16. Aug. 1964. 47.8 C16  
Liquid manure.
- 106366 RUPRICH, W. Equipment and tools for barn manure transportation. (Ge) *Mitt. der Deut. Landwirt.-Gesell.* 79(28):1018-1020. July 9, 1964. 18 N39  
Spraying and Dusting Equipment
- 106367 AKESSON, N. B., and others. Agricultural chemical drift residues resulting from aircraft applications. *Agr. Aviation* 6(3):72-82. 1964. 333.8 Ag8  
W. E. Yates, H. H. Coutts, and W. E. Burgoyne, joint authors.
- 106368 BORZINI, G. Agricultural aviation in the Italian North. (It) *Italia Agr.* 101(5):463-472. May 1964. 16 It1  
For plant disease and pest control.
- 106369 CATE, H. R. TEN. Spraying, pressure spraying, and aerosols in fruit culture. (Ge) *Erwerbsobstbau* 5(12):225-227. Dec. 1963. 80 Er9
- 106370 COZZANI, C. The use of aircraft. (It) *Italia Agr.* 101(5):403-408. May 1964. 16 It1  
In plant disease and pest control.
- 106371 GOOSSEN, H. Plant protection equipment for the allotment gardener. (Ge) *Fachberater f. das Deut. Kleingartw.* 13(50):18-19. Dec. 1963. 80 F11  
Dusting and spraying equipment.
- 106372 GOOSSEN, H. Versatile use of plant protection equipments. (Ge) *Lohnunternehmen in Land- u. Forstwirtschaft.* June 15, 1964. 58.8 D81  
Chiefly spraying equipment in combination with other machines.
- 106373 JANNONE, G. Between two conferences. (It) *Italia Agr.* 101(5):415-419. May 1964. 16 It1  
Use of aircraft in plant pest and disease control.
- 106374 KOPCSO, I. The economy of plant protection of fruit orchards. (Hu) *Kerteszet es Szoleszet* 13(12):10-11. June 1964. 80 K474  
Spraying costs, chiefly.
- 106375 MARTELLI, L. The mechanical problem. (It) *Italia Agr.* 101(5):425-436. May 1964. 16 It1  
Aircraft spraying for disease and pest control.
- 106376 PROKOPENKO, S. F., and PODSHIVALOV, V. S. Use of sprayers with nozzle in the control of weeds on virgin lands. (Rus) *Zemledelie* 4:41-43. Apr. 1964. 20 Z44
- 106377 SACCO, L., and SISTO, A. M. The requirements of the plant pharmacists. (It) *Italia Agr.* 101(5):489-504. Ref. May 1964. 16 It1  
Sprays for plant disease and pest control suited to aircraft application.
- 106378 VAVASSORI, A. M. Helicopters. (It) *Italia Agr.* 101(5):437-448. May 1964. 16 It1  
For plant disease and pest control.
- 106379 YURKOVSKYI, S. YA. Mekhanizatsiya zakhyshu roslin vid shkidnykh ta khvorob [Mechanization of plant protection against pests and diseases]. Ed. 2, rev. and enl. Kyiv, Derzhavne Vydavnytstvo Sil'skohospodars'koi Literatury Ukrain's'koi RSR, 1963. 280 p. 58 Ju6  
Spraying and dusting equipment.
- Vehicles
- 106380 ACHART, J. The evolution of the idea of official testing of agricultural equipment: the case of tractors. (Fr) *France. Cent. Natl. d'Etudes et d'Expt. de Mach. Agr. B. d'Inform.* 74/75: 21-26. Mar./Apr. 1964. 58.9 F843B
- 106381 BECK, R. The west German farm tractor business. II. (Ge) *Deut. Agrartechn.* 14(7):323-325. July 1964. 58.8 D482
- 106382 BIGSBY, F. W., and BARNES, K. K. Techniques of experimental stress analysis and statistics for determination of forces in mounted implement linkages. *Can. Agr. Eng.* 6(1):4-7. Jan. 1964. 58.8 C164
- 106383 CALZECCHI-ONESTI, A. Fly on your own farm. (It) *Italia Agr.* 101(5):401-402. May 1964. 16 It1
- 106384 CARDINALI, M. Why is an accurate maintenance of filters necessary? (It) *Terra Trent.* 10(5):207-208, 210-213, 215-218. May 1964. 16 T277  
Tractor motors.
- 106385 CHAN, S. M. Material on the exchange of friction plates in tractors. (Ch) *Nongye Jixie Jishu* 3(72):24. Mar. 1964. 58.8 N922
- 106386 CHANG, M. How we can manage oil and fuel. (Ch) *Nongye Jixie Jishu* 3(72):17-19. Mar. 1964. 58.8 N922  
Transportation and storage for farm machinery, chiefly tractors.
- 106387 CHAO, K. C. The field repair of cracked and clogged fuel lines. (Ch) *Nongye Jixie Jishu* 5 (74):12. May 1964. 58.8 N922  
Tractors.
- 106388 CHOU, C. H. The use of a gasoline torch in the repair of radiators. (Ch) *Nongye Jixie Jishu* 5 (74):22-23. May 1964. 58.8 N922  
Repair of tractors.
- 106389 DREVER, J. G. Buckrakes—features and uses. *Agr. Gaz. N. S. Wales* 75(7):1130-1134. July 1964. 23 N472  
Tractor equipment.
- 106390 DREVER, J. G. J., and ATKINSON, J. A. Winter management of farm vehicles. *Agr. Gaz. N. S. Wales* 75(4):935-939, 973. Apr. 1964. 23 N472  
Chiefly tractors.
- 106391 FELDMANN, F. Reflections on tractors with infinitely variable drives. (Ge) *Landtechnik* 19(14):543-546. July 15, 1964. 58.8 L235
- 106392 FISCHER, F. Tractor industry in upheaval. (Ge) *Betriebswirt. Mitt. f. den Wirtberater.* 118:21-26. June 15, 1964. 281.8 B462
- 106393 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Rearing and capping of tractors. *Food Agr. Organ. U.N. Land Water Develop. Div. Inform. Working Bull.* 25, 46 p. Ref. [1963?] 290.9 F732
- 106394 HEIDT, H. Non-overturning tractor covers give lightning protection. (Ge) *Mitt. der Deut. Landwirt.-Gesell.* 79(26):949-950. June 25, 1964. 18 N39
- 106395 HU, S. Preparatory cleaning of fuel. (Ch) *Nongye Jixie Jishu* 3(72):20-21. Mar. 1964. 58.8 N922  
For tractors.
- 106396 HUNGE, H. The delimiting of the life of tractors according to cost economics. (Ge) *Z. f. Agrarikon.* 7(5):148-152. 1964. 281.8 Z3
- 106397 KAMMERLING, H. J. Two years of development in tractor production. (Ge) *Mitt. der Deut. Landwirt.-Gesell.* 79(28):999-1002. July 9, 1964. 18 N39
- 106398 LI, L. C., and WET, Y. C. Welding the drive wheel. (Ch) *Nongye Jixie Jishu* 4(73):16. Apr. 1964. 58.8 N922  
Tractor repair.
- 106399 LI, L. C., and WET, Y. C. The winter operation of tractors. (Ch) *Nongye Jixie Jishu* 12 (69):14-15. Dec. 1963. 58.8 N922
- 106400 LONG, M. L. What makes your tractor misfire? *Hoards Dairyman* 109(16):891. Aug. 25, 1964. 44.8 H65
- 106401 LU, P. F., and CHANG, T. H. On the period of changing motor oil in tractors. (Ch) *Nongye Jixie Jishu* 3(72):26-27. Mar. 1964. 58.8 N922
- 106402 MACEDONIO, N. The legal problem. (It) *Italia Agr.* 101(5):449-451. May 1964. 16 It1  
Use of aircraft in agriculture.
- 106403 MAUCH, A. Importance of and today's technical possibilities for the narrow-track tractor in fruit culture. (Ge) *Tech. im Gartbau.* 11:1-3. Nov. 1963. 80 T223
- 106404 NATION, H. J. Power for machines from tractor hydraulics. *Farm Mech.* 16(179):21-23. July 1964. 58.8 B772
- 106405 NISCHWITZ, J. Structural attachments for grass and field forage ensiling. (Ge) *Wiss.-Tech. Fortschr. f. die Landwirt.* 5(5):210-212. May 1964. 18 763  
Tops for trucks for handling chopped hay.



- 106406 P'ANG, H. C. The removal of the cylinder jacket. (Ch) Nongye Jixie Jishu 12(69):21. Dec. 1963. 58.8 N922 Tractors.
- 106407 PULGAR ARROYO, J. Power lift of tractor. (Sp) Asoc. Nac. de Ingen. Agron. B. 148:37-38. Feb. 1964. 58.9 As5
- 106408 SCHWEIZERISCHER TRAKTORVERBAND. Activity report for the period July 1, 1962 to June 30, 1963. (Ge) Traktor u. die Landmasch. 26(9):593-594. (Concl.) July/Aug. 1964. 58.8 T678Ag
- 106409 SHEN, F. C. A fuel pump timing gauge. (Ch) Nongye Jixie Jishu 4(73):17. Apr. 1964. 58.8 N922 For tractors.
- 106410 SUNG, K. H. The operational and structural methodology of the tractor repair stations. (Ch) Nongye Jixie Jishu 12(69):11-12. Dec. 1963. 58.8 N922
- 106411 U. S. FEDERAL AVIATION AGENCY. Aircraft in agriculture, 1962. Washington, 1964. 53 p. 173 F315
- 106412 VICK, K. I. Tractor utilization on farms in the prairie area of Saskatchewan, 1954-1961. Econ. Annal. 34(2):40-44. Apr. 1964. 281.8 Ec72 Statistical.
- 106413 WAELTI, H., and MOE, D. L. Selection of motor oil. S. Dak. Agr. Expt. Sta. C. 163,7 p. June 1964. 100 So82
- 106414 WU, C. T. The installation of the bevel gear and rear axle. (Ch) Nongye Jixie Jishu 12(69):16. Dec. 1963. 58.8 N922 Tractors.
- 106415 YU, Y. H. An investigation of the clutch shaft and gearbox. (Ch) Nongye Jixie Jishu 12(69):4-6. Dec. 1963. 58.8 N922 Of tractors.
- 106416 ZEUSCHNER, I. It depends on the thousandth millimeter! Robust machines—sensitive to dust. (Ge) Übersicht 15(5):304-306. May 10, 1964. 18 Ub3 Care of tractor motors.

#### FARM STRUCTURES AND RURAL HOUSING

- 106417 ENSTIPP, H. J. Volume of agricultural building in the mirror of statistics. (Ge) Bauen auf dem Lande 15(6):146-149. June 1964. 296.8 Ar1
- 106418 FORSTER, A. E. Light building hall in wood construction. (Ge) Bauen auf dem Lande 15(5):113. May 1964. 296.8 Ar1
- 106419 GELS, J. A. Bedrijfsgebouwen voor wiedebedrijven [Service buildings for grassland farms]. Wageningen. Inst. v. Landbedrijfsgebouwen. P. 19,70 p. Dec. 1963. 49.9 W12P
- 106420 HUISMAN, L. H. Landbouwbedrijfsgebouwen in de Verenigde Staten van Noord-Amerika [Agricultural buildings in the United States of North America]. Wageningen. Inst. v. Landbedrijfsgebouwen. P. 22,60 p., map. June 1964. 49.9 W12P
- 106421 NIEUWENHUYZEN, J. A. VAN., and others. Enkele aspecten betreffende landbouwbedrijfsgebouwen in engeland. Some aspects concerning farm building in England. Wageningen. Inst. v. Landbedrijfsgebouwen. P. 14,23 p. Apr. 1962. 49.9 W12P T. Groendijk, L. H. Huisman, and K. A. Klarenberg, joint authors.
- 106422 PETROV, E. Attempt to set up methods of economic assessment and supplying certificates for standard blueprints for farm buildings and installations. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Ikonomika Selskoto Stopanstvo. Izv. 3:129-152. Ref. 1963. 281.9 Ak12 English summary.
- 106423 RIJKENBARG, G. J. H. Onderzoek naar de toestand van de Landbouwbedrijfsgebouwen in Drenthe, op bedrijven van 10-30 ha [Investigation of the condition of the farm buildings in Drenthe (on farms from 10-30 hectare)]. Wageningen. Inst. v. Landbedrijfsgebouwen. P. 20,47 p. Feb. 1964. 49.9 W12P English summary.
- 106424 RIJKENBARG, G. J. H. Standaardisatie en montagebouw in de landbouw [Standardization and assembly-line building in agriculture]. Wageningen. Inst. v. Landbedrijfsgebouwen. P. 21,31 p. Feb. 1964. 49.9 W12P English summary.
- 106425 SCHOCH, R. Thoughts of an architect on the DLG fair. (Ge) Bauen auf dem Lande 15(7):158-160. July 1964. 296.8 Ar1
- 106426 SCHUERHOLZ, H. Minimal building and labor costs in a given farm program. (Ge) Landbforsch. Volkenrode 13(1):35-40. Sept. 1963. 18 L2353
- 106427 SUKHANOV, M. A. Effektivnost' primeneniya teploizolyatsionnykh materialov v sel'skom stroitel'stve [The effectiveness of insulation material in agricultural buildings]. Moskva, Gosudarstvennoe Izdatel'stvo Literatury po Stroitel'stvu, Arkhitekture i Stroitel'nyum Materialam, 1963. 102 p. 291 Su4
- 106428 WAGENINGEN, INSTITUUT, VOOR LANDBOUWBEDRIJFSGEBOUWEN. Verslag over het jaar [Report of the year 1962]. Wageningen. Inst. v. Landbedrijfsgebouwen. P. 18,27 p. June 1963. 49.9 W12P English summary.
- 106429 WAGENINGEN, INSTITUUT VOOR LANDBOUWBEDRIJFSGEBOUWEN. Verslag over het jaar 1963 [Report for the year 1963]. Wageningen. Inst. v. Landbedrijfsgebouwen. P. 23, 32 p. June 1964. 49.9 W12P English summary.

#### Animal Shelters and Animal Service Buildings

- 106430 ADAMS, A. W. Profitable poultry housing. Feedstuffs 36(30):26,28. July 25, 1964. 286.81 F322
- 106431 AFFELDT, K. H. Herringbone milking stand and tying stall. (Ge) Deut. Agrartech. 14(7):333-334. July 1964. 58.8 D482
- 106432 ANNIBALDI, S. Note on the sanitary treatment of a large milking plant. II. (It) Latte 38(7):578-580. July 1964. 44.8 L35
- 106433 ANTTILA, R. Finnish poultry houses. (Sw) Honsgarden 1:26-28. In Tidskr. f. Lantman och Andelsfolk 3. Feb. 15, 1964. 20 T43
- 106434 ARIAS MARTINEZ, P., and others. Report of the Group on Housing and Management. (Sp) Avicult. Tec. 15(1):45-46, 49, 51. Jan. 1964. 47.8 Av57 J. M. Cid Diaz, S. Dolz Rallo, L. H. Rodriguez Riestra, M. Serantes Porta, and J. A. Castello Lobet, joint authors. Of the Spanish Section of the World Poultry Science Association.
- 106435 BATES, D. W. Make cow stalls large enough. Hoard's Dairyman 109(16):887. Aug. 25, 1964. 44.8 H65
- 106436 BLANKEN, G. Stall construction for swine—viewed by the farmer. (Ge) Bauen auf dem Lande 15(7):167-168, 170-171. July 1964. 296.8 Ar1
- 106437 BORCHERT, K. L. Stall construction for hens—viewed by the architect. (Ge) Bauen auf dem Lande 15(7):176-177. July 1964. 296.8 Ar1
- 106438 BOSTICCO, A. Loose housing on small farms. (It) Colt. e Gior. Vinic. Ital. 110(5):168-171. May 1964. 16 C72
- 106439 CHEMOV, V. Putting construction of farm buildings on industrial basis. (Rus) Sel'sk. Khoz. Kazakhstana 4:21. 1964. 20 K185 Animal shelters.
- 106440 DULISKOVICH, A. Is it economical to heat the poultry stall in winter? (Hu) Baromfitenyesztes 8(5):18. May 1964. 47.8 B262
- 106441 EILFORT, K. Stall construction for hens—viewed by the farmer. (Ge) Bauen auf dem Lande 15(7):174-176. July 1964. 296.8 Ar1
- 106442 GIPPERT, T. Housing conditions for table poultry. (Hu) Baromfitenyesztes 8(3):14. Mar. 1964. 47.8 B262
- 106443 GIPPERT, T. Housing factors in layers rearing. (Hu) Baromfitenyesztes 7(11):18-19. Nov. 1963. 47.8 B262

- 106444 HAASE, H. Labor-saving advantages from modern milking barns. (Ge) Landesverband Gartbau. u. Landwirt. Berlin. Mittbl. 14(12):12. Dec.1963. 85 L233  
Layout and equipment.
- 106445 HILLENDAHL, W. Stall construction for swine—viewed by the architect. (Ge) Bauen auf dem Lande 15(7):171-173. July 1964. 296.8 Ar1
- 106446 HOJGAARD-OLSEN, N. J. Swine production in old buildings. (Da) Tolvmandsbladet 36(3):105-108. Mar.1964. 11 T58  
Remodeling of old buildings.
- 106447 HUBBARD, J. R., and COX, W. T. How to ventilate your broiler house. Broiler Business 15(4):44-46,48. Apr.1964. 47.8 B782
- 106448 HUTSCHENREUTHER, G. New stall constructions in Czechoslovakia. (Ge) Tierzucht 17(12):553-555. Dec.1963. 49 T443
- 106449 JANAC, K. Evaluation of microclimate in swine fattening stalls in southern Slovakia. (Cz) Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba 36(11):647-658. Nov.1963. 49.9 C33  
German summary.
- 106450 JEBAUTZKE, W. Stall construction for cattle—viewed by the farmer. (Ge) Bauen auf dem Lande 15(7):160-163. July 1964. 296.8 Ar1
- 106451 KADAR, B. The effect of modern stall systems on the layouts and equipment of farms. (Hu) In Debrecen, Hungary. Mezogazdasagi Akademia. A tiszantuli termeloszovetkezetek gepesitesenek uzemgazdasagi kerdesei, p.142-164. 1962. 58 D352
- 106452 KLINK, G. Present status and perspectives in construction and equipping of layer hen stalls. (Ge) Deut. Agrartechn. 14(7):326-329. July 1964. 58.8 D482
- 106453 KOOMANS, P., and others. Gebouwen, mechanisatie en arbeid op het weidebedrijf. Buildings, mechanization and labour on the dairy farm. Wageningen. Inst. v. Landbbedrijfsgebouwen. P. 16,41 p. May 1962. 49.9 W12P  
G. Postma, G. A. Benders, and G. J. H. Rijkenburg, joint authors.  
English summary.
- 106454 KRUPP, J. H. An inexpensive facility to house farm animals used in research. Lab. Anim. Care 13(4,pt.1):512-516. Aug.1963. 410.9 P94
- 106455 LILLENG, H. The importance of room temperature, heat insulation, and strength of covering for the climate in the dairy barn. (Ge) Landbforsch. Volkenrode 13(1):41-44. Ref. Sept.1963. 18 L2353  
Includes cattle physiology.
- 106456 LLOYD, F., and D'ARMI, F. Environmentally controlled housing boosts broiler performance. Broiler Business 15(5):18-19. May 1964. 47.8 B782
- 106457 MATTSOON, T. Pigsty with solution of problems. (Sw) Tidskr. f. Lantman och Andelsfolk 3:62-63. Feb.15,1964. 20 T43  
Finland.
- 106458 MONTGOMERY, R. G. Woolshed design and function. Massey Agr. Col. Sheepfarming Annu. 1963:213-230. 45.9 M38S  
New Zealand.  
Includes discussion.
- 106459 NOLAND, P. R., SCOTT, K. W., and BAUGUS, C. A. How much housing for winter-fed pigs? Ark. Farm Res. 13(4):7. July/Aug.1964. 100 Ar42F
- 106460 PINGEL, H. New knowledge in poultry rearing; importance of temperature. (Ge) Tierzucht 18(6):317-318. June 1964. 49 T443
- 106461 PORTER, C. Slatted floors for pigs. Queensland Agr. J. 90(5):266-271. May 1964. 23 Q33
- 106462 REISMANN, H. G. Stall construction for cattle—viewed by the architect. (Ge) Bauen auf dem Lande 15(7):163-164,166-167. July 1964. 296.8 Ar1
- 106463 RYDER, H. Loose housing again! (Da) Tolvmandsbladet 36(3):114-115. Mar.1964. 11 T58  
Cattle, comments on article by M. G. Sime-sen.
- 106464 SAINSBURY, D. Pig housing. Ipswich, Farming Press, 1963. 188 p. 46 Sa22
- 106465 SCHMIDT, F. Herringbone stands in economical view. (Ge) Tierzucht 17(12):544-548. Dec. 1963. 49 T443
- 106466 SEGUIN, R. L. Les granges du Quebec du XVII an XIX siecle [Quebec barns from the XVIIth to the XIXth century]. Canada. Natl. Mus. B. 192, 128 p. Ref. 1963. 517 Ot8
- 106467 SMID, M. Large-scale barn for calves at Trutnov. (Cz) Veterinarstvi 14(6):256-260. June 1964. 41.8 V6439
- 106468 STEGENGA, T. A parturition-box for sows. (Du) Tijdschr. v. Diergeneesk. 89(15):1089. Aug.1,1964. 41.8 T431
- 106469 VADASZ, L. Modern stall systems for livestock with special consideration on cattle raising. (Hu) In Debrecen, Hungary. Mezogazdasagi Akademia. A tiszantuli termeloszovetkezetek gepesitesenek uzemgazdasagi kerdesei, p.79-112. 1962. 58 D352

#### Farmhouses and Farmsteads

- 106470 BENZ, R. C. House plans for Arkansas residents. Ark. U. Agr. Ext. C. 510,rev.,42 p. May 1964. 275.29 Ar4
- 106471 EDWARDS, A. D., and JONES, D. G. Housing in South Carolina; its socio-economic context. S. C. Agr. Expt. Sta. B. 511,57 p.,map. Apr. 1964. 100 So8
- 106472 GALIANO S., F., and RADRIGUEZ Z., E. Effect of organic fertilizer composed of city garbage on the production of horticultural crops; field trial with beets. (Sp) Cenicafe 13(4):187-194. Ref. Oct./Dec.1962. 68.29 C332
- 106473 PAN AMERICAN UNION. DEPT. OF STATISTICS. America en cifras 1963, volume IV, situacion social [America in figures 1963, volume IV, social situation.] Washington, D. C., 1964. 167 p. Ref. 150.9 Am35  
Includes data on rural housing.
- 106474 REISCH, F. New houses from Sweden. (Ge) Bauen auf dem Lande 15(6):144-145. June 1964. 296.8 Ar1  
Designs.
- 106475 SCHEWCZIK, R. Central heating in the rural household. (Ge) Forderungsdienst 12(6):198-201. June 1964. 19 F75  
Austria.
- 106476 TAYLOE, G. K., O'BRIEN, C. D., and PARKER, W. R. House planning aids; dining areas. U. S. D. A. Misc. P. 960,4 p. July 1964. 1 Ag84M

#### Greenhouses and Plant Service Buildings

- 106477 BRITISH ELECTRICAL DEVELOPMENT ASSOCIATION. Electricity for the grower. London, 1964. 113 p. (Its EDA2125) 335 B772ELe  
Heating and lighting equipment for greenhouses, chiefly.
- 106478 GIUGLARIS, A. A new technique for heating greenhouses. (Fr) Pepinieristes Hort. Maraichers 48:2167-2168. June/July 1964. 80 P39  
In France.
- 106479 GROENEWEGEN, J. H. Greenhouse horticulture and greenhouse climate. XVIII. (Du) Groenten en Fruit 20(2):59. July 8,1964. 80 G89  
Heating.
- 106480 GROENEWEGEN, J. H. Greenhouse horticulture and greenhouse climate. XIX. (Du) Groenten en Fruit 20(3):97. July 15,1964. 80 G89  
Heating and temperature.
- 106481 LAURENSE, J. Is your greenhouse suitable for early culture? (Du) Groenten en Fruit 20(7):255. Aug.12,1964. 80 G89
- 106482 NISEN, A. Recent progress in horticultural technique. (Fr) Pepinieristes Hort. Maraichers 44:1781-1787. Feb.1964. 80 P39  
Greenhouses.
- 106483 READ, D. C. Ceiling and wall blinds used for maintaining lower air and soil temperatures in greenhouses. Canad. J. Plant Sci. 44(4):386-387. July 1964. 450 C16



- 106484 SHEFFIELD, F. M. L., DICKINSON, P. J., and BOUNDFORD, L. Extension to the East African Plant Quarantine Station. Commonwealth Phytopath. News 10(2):25-26. Apr.1964. 464.8 C73

Greenhouse.

- 106485 SOR, K., DEMENT, J. D., and KELLER, G. F. Automatic irrigation of experimental pot cultures. Agron. J. 56(4):445-446. July/Aug.1964. 4 Am34P

- 106486 SPEK, J. C. Some construction technical notes. (Du) Groenten en Fruit 20(6):229,231,233. Aug.5,1964. 80 G89

Greenhouses.

- 106487 TAVEIRNE, W. A process for the automatic shading of greenhouses. (Fr) Pepinieristes Hort. Maraichers 42:1699-1702. Dec.1963. 80 P39

For control of temperature.

- 106488 TEN YEARS of technical instruction exhibits of the Zentralverband des Deutschen Gartenbaues; a chronology in pictures. (Ge) Tech. im Gartenbau. 12,4 p. Dec.1963. 80 T223

Greenhouses and equipment.

- 106489 VORONKOVA, T. Air heating of greenhouses. (Rus) Tekh. v Sel'sk. Khoz. 6:13-16. June 1964. 58.8 M11

- 106490 WALDMAN, W. R. A practical greenhouse alarm. Amer. Orchid Soc. B. 33(8):690-691. Aug.1964. 80 Am329

On temperature controls.

- 106491 WALKER, J. N. Automatic heat and vent unit developed at Kentucky. Florists' Rev. 134 (3483):13-14. Aug.27,1964. 80 W41

For greenhouses.

- 106492 WALKER, J. N., and ABERNATHIE, J. W. Painting greenhouses and greenhouse equipment. Amer. Orchid Soc. B. 33(9):769-772. Sept.1964. 80 Am329

- 106493 WERMINGHAUSEN, B. The use of synthetic material for the construction of greenhouses. (Fr) Pepinieristes Hort. Maraichers 44:1789-1792. Feb.1964. 80 P39

- 106494 WHITE, R. A. J. Improvements in glasshouse construction. New Zeal. J. Agr. 108(6):569, 571,573,575,577. June 15,1964. 23 N48J

- 106495 WHITE, R. A. J. Vegetable production; glasshouse heating. New Zeal. J. Agr. 108(5):443, 445,447,449. May 15,1964. 23 N48J

#### Storage Structures

- 106496 LISTNER, G. Experiences with straw stacking with various types of field chopper. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(6): 253-256. Ref. June 1964. 18 W763

- 106497 LOWIG, E. A new method for determining the permeability of water vapor in parts of buildings. (Ge) Saatgut-Wirt. 15(12):356. Dec.1963. 61.8 Sal

Seed storage structures.

- 106498 MINSON, D. J. Practical aspects of covering silage with plastic. Ruakura Farmers' Conf. Week. Proc. 1963:209-218. 49.9 R82

Includes discussion.

- 106499 NASONOV, V. S. Mekhanizirovannyi zernopunkt -kazhdomu sovkhovu [Mechanized grain storage establishment for each state farm]. Alma-Ata, Kazakhskoe Gosudarstvennoe Izdatel'stvo Selskokhozyaistvennoi Literatury, 1963. 64-p. 280.359 N18

- 106500 ROHKST, P. A. A potato storage house from prefabricated parts. (Ge) Bauen auf dem Lande 15(6):129-132. June 1964. 296.8 Ar1

- 106501 TILLEY, M. Stores for ware potatoes. Gt. Brit. Min. Agr. Fisheries & Food. Agr. 71(7): 313-317. July 1964. 10 G79J

On farm.

- 106502 WANG, S. C. A storage pit, half above ground, for storing corn stalks. (Ch) Nongye Jishu 8: 51. Aug.1963. 22.5 N929

- 106503 WOOD, N. B. Bulk grain storage. Gt. Brit. Min. Agr. Fisheries & Food. Agr. 71(7):340-341. July 1964. 10 G79J

On the farm.

#### Walls and Fences

- 106504 FRANZKE, H. Some fundamentals of electrical fencing. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(5):226-228. May 1964. 18 W763

- 106505 GARBE, P., MAAZ, E., and JELITTO, R. Construction and function of modern pasture fences. (Ge) Tierzucht 18(1):30-34. Ref. Jan.1964. 49 T443

- 106506 KRUGER, B. Practical instruction of grassland specialists in electrical fencing technique in the Neubrandenburg district. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(5):225-226. May 1964. 18 W763

- 106507 WIEBEL, H. Experiences in construction of pasture fences. (Ge) Tierzucht 18(3):147-149. Mar.1964. 49 T443

#### FARM UTILITIES

##### Electricity and Electrification

- 106508 BYSTRITSKY, D. N. Principles and systems used to automatize the operation of low-capacity thermal power stations supplying electricity to agriculture to meet temporary or exceptional needs. UN Econ. Soc. Council. Econ. Comm. Europe. Comm. Elec. Power. Rur. Elec. E/ECE/EP/ 178:69-76. 1963. 335 Un3952

- 106509 CAMERON-BROWN, C. A. The automatic devices used in electrically-operated installations on farms with livestock, and the economic significance of such automation. UN Econ. Soc. Council. Econ. Comm. Europe. Comm. Elec. Power. Rur. Elec. E/ECE/EP/ 178:51-68. 1963. 335 Un3952

- 106510 CLAPP, N. M. Developing the role of the statewide in rural electrification; remarks before annual meeting of Virginia Association of Electric Cooperatives, Old Point Comfort, Va., April 28, 1964. Washington, U. S. Rural Electrification Admin., 1964. 8 p. A335.9 C53

- 106511 DORAN, S., and CROW, K. Electric project, Unit IV; safe and efficient use of electricity. Wash. State U. Agr. Ext. Ext. Mimeo. 2353, various paging. Nov.1963. 275.29 W27Mi

For 4-H Clubs.

- 106512 FORTENBERRY, F., and MCVEY, J. L. Electricity; your helper, book 2. Miss. State U. Agr. Ext. P. 505,40 p. Apr.1964. 275.29 M68Ext

For 4-H Clubs.

- 106513 FRIEDRICH, J. H. Investigation of methods of reducing peak loads in agricultural undertakings and of ensuring that electric power is used economically. UN Econ. Soc. Council. Comm. Europe. Comm. Elec. Power. Rur. Elec. E/ECE/EP/ 178:101-116. 1963. 335 Un3952

- 106514 GOLDING, E. W., and STODHART, A. H. Agricultural engineering the potentialities for rural electrification in Asia and the Far East. Food Agr. Organ. U. N. Land Water Develop. Div. Inform. Working Bull. 22,53 p. 1962. 290.9 F732

- 106515 HIENTON, T. E., and AHRENS, M. C. Electrical operation, and means of automation used, in large poultry farms for the maintenance of egg-laying poultry and the raising of "broilers." UN Econ. Soc. Council. Econ. Comm. Europe. Comm. Elec. Power. Rur. Elec. E/ECE/EP/ 178:117-133. 1963. 335 Un3952

- 106516 HUANG, T. C. Several problems in the agricultural use of conducting wires. (Ch) Dian-shijie 17(3):89-90. Mar.1964. 335.8 T44

- 106517 IDAHO, UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Electricity for the 4-H scientist; safety, uses, economy. Division II, 4-H electric. Idaho. Agr. Col. Ext. B. 416,50 p. Jan.1964. 100 Id14

- 106518 IDAHO, UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Electricity for the 4-H scientist; safety, uses, economy. Division III, 4-H electric. Idaho. Agr. Col. Ext. B. 417,50 p. Jan.1964. 100 Id14

- 106519 IDAHO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Electricity for the 4-H scientist; safety, uses, economy. Division IV, 4-H electric. Idaho. Agr. Col. Ext. B. 418,50 p. Jan.1964. 100 Id14
- 106520 IRELAND. ELECTRICITY SUPPLY BOARD. 37th annual report for the year ended 31st March, 1964. Dublin, 1964. 46 p.,map. 335.9 Ir4  
Rural electrification included.
- 106521 KREPELKA, J. Technical methods of ensuring automatic voltage control in rural electric supply networks, their efficiency from the economic point of view and field of application. UN Econ. Soc. Counc. Econ. Comm. Europe. Comm. Elec. Power. Rur. Elec. E/ECE/EP/178:77-100. 1963. 335 Un3952
- 106522 LEWIS, E. Planning electrical outlets in the home. Okla. State U. Agr. Ext. C. E-719,12 p. Aug.1964. 275.29 Ok41C
- 106523 LODI, F. Study of the optimum utilization of the agricultural electrical equipment on a farm, particularly from the economic point of view. UN Econ. Soc. Counc. Econ. Comm. Europe. Comm. Elec. Power. Rur. Elec. E/ECE/EP/178:1-50. 1963. 335 Un3952
- 106524 UNITED NATIONS. ECONOMIC COMMISSION FOR EUROPE. Rural electrification. Volume VI. UN Econ. Soc. Counc. Econ. Comm. Europe. Comm. Elec. Power. Rur. Elec. E/ECE/EP/178,133 p. 335 Un3952
- 106525 U. S. RURAL ELECTRIFICATION ADMINISTRATION. A matter of record; a report on an article about REA and its borrowers published in the December 1963 issue of Reader's Digest. Washington, 1963. 15 p. A294.2 R882M  
Cooperatives.

Power Plants, Motors and Engines on the Farm

- 106526 YEN, C. C. The universal shaft coupling utilized in windmills. (Ch) Nongye Jixie Jishu 4(73):19. Apr.1964. 58.8 N922

Sewage and Waste Disposal

- 106527 GUNZEL, W. Design proposition for a carcass disposal house. (Ge) Tierzucht 18(6):308-309. June 1964. 49 T443

Telephones

- 106528 FLORES, A. H. 'Electronic age goes rural!' Telephone Engin. & Mangt. 68(16):60-62. Aug.15,1964. 335.8 T232

Water Supply

- 106529 CHAO, T. K. Why is the exhaust variable on a diesel engine. (Ch) Nongye Jishu 10:54. Oct. 1963. 22.5 N929  
Pump engine.
- 106530 CHEREPNOV, L. Motorless automatic water pumping installation. (Rus) Tekh. v Sel'sk. Khoz. 6:38-42. June 1964. 58.8 M11  
Farm and irrigation supply.
- 106531 CHU, Y. How to take care of water pumps. (Ch) Nongye Jishu 10:52-53. Oct.1963. 22.5 N929
- 106532 HSIAO, K. Y., and CHANG, F. Y. Water wheel pumps and their use. 1. (Ch) Nongye Jixie Jishu 4(73):4-6. Apr.1964. 58.8 N922
- 106533 HSIAO, K. Y., and CHANG, F. Y. Water wheel pumps and their use. 2. (Ch) Nongye Jixie Jishu 5(74):4-7. May 1964. 58.8 N922
- 106534 JOHNSON, H. P. Meter for measuring flow discharge from pipes. Agr. Engin. 45(7):378-379. July 1964. 58.8 Ag83
- 106535 PECK, J. A. Purpose, programs and progress of the Family Farm Improvement Branch. Can. Agr. Eng. 6(1):37-41. Jan.1964. 58.8 C164  
Chiefly on farm water and sewage program within the Saskatchewan Department of Agriculture.
- 106536 TS'AI, C. Y. Shaker pumps, a new type of deep well pump. (Ch) Nongye Jixie Jishu 3(72):25-26. Mar.1964. 58.8 N922
- 106537 YOUNG, R. Raising an overhead tank. Queensland Agr. J. 90(7):412-414. July 1964. 23 Q33



**AGRICULTURAL PRODUCTS: PROCESSING,  
DISTRIBUTION, AND STATISTICS**

**GENERAL**

- 106538 ALMEIDA, A. DE. On anthropology in Garcia de Orta's "Colloquies." (Por) Soc. de Geog. de Lisboa. B. 81(7/12):187-201. July/Dec. 1963. 506 L68  
English summary.  
Includes food products and liquors of India.
- 106539 CUTHBERTSON, D. P. The world food situation as related to knowledge of science and its application. In his Progress in nutrition and allied sciences, p.421-444. Ref. 1963. 389.7 C97P
- 106540 DAVIS, A. L. Food Stamp Plan moves toward approval. Nowest; Miller 271(3):9. Aug.3,1964. 298.8 N81
- 106541 FISHER, C. C. Food and freedom. Amer. Soc. Agron. ASA Spec. P. 1:85-94. Apr.1963. 64.9 Am3  
Relationship of form of government and food production.
- 106542 FREEMAN, O. L. Remarks before the annual convention of the American Trial Lawyers Association, New York City, August 6, 1964. Washington, U.S.D.A., Off. Sec., 1964. 16 p. A31.3 F87  
Food outlook and policies.
- 106543 GRAY, W. D. Fungi as a nutrient source. Biol. Space Syst. Symp. [Pap.] 1962:365-381. 1963. 159.21 B52
- 106544 KEFFORD, J. F. Food science and technology-the international outlook. Food Technol. Austral. 16(6):332-333,335,337. (Cont.) June 1964. 389.8 F7333  
Volatile flavors, standards, and relief programs.
- 106545 KUHN, G. Socialist collective labor in Schafstak, RTS district; some results of the field crop economy. (Ge)\* Deut. Landwirt. 15(6):271 273. June 1964. 18 D4822  
Production.
- 106546 LEWYTZYK, B. Agricultural products in the industrial raw material balance of the U.S.S.R. (Ge) Osteuropa 14(7/8):551-555. July/Aug. 1964. 110 Os7
- 106547 MAYER, J. Food and population: the wrong problem? Daedalus 93(3):830-844. Summer 1964. 500 Am33
- 106548 NASSET, E. S. Report to the Government of India on food and nutrition programmes. Food & Agr. Organ. United Nations. Expanded Tech. Asst. Program. FAO Rpt. 1607,5 p. 1963. 281.9 F733E
- 106549 NATIONAL RESEARCH COUNCIL. FOOD AND NUTRITION BOARD. Directory, July, 1964. Washington, D. C., 1964. 20 p. 225 N2163
- 106550 OOMEN, H. A. P. C. The great hunger. (Du) Voeding 25(6):323-330. June 15,1964. 389.8 V85  
The 1945-46 Irish famine.
- 106551 OSVALD, H. Jorden kan foda oss; jordens befolkning och livsmedelsförsörjningen [The earth can feed us; world population and the food supply]. Stockholm, Natur och Kultur, 1963. 156 p. 389 Os8
- 106552 SIRIEZ, H. What about human health, American agriculture, and hunger in the world? (Fr) Phytoma 15(150):37-41. July/Aug.1963. 464.8 P563
- 106553 STEVENS, R. D. Population, income, and food. U. S. D. A. Ybk. Agr. 1964:53-57. 1 Ag84Y
- 106554 ULMANN, M. Terminology in the field of starches. I. The concept of starches. (Ge) Potsdam. Inst. f. Ernähr. Ernährfosch. 9(1): 38-56. Ref. 1964. 386.3 P84
- 106556 BLINN, R. C. Infrared and ultraviolet spectrophotometry in residue evaluations. Residue Rev. 5:130-138. 1964. 389.9 R314
- 106557 BLINN, R. C. Pesticide residues: a total phosphorus technique for determining organophosphorus pesticide residues using Schoniger flask combustion. J. Agr. & Food Chem. 12(4):337-338. Ref. July/Aug.1964. 381 J8223
- 106558 BUTTIAUX, R. Microorganisms indicative of fecal contamination of water and foods. (Fr) Rev. des Ferment. et des Indus. Aliment. 19(1): 11-17. Ref. 1964. 390.08 R32
- 106559 CHALLACOMBE, J. A., and MCNULTY, J. A. Applications of the microcoulometric titrating system as a detector in gas chromatography of pesticide residues. Residue Rev. 5:57-72. 1964. 389.9 R314
- 106560 CHAUHAN, U. P. S., and SARKAR, B. C. R. A microchemical method for the determination of strontium in some plant materials. Indian J. Chem. 2(5):175-178. Ref. May 1964. 385 In294
- 106561 CLARK, S. J. Quantitative determination of pesticide residues by electron absorption chromatography: characteristics of the detector. Residue Rev. 5:32-44. Ref. 1964. 389.9 R314
- 106562 FREHSE, H. Special features in the analysis of pesticide residue: residue analysis and food control. Residue Rev. 5:1-20. Ref. 1964. 389.9 R314  
Literature review.
- 106563 GAJAN, R. J. Applications of polarography for the detection and determination of pesticides and their residues. Residue Rev. 5:80-90. Ref. 1964. 389.9 R314  
Literature review.
- 106564 GARBUTT, J. L. Inexpensive adsorbents for thin-layer chromatography of carbohydrates. J. Chromatography 15(1):90-92. June 1964. 475 J824
- 106565 GASTON, L. K. Gas chromatography using an electron absorption detector. Residue Rev. 5: 21-31. Ref. 1964. 389.9 R314
- 106566 GUINN, V. P., and SCHMITT, R. A. Determination of pesticide residues by neutron-activation analysis. Residue Rev. 5:148-174. Ref. 1964. 389.9 R314
- 106567 HOLLO, J., and others. Importance and degradation of starches in the Bayer process. II. (Ge) Starke 16(5):167-169. May 1964. 309 St22  
E. Laszlo, J.Szejtli, and A. Lux, joint authors.  
English summary.
- 106568 JOHNS, T., and BRAITHWAITE, C. H. Selective detection and identification of pesticide residues. Residue Rev. 5:45-56. 1964. 389.9 R314
- 106569 JONEIDI, M. J. A short report on fluorine in Iranian diet. Acta Biochim. Iranica 2(1):61-64. Sept.1963. 385 Ac87  
In food and water.
- 106570 KLEIPOOL, R. J. C., and BELZ, R. The mass spectrometer as an aid in the analysis of food. (Du) T.N.O.-Nieuws 19(219):297-301. May 1964. 475 T11
- 106571 KUNZE, A., and others. Some apparatus improvements in the semi-micro Kjeldahl decomposition process in connection with various comparative researches. (Ge) Z. f. Landwirt. Vers. u. Untersuchw. 10(1):55-63. 1964. 18 Z32  
R. Ebeling, H. P. Vielemeyer, and W. Bergmann, joint authors.  
English summary.  
Nitrogen determination.
- 106572 MACDOUGALL, D. The potential of fluorescence for pesticide residue analysis. Residue Rev. 5:119-129. Ref. 1964. 389.9 R314  
Literature review.

**ANALYSIS AND COMPOSITION**

- 106555 AKESON, W. R., and STAHMANN, M. A. A pepsin pancreatin digest index of protein quality evaluation. J. Nutr. 83(3):257-261. Ref. July 1964. 389.8 J82

- 106573 OTA, T., and NAKANO, M. Study on the microbial counting of food. 1. Powder food, fatty food and their raw materials. (Ja) Tokyo. Food. Res. Inst. Rpt. 18:105-110. Mar.1964. 389.9 T57  
English summary.

- 106574 RINNO, G., and BECKER, M. The transfer of amino acid mixtures from paper electropherograms on wedge strips for chromatographic separation. (Ge) *Z. f. Landwirt. Vers. u. Untersuchw.* 10(1):85-90. 1964. 18 Z32 English summary.
- 106575 RITTER, R. Ashing of foods with reference to the volatility of radioactive cesium. (Ge) *Deut. Lebensmtl.-Rundschau* 60(7):210-211. July 1964. 389.8 D482
- 106576 SEGAL, H. S., and SUTHERLAND, M. L. Comparison of flame ionization and electron capture detectors for the gas chromatographic evaluation of herbicide residues. *Residue Rev.* 5:73-79. 1964. 389.9 R314
- 106577 SHINAGAWA, T., HABU, T., and MURAKAMI, A. Studies on the determination of amino acid composition of food proteins. 1. (Ja) *Jap. Soc. Food & Nutr. J.* 16(6):31-36. Ref. 1964. 389.9 J27 English summary.
- 106578 SOUTHWORTH, J. M. L., and STRONG, D. H. Comparison of media for the isolation of *Clostridium perfringens* from food. *J. Milk & Food Technol.* 27(7):205-209. Ref. July 1964. 44.8 J824
- 106579 STUTTGART, CHEMISCHE LANDESUNTERSUCHUNGSANSTALT. Contribution to the rapid determination of important radionuclides ( $^{89}\text{Sr}$ ,  $^{90}\text{Sr}$ ,  $^{131}\text{I}$  and  $^{137}\text{Cs}$ ) in foods and water. II. (Ge) *Deut. Lebensmtl.-Rundschau* 60(7):207-210. July 1964. 389.8 D482
- 106580 SYMPOSIUM ON INSTRUMENTATION FOR THE DETECTION AND DETERMINATION OF PESTICIDES AND THEIR RESIDUES IN FOODS, LOS ANGELES, 1963. [Proceedings]. *Residue Rev.* 5:176 p. Ref. 1964. 389.9 R314
- 106581 SYNGE, R. L. M. Some nutritional aspects of the "non-protein nitrogen" fraction of plants. In Cuthbertson, D. P., ed. *Progress in nutrition and allied sciences*, p.31-41. Ref. 1963. 389.7 C97P Foods.
- 106582 TSUTSUMI, C., KOIZUMI, H., and NAGAHARA, T. Influence of atmospheric relative humidity on moisture determination. (Ja) *Tokyo. Food Res. Inst. Rpt.* 18:94-95. Mar.1964. 389.9 T57 English summary. Rice, flour and starches studied.
- 106583 TUNGER, L. Limiting the concepts of crude fiber and cellulose content. (Ge) *Potsdam. Inst. f. Ernahr. Ernahrforsch.* 9(1):57-59. Ref. 1964. 386.3 P84
- 106584 ULMANN, M. Paper chromatographic capillary analysis of starches as simple control method for research and practice. (Ge) *Starke* 16(5):151-157. Ref. May 1964. 309 St22 English summary.
- 106585 VIRTANEN, A. I. On physiologically significant organic sulphur compounds in food of humans and domestic animals. (Fi) *Suomen Kemistilehti. A.* 37(4):108-125. Ref. 1964. 385 Su7
- 106586 WALKER, H. W. Influence of buffers and pH on the thermal destruction of spores of *Bacillus megaterium* and *Bacillus polymyxa*. *J. Food Sci.* 29(3):360-365. Ref. May/June 1964. 389.8 F7322
- 106587 WINTER, G. D., and FERRARI, A. Automatic wet chemical analysis as applied to pesticide residues. *Residue Rev.* 5:139-147. 1964. 389.9 R314
- 106590 IRVING, G. W., and DETWILER, S. B. Expanding the uses of farm products. *U. S. D. A. Ybk. Agr.* 1964:571-575. 1 Ag84Y
- 106591 IRVING, G. W. New horizons in utilization research. *Chemurg. Digest* 22(5):3-4. July 1964. 381 N213Na
- 106592 LAJOUSE, J. Agriculture-industry liaison. II. United States: the Chemurgic Council. (Fr) *Indus. Aliment. et Agr.* 5:385-387. May 1964. 383 As7
- 106593 ROBERTS, J. B. Measuring consumer response to advertising and other promotion. *Assoc. South. Agr. Workers. Mktg. Sect. Proc.*, 60th Annu. Conv.(paper 10),17 p. 1963. 4 As73P Includes discussion by J. R. Tedford.
- 106594 SVENDSEN, K. Aspects on structural changes in food consumption in Denmark, Norway, and Sweden. (Ge) *Agrarpolit. Rev.* 20(6):217-223. Feb.1964. 281.8 Ag824
- 106595 U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Industrial uses of proteins; a list of publications and patents, 1936-1961, Northern Regional Research Laboratory. *U. S. Agr. Res. Serv. ARS-71-28*,11 p. Dec. 1962. A381 R31Ac
- 106596 U. S. AGRICULTURAL RESEARCH SERV. EASTERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. You and utilization research; career opportunities at Eastern Utilization Research and Development Division. Washington, 1963. 33 p. A330 R312

## DISTRIBUTION, MARKETING, AND TRANSPORTATION

- 106597 ANDRIEU, P. Brief history of the Halles and their environs. (Fr) *Rev. de la Conserve* 19(3):96-97. (Cont.) Apr./May 1964. 389.8 R326
- 106598 ANDRIEU, P. Brief history of the Halles and their environs. (Fr) *Rev. de la Conserve* 19(4):110-111. (Concl.) June 1964. 389.8 R326
- 106599 ASSOCIATION OF SOUTHERN AGRICULTURAL WORKERS. Proceedings, 60th annual convention, Memphis, Tennessee, February. 4-6, 1963. n.p., 1963? various paging. 4 As73P
- 106600 BREIMYER, H. F. Changes in market structure. *U. S. D. A. Ybk. Agr.* 1964:269-278. 1 Ag84Y
- 106601 CAPEL, G. L. Improving extension marketing work. *Assoc. South. Agr. Workers. Mktg. Sect. Proc.*, 60th Annu. Conv.(paper 14),16 p. 1963. 4 As73P Includes discussions by C. L. Scroggs and R. C. Scott.
- 106602 CHAPMAN, W. F., and GODWIN, M. R. Use of controlled experiments to estimate demand. *Assoc. South. Agr. Workers. Mktg. Sect. Proc.*, 60th Annu. Conv.(paper 3),22 p. 1963. 4 As73P Includes discussion by H. L. Steele.
- 106603 CONNER, M. C. The challenge to the economist in marketing. *Assoc. South. Agr. Workers. Mktg. Sect. Proc.*, 60th Annu. Conv. (paper 1),3 p. 1963. 4 As73P
- 106604 DUBOV, I. Efficiency and welfare—implications for marketing research. *Assoc. South. Agr. Workers. Mktg. Sect. Proc.*, 60th Annu. Conv.(paper 12),25 p. 1963. 4 As73P Includes discussions by J. H. Blackstone and W. F. Williams.
- 106605 ERSSON, V. Chains dominate food marketing. (Sw) *Sveriges Jordbrkassseförbund. Jordbrkasserorelsen.* 23(6):225-228,236. 1963. 284.29 Sv2
- 106606 EVTIKHIEV, N. Planning state purchases of farm products. (Rus) *Planovoe Khoz.* 5:78-81. May 1964. 280.8 P69
- 106607 FINDLAY, J. The bill for marketing farm products. *U. S. D. A. Econ. Res. Serv. MTS-154*:12-19. Aug.1964. 1.941 M8M34

## CONSUMPTION AND UTILIZATION

- 106588 CASTIGLIONI, N. V. Symbiosis between agriculture and industry. (It) *Agricoltura* 13(4):105-107. Apr.1964. 16 Ag8226 Creation of the Association Francaise de Chimurgie.
- 106589 EGBERT, A. C. Projections of food consumption to 1968. *U. S. D. A. Econ. Res. Serv. NFS-107*:24-28. Jan.1964. 1.941 S2F73



- 106608 FINDLAY, J., and SCOTT, F. E. Employment in marketing consumer products of farm origin. U. S. D. A. Econ. Res. Serv. MTS-154:20-23. Aug. 1964. 1.941 M8M34  
Situation and outlook.
- 106609 FINNER, W. F. Problems in marketing. U. S. D. A. Ybk. Agr. 1964:581-585. 1 Ag84Y  
Costs.
- 106610 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. SECRETARIAT. Food aid and other forms of utilization of agricultural surpluses; a review of programs, principles and consultations. Food & Agr. Organ. United Nations. FAO Commod. Policy Studies 15,55 p. 1964. 281.9 F733C
- 106611 FREEMAN, O. L. Address at the American Marketing Association dinner, Washington, D. C., Oct. 23, 1963. Washington, U. S. D. A., Off. Sec., 1963. 9 p. A31.3 F87
- 106612 GABET, R. Determination of marketing channels for food products on the Ivory Coast. (Fr) Ivory Coast. Min. de l'Agr. B. de Liaison 23: 28-41. Jan./Feb. 1964. 24 Iv72
- 106613 GIRARD, C. H. Regulating trade amid changes. U. S. D. A. Ybk. Agr. 1964:282-291. 1 Ag84Y  
Marketing.
- 106614 HAN, T. Y. Let us improve and strengthen procurement. U. S. Joint Publications Res. Serv. Econ. Rep. N. Korea 110:1-6. Jan. 31, 1964. 173 J663Er  
Translation from Nodong Sinmun 343:2. Dec. 9, 1963.
- 106615 HOECKER, R. W. Supermarkets around the world. U. S. D. A. Ybk. Agr. 1964:279-281. 1 Ag84Y
- 106616 HOFMANN, F. Fresh from the market: sturdy wishes; practical hints for cooperation between agriculture and retail trade. (Ge) Raiffeisen-Rundschau 16(3):82-83. 1964. 284.28 R132  
Food marketing.
- 106617 HOOS, S. The agriculture-industry relationship in the United States. (Fr) Indus. Lait. 212:245-250. July/Aug. 1964. 44.8 In2  
Marketing.
- 106618 KIRK, J. H. Marketing today: new perspectives. Gt. Brit. Min. Agr. Fisheries & Food. Agr. 71 (7):301-304. July 1964. 10 G79J
- 106619 KLEISS, H. The tasks of marketing cooperatives, especially in relation to the large area economy. (Ge) Landwirt. Genossenschaft. 11:61-74. 1963. 280.28 L232  
Austria.
- 106620 KRIESBERG, M. Trends in the school market for food. U. S. D. A. Econ. Res. Serv. MTS-154:33-36. Aug. 1964. 1.941 M8M34  
National School Lunch Program.
- 106621 MINTZ, S. W. Market systems and whole societies. Econ. Devlpmt. & Cult. Change 12(4): 444-448. July 1964. 280.8 Ec7226
- 106622 MULLER, G. Site problem of agricultural products and marketing directions. (Ge) Deut. Raiffeisntag. Verhandlber. 1963:125-140. 284.29 D485  
Marketing and transportation problem in Germany within the framework of the E.C.C.
- 106623 POLOZHENIYA o postavkakh produktsii i tovarov. Instruksii o poryadke priemki po kolichestvu i po kachestvu. Osobyie usloviya postavki; sbornik normativnykh aktov [Decrees on delivery of products and commodities. Instructions on the order of receipt according to quantity and quality. Special conditions of delivery; a collection of regulations]. Ed. 2. With changes and additions as of Jan. 1, 1963. Moskva, Gosudarstvennoe Izdatel'stvo Literatura, 1963. 783 p. 280.3 P76
- 106624 PURCELL, J. C. A critical appraisal of demand analysis. Assoc. South Agr. Workers. Mktg. Sect. Proc., 60th Annu. Conv. (paper 2), 21 p. Ref. 1963. 4 As73P  
Includes discussion by C. E. Shafer, and M. E. Abel.
- 106625 RAUNIKAR, R. A step form model determining short-run equilibrium of markets and firms. Assoc. South Agr. Workers. Mktg. Sect. Proc., 60th Annu. Conv. (paper 9), 13 p. 1963. 4 As73P  
Includes discussion by T. E. Tramel.
- 106626 RAY, L. How organized marketing can improve grower returns. Agr. Mktg. 9(8):14. Aug. 1964. A280.38 Ag8  
Cooperatives in Colorado.
- 106627 ROTTERDAM. KAMER VAN KOOPHANDEL EN FABRIEKEN. Jaarverslag [Annual report], 1963. Rotterdam, 1963. 364 p. 287 R742J  
Includes marketing and trade in agricultural products.
- 106628 SCHILLING, H. Concentration on the West German food market. (Ge) Z. f. Agrarikon. 7(7):215-219. 1964. 281.8 Z3
- 106629 SCHNEIDER, J. B. Informe al Gobierno de Venezuela sobre la comercializacion de los productos agropecuarios y las politicas de precios [Report to the Government of Venezuela on the marketing of agricultural products and price policies]. Food & Agr. Organ. United Nations. Expanded Tech. Asst. Program. FAO Rpt. 1690,7 p. 1963. 281.9 F733E
- 106630 SCHWARZBACH, R., and JALAS, G. Problems of transportation requirements on socialist farms in the North of the DDR. (Ge) Z. f. Agrarikon. 7(7):211-215. 1964. 281.8 Z3
- 106631 SHERMAN, R. W., PONDER, H., and KOO, Y. W. Cashier labor scheduling in supermarkets. Ohio. Agr. Expt. Sta. Res. C. 132, 10 p. July 1964. 100 Oh3R
- 106632 SIERRA LEONE. PRODUCE MARKETING BOARD. Fifteenth annual report and accounts for the year ended 30th June, 1963. Freetown, 1964. 18 p. 280.39 Si1
- 106633 SIMMONS, R. L. The ideal program to precede work in marketing. Assoc. South Agr. Workers. Mktg. Sect. Proc., 60th Annu. Conv. (paper 13), 26 p. 1963. 4 As73P  
Includes discussions by R. E. Branson and W. W. McPherson.
- 106634 STEWART, I. Farmers' transport costs in the Highlands. Scot. Dep. Agr. Fish. Scot. Agr. Econ. 14:223-245, map. 1964. 281.9 Sco3S
- 106635 TETU, R. The trans-Andean system of the South; a contribution to the regional planning of the southern cone of South America. (Ge) Bad Godesberg. Inst. f. Raumforsch. Inform. 14(10): 321-348, map. 280.9 B643I  
Railroad transportation system, including the carrying of agricultural products; storage and refrigeration set-up; and other regional industries; Chile and Argentina.
- 106636 THOMAS, J. R. Marketing today; group trading. Gt. Brit. Min. Agr. Fisheries & Food. Agr. 71(6):263-265. June 1964. 10 G79J  
British cooperatives.
- 106637 TRELOGAN, H. C. The evolution of competitive markets. U. S. D. A. Ybk. Agr. 1964:261-269. 1 Ag84Y
- 106638 U. S. CONGRESS. SENATE. COMMITTEE ON COMMERCE. Study of food marketing. Hearings, 88th Cong., 2d sess. on S.J. Res. 71. Part I-II. Washington, 1964. 2 v. 280.3 Un326  
Hearings held March 23-24, April 8-30, 1964. Pt. II. are Hearings on S.J. Res. 71, as amended.
- 106639 U. S. CONGRESS. SENATE. COMMITTEE ON COMMERCE. Transportation Act amendments-1963. Hearings 88th Cong., 1st sess. on S. 1061, a bill to exempt certain carriers from minimum rate regulation in the transportation of bulk commodities, agricultural and fishery products, and passengers, and for other purposes; and S. 1062, a bill to provide for strengthening and improving the national transportation system, and for other purposes. Washington, 1964. 2 v. 289.4 Un35  
Hearings held May, June, Sept., and Oct. 1963.
- 106640 U. S. CORPS OF ENGINEERS. Waterborne commerce of the United States, calendar year 1962; water carriage ton-miles; supplement 2 to part 5, national summaries. Washington, 1963? 25 p. 152.25 W29

# GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

- 106641 ANET, E. F. L. J., and INGLES, D. L. Mechanism of inhibition of non-enzymic browning by sulphite. *Chem. & Indus.* 29:1319. Ref. July 18, 1964. 382 M31C  
In foods.
- 106642 BLEIER, R. International butter testing in Paris. (Ge) *Osterr. Milchwirt.* 19(1):2-6. Jan. 7, 1964. 44.8 Os72
- 106643 BUSING, K. H. Problems of community feeding from the viewpoint of the social hygienist. (Ge) *Ernahr.-Umschau* 11(3):63-66. Mar. 1964. 389.8 Er66
- 106644 CHAPMAN, R. A. The problem of pesticide residues in foods. *Can. Agr. Chem. Ass. Annu. Meeting Conf., 11th Annu. Meeting Conf.*:42-45. 1963. 381 C163
- 106645 CORNWELL, P. B. Insecticides and food. *Brit. Food J.* 66(787):100-102. Ref. Aug. 1964. 389.8 B77  
Residue protection.
- 106646 DIENGOTT, O., and others. Hypokalaemia in barium poisoning. *Lancet* 2(7355):343-344. Aug. 15, 1964. 448.8 L22  
O. Rozsa, N. Levy, and S. Muammar, joint authors.  
Cases of food poisoning, caused by barium carbonate, in Israel.
- 106647 DOLMAN, C. E. Botulism. *Amer. J. Nursing.* 64(9):119-124. Sept. 1964. 448.8 Am323  
*Clostridium botulinum* in food poisoning.
- 106648 GRAEFE, G. Evaluation of modified starches from the health and food legislation point of view. (Ge) *Starke* 16(5):158-163. Ref. May 1964. 309 St22  
English summary.
- 106649 HAKEN, J. W., and HARDON, H. J. Radioactive contamination of food in 1963. (Du) *Voeding* 25(6):314-322. June 15, 1964. 389.8 V85  
English summary.  
Netherlands.
- 106650 HAKEN, J. W., and HARDON, H. J. The radioactivity inspection of the Keuringsdienst van Waren, Amsterdam. (Ge) *Deut. Lebensmtl.-Rundschau* 60(7):205-207. July 1964. 389.8 D482
- 106651 KENNEDY, J. G. Checkweighing food. *Food Processing & Packaging* 33(395):303-306. Aug. 1964. 389.8 F738
- 106652 KOENIG, N. International food standards. *Agr. Mktg.* 9(8):6-7. Aug. 1964. A280.38 Ag8  
Codex Alimentarius Commission, organized by the Food and Agriculture Organization and the World Health Organization; includes conference.
- 106653 KRAAK, W. Weaknesses of the unfinished reform of the food law for the economy and for international legal uniformity. (Ge) *Bund f. Lebensmtlrecht. u. Lebensmtlk. Schreibe.* 48:7-27. 1963. 389.9 B88  
German food regulation in relation to the Codex Alimentarius.
- 106654 LARIVEE, J. M. Botulinic food poisoning. (Fr) *Quebec Lait.* 23(7):22-24, 38. Ref. July 1964. 44.8 Q3
- 106655 LARRICK, G. P. The baker and the pure food laws. *Bakers Wk.* 202(8):38-40. May 25, 1964. 389.8 B172
- 106656 MEYER, J., and OXHOJ, P. A salmonellosis epidemic. (Da) *Danske Dyrlaegerfor. Medlemsbl.* 47(15):810-819. Aug. 1, 1964. 41.9 D23  
Caused by *Salmonella typhimurium* in food.
- 106657 MOSSEL, D. A. A. Essentials of the assessment of the hygienic condition of food factories and their products. *J. Sci. Food & Agr.* 15(6):349-362. Ref. June 1964. 382 So12
- 106658 NUSE, K. H. Situation in German food law. (Ge) *Bund f. Lebensmtlrecht. u. Lebensmtlk. Schreibe.* 48:46-64. 1963. 389.9 B88
- 106659 RAMOS, V. P. Aspects of pesticide residues. (Por) *Gaz. do Agr.* 15(173):295-303. Oct. 1963. 24 G25  
In plants.
- 106660 RIEDL, O. The Codex Alimentarius Europaeus at the crossroads. (Fr) *Indus. Aliment. et Agr.* 5:381-382. May 1964. 383 As7
- 106661 RIVERA, J. Strontium-90 and calcium in infant diets, 1963. *Radiol. Health Data* 5(7):335-336. July 1964. 151.65 R11
- 106662 SAINT RAT, DE. The quarrel of the food codices. (Fr) *Acad. d'Agr. de France. Compt. Rend.* 50(6):576-582. Apr. 8/15, 1964. 14 P215Bc  
International.  
Includes discussion.
- 106663 SANDERS, A. Accurate weighing-a "must" in the canning industry. *Canning Trade* 87(3):6, 8. Aug. 10, 1964. 286.83 T67
- 106664 SCHMITT, N. Do insecticides injure health? (Ge) *Mitt. der Deut. Landwirt.-Gesell.* 79(26):961-962. June 25, 1964. 18 N39  
Food contamination.
- 106665 SCHWARZ, A. Provisions on food additives in the American Food, Drug, and Cosmetic Act. (Ge) *Deut. Lebensmtl.-Rundschau* 60(7):216-219. (Cont.) July 1964. 389.8 D482
- 106666 SUTHERLAND, M. L., and SEGAL, H. S. Amiben residues in food crops. *Hormolog* 4(1):8-10. Nov. 1963. 381 H78
- 106667 TILGNER, D. J. How to improve sensory quality scoring; procedures by objective weighting. *Food Mfr.* 39(8):34-39, 46. Ref. Aug. 1964. 389.8 F736
- 106668 TOWNSHEND, F. Progress in work on international food standards. *Food Technol. Austral.* 16(9):342-343, 345. (Cont.) June 1964. 389.8 F7333
- 106669 U. S. AGRICULTURAL MARKETING SERV. MARKETING INFORMATION DIV. Checklist of U.S. standards for farm products. U. S. Agr. Mktg. Serv. AMS-210, rev., 16 p. Ref. July 1964. A280.39 M34Am
- 106670 U. S. FOOD AND DRUG ADMIN. Notices of judgment under the Federal Food, Drug, and Cosmetic act, 29201-29300. *Foods. Washington, 1964.* 134 p. 1 F732Nf
- 106671 VASCONI, M. Economic and commercial consequences of foodstuff infestation. (It) *Corso di Qualificazione Tec. in Ent. Merceologica. Atti* 1963:113-118. 1964. 423.92 C81  
Includes regulation and inspection.
- 106672 WEISS, H. The scientific work of the Bund fur Lebensmittelrecht und Lebensmittelkunde e. V. in the fiscal year. (Ge) *Bund f. Lebensmtlrecht. u. Lebensmtlk. Schreibe.* 48:28-45. 1963. 389.9 B88

## PACKING AND PACKAGING

- 106673 HEISS, R. Plastics for the packing of foods. (Ge) *Kunststoffe* 50(1):75-81. Jan. 1960. 309.8 K96  
English summary, p. 7 of supplement.
- 106674 HETHERINGTON, S. The closing of food containers. (Ge) *L und E* 17(6):13-14. June 1964. 389.8 Z34
- 106675 ROBINSON-GORNHARDT, L. Problems of suitability of plastics in food packaging in Europe. (Ge) *Kunststoffe* 53(8):517-520. Aug. 1963. 309.8 K96  
English summary, sup., p. 3.
- 106676 U. S. CONGRESS, SENATE, COMMITTEE ON THE JUDICIARY. Packaging and labeling legislation. Hearings, 88th Cong., 1st sess. pursuant to S. Res. 56 on S. 387. Part 3, Appendix. Washington, 1963. p. 841-974. 280.3 Un35P

## PRICES, PRICE CONTROL, AND RATIONING

- 106677 BANTZER, G. Share of agriculture in consumer expenditures. (Ge) *Mitt. der Deut. Landwirt.-Gesell.* 79(30):1065-1066. July 23, 1964. 18 N39



- 106678 FREEMAN, O. L. Agriculture Secretary debates food prices. *Nation's Business* 52(8):10. Aug.1964. 286.8 N212
- 106679 GANGULI, B. N. Agricultural development and the price mechanism. *Indian J. Agr. Econ.* 19 (1):9-23. Jan./Mar.1964. 281.8 In2
- 106680 GERARD, P. Les prix en agriculture durant l'annee 1963 [Prices in agriculture during the year 1963]. Brussels. *Inst. Econ. Agr. Cahiers I.E.A.* 18(ED-11),38 p. May 1964. 281.9 B832 Belgium.
- 106681 GROPELLI, F. The point of view of a farmer on the production of food types. (It) *B. dell'Agr.* 98(1):1-2. Jan.10,1964. 16 B87 Prices and controls.
- 106682 LECERF, J. Extend the horizon. (Fr) *Agr. Prat.* 128(6):8-9. June 1964. 14 J82 Prices of agricultural products on the European market.
- 106683 NETTO, D. D. Minimum prices established for the 1963/64 crop year. (Por) *Agr. em Sao Paulo* 11(1/2):17-21. Jan./Feb.1964. 9.2 Ag823
- 106684 SCHLOTTER, H. G. Agricultural price policy and agricultural structure policy—opposition or unity? (Ge) *Agrarwirtschaft* 13(7):209-217. July 1964. 281.8 Ag826 English summary.

## PROCESSING AND STORAGE

- 106685 ASSOCIATION DE LA PRESSE ALIMENTAIRE. Development of structure in the processing industries (debate of April 15, 1964). (Fr) *Rev. de la Conserve* 19(4):37-91. June 1964. 389.7 R326 Includes papers on the situation in the processed food industry by C. Bonnet, P. Bonis, M. Chacun, R. Jore, P. Sahonet, and F. Y. Le Bihan.
- 106686 BATDORF, J. B. How cellulose gum can work for you. *Food Engin.* 36(8):66-68. Aug.1964. 389.8 F737
- 106687 BLANDFORD, F. About food preservation and refrigeration; its relation to health. London, Thorsons, 1963. 63 p. 389.3 B612
- 106688 BRANDL, E. Amino acid fermentation. (Ge) *Verssta. f. das Garungsgewerbe. Mitt* 18(5/6):59-70. Ref. May/June 1964. 390.08 V67
- 106689 BROSIA, J. A., BANKS, M. R., and BORMUTH, W. D. Capacity of refrigerated warehouses in the United States, October 1, 1963. Washington, 1964. 22 p.,map. 1.9 Ed7Tab Statistics.
- 106690 BROSIA, J. A. Refrigerated warehouse space for farm originated products increased again in 1963. *Agr. Situation [Washington]* 48(8):6-7. Aug.1964. 1 Ec7Ag Statistics.
- 106691 DAVIS, L. G. Compound promising for enhancing flavour of wide variety of foods. *Austral. Food Mfr. & Distrib.* 33(11):17. June 8,1964. 389.8 Au7 Synthetic potato chip flavor.
- 106692 DIEMAIR, W. Function and destiny of sulfuric acids in foods. (Ge) *Bund f. Lebensmtlrecht. u. Lebensmtlk. Schreibe.* 48:65-79. 1963. 389.9 B88 In food processing.
- 106693 GENEVOIS, L. The French fermentation industries. (Fr) *Indus. Aliment. et Agr.* 5:399-406. (Cont.) May 1964. 383 As7
- 106694 COLUMBIC, C. Maintaining quality of farm crops. *U. S. D. A. Ybk. Agr.* 1964:291-302. 1 Ag84Y In storage; includes inspection.
- 106695 HEGEMANS, G. J. Sterilizers of the rotary type. (Du) *Conserva* 12(7):160-166. Jan.1964. 389.8 C7632 For food.
- 106696 HEGEMANS, G. J. Symposium on the technical carrying out of continuous pasteurizing and sterilizing of foods. (Du) *Conserva* 12(7):160-166. (Cont.) Jan.1964. 389.8 C7632
- 106697 HERSICZKY, A., and SIMONYI, J. M. Cleaning and bleaching of starch hydrolizates through technical use of ion exchanges. (Ge) *Starke* 16(5):163-166. May 1964. 309 St22 English summary.
- 106698 HOON, V. N. Warehousing of farm produce. *Warehousing Newslett.* 6(8):63-64,67. Oct./Dec. 1963. 280.38 W22 India.
- 106699 INTERNATIONALER KALTEKONGRESS, MUNICH, 1963. Report. (Ge) *Schlacht- u. Viehhof-Zig.* 64(1):14-17. Jan.1964. 286.85 D48 Summaries of papers.
- 106700 KEMPF, N. W. The application of fluidized bed techniques to the food industry. *ZSW [Zucker-Susswaren-wirtsch.]* 16(10):518-520. Oct.1963. 286.86 Z6
- 106701 KRAMER, A. In-line control of bacteria build-up in processing. *J. Milk & Food Technol.* 27 (7):216-219. July 1964. 44.8 J824
- 106702 LICENCE, A. Home freezing. *Home Econ. & Dom. Subj. Rev.* 10(8):10-15. Aug.1964. 321.8 H759
- 106703 LONCIN, M. The education of the "Ingenieur-Technicien des Industries Alimentaires" at the CERIA [Centre d'Enseignement et de Recherches des Industries Alimentaires]. (Fr) *Vita* 20(14):677,679,681-682. Sept.30,1963. 389.8 V834
- 106704 LOWRY, C. D., and COCROFT, R. Information retrieval. I. *Food Processing* 25(6):105-108, 114. June 1964. 389.8 F7325
- 106705 MATTHEE, F. N., and MARAIS, P. G. Preservation of food by means of gamma rays. *Food Irradiation* 4(1/2):A10-A17. July/Dec. 1963. 389.8 F7383
- 106706 NATIONAL CANNERS ASSOCIATION. Canned food pack statistics 1963. Washington, D. C., 1964. 79 p. 389.9 N214Ca
- 106707 NATIONAL CANNERS ASSOCIATION. Canners directory 1963-64. Washington, D. C., 1963. 163 p. 389.9 N214
- 106708 NEW YORK STATE CANNERS AND FREEZERS ASSOCIATION. 1963 directory, volume 6. Rochester, N. Y., 1963. 128 p.,map. 225 N487
- 106709 OLSON, R. L., and RASMUSSEN, C. L. Processing and preservation. *U. S. D. A. Ybk. Agr.* 1964:309-313. 1 Ag84Y Food.
- 106710 RASTOGI, M. K., and MURTI, C. R. K. Effect of pretreatment on the extration of proteins from plant sources. *Biotechnol. & Bioengin.* 6(2):167-171. Ref. June 1964. 381 J8224
- 106711 ROMAN, R. VON. Freezing, defrosting, and preparation of frozen products in diet cookery. (Ge) *Ernahr.-Umschau* 11(3):70,72-74. (Cont.) Mar.1964. 389.8 Er66
- 106712 ROMAN, R. VON. Freezing, defrosting, and preparation of frozen products in diet cookery. (Ge) *Ernahr.-Umschau* 11(4):96,98,100. (Cont.) Apr.1964. 389.8 Er66
- 106713 ROSSET, F. Industrial freeze-drying in the food field. (Fr) *R. T. I. A.* 121:67,69,71,73,75, 77. June 1964. 389.8 R325
- 106714 RYALL, A. L. The storage of farm crops. *U. S. D. A. Ybk. Agr.* 1964:303-308. 1 Ag84Y
- 106715 RYS, R. The value of protein produced on petroleum based medium by biosynthesis. (Pol) *Nowe Roln.* 13(3):32-33. Feb.1/15,1964. 20.5 N86
- 106716 SALLES, C. Choice and preparation of products destined to be frozen. (Fr) *Pepinieristes Hort. Maraichers* 44:1813-1814. Feb.1964. 80 P39
- 106717 SALLES, C. The techniques of freezing and quick freezing of agricultural products. (Fr) *Pepinieristes Hort. Maraichers* 43:1765-1766. Jan.1964. 80 P39 Food.
- 106718 SCHUURMANS, C. J. Sterilizers with air or smoke gasses as heating medium. (Du) *Conserva* 12(8):188-194. Feb.1964. 389.8 C7632 For food.
- 106719 SIMMICH, J. International situation and development trends in refrigerated warehouse construction. (Ge) *Fleischermeister* 18(5):118-123. Ref. May 1964. 50.8 F622

- 106720 SWAINE, R. L. Flavoring materials—a current review. *Amer. Perfumer & Cosmetics* 79(7): 35-44. Ref. July 1964. 308.8 Am3
- 106721 SYMPOSIUM on the technical execution of continuous pasteurizing and sterilizing of foods. (Du) *Conserva* 12(8):188-194. Feb. 1964. 389.8 C7632
- 106722 TROUT, S. A. What's new in food freezing? *Austral. Refrig. Air Cond. & Heating* 18(6):19-20, 23-24. June 1964. 295.8 R255
- 106723 U. S. DEPT. OF AGRICULTURE, ECONOMIC RESEARCH SERV. The freeze-drying industry: projections of capital and labor requirements, 1963-70, by K. Bird. Washington, 1964 9 p. A295 B53  
Not available for free distribution. Photocopies may be ordered from the Library.
- 106724 VENEZUELA. DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Existencia de productos perecederos en los frigorificos con capacidad superior a 300 M<sup>3</sup> 1963 [Existence of perishable products in refrigerated warehouses with capacity more than 300 M<sup>3</sup> 1963]. 1964. p 13. 255.9 Ec74Ex
- 106725 WEISSER, H., and NEUHAUSER, S. Storage and packing of dried foods. (Ge) *Verpackungs-Rundschau* 8:20, 24, 26, 28, 30. May 1964. 280.38 V592
- 106726 ZACHARIAS, R. Preservation through freezing. (Ge) *Ernahr.-Umschau* 11(1):7-9. (Cont.) Jan. 1964. 389.8 Er66
- 106727 ZACHARIAS, R. Preservation through freezing. (Ge) *Ernahr.-Umschau* 11(2):33-35. (Concl.) Ref. Feb. 1964. 389.8 Er66
- STATISTICS
- 106728 ARKANSAS. AGRICULTURAL EXPERIMENT STATION. 1963 agricultural statistics for Arkansas. *Ark. Agr. Expt. Sta. Rpt. Ser.* 128, 42 p., map. Aug. 1964. 100 Ar42R  
U. S. Dept. of Agriculture, cooperating.  
Crop reporting.
- 106729 BULGARIA. TSENTRALNO STATISTICHESKO UPRAVLENIE. Statisticheski godishnik na Narodna Republika Bulgariya [Statistical yearbook of the Bulgarian People's Republic], 1963. Sofiya, 1963. 613 p., map. 267.3 St2An  
Includes agriculture.
- 106730 COLORADO CROP AND LIVESTOCK REPORTING SERV. Colorado agricultural statistics; 1963 preliminary, 1962 final. Denver, 1964. 81 p., map. 252.11 Im6A
- 106731 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ETUDES ECONOMIQUES. Annuaire statistique de la France, 1963; resultats de 1962; soixante-neuvieme volume, nouvelle serie, No. 11 [Statistical annual of France, 1963; results for 1962; sixty-ninth volume, new series, No. 11]. Paris, 1963. various paging, map. 260 An7  
Agricultural statistics included.
- 106732 HAWAII CROP AND LIVESTOCK REPORTING SERV. Statistics of Hawaiian agriculture 1963. n.p., 1964? 59 p. 252.20 C78  
Hawaii State Department of Agriculture and Statistical Reporting Service of U.S. Department of Agriculture, cooperating.
- 106733 JAISWAL, R. N., and TIWARI, K. N. Revised series of index numbers of agricultural production in Madhya Pradesh, 1949-50 to 1962-63. *Agr. Situation India*. 18(12):857-860. Mar. 1964. 281.9 In23
- 106734 KOREA. ECONOMIC PLANNING BOARD. Korea statistical yearbook, 11th, 1964. n.p., 1964. 487 p. 269.7 K846  
Text also in Korean.  
Contains chapters on agriculture and trade.
- 106735 MAITRA, T., and ROY, MRS. B. Regional variations in yield per acre of major crops in India (1950-51 to 1959-60). *Indian J. Agr. Econ.* 19(1):168-176. Jan./Mar. 1964. 281.8 In2
- 106736 NEBRASKA, DEPT. OF AGRICULTURE AND INSPECTION. Nebraska agricultural statistics; annual report 1962; preliminary 1963. Lincoln, 1964. 136 p., map. 2 N274  
Issued by State-Federal Division of Agricultural Statistics; U. S. Statistical Reporting Service, cooperating.
- 106737 NEW SOUTH WALES. STATISTICIAN. Statistical register: rural industries and settlement and meteorology, 1961-62. Sidney, 1963. 123 p., map. 271.1 St2S
- 106738 NEW YORK CROP REPORTING SERV. New York State field crops 1949-1963. N. Y. Crop Rptg. Serv. AMA Release 83, 23 p. July 1964. 280.3939 N483  
Statistical Reporting Service of U. S. Department of Agriculture and Bureau of Statistics, New York State Department of Agriculture and Markets, cooperating.
- 106739 PHILIPPINES. NATIONAL ECONOMIC COUNCIL. The food balance sheets of the Philippines for 1953 to 1962. Philippines. Natl. Econ. Council. *Status. Rptr.* 7(4):1-47. Oct./Dec. 1963. 273 N21S
- 106740 PURVES, C. M. Getting and using statistics. U. S. D. A. *Ybk. Agr.* 1964:415-422. 1 Ag84Y  
Crop statistics around world.
- 106741 QUEENSLAND. BUR. OF CENSUS AND STATISTICS. Rural production, Queensland, 1962-63; rural population, labour, equipment, and miscellaneous products. Brisbane, 1963. 4 p. 271.3 St2R
- 106742 RYUKYU ISLANDS (U. S. CIVIL ADMIN.). Ryukyu Islands facts book. San Francisco, 1963. loose-leaf. 269.7 R992R  
Kept up to date by supplementary and revised sheets.  
Includes agriculture and forestry.
- 106743 SHOKURYO-CHO. Shokuryo kanri tokei nempo, 1962 [Food management statistical yearbook, 1962]. Tokyo, 1963. 492 p. 389.9 J272S
- 106744 SODERLIND, T. Objective harvest estimate in 1963. (Sw) *Jordbrekon. Meddel.* 26(4):104-111. Apr. 1964. 257.3 J76  
English summary, p. 96.
- 106745 SOUTH CAROLINA. AGRICULTURAL EXPERIMENT STATION. The agriculture of Colleton County, South Carolina. S. C. Agr. Expt. Sta. AE 261, 19 p., map. June 1964. 281.9 C59  
U. S. Department of Agriculture, cooperating.  
Statistics.
- 106746 SWEDBORG, E. Swedish crop production trends. (Sw) *Jord-Groda-Djur* 20:9-13. 1964. 11 J763  
Acreage and yields.
- 106747 TAIWAN. NUNG YEH P'U CH'A WEI YUAN HUI. Chung-hua min kuo wa shih nien T'ai-wan sheng nung yeh p'u ch'a pao kao; ch'uan mien i pan nung hu, Miaoli hsien. [Report on the 1961 census of agriculture, Taiwan, Republic of China; individual farm household, Miaoli Hsien]. Taipei, 1963. 429 p. 269.7 F767Cm
- 106748 TAIWAN. NUNG YEH P'U CH'A WEI YUAN HUI. Chung-hua min kuo wu shih mien T'ai-wan sheng nung yeh p'u ch'a pao kao; ch'uan mien i pan nung hu, Changhwa hsien [Report on the 1961 census of agriculture, Taiwan, Republic of China; individual farm household, Changhwa Hsien]. Taipei, 1963. 575 p. 269.7 F767Ch
- 106749 TAIWAN. NUNG YEH P'U CH'A WEI YUAN HUI. Chung-hua min kuo wu shih nien T'ai-wan sheng nung yeh p'u ch'a poa kao; ch'uan mien i pan nung hu, Sinchu hsien. [Report on the 1961 census of agriculture, Taiwan, Republic of China; individual farm household, Sinchu Hsien]. Taipei, 1963. 351 p. 269.7 F767Cs
- 106750 TAIWAN. NUNG YEH P'U CH'A WEI YUAN HUI. Chung-hua min kuo wu shih nien T'ai-wan sheng nung yeh p'u ch'a pao kao; ch'uan mien p'u ch'a i pan nung hu, Kao-hsiung hsien [Report on the 1961 census of agriculture, Taiwan, Republic of China; individual farm household, Kaohsiung Hsien]. Taipei, 1963. 603 p. 269.7 F767Ck



- 106751 TAIWAN. NUNG YEH P'U CH'A WEI YUAN HUI. Chung-hua min kuo wu shih nien T'ai-wan sheng nung yeh p'u ch'a pao kao; ch'uan mien p'u ch'a i pan nung hu, P'ing-tung hsien [Report on the 1961 census of agriculture, Taiwan, Republic of China; individual farm household, Pingtung Hsien]. Taipei, 1963. 721 p. 269.7 F767Cp
- 106752 TAIWAN. NUNG YEH P'U CH'A WEI YUAN HUI. Chung-hua min kuo wu shih nien T'ai-wan sheng nung yeh p'u ch'a pao kao; ch'uan mien p'u ch'a i pan nung hu, T'ai-chung hsien [Report on the 1961 census of agriculture, Taiwan, Republic of China; individual farm household, Taichung Hsien]. Taipei, 1963. 463 p. 269.7 F767Cts
- 106753 TAIWAN. NUNG YEH P'U CH'A WEI YUAN HUI. Chung-hua min kuo wu shih nien T'ai-wan sheng nung yeh p'u ch'a pao kao; ch'uan mien p'u ch'a i pan nung hu, T'ai-nan hsien [Report on the 1961 census of agriculture, Taiwan, Republic of China; individual farm household, Tainan Hsien]. Taipei, 1963. 681 p. 269.7 F767Ct
- 106754 TAIWAN. NUNG YEH P'U CH'A WEI YUAN HUI. Chung-hua min kuo wu shih nien T'ai-wan sheng nung yeh p'u ch'a pao kao; ch'uan mien p'u ch'a i pan nung hu, T'ai-nan shih [Report on the 1961 census of agriculture, Taiwan, Republic of China; individual farm household, Tainan City]. Taipei, 1963. 184 p. 269.7 F767Ctn
- 106755 TAIWAN. NUNG YEH P'U CH'A WEI YUAN HUI. Chung-hua min kuo wu shih nien T'ai-wan sheng nung yeh p'u ch'a pao kao; ch'uan mien p'u ch'a i pan nung hu, T'ai-tung hsien [Report on the 1961 census of agriculture, Taiwan, Republic of China; individual farm household, Taitung Hsien]. Taipei, 1963. 379 p. 269.7 F767Cta
- 106756 TAIWAN. NUNG YEH P'U CH'A WEI YUAN HUI. Chung-hy min kuo wu shih nien T'ai-wan sheng nung yeh p'u ch'a pao kao; ch'aun mien p'u ch'a i pan nung hu, Nan-tou hsien [Report on the 1961 census of agriculture, Taiwan, Republic of China; individual farm household, Nantou Hsien]. Taipei, 1963. 331 p. 269.7 F767Cn
- 106757 TJERNSTROM, O. The supplies of agricultural products in 1963. (Sw) Jordbrekon. Meddel. 26(5):129-138. May 1964. 257.3 J76  
English summary, p.128.
- 106758 U. S. S. R. TSENTRAL'NOE STATISTICHE-SKOE UPRAVLENIYE. SSSR v tsifrakh v 1963 godu; kratkii statisticheskii sbornik [USSR in figures for 1963; brief statistical returns]. Moskva, Izdatel'stvo Statistika, 1964. 223 p. 267 Un35St  
Includes agriculture.
- 106759 UNITED NATIONS. STATISTICAL OFF. Statistical yearbook 1962, fourteenth issue. New York, 1963. 687 p. 250 Un32  
Text also in French.  
Includes statistics for agriculture.
- 106760 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Conservation Reserve Program and land use adjustment program, statistical summary, 1963. Washington, 1964. 48 p.,map. A56.9 C73C
- 106761 U. S. BUR. OF THE CENSUS. Annual survey of manufactures 1962. Washington, 1964. 483 p. 157.41 An72  
Includes statistics for the food, tobacco, lumber and wood products, and rubber industries.
- 106762 U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Statistics on the European Economic Community. 2. Agricultural production and consumption. U. S. D. A. Econ. Res. Serv. ERS-Foreign-46,204 p.,map. July 1963. A281.9 Ag83
- BEVERAGES AND CONDIMENTS
- 106763 ALANNO, A. D'. Second degree associations. (It) Verona, Italy 1(3):24-28. July 26, 1963. 287 V592  
Wine and horticultural cooperatives.
- 106764 AMERICAN SOCIETY OF BREWING CHEMISTS. ASBC convention. Amer. Brewer 97(7):19-23. (Cont.) July 1964. 390.8 Am3  
Summaries of papers.
- 106765 AMERINE, M. A. Wine. Sci. Amer. 211(2):46-56. Aug. 1964. 470 Sci25  
Chiefly manufacture.
- 106766 BARROS, M. D. S. Coffee situation. (Por) Agr. em Sao Paulo 11(1/2):37-41. Jan./Feb. 1964. 9.2 Ag823
- 106767 BARTHOLOMEW, A. P. Impressions: Jugoslavia's wine industry. Wines & Vines 45(7):17-18. July 1964. 95.8 C122
- 106768 BOURQUIN, C. Pattern of production and trade: Europe's wine. EFTA Bulletin 4(6):8-9,13. June 1963. 286.9 Eu7
- 106769 BOWSER, W. C., and KEVORKIAN, A. G. Tea the world over. U. S. D. A. Ybk. Agr. 1964: 190-194. 1 Ag84Y  
Industry.
- 106770 BOZZINI, G. Considerations on Verona viticulture. (It) Verona, Italy 1(3):29-31. July 26, 1963. 287 V592  
Grape and wine industry.
- 106771 CABEZA B, J. The coffee-drying plant. (Sp) Cafe Peruano 17:13-20. (Cont.) Mar. 1964. 68.28 C118  
This section on design and construction of the plant.
- 106772 CARLES, J., and LAVILLE, C. Studies on the possibilities of fractionating must with a continuous presser to eliminate certain parts. (Fr) Acad. d'Agr. de France. Compt. Rend. 50(7):640-645. Apr. 22/29, 1964. 14 P215Bc
- 106773 CASSINELLI, C. The fascinating itinerary of coffee. (Sp) Cafe Peruano 14:14-15; 16:14-15; 17:8-9,16, map. Dec. 1963, Feb.-Mar. 1964. 68.28 C118  
History, in Peru.
- 106774 COMPANIA SALVADORENA DE CAFE. Estadística del cafe [Coffee statistics] October 1962-September 1963. Co. Salvadorena de Cafe. B. 50,98 p. 1963. 68.29 C73B
- 106775 CONFERENCIA CAFETERA NACIONAL, BOGOTA, 1960. Agreements, resolutions, and proposals. (Sp) Rev. Cafetera de Colombia 16(138-A):37-46. Mar. 1964. 68.28 R32
- 106776 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 10, TBILISSI, 1962. [Proceedings]. (Fr) Off. Internatl. de la Vigne et du Vin. B. 37(399):490-503. (Cont.) May 1964. 390.8 B87  
German report by H. Schanderl and Moroccan report by A. Bousquet on oxidation reduction phenomena during wine aging and Austrian report by Schneider on use of antiseptics in wine in connection with sulfur dioxide.
- 106777 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 10, TBILISSI, 1962. [Proceedings]. (Fr) Off. Internatl. de la Vigne et du Vin. B. 37(400):611-622. (Cont.) June 1964. 390.8 B87  
Bulgarian reports by T. A. Tontchev, Z. Koleva, and L. Dekov, and Israeli report by E. Rosenstein and P. S. Rosenthal on use of antiseptics in wine in association with sulfur dioxide.
- 106778 CONGRESO NACIONAL DE CAFETEROS, 22, BOGOTA, 1961. Agreements, resolutions, and proposals. (Sp) Rev. Cafetera de Colombia 16(138-A):11-35. Mar. 1964. 68.28 R32
- 106779 CONGRESO NACIONAL DE CAFETEROS, 23, BOGOTA, 1962. Extraordinary session-resolution. (Sp) Rev. Cafetera de Colombia 16(138-A):47-51. Mar. 1964. 68.28 R32
- 106780 CONGRESO NACIONAL DE CAFETEROS, 24, BOGOTA, 1962. Agreements, resolutions, and proposals [and] declaration of the Departmental committees of coffee growers. (Sp) Rev. Cafetera de Colombia 16(138-A):53-64. Mar. 1964. 68.28 R32
- 106781 CONGRESO NACIONAL DE CAFETEROS, 25, BOGOTA, 1963. Agreements, resolutions, and proposals. (Sp) Rev. Cafetera de Colombia 16(138-A):69-91. Mar. 1964. 68.28 R32

- 106782 DALMASSO, G. Aging of the Barbera d'Asti. (It) Colt. e Gior. Vinic. Ital. 110(5):179-181. May 1964. 16 C72
- 106783 DALMASSO, G. The 1963 vintage according to official data of the Istituto di Statistica. (It) Colt. e Gior. Vinic. Ital. 110(6):198-201. June 1964. 16 C72  
Grapes and wine.
- 106784 DALMASSO, G. The regulation of origin wines. (It) Colt. e Gior. Vinic. Ital. 110(6):219-220. June 1964. 16 C72
- 106785 DALMASSO, G. Wine museum. (It) Cron. Econ. 258:21-39. June 1964. 280.8 C882
- 106786 DEUTSCHE GESELLSCHAFT ZUR FÖRDERUNG DER BRAUWISSENSCHAFT. 7th annual report of activities, by R. Biergans. (Ge) Brauwelt 104(51/52):1036-1038. June 25/30, 1964. 390.8 B732
- 106787 DYR, J., and MOSTEK, J. A continuous decoction mashing process. (Ge) Brauwissenschaft 17(6):223-228. Ref. June 1964. 390.8 B733  
English summary.
- 106788 FEDERACION CAFETALERA DE AMERICA. Memoria [Report], 1962/1963. Fed. Cafetal. de Amer. P. 103,36 p. 1963. 68.29 F3123
- 106789 FEDERACION DE CAFETEROS DE COLOMBIA. Report of the general manager, Dr. A. Gomez Jaramillo, to the twenty-fifth Congreso Nacional de Cafeteros. (Sp) Rev. Cafetera de Colombia 16(138-A):93-117, map. Mar. 1964. 68.28 R32  
On the general coffee situation.
- 106790 FERENCZI, S., and ERCZHEGYI, L. Bentonite treatment of wine. (Hu) Budapest. Szolesz. Kutato Intezet. Kutatasi Eredmenyei 2:54-57. 1963. 95.9 B85S
- 106791 FRANKE, G. Relation of sugars to non-sugars in malt worts. (Ge) Brauwelt 104(51/52):1017-1024. June 25/30, 1964. 390.8 B732
- 106792 GHOSH, B. N. Suitability test of pumps for mechanical transport of coffee in a factory. Kenya Coffee 29(341):185,187,189,191. May 1964. 68.29 C652  
In Kenya.
- 106793 GRACIAS A, C. The ability of the Asociacion Nacional del Cafe to reelect its directors. (Sp) Rev. Cafetal. 33:7-12. May 1964. 68.28 R322  
Guatemala.
- 106794 GRECO, I. Protection of wine name and regulation of alcoholic content. (It) Giurisprudenza Agr. Ital. 9(9):423-426. Sept. 1962. 16 G44
- 106795 GUIDE to transportation: people-to-people. World Coffee & Tea 5(3):35-36. July 1964. 286.83 W89  
Directory of ocean freight shipping for coffee and tea.
- 106796 HERRERA GRAY, M. Coffee crisis? (Sp) Cafe Peruano 15:6-7. Jan. 1964. 68.28 C118
- 106797 HOGGAN, J. Recent developments in brewing technology. Food Mfr. 39(8):40-46. Ref. Aug. 1964. 389.8 F736
- 106798 HURT, L. C., and SCHOLL, J. C. What's behind the coffee break. U. S. D. A. Ybk. Agr. 1964:184-189. 1 Ag84Y  
World coffee industry.
- 106799 INDIA. DIRECTORATE OF ECONOMICS AND STATISTICS. All-India final estimate of black pepper (*Piper nigrum*), 1963-64. New Delhi, 1964. 3 p. 269.5 In2Abp
- 106800 INGUNZA S, M. A. Popular cooperation and coffee culture. (Sp) Cafe Peruano 17:12,16. Mar. 1964. 68.28 C118  
In Peru.
- 106801 INIGO LEAL, B., and BRAVO ABAD, F. Acidity and yeasts of wine. IV. (Sp) Rev. de Cien. Apl. 17(92):214-217. May/June 1963. 475 R324
- 106802 INIGO LEAL, B., and BRAVO ABAD, F. Acidity and yeasts of wine. VI. (Sp) Rev. de Cien. Apl. 17(94):406-409. Ref. Sept./Oct. 1963. 475 R324
- 106803 ITO, H., and EBINE, H. On the hardness of miso estimated by jelly tester. (Ja) Tokyo. Food Res. Inst. Rpt. 18:43-45. Mar. 1964. 389.9 T57  
English summary.
- 106804 ITO, H., and EBINE, H. On the lactic acid bacteria isolated from "nukamiso" and dried food of oyster. (Ja) Tokyo. Food Res. Inst. Rpt. 18:23-27. Ref. Mar. 1964. 389.9 T57  
English summary.  
Pickled condiment.
- 106805 ITO, H., EBINE, H., and KOSAKA, S. On the property of lactic acid bacteria in commercially available starter for making miso and soy sauce. (Ja) Tokyo. Food Res. Inst. Rpt. 18:28-35. Ref. Mar. 1964. 389.9 T57  
English summary.
- 106806 ITO, H., and EBINE, H. Study on lactic acid bacteria in miso. 1. Isolation of lactic acid bacteria from miso. (Ja) Tokyo. Food Res. Inst. Rpt. 18:1-8. Ref. Mar. 1964. 389.9 T57  
English summary.
- 106807 ITO, H., and others. Study on lactic acid bacteria in miso. 2. Investigation on their distribution in various type of miso. (Ja) Tokyo. Food Res. Inst. Rpt. 18:9-13. Ref. Mar. 1964. 389.9 T57  
H. Ebine, S. Furusho, S. Kosaka, joint authors.  
English summary.
- 106808 ITO, H., and EBINE, H. Study on lactic acid bacteria in miso. 3. On Enterococcus group. (Ja) Tokyo. Food Res. Inst. Rpt. 18:14-22. Ref. Mar. 1964. 389.9 T57  
English summary.
- 106809 KIPPHAN, H. The avoidance of beer oxidation through atmospheric oxygen. (Ge) Brauwelt 104(50):1005-1006. June 23, 1964. 390.8 B732
- 106810 KNORR, F. Sugar mercaptals and sunlight flavor. (Ge) Brauwissenschaft 17(6):212-213. June 1964. 390.8 B733  
English summary.
- 106811 LEGLISE, M. Problems of preservation and stability of wines. I. (Fr) Rev. des Ferment. et des Indus. Aliment. 19(1):5-10. 1964. 390.08 R32
- 106812 LIPSKY, H. T. Military testing of coffee purchases; forty one million pound coffee customer sets rigid tests for quality standard; invites roasters to compete for business. Tea & Coffee Trade J. 127(1):19-21. July 1964. 68.8 T22
- 106813 LOCKHART, E. E. The chemistry of roasted coffee and of the beverage in relation to the requirements of the profession. (Fr) Cafe Vert 167:1-3. Apr. 1964. 286.2689 F31
- 106814 LOMKATSI, T. S. Transformation of 2C14-acetic acid by yeasts during alcoholic fermentation. (Rus) Akad. Nauk Gruzinskoi SSR. So-obshcheniya 33(3):573-578. Ref. Mar. 1964. 511 Ak146  
Grapejuice used.
- 106815 MACRAE, R. M. Significance of the use of hops in regard to the biological stability of beer, I. Inst. Brewing. J. 70(4):340-344. Ref. July/Aug. 1964. 390.9 In7
- 106816 MARECA, I., and GONZALEZ, A. On the composition of the coloring matter of red wines. (Fr) Indus. Aliment. et Agr. 5:391-397. May 1964. 383 As7
- 106817 MATSUURA, S., and others. Inorganic components of tree-ashes used in the manufacture of "tane-koji." (Ja) Tokyo. Food Res. Inst. Rpt. 18:64-66. Mar. 1964. 389.9 T57  
H. Ito, T. Ota, and M. Nakano, joint authors.  
English summary.  
"Tane-koji" is used in the manufacturing of miso.
- 106818 MENCHU, J. F. Coffee drying. (Sp) Cafe Peruano 15:14-16; 16:10-13,17. Jan.-Feb. 1964. 68.28 C118
- 106819 MENCHU, J. F. The determination of quality in coffee. (Sp) Rev. Cafetal. 32:11-20. Apr. 1964. 68.28 R322
- 106820 MENCHU, J. F. The excess of silver film in golden coffee. (Sp) Rev. Cafetal. 30:6-8. Feb. 1964. 68.28 R322  
Quality of coffee reduced by "skin" on the coffee bean.
- 106821 MENCHU, J. F. Wooden front with rubber battens for cylindrical pulpers. (Sp) Rev. Cafetal. 29:19-20. Jan. 1964. 68.28 R322



- 106822 MERCZ, A., and ERCZHEGYI, L. Evaluation of the new wine press and other various equipment chains based on must sediment. (Hu) Budapest. Szolesz. Kutato Intezet. Kutatasi Eredmenyei 2:47-53. 1963. 95.9 B85S
- 106823 MERCZ, A., and PREHODA, J. Modern technology in white and red wine manufacture. (Hu) Budapest. Szolesz. Kutato Intezet. Kutatasi Eredmenyei 2:42-46. 1963. 95.9 B85S
- 106824 MONTANER ESTEVE, J. The vineyard in Penades. (Sp) Cult. Mod. 47(1):12. Jan.1964. 15 C89  
Grape and wine industry.
- 106825 NAGARATHNAMMA, M., and SIDDAPPA, G. S. Analysis and detection of adulteration in vinegar—a review. Indian Food Packer 18(2):8-10. Ref. Mar./Apr.1964. 389.8 In25
- 106826 NAGARATHNAMMA, M., DWARAKANATH, C. T., and PRUTHI, J. S. Changes in the chemical composition of the raw material during the preparation of vinegar. Indian Food Packer 18(2):4-7. Mar./Apr.1964. 389.8 In25
- 106827 NAGARATHNAMMA, M., PRUTHI, J. S., and SIDDAPPA, G. S. Variations in the physico-chemical characteristics of commercial vinegars (brewed & synthetic) manufactured in India. Indian Food Packer 18(2):15-19. Mar./Apr.1964. 389.8 In25
- 106828 NAKANO, M., and others. Application of defatted rice bran for making "nukamiso." (Ja) Tokyo. Food Res. Inst. Rpt. 18:40-42. Mar. 1964. 389.9 T57  
S. Kimura, G. Takema, T. Ota, H. Hieda, and H. Sasaki, joint authors.  
English summary.  
Pickle condiment.
- 106829 NAKANO, M., and OTA, T. On the strains of commercially available "tane-koji" (mold starter) for making miso. (Ja) Tokyo. Food Res. Inst. Rpt. 18:60-63. Mar.1964. 389.9 T57  
English summary.
- 106830 NEW YORK COFFEE AND SUGAR EXCHANGE. 81st annual report delivered to the members of the Exchange at their eighty-first annual meeting held January 10, 1963. New York, 1963. 12 p. 287 N4892A
- 106831 1964/65 GUIDE to coffee/tea transportation. World Coffee & Tea 5(3):11-12,14,16,18,20,22, 24,26-32. July 1964. 286.83 W89  
Directory of steamship lines and agents.
- 106832 1964/65 GUIDE to world tea; country data. 1. Asia. World Coffee & Tea 5(3):56,58,60,62,64, 66-70. July 1964. 286.83 W89  
Statistics.
- 106833 1964/65 GUIDE to world tea; country data. 2. Africa. World Coffee & Tea 5(3):71-76. July 1964. 286.83 W89  
Statistics.
- 106834 1964/65 GUIDE to world tea; summary data. World Coffee & Tea 5(3):53-54. July 1964. 286.83 W89  
Statistics.
- 106835 1964/65 GUIDE to world tea. 3. South America. World Coffee & Tea 5(3):76-77. July 1964. 286.83 W89  
Statistics.
- 106836 ORNANO, M. D., HAHN, D., and POUGNEAUD, S. Determining the water content in raw coffee; a study of certain methods for contents higher than 11%. (Fr) Cafe, Cacao, The 8(2): 113-132. Apr./June 1964. 68.8 C112  
English summary.
- 106837 OTA, T., NAKANO, M., and HIEDA, H. Effect of several preservatives on keeping quality of vinegar. (Ja) Tokyo. Food Res. Inst. Rpt. 18: 36-39. Mar.1964. 389.9 T57  
English summary.
- 106838 PAN-AMERICAN COFFEE BUR. Annual coffee statistics, No. 27, 1963. New York, 1964. 96 p. 286.3689 P19
- 106839 PERRY, F. Cocoa powder: alkalising, pulverising and tempering processes. Confectionery Prod. 30(4):271,273,315. Apr.1964. 389.8 C762
- 106840 PESZESZER, GY. Regulating acid content of wine with ion exchange resin. (Hu) Budapest. Szolesz. Kutato Intezet. Kutatasi Eredmenyei 2:58-62. 1963. 95.9 B85S
- 106841 PETERSON, D. G. Side effects from the use of insecticides. I. Taint and residues. Cacao Mirid Contr. Conf. Proc. 1963:24-27. 1964. 68.39 C643  
In cocoa.  
Includes discussion.
- 106842 PFENNINGER, K. One hundred years of the Schweizerischer Weinbauverein. (Ge) Schweiz. Z. f. Obst- u. Weinbau 73(15):397-401. July 25, 1964. 80 Sch9
- 106843 POTGIETER, W. A. Bantu beer. So. African Indus. Chem. 17(10):204-206. Oct.1963. 385 So8
- 106844 PRUTHI, J. S., NAGARATHNAMMA, M., and SIDDAPPA, G. S. Detection of adulteration in vinegar by application of V.R.S. [Volatile reducing substances] technique and paper chromatography. Indian Food Packer 18(2):11-14. Mar./Apr.1964. 389.8 In25
- 106845 RANKINE, B. C. Microbial selection and adaption in wine. Food Technol. Austral. 16(6):325, 327,329-330. Ref. June 1964. 389.8 F7333
- 106846 RIBEREAU-GAYON, P., and BOIDRON, J. N. Composition of an essence extracted from a wine of V. vinifera (Cabernet-Sauvignon variety). (Fr) Soc. Chim. de France. B. 6:1415-1420. Ref. June 1964. 383 P21B
- 106847 RIBEREAU-GAYON, P., and STONESTREET, E. The composition of the tannins of grapes and wine. (Fr) Acad. d'Agr. de France. Compt. Rend. 50(7):662-671. Ref. Apr.22/29, 1964. 14 P215Bc  
Includes discussion.
- 106848 RINKE, W. The role of barley fats in malting and brewing. Brewers Digest 39(7):58-64. Ref. July 1964. 390.8 B75
- 106849 SAAVEDRA, I. J., and GARRIDO, J. M. The flor yeast aging of wine: ethanol in the metabolism at the obscure phase. (Sp) Rev. de Cien. Apl. 17(95):497-501. Ref. Nov./Dec.1963. 475 R324
- 106850 SCHANDERL, H. Microbiology of cork. (Por) Portugal. Junta Nac. da Cortica. B. 26(305):51-55. (Concl.) Mar.1964. 309.9 J96  
Used in bottling wines.
- 106851 TAKAGI, H., FUJIYAMA, R., and NAGASAWA, T. Studies on the qualities of home made soybean paste used by farm families. 1. (Ja) Jap. Soc. Food & Nutr. J. 16(6):5-8. 1964. 389.9 J27  
English summary.  
Miso.
- 106852 THOMAS, J., AND CO. Statistics metric relating to the production, prices, sale and exports etc. of tea. Calcutta, 1964. 50 p. 286.3689 T36S
- 106853 UNITED STATES BREWERS ASSOCIATION. The brewing industry in the United States; brewers almanac, 1964. New York, 1964. 120 p. 390.9 Un3B  
Statistical.
- 106854 VIA COLL, C. How should agricultural products be processed? (Sp) Cult. Mod. 47(1):10-11. Jan.1964. 15 C89  
Wine marketing and trade.
- 106855 VIANA, F. R. The world coffee situation is sick. (Sp) Cafe de El Salvador 33(376/381): 157-158. Mar./Aug.1963. 68.28 C112
- 106856 VIENNA. VERSUCHSSTATION FÜR DAS GARUNGSGEWERBE, BERUFSSCHULE FÜR BRAUER, MALZER UND DESTILLATEURE MIT OFFENTLICHKEITSRECHT. Annual report for the school year 1963/64. (Ge) Verssta. f. das Garungsgewerbe. Mitt 18(5/6):70-71. May/June 1964. 390.08 V67
- 106857 WEINFURTER, F., WÜLLINGER, F., and PIENDL, A. Malt quality—wort composition—fermentation. 2. (Ge) Brauwissenschaft 17(6): 201-212. Ref. June 1964. 390.8 B733  
English summary.

- 106858 WELLHOENER, H. J. Considerations on the ripening of beer. (Ge) Brauwelt 104(49):985-991. June 18, 1964. 390.8 B732
- 106859 WEYH, H. Quick beer—a new variant in beer preparation? (Ge) Brauwelt 104(51/52):1028. June 25/30, 1964. 390.8 B732
- 106860 WILBAUX, R. Agricultural engineering: coffee processing. Food Agr. Organ. U.N. Land Water Develop. Div. Inform. Working Bull. 20,204 p. 1963. 290.9 F732
- 106861 WOLFROM, M. L., and PATIN, D. L. Isolation and characterization of cellulose in the coffee bean. J. Agr. & Food Chem. 12(4):376-377. July/Aug. 1964. 381 J8223

## DAIRY PRODUCTS

- 106862 BARABASH, S. Activity of dairy industry of RSFSR in 1953 and outlook for 1964. (Rus) Moloch. Promysh. 3:7-12. Mar. 1964. 44.8 M734
- 106863 CANADIAN DAIRY AND ICE CREAM JOURNAL. Directory of Canadian dairy associations, national and provincial, executive officers and directors. Canad. Dairy & Ice Cream J. 42(11):78-81. Nov. 1963. 44.8 C162
- 106864 CANADIAN DAIRY AND ICE CREAM JOURNAL. Directory of Canadian dairy schools and university departments, staff members and their special fields. Canad. Dairy & Ice Cream J. 42(11):81. Nov. 1963. 44.8 C162
- 106865 CONNER, M. C. Dairy. Va. Polytech. Inst. Agr. Ext. Va. Farm Econ. 185:15-18. May/June 1964. 275.29 V813  
Situation and outlook in Virginia.
- 106866 DOOSE, W. Characteristics of technical appraisal of new milk plant plants within the framework of the structural improvement of dairying. (Ge) Deut. Molk.-Ztg. 85(31):1307-1310. July 30, 1964. 44.8 Su2
- 106867 ERHART, G. Development and present situation of the dairy industry. (Ge) Osterr. Milchwirt. 19(3):33-34. Feb. 7, 1964. 44.8 Os72
- 106868 ERHART, G. The economic and legal aspects of the Austrian dairy industry. (Ge) Osterr. Milchwirt. 19(12):213-216. June 21, 1964. 44.8 Os72
- 106869 FREIRER, F., FERNANDEZ, A., and MARTINO, J. D. Study and plan of promotion for the fluid milk industry. (Sp) Indus. Lech. 46(536/537):49-52, 54, 70, 72-73. (Cont.) Mar./Apr. 1964. 44.8 In26  
Argentina.
- 106870 GUERALT, A. M. A dairy program for the tropics. (Fr) Indus. Lait. 212:223-228. July/Aug. 1964. 44.8 In2
- 106871 HANSEN, R. Objectives in the Danish dairy industry. III. (Da) Nord. Mejeri-Tidsskr. 30(4):58, 64. 1964. 44.8 N752
- 106872 HECHER, M. The development of Emmental cheese production. (Ge) Osterr. Milchwirt. 19(9):145-147. May 7, 1964. 44.8 Os72
- 106873 HOHNE, J. New dairy buildings. (Da) Nord. Mejeri-Tidsskr. 30(6):104-105, 110. 1964. 44.8 N752
- 106874 KOPYLOV, P. Forgotten source. (Rus) Sel'sk. Khoz. Kazakhstana 4:50-51. 1964. 20 K185  
Karakul sheep milk.
- 106875 MADDEVER, K. Cheese, Sir? English, of course! Caerphilly. Gt. Brit. Min. Agr. Fisheries & Food. Agr. 71(6):278-281. June 1964. 10 G79J
- 106876 MAYER, K. Investments—planning, financing, and control. (Ge) Osterr. Milchwirt. 19(6):94-96. Mar. 21, 1964. 44.8 Os72
- 106877 MORK, R. Dairy industry and dairying tasks and development in our society through 50 years. (No) Meieriposten 53(28):681-686. (Concl.) July 11, 1964. 44.8 M47
- 106878 NEW ZEALAND. DEPT. OF AGRICULTURE. List of creameries, factories, private dairies, and packing houses, July 1963. Wellington, 1964. 22 p. 44.9 N484A
- 106879 OSHIMA, K. The present dairy farming policy and some problems. (Ja) Nogyo to Keizai 30(1):26-32. Jan. 1964. 281.8 N682
- 106880 PACIFIC DAIRY & POULTRY ASSOCIATION. Yearbook & directory 1964. San Francisco, 1964. 128 p. 286.85 P112C
- 106881 PADBERG, D. I., and CLARKE, D. A. Structural changes in the California fluid milk industry; their effects on competition and market performance. Calif. Agr. Expt. Sta. B. 802, 56 p., map. Ref. June 1964. 100 C12S
- 106882 PHILIPPI, K. Milk and dairy products. (Ge) Ernähr.-Umschau 11(1):17-18. Jan. 1964. 389.8 Er66
- 106883 QUAYLE, J. R. Informe al Gobierno de Chile: programa de producción lechera [Report to the Government of Chile: dairy production program]. Food & Agr. Organ. United Nations. Expanded Tech. Asst. Program. FAO Rpt. 1612, 19 p. 1963. 281.9 F733E
- 106884 ROED, G. Soft cheeses in USSR. (Da) Ostehandleren 48(8):649, 651. 1964. 280.38 Os72
- 106885 SALA-ESCOLES, E. The dairy industry in Spain. (Sp) Inst. Agr. Catalan de San Isidro. Rev. 113(6):128-130. June 1964. 15 Sa5
- 106886 SAVAGE, K. G., and others. Conservative optimism is feeling of most of Canada's dairy commissioners. Canad. Dairy & Ice Cream J. 43(1):28-33. Jan. 1964. 44.8 C162
- 106887 STROBEL, D. R., and CROCKETT, S. L. Milk and dairy products. U. S. D. A. Ybk. Agr. 1964:155-160. 1 Ag84Y  
World industry.
- 106888 U. S. CONGRESS. HOUSE COMMITTEE ON AGRICULTURE. Veterans and Armed Forces dairy program. Hearing 88th Cong., 2d sess. on H. R. 9696, H. R. 10250, and H. R. 10658, April 9, 1964. Washington, 1964. 25 p. 281.344 Un33V
- 106889 WANIEK, J. The activity of a farm adviser. (Ge) Osterr. Milchwirt. 19(2):20-21. Jan. 21, 1964. 44.8 Os72
- 106890 WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. 4-H dairy products demonstration program, county report. Wash. State U. Agr. Ext. Ext. Mimeo. 2374, 1 p. Jan. 1964. 275.29 W27Mi
- 106891 WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. 4-H dairy products demonstration program, score card for judging demonstrations. Wash. State U. Agr. Ext. Ext. Mimeo. 2373, 1 p. Jan. 1964. 275.29 W27Mi
- 106892 WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. 4-H dairy products demonstration program sponsored by Washington Dairy Products Commission. Wash. State U. Agr. Ext. Ext. Mimeo. 2372, 3 p. Jan. 1964. 275.29 W27Mi
- 106893 WEBER, F. The cheese of Beaufort or Gruyere of Beaufort. (Fr) Nancy. Ecole Natl. Super. Agron. B. 6(1):55-77. (Cont.) 1964. 64.9 N15
- 106894 WETTLIN, D. The future of the dairy industry is up to you. South. Dairy Prod. J. 76(2):96-98, 100. Aug. 1964. 44.8 So83
- 106895 ZEILINGER, A. Glimpses of the New Zealand dairy industry. (Ge) Osterr. Milchwirt. 19(7):111-113, map. Apr. 7, 1964. 44.8 Os72

## Analysis and Composition

- 106896 AIYAR, K. R., and WALLACE, G. M. The phosphamidase action of rennin on casein. J. Dairy Res. 31(2):175-184. Ref. June 1964. 44.8 J823
- 106897 ALAIS, C., and JOLLES, P. The action of rennin on casein. (Fr) Lait 44(435/436):259-273. (Concl.) Ref. May/June 1964. 44.8 L143  
English summary.
- 106898 ALBONICO, F., and RESMINI, P. Research on hypoacid milk, slow to coagulate with rennet, produced in the lower Po Plain. (It) Latte 38(7):585-596. (Cont.) July 1964. 44.8 L35
- 106899 BINGHAM, E. W., and ZITTLE, C. A. Ribonuclease of bovine milk: purification and properties. Arch. Biochem. & Biophys. 106(1/3):235-239. Ref. July 20, 1964. 381 Ar2



- 106900 BIZOLLON, C. A., and MORET, R. Application of gamma spectrometry to the study of the radioactive contamination of milk. (Fr) Lait 44(435/436):241-250. Ref. May/June 1964. 44.8 L143  
English summary.
- 106901 BOLCATO, V., and PALLAVICINI, C. Histochemistry applied to the study of cheeses. J. Histochem. & Cytochem. 12(6):482-483. June 1964. 381 J8222
- 106902 BRANDL, E. Methodical research on the determination and isolation of fat-splitting microorganisms. (Ge) Osterr. Milchwirt. 19(3, wiss.beilage):11-17. Ref. Mar.7,1964. 44.8 Os72  
English summary.  
In milk.
- 106903 COULSON, E. J., and STEVENS, H. Ribonuclease of bovine milk: serological relationship to pancreatic ribonuclease. Arch. Biochem. & Biophys. 107(2):336-340. Ref. Aug.1964. 381 Ar2
- 106904 GEDEK, W., DUNKEL, R., and KOTTER, L. Occurrences of antibiotic resistant strains of Micrococcaceae family in milk. (Ge) Tierarztl. Umschau 19(7):337-340. July 1,1964. 41.8 T445
- 106905 GIROUX, R. N. Determination of the solids-not-fat content of milk with Golding hydrometer beads. (Fr) Quebec Lait. 23(7):12-15. Ref. July 1964. 44.8 Q3
- 106906 JACOBSEN, K. Rapid method for the determination of solids-not-fat in milk. (Da) Maelkeritidende 77(28):575-580. (Concl.) July 10, 1964. 44.8 M26
- 106907 KOYAMA, S., SUZUKI, K., and OGAWA, Y. Studies on the relation between fat content and protein content of cow's milk. (Ja) Tokyo. Nihon Univ. Col. Agr. Vet. Med. Bull. 16:36-46. Mar.1963. 41.9 T5762  
English summary.
- 106908 KOZA, J., and MOTEJLOVA, A. Growth of tissue cultures in media containing delipidized milk. I. The growth-promoting properties of the different components of delipidized milk. (Cz) Ceskoslov. Epidemiol. Mikrobiol. Imunol. 13(1): 8-11. Jan.1964. 44.8 C332  
English summary.
- 106909 LIGHTBODY, L. G. Media containing penicillin for detecting spoilage organisms in milk and cream. Austral. J. Dairy Technol. 19(2):81-84. Ref. June 1964. 44.8 Au74
- 106910 MCDONALD, I. J. Characteristics of proteinases of 3 strains of Staphylococcus lactis isolated from Cheddar cheese. J. Dairy Res. 31(2):147-153. Ref. June 1964. 44.8 J823
- 106911 MCDOWELL, J. A new method of dispensing amyl alcohol for the Gerber test. Dairy Indus. 29(7):516-517. July 1964. 44.8 D1427
- 106912 MAENO, M., RYOKI, T., and KUDO, T. Study on fatty acid compositions in milk fats of foreign butter oils. (Ja) Jap. Soc. Food & Nutr. J. 16(5):41-46. Ref. 1964. 389.9 J27  
English summary.
- 106913 MEI, H. M., and CLEGG, L. F. L. Are rapid tests for antibiotics possible? Canad. Dairy & Ice Cream J. 43(2):27-29. Feb.1964. 44.8 C162  
In milk.
- 106914 MIKOLAJCIK, E. M. Some factors which govern plaque formation by lactic streptococcal bacteriophage. I. J. Milk & Food Technol. 27(7):210-214. July 1964. 44.8 J824
- 106915 MITRA, S. N., and others. Effect of frying "Dalmot" on the constants of butterfat (ghee). Sci. & Cult. 30(3):144-145. Mar.1964. 475 Sci24  
T. V. Mathew, K. C. Guha, P. K. Bose, and A. Basak, joint authors.
- 106916 ODAGIRI, S., and NICKERSON, T. A. Chain length determination of polyphosphates. J. Dairy Sci. 47(8):920-921. Ref. Aug.1964. 44.8 J822  
For possible uses in dairy industry.
- 106917 OSBORNE, E. T. An approach to quality control in milk plants. Austral. J. Dairy Technol. 19(2):85-86. June 1964. 44.8 Au74
- 106918 OTERHOLM, B. Quality testing of consumer milk in Norway. (No) Nord. Mejeri-Tidsskr. 30(5):84-88, map. 1964. 44.8 N752
- 106919 POSTHUMUS, G., and KLIJN, C. J. Automatic reading apparatus at the protein laboratory of the G.O.Z. (Du) Nederland. Zuivelbond. Off. Orgaan 56(29):659-660. July 15,1964. 44.9 AL3  
For testing samples of milk.
- 106920 RAKES, J. M., STALLCUP, O. T., and POTTS, D. F. Composition of milk produced in Arkansas. Ark. Farm Res. 13(4):9. July/Aug.1964. 100 Ar42F
- 106921 SEAMAN, A. Bacteriology for dairy students. London, Cleaver-Hume, 1963. 202 p. 448.2 Se1
- 106922 SKELTON, W. R., and HARMON, L. G. Growth rate of coliform organisms in Cottage cheese and reconstituted nonfat dry milk. J. Milk & Food Technol. 27(7):197-201. Ref. July 1964. 44.8 J824
- 106923 SOBECK-SKAL, E., BRANDL, E., and BINDER, W. Reductase test and quality of raw milk. (Ge) Osterr. Milchwirt. 19(4, wiss.beilage):19-29. Ref. Mar.21,1964. 44.8 Os72  
English summary.
- 106924 THALACKER, R. Cleavage of phosphoprotein phosphorus in decomposed milk protein through heating. (Ge) Deut. Lebensmtl.-Rundschau 60(7):211-213. July 1964. 389.8 D482
- 106925 UDY, D. C. Test for protein. Mfr. Milk Prod. J. 55(7):M4. July 1964. 286.85 B98Bu  
In milk.
- 106926 WILLIS, J. B. The determination of copper in butter and butteroil by atomic absorption spectroscopy. Austral. J. Dairy Technol. 19(2): 70-74. Ref. June 1964. 44.8 Au74

#### Consumption and Utilization

- 106927 BRETH, F. E. Japan discovers milk! Hoard's Dairyman 109(14):802-803, map. July 15,1964. 44.8 H65
- 106928 FUTSCHIK, J. Efficient utilization of whey cream. (Ge) Osterr. Milchwirt. 19(13):233-234. July 7,1964. 44.8 Os72  
Cheese waste product.
- 106929 HAMMETT, R. A. The consumer: final boss of food marketing system. Highlights Agr. Res. [Ala. Sta.] 11(3):14. Fall 1964. 100 AL1H  
Milk and milk products.
- 106930 WESTGAARD, P., and others. Our skim milk surplus and regulation possibilities. (No) Meieriteknikk 1963:39,41,43-45,47,49,51,53,55-57,59. 44.8 M475  
I. Stavlund, A. Sigernes and L. Myraker, joint authors.  
Utilization for dried milk, casein production and feed.
- 106931 WIEGELMANN, G. Ice cream in national festive meals. (Ge) Deut. Lebensmtl.-Rundschau 60(7):201-204, map. July 1964. 389.8 D482

#### Distribution, Marketing, and Transportation

- 106932 BATAILLE, R. Commercial concentration France-Service-Frais and dairy product marketing. (Fr) Indus. Lait. 212:243-244. July/Aug.1964. 44.8 In2
- 106933 COOPER, J. G. They're called "gallon jugs;" many Pennsylvania dairymen with good locations have sales rooms on their farms, thus eliminating delivery routes; but, they have their problems, too. Hoard's Dairyman 109(15):831, 858. Aug.10,1964. 44.8 H65
- 106934 ERLAND, S. Sale of consumer milk in Norway. (No) Meieriteknikk 1963:21-23,25,27-29,31,33, 35-38. 44.8 M475

- 106935 FREEMAN, R. E., and BABB, E. M. Marketing area and related issues in Federal milk orders. Ind. Agr. Expt. Sta. Res. B. 782,35 p.,map. Ref. June 1964. 100 In2P  
Includes prices.
- 106936 HANSEN, R. Observations on a trip to Norway. (Da) Nord. Mejeri-Tidsskr. 30(5):73-75, 77, map. 1964. 44.8 N752  
Chiefly on the consumption, marketing and prices of milk in Norway.
- 106937 HERRMANN, G. The importance with regard to legal aspects of traffic of the fifth revision of the Guterkraftverkehrsgesetz for the promotion of milk and dairy products. (Ge) Deut. Milk.-Ztg. 85(31):1311-1312. July 30, 1964. 44.8 Su2
- 106938 HESSELBACH, J. Tank milk transport and its problems. (Ge) Agros [Hannover] 9(7):19-20. July 1964. 18 Ag83
- 106939 LOZZI, C. Dairy products of the Soviet Union. 4. Cheese grading and marketing. Dairy Indus. 29(7):519-520. July 1964. 44.8 D1427
- 106940 MUUS, J. Cyclical decreases in milk production in Schleswig-Holstein in its effects on marketing. (Ge) Betriebswirt. Mitt. f. den Wirtberater. 118:9-14. June 15, 1964. 281.8 B462
- 106941 NEW SOUTH WALES. MILK BOARD. Report for the year ended 30th June, 1963. Sydney, 1964. 21 p.,map. 281.3449 N472
- 106942 SCHWENDINGER, W. Quality expectations and cost position of various milk collecting systems. (Ge) Osterr. Milchwirt. 18(23):409-414. (Cont.) Dec. 7, 1963. 44.8 Os72
- 106943 SHAH, M. Planned milk marketing in India. Span 7(2):64-66. 1964. 494.8 Sp2
- 106944 SORENSEN, P. An elucidation of some organizational problems in relation to the present amalgamation efforts in the dairy industry and cooperatives. (Da) Maelkeritidende 77(31):629-637; (32):651-657. July 31-Aug. 7, 1964. 44.8 M26
- 106945 TAG, M. W. Is a substantial increase in fluid milk marketing likely? (Ge) Molk.-u. Kase-rei-Ztg. 15(24):968,973. June 10, 1964. 44.8 M736
- 106946 TRENDOTA, M. How to merge economically weak cooperatives? (Pol) Przegl. Mleczarski 11(7):5-6. July 1963. 44.8 P95  
Dairy industry.
- 106947 URBANSKI, S. Dairy cooperatives of Koszalin province at the service of socialist agriculture. (Pol) Przegl. Mleczarski 9(11):26-27. Nov. 1963. 44.8 P95
- 106948 WAROWNY, B. On a way to progress. (Pol) (Extr.) Przegl. Mleczarski 11(7):3-5. July 1963. 44.8 P95  
Dairy cooperatives.
- 106949 WESTGAARD, P. Market supply of consumer milk and cream in the coming years. (No) Buskap og Avdratt 16(1):4-5, 7-8. 1964. 49 B96
- 106955 BO, S., and HADLAND, G. A study of a modified fermentation test for classification of producers' milk. (No) Meieriposten 53(31):757-761. (Cont.) Aug. 1, 1964. 44.8 M47
- 106956 DLG QUALITY tests for milk and dairy products 1964. (Ge) Molk.-u. Kaserei-Ztg. 15(25):993-1001. June 17, 1964. 44.8 M736  
Includes reports on individual products by H. Kay and K. Koenen.
- 106957 FEAGAN, J. T. The incidence of penicillin in Melbourne milk supply before and after the introduction of dye marking of penicillin preparations. Austral. J. Dairy Technol. 19(2):76-80. Ref. June 1964. 44.8 Au74
- 106958 FERGUSON, J. A. Payment for milk on quality. Milk Bd. J. 15(6):17-19, 21. June 1964. 44.8 M5934  
New South Wales.
- 106959 FORSTER, R., and THALER, S. The importance of protein research of delivery milk for suppliers, dairies, and cheese factories. (Ge) Osterr. Milchwirt. 19(7):109-111. Ref. Apr. 7, 1964. 44.8 Os72  
English summary.
- 106960 FOSSUM, K., and KUMMENEJE, K. Investigation of the keeping quality of milk in farm tanks after storage for several days. (No) Meieriposten 53(30):723-728. Ref. July 25, 1964. 44.8 M47  
English summary.
- 106961 HANNAFORD, B. D. Quality—a brand of dairy products. So. Austral. J. Agr. 67(10):334-337. May 1964. 23 So84
- 106962 HAUBOLD, H., and others. On the resorption of whole milk, cream, and butter. (Ge) Milch-wissenschaft 19(6):302-306. Ref. June 1964. 44.8 M5933  
E. Heuer, H. W. Loew, and R. Rohuschinsky, joint authors.  
English summary.
- 106963 HOLEC, J. The importance of antibiotic residues in milk. (Cz) Veterinarstvi 14(6):270-272. June 1964. 41.8 V6439
- 106964 KAEMPFE, K. Results of the 16th DLG fresh cheese testing 1964. (Ge) Deut. Molk.-Ztg. 85(30):1275-1276. July 23, 1964. 44.8 Su2
- 106965 KNOOP, E. On the amount of radioactive substances in milk. (Ge) Landwirt. Forsch. 17(1):23-32, map. 1964. 18 L2333  
English summary.
- 106966 KRISTOFFERSEN, T., and CHAKRABORTY, B. K. Keeping quality of creamed cottage cheese. J. Dairy Sci. 47(8):931-936. Ref. Aug. 1964. 44.8 J822
- 106967 LAKANEN, E., and SALO, A. Strontium 90 and caesium 137 in cow's fodder and milk in Finland 1961-1962. Ann. Agr. Fenn. 3(2):157-163. 1964. 20 An7
- 106968 MCPHILLIPS, J. Testing milk for quality payments. Milk Bd. J. 15(6):23-25, 27. June 1964. 44.8 M5934  
New South Wales.
- 106969 MITCHELL, W. D. Paying for cream the new way; butterfat basis. Queensland Agr. J. 90(6):362-367. June 1964. 23 Q33
- 106970 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Clean milk production. North. Ireland. Min. Agr. L. 82, 20 p. May 1964. 10 N81
- 106971 PEARSON, A. M. What causes flavour defects in ice cream? Canad. Dairy & Ice Cream J. 43(3):28-29. Mar. 1964. 44.8 C162
- 106972 PROBST, A. Fat content and protein grading of cheese milk. (Ge) Deut. Molk.-Ztg. 85(25):1085-1086. June 18, 1964. 44.8 Su2
- 106973 QUISH, J. A. Mechanised weight recording of milk intake. Dairy Indus. 29(7):510-511. July 1964. 44.8 D1427
- 106974 SAITNER, M. DLG cheese test 1964. (Ge) Deut. Molk.-Ztg. 85(25):1083-1085. June 18, 1964. 44.8 Su2
- 106975 SAITNER, M. DLG cheese tests, 1964. (Ge) Molk.-u. Kaserei-Ztg. 15(25):1002-1003. June 17, 1964. 44.8 M736
- 106976 SHYAMJI, M., PANDIT, N. N., and SINGH, S. N. Further studies on the keeping quality of creamery butter during storage. Agr. U. J. Res. Sci. 12(3):29-44. Ref. Sept. 1963. 513 Ag8

#### Grading, Inspection, Standardization, and Quality

- 106950 AURAND, L. W., SINGLETON, J. A., and MATRONE, G. Sunlight flavor in milk. II. Complex formation between milk proteins and riboflavin. J. Dairy Sci. 47(8):827-830. Ref. Aug. 1964. 44.8 J822
- 106951 BEYER, F. A critical evaluation on the DLG testing regulations for cocoa drink. (Ge) Deut. Milk.-Ztg. 85(31):1316-1317. July 30, 1964. 44.8 Su2  
Reply to an article by G. Andersen.
- 106952 BO, S., and HADLAND, G. A study of a modified fermentation test for classification of producers' milk. (No) Meieriposten 53(28):675-681. (Cont.) July 11, 1964. 44.8 M47
- 106953 BO, S., and HADLAND, G. A study of a modified fermentation test for classification of producers' milk. (No) Meieriposten 53(29):709-716. (Cont.) July 18, 1964. 44.8 M47
- 106954 BO, S., and HADLAND, G. A study of a modified fermentation test for classification of producers' milk. (No) Meieriposten 53(30):728-731. (Cont.) July 25, 1964. 44.8 M47



- 106977 SOLBERG, P. Oxidation flavor of milk. (No) Nord. Mejeri-Tidsskr. 30(6):97-98. 1964. 44.8 N752
- 106978 SVENSKA KONTROLLANSTALTEN FOR MEJERIPRODUKTER OCH AGG. Verksamhetsberättelse [Annual report], 1962. Helsingfors, 1963. 50 p. 44.9 Sv22
- 106979 SVENSKA KONTROLLANSTALTEN FOR MEJERIPRODUKTER OCH AGG. Verksamhetsberättelse [Annual report], 1963. Helsingborg, 1964. 56 p., map. 44.9 Sv22
- 106980 TERSCH, G. Food labeling regulations for milk and dairy products. (Ge) Osterr. Milchwirt. 19(9):144-145. May 7, 1964. 44.8 Os72
- 106981 U. S. AGRICULTURAL MARKETING SERV. DAIRY DIV. Dairy plants surveyed and approved for USDA grading service. U. S. Agr. Mktg. Serv. AMS-539, 31 p. July 1964. A280.39 M34Am Directory.
- 106982 U. S. PUBLIC HEALTH SERV. DIV. OF RADIOLOGICAL HEALTH. Moving annual average radionuclide concentrations in pasteurized milk, April 1963-March 1964. Radiol. Health Data 5 (7):327-328. July 1964. 151.65 R11
- 106983 U. S. PUBLIC HEALTH SERV. DIV. OF RADIOLOGICAL HEALTH. Moving annual average radionuclide concentrations in pasteurized milk, January-December 1963. Radiol. Health Data 5(4):179-180. Apr. 1964. 151.65 R11
- 106984 WALLEN, B. Antibiotics in milk. (Sw) Tidsskr. f. Lantman och Andelsfolk 3:66-68. Feb. 15, 1964. 20 T43
- 106985 ZEILINGER, A. Grading—urgent demand of the Austria dairy industry. (Ge) Osterr. Milchwirt. 19(6):93-94. Mar. 21, 1964. 44.8 Os72 Milk.

#### Packing and Packaging

- 106986 BOONSTOPPEL, M. The application of plastics as packing material in the dairy industry. (Du) Misset's "Zuivel" 70(23):520-521, 523, 525. June 9, 1964. 44.8 N282
- 106987 EYRARD, A. The conditioning of consumer milk. (Fr) Indus. Lait. 212:232-235. July/Aug. 1964. 44.8 In2 Disposable containers.
- 106988 HICKEY, W. V. More "sell" in dairy products packaging. Ice Cream Trade J. 60(8):76-77. Aug. 1964. 389.8 Ic2
- 106989 MUNSTER, W. Hard paper cups as packing. (Ge) Osterr. Milchwirt. 19(13):236-237. July 7, 1964. 44.8 Os72 For dairy products.
- 106990 PASHINSKII, B. Rindless cheese has arrived in stores. (Rus) Moloch. Promysh. 3:36-37. Mar. 1964. 44.8 M734 Packing in plastics.
- 106991 RUPSCHL, E. Glass fiber strengthened polyester containers in the dairy industry. (Ge) Osterr. Milchwirt. 19(6):96-97. Mar. 21, 1964. 44.8 Os72
- 106992 SIDOROVA, E., and KOZLOVA, L. Use of laminated aluminum foil in packing butter. (Rus) Moloch. Promysh. 3:45. Mar. 1964. 44.8 M734
- 106993 ZIEGLER, H. The packing opinion on dairy products by the Deutsche Landwirtschaftsgesellschaft. (Ge) Osterr. Milchwirt. 19(2):17-20. Jan. 21, 1964. 44.8 Os72

#### Prices, Price Control, and Rationing

- 106994 BENTERUD, T. The milk marketing system in Norway. (No) Nord. Mejeri-Tidsskr. 30(5):76-77. 1964. 44.8 N752 Chiefly prices.
- 106995 CLARKE, D. A., FORKER, O. D., and JOHNSON, A. C. Pricing milk for manufacturing purposes in California. Calif. Agr. Expt. Sta. B. 801, 134 p. June 1964. 100 C12S
- 106996 EDAHIRO, M. Some thoughts concerning milk prices. (Ja) Nogyo to Keizai 30(1):39-45. Jan. 1964. 281.8 N682
- 106997 NOMURA, T. Present dairy farming problems which revolve around milk prices. (Ja) Nogyo to Keizai 30(1):33-38. Jan. 1964. 281.8 N682

- 106998 PIERCE, C. W. With or without State milk control. Pa. State U. Ext. Farm Econ., Aug. 1964: 1-4. 275.28 P38 Prices.
- 106999 SAKAMOTO, K. The milk processors and dairy farmers in Awaji-shima. (Ja) Nogyo to Keizai 30(1):54-50, map. Jan. 1964. 281.8 N682 Milk prices.
- 107000 WILSON, L. E. Variations in prices for fluid milk. Highlights Agr. Res. [Ala. Sta.] 11(3):9. Fall 1964. 100 AL1H

#### Processing and Storage

- 107001 ALBONICO, F., KADERAVEK, G., and VOLONTERIO, G. Research on the aging of cheeses. (It) Riv. del Latte 20(3):1-38. Ref. May/June 1964. 280.38 R52
- 107002 BADUEVA, V. Cheese manufacturing line with moulding apparatus and moving presses. (Rus) Moloch. Promysh. 3:34-36. Mar. 1964. 44.8 M734
- 107003 BAUER, H. Determination of costs of production, moulding, and packaging of butter. I. (Ge) Milchwissenschaft 19(6):314-318. June 1964. 44.8 M5933 English summary.
- 107004 BAYER, A. H. Aspects in the manufacture of chocolate-flavored ice cream. Ice Cream Trade J. 60(7):34-35, 87. July 1964. 389.8 Ic2
- 107005 BIRKKJOER, H. E. Mechanization of cheese manufacture. (Da) Meieriteknikk 1963:9-11, 13, 15-17, 19. 44.8 M475
- 107006 BREENE, W. M., PRICE, W. V., and ERNSTROM, C. A. Changes in composition of Cheddar curd during manufacture as a guide to cheese making by direct acidification. J. Dairy Sci. 47(8):840-848. Ref. Aug. 1964. 44.8 J822
- 107007 CANADIAN DAIRY AND ICE CREAM JOURNAL. Dairy industry buyers' guide and directory. Canad. Dairy & Ice Cream J. 42(11):51-77. Nov. 1963. 44.8 C162
- 107008 CLARK, J. Hydraulic actuator improves homogenisers. Dairy Indus. 29(7):514-515. July 1964. 44.8 D1427
- 107009 DENMARK. STATENS FORSOGSMEJERI. Undersogelser og erfaringer vedrorende fremstilling af rekombineret maelk til konsum. Investigations and experiences concerning manufacturing of recombined milk for consumption. Denmark. Stat. Forsogsmejeri. Beret. 144, 28 p. 1964. 44.9 D414 English summary.
- 107010 DIDIER-PETIT, Y. New methods for the stocking and transportation of milk in bulk. (Fr) Lait 44(435/436):251-259. May/June 1964. 44.8 L143
- 107011 ERHART, G. The importance of cooperative milk drying operations for the market and price regulation of the Austrian dairy industry. (Ge) Osterr. Milchwirt. 19(9):141-144. May 7, 1964. 44.8 Os72
- 107012 FETZ, J. A new storage arrangement for small cheeses. (Ge) Osterr. Milchwirt. 19(14):257. July 21, 1964. 44.8 Os72
- 107013 GINTERSDORFER, F. Continuous milk transfer in practical application. (Ge) Osterr. Milchwirt. 19(14):250-257. July 21, 1964. 44.8 Os72 Bulk handling.
- 107014 GODBERSEN, W. The use of frosted cream in the manufacture of butter and other dairy products. V. (Ge) Milchwissenschaft 19(6):307-314. Ref. June 1964. 44.8 M5933 English summary.
- 107015 GONZALEZ MARTINEZ, A. Investigation relative to the manufacture of ten types of yoghurt (natural and flavored) and variations of quality derived from modifications adopted in the process of manufacture; recipes and methods. (Sp) Ion 24(274):262-268. (Cont.) Ref. May 1964. 385 Io6
- 107016 GOULDEN, J. D. S., and PHIPPS, L. W. Factors affecting the fat globule sizes during the homogenization of milk and cream. J. Dairy Res. 31(2):195-200. June 1964. 44.8 J823

- 107017 GRIGG, P. P. New ingredients for the food industry: dehydrated butterfat. *Food Technol. Austral.* 16(6):338-339,341. June 1964. 389.8 F7333
- 107018 HAYS, H. Statement to the House of Commons on a new national dairy policy. *Ontario Milk Prod.* 39(11):6. May 1964. 44.8 On8
- 107019 HINTERBERGER, S. Study trip of Austrian cheese masters, upper cheese makers, and cheese makers to Germany. (Ge) *Osterr. Milchwirt.* 19(3):35-37. Feb. 7, 1964. 44.8 Os72
- 107020 JENKINS, I. D., and SHORT, A. L. Salt—and its use in the dairy industry. *Agr. Gaz. N. S. Wales* 75(7):1152-1155. July 1964. 23 N472
- 107021 KEOGH, B. P. Comment on the hydrogen peroxide-catalase treatment of milk for cheese manufacture. *Austral. J. Dairy Technol.* 19(2):86-87. Ref. June 1964. 44.8 Au74
- 107022 KOROLEV, A., FAVSTOVA, V., and SKOROMNIKOVA, V. Condensed milk in cubes. (Rus) *Moloch. Promysh.* 3:32-34. Mar. 1964. 44.8 M734  
Manufacture.
- 107023 KREDIET, P. Winter butter from frozen cream or sweet butter. I. (Du) *Conserva* 12(8):179-187. Ref. Feb. 1964. 389.8 C7632  
French summary.
- 107024 KREDIET, P. Winter butter manufactured from frozen cream or sweet butter. (Da) *Nord. Mejeri-Tidsskr.* 30(4):59-63,64; (5):89-91,93. Ref. 1964. 44.8 N752
- 107025 KRONRAFF, K. Mechanical advances in butter manufacture. (Ge) *Osterr. Milchwirt.* 19(5):66-69. Mar. 7, 1964. 44.8 Os72
- 107026 KUMMENEJE, K., and FOSSUM, K. A method for bacteriological control of the cleaning of farm tanks. (No) *Meieriposten* 53(29):701-709. July 18, 1964. 44.8 M47  
English summary.  
For milk collecting.
- 107027 LACROSSE, R. Association of bacterial strains and formation of diacetyl in butter. (Fr) *Agricultura [Louvain]* 17(5/6):633-638. May/June 1964. 13 R322  
English summary.
- 107028 LANG, F. Whole-fruit yoghurt gains acceptance. *Food Engin.* 36(8):93. Aug. 1964. 389.8 F737
- 107029 LEMBKE, A. On the detection of the carrier of hepatitis epidemica. (Ge) *Milchwissenschaft* 19(6):285-290. June 1964. 44.8 M5933  
English summary.  
Includes milk sterilization.
- 107030 LEO, A. Sherbets for tomorrow's growing markets. *Canad. Dairy & Ice Cream J.* 43(3):34-37. Mar. 1964. 44.8 C162  
Manufacture.
- 107031 LINDAMOOD, J. B., and GOULD, I. A. Chocolate flavor materials and their use in ice cream. *Ice Cream Trade J.* 60(7):24,26-27. July 1964. 389.8 Ic2
- 107032 LODI. ISTITUTO SPERIMENTALE DI CASEIFICIO. Report 1963, by G. A. Triulzi. (It) *Riv. del Latte* 20(2):1-13. (Cont.) Mar./Apr. 1964. 280.38 R52
- 107033 MCDIVITT, M. E., HUPPLER, P. P., and SWANSON, A. M. Bacteriological changes during the manufacture of nonfat dry milk. *J. Dairy Sci.* 47(8):936-941. Ref. Aug. 1964. 44.8 J822
- 107034 MCDOWALL, F. H. Steam distillation of taints from cream. IX. *J. Dairy Res.* 31(2):185-188. June 1964. 44.8 J823
- 107035 MEYKNECHT, E. A. M. Sweet butter as a storage product. (Du) *Nederland. Zuivelbond. Off. Orgaan* 56(29):657-658. (Cont.) July 15, 1964. 44.9 AL3
- 107036 MOCQUOT, G. The coagulation of milk by rennin. (Fr) *Belg. Lait.* 18(98):16-19. July 1964. 44.8 B412
- 107037 MOSELY, W. K. Prevention of post-pasteurization contamination of fluid milk and cream. *South. Dairy Prod. J.* 76(2):60. Aug. 1964. 44.8 So83
- 107038 MULLER, K. New procedures for the manufacture of a keepable milk. (Ge) *Deut. Molk.-Ztg.* 85(30):1272-1274. July 23, 1964. 44.8 Su2
- 107039 MULLER, K. On homogenization and clarification in the dairy industry. (Ge) *Molk.-u. Kaseri-Ztg.* 15(23):940-942. (Cont.) June 3, 1964. 44.8 M736
- 107040 MULLER, K. On homogenization and clarification in the dairy industry. (Ge) *Molk.-u. Kaseri-Ztg.* 15(24):965-967. Ref. June 10, 1964. 44.8 M736
- 107041 MUNSTER, W. Problems of partial automation. (Ge) *Osterr. Milchwirt.* 19(5):65. Mar. 7, 1964. 44.8 Os72
- 107042 NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF DAIRYING. Cheeses you can make at home. *Agr. Gaz. N. S. Wales* 75(7):1176-1177. July 1964. 23 N472
- 107043 PERRY, K. D., and MCGILLIVRAY, W. A. The manufacture of "normal" and "starter-free" Cheddar cheese under controlled bacteriological conditions. *J. Dairy Res.* 31(2):155-165. June 1964. 44.8 J823
- 107044 PIJANOWSKI, E. Recent dairy research in Poland; a survey 1958-1963. *Dairy Sci. Abs.* 26(8):343-360. Ref. Aug. 1964. 241 Im76
- 107045 PRICE, W. V., DEAN, M., and OLSON, N. F. Handbook on lactic starter. *Wis. Agr. Col. Ext. C.* 383, rev., 36 p. May 1964. 275.29 W75C
- 107046 PRITYKO, V. The effective utilization of new machines. (Rus) *Moloch. Promysh.* 3:13-16. Mar. 1964. 44.8 M734  
Milk industry.
- 107047 RITTER, P. A contribution to the question of nisin formation by *Str. lactis*. (Ge) *Path. et Microbiol.* 26(5):564-568. 1963. 448.8 Sch9  
English summary.  
Emmental cheese manufacture.
- 107048 SATTAR, A., and BHATTI, M. B. Strawberry-milk-shake. *Agr. Pakistan* 14(4):420-425. Dec. 1963. 22 Ag832  
New product made of buffalo's milk and strawberries.
- 107049 SIEGENTHALER, E. Report on experiments made with the UP-TP process. (Ge) *Milchwissenschaft* 19(6):281-285. June 1964. 44.8 M5933  
English summary.  
Ultra-high temperature heating and Tetra-Pak.
- 107050 SIMONET, R. A. Chocolate for profits: more attention needed to consumer's tastes. *Ice Cream Trade J.* 60(7):33. July 1964. 389.8 Ic2
- 107051 SIRIK, V. The institute recommends to install. (Rus) *Moloch. Promysh.* 3:17-21. Mar. 1964. 44.8 M734  
Milk industry machines.
- 107052 SLADE, W. B. Chocolate for profit\$: picture is changing. *Ice Cream Trade J.* 60(7):36. July 1964. 389.8 Ic2
- 107053 STRAND, A. H. Manufacture of Gouda cheese. III. (No) *Meieriposten* 53(18):404-408. May 2, 1964. 44.8 M47
- 107054 SWANSON, A. M., and SANDERSON, W. B. The effects of heat treatments given to skimmilk and skimmilk concentrate before drying. *Cereal Sci. Today* 9(7):292-295,298. Ref. Sept. 1964. 59.8 C333
- 107055 SYRRIST, G. Economic effects of the seasonal variations in the delivery of milk to dairies in Norway. III. The effects of the seasonality on the processing of dairy products. *Norges Landbrhogsk. Meieriinst. Meld.* 42(16), 39 p. Ref. 1963. 44.9 N83
- 107056 TAYLOR, J. C., BARTLETT, T. E., and FRENCH, C. E. Effects of volume on costs of ice cream manufacturing. *Ind. Agr. Expt. Sta. Res. B.* 779, 23 p. May 1964. 100 In2P
- 107057 THOMASOS, F. I., and WOOD, F. W. Some factors influencing stickiness of butter. *J. Dairy Res.* 31(2):137-146. Ref. June 1964. 44.8 J823
- 107058 TORRSSELL, H. News about the milk powder technique. (Sw) *Nord. Mejeri-Tidsskr.* 30(4):65-72. 1964. 44.8 N752
- 107059 TURNER, O. D., and ZIEMBA, J. V. Evaporating with economy. *Food Engin.* 36(8):39-41. Aug. 1964. 389.8 F737  
Milk drying.



- 107060 WEARMOUTH, W. G. Progress in dairy science. Food Mfr. 39(7):42-48,50-51. Ref. July 1964. 389.8 F736
- 107061 WELCH, R. C. Chocolate for profit\$: as a flavor for ice cream. Ice Cream Trade J. 60(7):30,77. July 1964. 389.8 Ic2
- 107062 WILLIAMS, D. C. Use of Markov process in analyzing structural changes in fluid milk plants. Assoc. South. Agr. Workers. Mktg. Sect. Proc., 60th Annu. Conv.(paper 11),21 p. Ref. 1963. 4 As73P
- 107063 WOOLVEN, A. H. Processing and marketing of dairy products. Ruakura Farmers' Conf. Week. Proc. 1963:181-193. 49.9 R82  
Includes discussion.
- 107064 WORSCHITZ, F. A "rural combination" for processing milk in the dairy. (Sp) Indus. Lech. 46(536/537):66-68. Mar./Apr.1964. 44.8 In26 Argentina.

#### Statistics

- 107065 AUSTRALIA, BUR. OF CENSUS AND STATISTICS. TASMANIAN OFF. Statistics of the dairying industry, Tasmania, 1962-63. Hobart, 1964. 4 p. 271.5 St2D
- 107066 COOK, D. J. Statistical analysis of dairy data. Dairy Indus. 29(7):505-509. Ref. July 1964. 44.8 D1427
- 107067 HARTL, H. Austrian cheese varieties in diagram. (Ge) Osterr. Milchwirt. 19(7):115-117. Apr.7,1964. 44.8 Os72  
Statistics.
- 107068 INTERNATIONAL ASSOCIATION OF ICE CREAM MANUFACTURERS. Production index, 1963. Washington, D. C., 1964. 42 p. (Its Special Bulletin 109) 389.9 In834I
- 107069 MILK INDUSTRY FOUNDATION. Milk facts; 1964 edition. Washington, D. C., 1964. 31 p. 281.344 M592  
Statistics.
- 107070 MILTHERS, K. Holland's dairy production. (Da) Maelkeritidende 77(29):602-604. July 17, 1964. 44.8 M26

#### FEED AND FORAGE CROPS

- 107071 ALLEN, P. T., and BECKMAN, H. Polargraphy for the determination of organic feed medicaments. Residue Rev. 5:91-118. Ref. 1964. 389.9 R314  
Literature review.
- 107072 BIRD, D. C.A.F.M.N.A.—feed compounders' trade association. 'Turkeys Year Book 12(5):12,15. May 1964. 47.38 T843
- 107073 BOYD, L. Feed industry control views. Assoc. South. Feed, Fert. & Pesticide Control Off. Off. P. 1963/64:35-37. 389.79 As7
- 107074 CYBULSKA, H., and LEOPOLD, A. Perspectives for the production of leguminous forage plants. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:79-83. 1964. 20 M57  
Feed in Poland.
- 107075 CZERNY, I. Development of feed industry in Czechoslovakia. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:88-90. 1964. 20 M57  
Includes equipment.
- 107076 DEACON, L. E. Views of a feed nutritionist relative to control requirements and consumer needs. Assoc. South. Feed, Fert. & Pesticide Control Off. Off. P. 1963/64:63-65. 389.79 As7
- 107077 DENMARK, STATENS FORSOGSVIRKSOMHED I PLANTEKULTUR. Experiments with the storage of forage sugar beets. (Da) Tidsskr. f. Planteavl 67(3):543-546. 1963. 11 T439
- 107078 DEWOLFE, M. R. Hay in the United States: quantities grown in a normal year, surplus and deficit areas. U. S. D. A. Statis. B. 349, 98 p.,map. Aug.1964. 1 Ag84St
- 107079 FALLER, H. Mineral feed in every price range—but the price tells nothing about quality. (Ge) Übersicht 15(5):291-294. May 10,1964. 18 Ub3

- 107080 GRUBER, G. How the pet food industry looks at controls and the consumer. Assoc. South. Feed, Fert. & Pesticide Control Off. Off. P. 1963/64:53-57. 389.79 As7
- 107081 HANSEN, R., and others. Studies on the control of Salmonella contamination in rendered animal by-products. Amer. Meat Inst. Found. B. 53,12 p. Dec.1962. 50.9 Am322  
N. J. Jacobs, O. H. M. Wilder, and C. F. Niven, joint authors.  
Meat meal.
- 107082 HEINRICHS, D. H. Better perennial crops for the growing cattle population. Saskatchewan. U. Farm & Home Week. Addresses & Proc. 1964:17-18,20,22,24. 101 Sa72
- 107083 HOFMAN, H. Method of determination of crude cellulose in grasses and green forages. (Fr) Agricultura [Louvain] 17(5/6):689-698. May/June 1964. 13 R322
- 107084 HUTCHINSON, J. B., MORAN, T., and PACE, J. The effect of a steam treatment on the feeding value of wheat. J. Sci. Food & Agr. 15(6):413-417. Ref. June 1964. 382 So12
- 107085 JECSAY, GY. Composition of amino-acids of some fodders. (Hu) Allattenyesztes 13(2):165-170. Ref. June 1964. 49 AL57  
English summary.
- 107086 KILPATRICK, G. Changing times—changing laws. Assoc. South. Feed, Fert. & Pesticide Control Off. Off. P. 1963/64:58-62. 389.79 As7  
Feed regulation.
- 107087 KLIMES, I. Carotene losses in green forage hot air drying. (Cz) Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zivocisna Vyroba 37(1):61-66. Ref. Jan.1964. 49.9 C33  
German summary.
- 107088 KLUŠMANN, W. Producer settlement prices for forage plants. (Ge) Betriebswirt. Mitt. f. den Wirtberater. 119:14. July 15,1964. 281.8 B462
- 107089 KURZE, G. Statistical information on the manner of feed processing leads to improvement of the feed balance. (Ge) Tierzucht 18(6):311-314. June 1964. 49 T443
- 107090 LADEMANN, E., and THALMANN, E. Proposal for technical simplification and improvement of precision in Weender crude fiber determination. (Ge) Z. f. Landwirt. Vers. u. Untersuchw. 10(1):91-96. 1964. 18 Z32  
English summary.  
In feed.
- 107091 LANE, S. H. Economics of the Canadian feed industry. Canad. Milling & Feed 45(8):8-9. Aug.1964. 298.8 C162
- 107092 LIIV, J. The state of cultivated pastures and meadows in Estonian S.S.R. in 1960. (Es) Rohumaaviljelus 3:218-240. 1962. 60.18 R63  
Russian summary.  
Chiefly statistics.
- 107093 MCDONALD, P., and HENDERSON, A. R. Determination of water-soluble carbohydrates in grass. J. Sci. Food & Agr. 15(6):395-398. Ref. June 1964. 382 So12
- 107094 MAY, M. U. Views of the formula feed industry relative to control requirements and consumer needs. Assoc. South. Feed, Fert. & Pesticide Control Off. Off. P. 1963/64:50-52. 389.79 As7
- 107095 MILNER, C. K., and WOODFORDE, J. The drying of feeding wheat. Gt. Brit. Min. Agr. Fisheries & Food. Agr. 71(7):329-331. July 1964. 10 G79J
- 107096 MITSUI, K. The development of forage land in our country. (Ja) Dairyman 14(2):6-9. Feb. 1964. 44.8 D1454.  
Policy.
- 107097 MULAC, K. Catalase activity as indicator of fodder quality. (Cz) Veterinarstvi 14(6):277-279. June 1964. 41.8 V6439
- 107098 NONN, MRS. F. Mathematical method for the solution of the optimum investmental and locational program for mixed feed plants. (Hu) Budapest. Kozponti Elelmiszeripari Kutatointezet. Kozlem. 3:20-25. 1963. 389.9 B85  
English summary on p.1.

- 107099 POIRIER, D. Feed—in a bilingual setting. Canad. Milling & Feed 45(7):27-28. July 1964. 298.8 C162  
Text partially in French, partially in English. On the feed industry.
- 107100 POPOV, I. S. Chemicals and livestock; status of the problem and objects of the science. (Rus) Agrobiologiya 3:323-338. May/June 1964. 20 Ag822  
Chiefly chemicals in feed and feed processing.
- 107101 QUACKENBUSH, F. W., SCHALL, E. D., and CURTIS, P. B. Inspection of commercial feeds. Ind. Agr. Expt. Sta. Insp. Rpt. 47,40 p. Apr. 1964. 280.39 In22
- 107102 SCHOCH, W. On the scope of losses and production costs in the preservation of green feed. (Ge) Mitt. f. die Schweiz. Landwirt. 12(6):81-88. June 1964. 17 M69  
Hay, silage, and dried green forage.
- 107103 SCHULTZ, C. The present legal and economic boundary between drugs and feeds and its meaning for the veterinarian and the livestock owner. (Ge) Arch. f. Lebensmtlhyg. 15(6):130-132. June 20, 1964. 41.8 L49
- 107104 SIMEK, J. Pelleted-type mixed feed production is increasing. (Cz) Mlynsko-Pekarensky Prumysl. Tech. Skladovani Obili 10(4):152-153. 1964. 389.8 M692
- 107105 SIMMONS, N. O. Feed milling and associated subjects. Ed. 2. London, Hill, 1963. 377 p. 298 Si4
- 107106 STONE, P. J. A mixed blessing. Gt. Brit. Min. Agr. Fisheries & Food. Agr. 71(7):318-321. July 1964. 10 G79J  
Home production of feeds versus purchasing.
- 107107 SUCHANEK, J. Feed consumption in poultry raising must be the world level. (Cz) Ekon. Zemedel. 2(11):339-341. Nov. 1963. 281.8 Ek7
- 107108 TAYLOR, M., and others. Effect of drying corn on its feed value for growing-finishing swine. Feedstuffs 36(33):18. Aug. 15, 1964. 286.81 F322  
R. A. Pickett, G. W. Issacs, and G. H. Foster, joint authors.
- 107109 WHITEHEAD, D. L., and QUICKE, G. V. A comparison of six methods of estimating lignin in grass hay. J. Sci. Food & Agr. 15(6):417-422. Ref. June 1964. 382 Sol2
- 107110 WILLIAMS, R. Farming as a business: to mix or not to mix. Farmers' J. (n.s.) 3(49):45. July 3, 1964. 10 F2234  
Feed costs.
- 107111 WISCONSIN. DEPT. OF AGRICULTURE. Commercial feeds in Wisconsin—1963, by W. B. Griem. Wis. Dept. Agr. B. 361,75 p. Sept. 1963. 2 W752Bu  
Inspection.
- 107112 ZULUETA Y ASTARLOYTA, J. DE. Kudzu and its trial in Galicia. (Sp) Montes 19(114):507-515. (Concl.) Nov./Dec. 1963. 99.8 M763  
Chemical and mechanical analysis.
- 107118 BAMFORD, C. H., and ELLIOTT, A. Synthetic polypeptides and fibrous proteins. In Hearle, J. W. S., and Peters, R. H., ed. Fibre structure, p.46-180. Ref. 1963. 304 H352F
- 107119 BARAKAT, N., and HINDELEH, A. M. Determination of the refractive indices, birefringence, and tensile properties of normal viscose rayon fibers. Textile Res. J. 34(7):581-584. July 1964. 304.8 T293
- 107120 BARELLA, A., and SUST, A. Towards a new method for measuring the wool fineness and modulation. (Sp) Invest. e Inform. Textil 7(2): 117-137. Ref. Apr./June 1964. 304.8 In84  
English summary.
- 107121 BARROS, A. C. DO R. Plan of Sudene for the development of cotton production 1961 and 1962. (Por) Sudene—Bol. Recursos Natur. 1(1):7-10. Oct./Dec. 1963. 279.8 Su7  
English summary.
- 107122 BEZRUK, P. F. New goals of flax culture. (Rus) Len i Konoplya 6:1-3. 1964. 73.8 L542  
Policies and programs.
- 107123 BLACKBURN, J. A. The changing shape of the cotton and man-made fibre industry. Textile Mfr. 90(1075):265-267. July 1964. 304.8 T3126
- 107124 BONADONNA, T. Production and classification of wools for carpets. (It) Zootec. e Vet. 19 (3/4):44-55. Mar./Apr. 1964. 41.8 Z7
- 107125 BRACH, J. Elimination of water, after acidifying, with the help of the centrifugal drier and its influence on the characteristics of carbonized wools. (Fr) Ann. Sci. Textiles Belges 2:96-115. June 1964. 304.8 An72  
English summary.
- 107126 BRAND, S. S. The decline in the cotton futures market. Food Res. Inst. Studies 4(3):305-315. Ref. 1964. 389.8 F7382
- 107127 BRUCE, T. D. Jute Promotional Council; the story of a publicity campaign to show the farmer that jute sacks pay. Cordage, Canvas & Jute World 46(538):12,14,18 Aug. 1964. 73.8 C813  
Great Britain, India and Pakistan.
- 107128 BURGIN, W. A. An agricultural officer writes on the development of Kenya's small-holder sisal production. Kenya Sisal Bd. B. 49:27,29,31. July 1964. 73.29 K42
- 107129 CALDWELL, J. B., and others. The role of thiol groups in the setting of wool. Textile Res. J. 34(7):627-634. Ref. July 1964. 304.8 T293  
S. J. Leach, A. Meschers, and B. Milligan, joint authors.
- 107130 CALDWELL, S. A. G. Linseed flax fibre a textile raw material. Indian Textile J. 74(884): 414-417,426. May 1964. 304.8 In2  
Retting and processing.
- 107131 CALDWELL, S. A. G. Reducing costs in jute spinning. Jute & Canvas Rev. 32(431):13,15-16. Aug. 1964. 73.38 J982
- 107132 CHEUNG, H. C. Tensile strength distribution and creep failure of cellulosic filaments. Textile Res. J. 34(7):597-604. Ref. July 1964. 304.8 T293
- 107133 CORBETT, M. J., and YU, T. M. Orthocortical staining of wool with chromic, cobaltous, cupric, ferric, or manganous ions in acidic nitrite solution. Textile Res. J. 34(7):655. July 1964. 304.8 T293
- 107134 DAMME, D. VAN. Study on the felting of wool. (Fl) Ann. Sci. Textiles Belges 2:63-95. June 1964. 304.8 An72  
English summary.
- 107135 DMITRIEVA, O. A., POTAPOVA, N. P., and SHARKOV, V. I. Comparative study of macromolecular structure of cotton cellulose using thermal and hydrolytic methods. (Rus) Zhur. Prikl. Khim. 37(7):1583-1589. Ref. July 1964. 385 Z64
- 107136 DOBOZY, O. K. The determination and judgement of acid damage to wool. (Du) Tex 23(7): 525-531. Ref. July 1964. 304.8 T3195
- 107137 DONALD, J. R. Last year's cotton crop; largest, most valuable in decade a record yield of 516 pounds. Agr. Situation [Washington] 48(7): 10-11. July 1964. 1 Ec7Ag

## FIBERS AND TEXTILES

- 107113 AHMAD, M. Studies on the characteristics of Kaghani wool fibres. Sci. Ind. 1(2):99-106. Ref. Apr. 1963. 475 Sci238
- 107114 ANDERSON, C. A. Detection of cholest-5-ene-3 $\beta$ ,7 $\beta$ -diol in wool wax. Austral. J. Chem. 17 (8):949-951. Aug. 1964. 475 Au73
- 107115 ARTHUR, J. C., and DAIGLE, D. J. Radiation-induced graft polymers of cotton cellulose and styrene. Textile Res. J. 34(7):653-654. July 1964. 304.8 T293
- 107116 BAILEY, T. L. W., TRIPP, V. W., and MOORE, A. T. Cotton and other vegetable fibres. In Hearle, J. W. S., and Peters, R. H., ed. Fibre structure, p.422-454. Ref. 1963. 304 H352F
- 107117 BALASUBRAMANIAM, E., and WHITELEY, K. J. Theoretical configurations of single wool fibres. I. Sine and helical forms. Austral. J. Appl. Sci. 15(1):41-52. Ref. Mar. 1964. 475 Au74



- 107138 ENTE NAZIONALE SERICO. Statistiche seriche italiane, anni 1962 e 1963; produzione, consumo, prezzi commercio con l'estero [Italian silk statistics for the years 1962 and 1963; production, consumption, prices, foreign trade]. Ente Naz. Serico. B. di Inform. Seriche 36 (24,sup.),49 p. 1964. 425.9 En8B
- 107139 FELDTMAN, H. D., and MCPHEE, J. R. The spreading and adhesion of polymers on wool. Textile Res. J. 34(7):634-642. Ref. July 1964. 304.8 T293  
To reduce felting shrinkage.
- 107140 FEUGHELMAN, M., and MITCHELL, T. The torsional properties of single wool fibers. III. Textile Res. J. 34(7):593-597. Ref. July 1964. 304.8 T293
- 107141 FEUGHELMAN, M., and WATT, I. C. Wool fibers treated with ninhydrin or formaldehyde: mechanical properties. Textile Res. J. 34(7):643-644. July 1964. 304.8 T293
- 107142 GILLESPIE, J. M., REIS, P. J., and SCHINCKEL, P. G. The isolation and properties of some soluble proteins from wool. IX. The proteins in wools of increased sulphur content. Austral. J. Biol. Sci. 17(2):548-560. Ref. May 1964. 442.8 Au72
- 107143 GOTZE, K. Recent knowledge and developments in the field of very firm viscose fibers. (Ge) Osterr. Chem.-Ztg. 65(7):209-218. Ref. July 1964. 384 Os7
- 107144 GUPTA, A. B. S., DUTT, A. S., and MACMILLAN, W. G. Isolation of lignin-carbohydrate complexes from jute. Indian J. Chem. 2(5):213-214. Ref. May 1964. 385 In294
- 107145 GUTHRIE, J. D., POTTLE, M. S., and MARGAVIO, M. F. Attachment of compounds to aminized cotton fabric by the Mannich reaction. Amer. Dyestuff Rptr. 53(15):19-21. July 20, 1964. 306.8 Am3
- 107146 HEARLE, J. W. S. The development of ideas of fine structure. In Hearle, J. W. S., and Peters, R. H., ed. Fibre structure, p.209-234. Ref. 1963. 304 H352F
- 107147 HEARLE, J. W. S., and PETERS, R. H., ed. Fibre structure. Manchester, Textile Inst., 1963. 667 p. Ref. 304 H352F
- 107148 HEARLE, J. W. S. Structure, properties, and uses. In Hearle, J. W. S., and Peters, R. H., ed. Fibre structure, p.621-640. Ref. 1963. 304 H352F
- 107149 HONSEL, J. Properties of the polyester fiber Vestan and its application to textiles containing wool. (Du) Tex 23(7):502-505. July 1964. 304.8 T3195
- 107150 HORNBECK, B. M. Fibers made by man. U. S. D. A. Ybk. Agr. 1964:258-260. 1 Ag84Y  
Includes blending with natural fibers.
- 107151 IMAI, N., AOKI, A., and MURANO, K. An analytical survey of foreign silk goods. 2. The performance of silk goods gathered in Europe. (Ja) Sansi-Kenkyu 45:69-74. Jan.1963. 425.9 J273S
- 107152 KLEIN, E., and BINGHAM, B. E. M. The high-temperature reaction between formaldehyde and cellulose. I. Textile Res. J. 34(7):585-593. July 1964. 304.8 T293
- 107153 KOH, S. J. The rise of the modern cotton industry in Japan. Textile Hist. Rev. 5(3):96-113. Ref. July 1964. 72.8 C8223
- 107154 KRAWANY, K. The Sika spinning and doubling spindle. Melliand Textile Rpt. 4:263-264,266, 268. 1963. 304.8 T312
- 107155 KRUGER, T. J. Spinner's types are decreasing—topmaking wools are increasing. Farming So. Africa 40(4):66-68. July 1964. 24 So842
- 107156 LINEN FLAX CORPORATION OF NEW ZEALAND. Report for the year ended 31 December 1962. Wellington, 1963. 7 p. 281.3739 L64
- 107157 LIVERPOOL COTTON ASSOCIATION. List of members and associate members 1964. Liverpool, 1964. 61 p. 287 L754L
- 107158 MARASSI, A. Culture of cotton in Egypt. 2. (It) Riv. di Agr. Subtrop. e Trop. 57(10/12):402-431, map. Ref. Oct./Dec.1963. 26 Ag82  
English summary.  
Industry.
- 107159 MARSH, J. T. The modern use of formaldehyde in the crease-resist finishing of cotton. Textile Rec. 82(977):57-59. Aug.1964. 304.8 T311
- 107160 MELLET, P. The influence of disulfide cross-linkages on the reaction between ninhydrin and wool. Textile Res. J. 34(7):644-645. July 1964. 304.8 T293
- 107161 MEMON, A. M., REHMAN, Z., and AHMAD, C. N. Varietal difference in fibre maturity of upland cottons. West Pakistan J. Agr. Res. 1 (3):46-50. June 1963. 22 W52  
Tests.
- 107162 MEYBECK, J., FREYTAG, R., and SLIPCEVIC-LEDIC, J. Contribution to the study of the reaction mechanism of sodium chlorite during cotton bleaching. (Fr) Inst. Textile de France. B. 18(112):405-420. May/June 1964. 304.8 T3145  
English summary.
- 107163 MIKHAILOVA, Z. I. A culture of great possibilities. (Rus) Len i Konoplya 6:4-6. 1964. 73.8 L542  
Yields and returns of flax.
- 107164 MINYARD, J. D. Cotton in Iran. U. S. Foreign Agr. Serv. FAS-M-160,21 p. June 1964. A281.9 F76Fm  
Industry.
- 107165 MIRO, P., and GARCIA DOMINGUEZ, J. J. Thin layer chromatography of wool hydrolysates. (Sp) Invest. e Inform. Textil 7(2):143-146. Apr./June 1964. 304.8 In84  
English summary.
- 107166 MONFORT, F. Adjustment of histograms of the diameter of wool tops by gamma distribution. (Fr) Ann. Sci. Textiles Belges 2:7-23. Ref. June 1964. 304.8 An72  
English summary.
- 107167 MUELLER, W. A., and SWIDLER, R. Some observations on attempts to form reversible cross-links in cotton. Textile Res. J. 34(7):656. July 1964. 304.8 T293
- 107168 NABAR, G. M., KAVISHWAR, S. V., and SHENAI, V. A. Studies in sodium chlorite: IV. Thermal decomposition of sodium chlorite under steam pressure in presence of ammonium salt & its influence on the bleaching of cotton cloth. Indian Journal of Technology 2(6):201-205. Ref. June 1964. 473 In22
- 107169 NATIONAL COTTON COUNCIL OF AMERICA. UTILIZATION RESEARCH DIV. Cotton in retail piece goods, by G. B. Booker. Rev. ed. Memphis, 1964. 35 p. 304 N216Co
- 107170 NETTO, D. D. Aspects of the 1962/63 Sao Paulo cotton crop. (Por) Agr. em Sao Paulo 11 (1/2):29-36. Jan./Feb.1964. 9.2 Ag823
- 107171 NEW ASPECTS of large-scale preparation in cotton spinning. (Fr) Inst. Textile de France. B. 18(112):465-490. Ref. May/June 1964. 304.8 T3145
- 107172 NEW YORK COTTON EXCHANGE. Directory of members corrected to July 1, 1963. New York, 1963. 85 p. 287 N488D
- 107173 NEW ZEALAND WOOL COMMISSION. Statistical analysis of New Zealand wool production and disposal, 1962-63 season. Wellington, 1963. 108 p. 286.3459 N482
- 107174 NEWTON, F. E., CALKINS, E. W. S., and GRIFFIN, A. C. Fiber and spinning properties of cotton as affected by certain harvesting and ginning practices, Yazoo-Mississippi Delta, 1959-60. U. S. D. A. Mktg. Res. Rpt. 656,27 p. June 1964. 1 Ag84Mr
- 107175 NICKERSON, D. Pattern of color change emerges from 3-year storage study of cotton grades. Textile Res. J. 34(7):645-647. July 1964. 304.8 T293
- 107176 NIGAM, V. N. The preparation of organo-mercury compounds as mildew and rot proofing agents. Agra U. J. Res. Sci. 12(3):127-133. Sept.1963. 513 Ag8  
For textiles.
- 107177 PANDE, A. The effects of nuclear radiation on cotton cellulose. Textile Rec. 82(977):60,62. (Cont.) Aug.1964. 304.8 T311
- 107178 PAR, J. P. Cotton situation in Greece. (Sp) Cent. Algodon. Nac. C. Inform. 40:2-5. Oct. 1963. 281.3729 C33

- 107179 PHILLIPS, G. O., and ARTHUR, J. C. Chemical effects of light on cotton cellulose and related compounds. II. Photodegradation of cotton cellulose. *Textile Res. J.* 34(7):572-580. Ref. July 1964. 304.8 T293
- 107180 PILKINGTON, W. G. Further increase in carryover. *Empire Cotton Growing Rev.* 41(3):210-219. July 1964. 72.8 Em7
- 107181 PONTING, K. G. Quality in wool. *Textile Rec.* 82(977):50-51,54,59. Aug.1964. 304.8 T311
- 107182 PORTER, H. G. Fibers are universal. *U. S. D. A. Ybk. Agr.* 1964:218-219. 1 Ag84Y Utilization.
- 107183 PORTER, H. G., and HORNBECK, B. M. Wool and other animal fibers. *U. S. D. A. Ybk. Agr.* 1964:251-257. 1 Ag84Y Largely history; includes silk and mohair.
- 107184 PRESTON, R. D. Observed fine structure in plant fibres. In Hearle, J. W. S., and Peters, R. H., ed. *Fibre structure*, p.235-268. Ref. 1963. 304 H352F
- 107185 RAY, H. D., and others. Measuring wool by staple length recorder. *U. S. D. A. Mktg. Res. Rpt.* 668,11 p. July 1964. 1 Ag84Mr H. C. Reals, D. D. Johnston, and E. M. Pohle, joint authors.
- 107186 ROSS, J. E., and SHANKLIN, E. H. Some effects of gin drying and cleaning of cotton on fiber length distribution and yarn quality. *U. S. D. A. Mktg. Res. Rpt.* 666,12 p. July 1964. 1 Ag84Mr
- 107187 RUPERT, W. Development in the construction of the card. II. (It) *Riv. Tessile* 40(6):215-219. June 1964. 304.8 R52
- 107188 RYDER, M. L. A survey of the gross structural features of protein fibres. In Hearle, J. W. S., and Peters, R. H., ed. *Fibre structure*, p.534-566. Ref. 1963. 304 H352F
- 107189 ST LOUIS, E. Water repellents and their effects on various fibers. *Amer. Dyestuff Rptr.* 53(17):26-28. Aug.17,1964. 306.8 Am3
- 107190 SATTLER, E. Machinery used in carded yarn spinning mills. (Ge) *Z. f. die Gesam. Textil Indus.* 66(8):631-636. Aug.1964. 304.8 D485 English summary.
- 107191 SAXENA, B. C. Marketing of cotton in Punjab. *Agr. Situation India* 18(11):781-784. Feb.1964. 281.9 In23
- 107192 SCHOUTEN, W. Statistical position of the crossbred market substantially stronger than the Merino market. (Du) *Tex* 23(7):541-542. July 1964. 304.8 T3195
- 107193 SHARPLES, A. Cellulose and its derivatives. In Hearle, J. W. S., and Peters, R. H., ed. *Fibre structure*, p.21-45. Ref. 1963. 304 H352F
- 107194 SIKORSKI, J. The fine structure of animal and man-made fibres. In Hearle, J. W. S., and Peters, R. H., ed. *Fibre structure*, p.269-310. Ref. 1963. 304 H352F
- 107195 SIKORSKI, J. Surface structure. In Hearle, J. W. S., and Peters, R. H., ed. *Fibre structure*, p.391-421. Ref. 1963. 304 H352F
- 107196 SMITH, H. E. Sales, incentive payments and prices for Texas wool, 1962 marketing year. *Tex. Agr. Expt. Sta. MP-722*, 18 p., map. June 1964. 100 T31M
- 107197 SMITH, H. R. Color measures cotton quality. *Fibre & Fabric* 117(3612):8-9. Aug.1964. 304.8 F44
- 107198 STONE, H. The South Carolina flax spinning project. *Linen Trade C. & New Fibres Rev.* 50(27):15. July 4,1964. 304.8 L64
- 107199 STUTZ, H. Spinning equipment, cotton system. VI. (It) *Riv. Tessile* 40(6):206-210. June 1964. 304.8 R52
- 107200 U. S. BUR. OF THE CENSUS. Cotton production and distribution, year ending July 31, 1963. *U. S. Bur. Census. B.* 200,73 p. 1964. 157.41 B89 Statistical.
- 107201 U. S. DEPT. OF AGRICULTURE. The new program for upland cotton. *U. S. D. A. PA-620*, 4 p. Apr.1964. 1 Ag84Pro
- 107202 VALOTA, A. Cotton spinning after the Hanover exposition. (Sp) *Invest. e Inform. Textil* 7(2):147-153. Apr./June 1964. 304.8 In84
- 107203 VENEZUELA. DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Estimacion de cosechas, 1963: sisal [Crop estimates, 1963: sisal]. Caracas, 1964. 11 p., map. (EEA-64-028) 73.29 V55
- 107204 VIDIELLA, J. E. The textile machinery exposition of Hanover. II. Cotton spinning. III. (Sp) *Invest. e Inform. Textil* 7(2):155-164. Apr./June 1964. 304.8 In84
- 107205 WAKIL, A. A. Wool: an important textile material. *Sci. Ind.* 1(2):63-67. Apr.1963. 475 Sci238 Industry.
- 107206 WEISS, L. C., and others. Influences of fiber properties on yarn twists. *Textile Res. J.* 34(7):605-611. Ref. July 1964. 304.8 T293 R. H. Tsol, J. E. Sands, and J. N. Grant, joint authors. Cotton.
- 107207 WOODING, N. S. Rayon and acetate fibres. In Hearle, J. W. S., and Peters, R. H., ed. *Fibre structure*, p.455-479. Ref. 1963. 304 H352F
- 107208 YAPI VE KREDI BANKASI. Linter cotton output and exports in Turkey. *Yapi ve Kredi Bankasi. Mkt. Rpt.* (n.s.)65,2 p. Sept.1963. 280.39 Y1
- 107209 YEN, C. P. Chung-kuo mien fang chih shih kao [Materials on the history of Chinese textiles, 1289-1937]. Peking, K'o hshueh Ch'u Pan She, 1963. 370 p. 304 Y3
- 107210 ZAHN, H. Moisture inhibiting metabolic effects in fiber proteins. (Ge) *Kolloid-Z. & Z. f. Polymere* 197(1/2):14-26. Ref. July 1964. 384 Z315 Includes discussion.
- 107211 ZIEGLER, K. New cross-links in alkali-treated wool. *J. Biol. Chem.* 239(8):PC2713-PC2714. Ref. Aug.1964. 381 J824

## FRUITS, VEGETABLES, AND NUTS

- 107212 ANNUAIRE international fructidor, 23<sup>e</sup> edition, 1964 [International annual fructidor, 23d edition, 1964]. Avignon, 1964. 1672 p. 157.54 OV2 Directory.
- 107213 CHAPMAN, W. F., BROOKS, T. L., and FORD, K. E. Vegetable production density, Alabama. *Ga. Agr. Expt. Sta. Mimeo. Ser.* (n.s.)198,25 p., map. July 1964. 100 G293M U. S. Dept. of Agriculture, cooperating.
- 107214 CONGRES INTERNATIONAL DE LA VIGNE ET DU VIN, 10, TBILISSI, 1962. [Proceedings]. (Fr) *Off. Internatl. de la Vigne et du Vin. B.* 37(400):565-589, map. (Cont.) Ref., p. 583-589. June 1964. 390.8 B87 Italian report by I. Cosmo on the state of culture and development prospects of table grapes.
- 107215 ENDRIZZI, L. European black currant "health plant." (It) *Terra Trent.* 10(5):197-199,201. May 1964. 16 T277 Production for juice.
- 107216 FUSE, M. Advances in Chiba Prefecture pear production. (Ja) *Noko-to-Engei* 18(6):96-98, map. June 1963. 22.5 N693
- 107217 GARAGNANI, P. L. Ten hours: fruit culture lessons. (It) *Modena* 70(5):16-19. May 1964. 280.9 M722 Report of a trip to the United States and Canada; observations on the apple industry.
- 107218 IMPORTANCE of grape products and by-products in national economies. (Fr) *Off. Internatl. de la Vigne et du Vin. B.* 37(399):504-521. May 1964. 390.8 B87 Hungarian report by M. Toth and Israeli report by Z. Carmi and D. Gilboa at the 4th reunion of Commission III of the Office International de la Vigne et du Vin, Israel, July 15-17, 1963.



- 107219 IMPORTANCE of grape products and by-products in the national economies. (Fr) Off. Internat. de la Vigne et du Vin. B. 37(400):623-644. June 1964. 390.8 B87  
Portuguese report by A. da C. Miguel and R. de Oliveira, Rumanian report by S. C. Teodoresco, G. Dimitresco, and A. I. Ionescu, and Swiss report by the Section de la Viticulture et de l'Economie Vinicole of the Division Federale de l'Agriculture, Berne, at the 4th reunion of Commission III of the Office Internationale de la Vigne et du Vin, held in Israel, July 15-17, 1962.
- 107220 IRANYOS, J. Determination of optimal production areas for table grapes in the Matraalja and Balaton region. (Hu) Budapest. Szolesz. Kutato Intezet. Kutatasi Eredmenyei 2:31-32. 1963. 95.9 B85S
- 107221 JENKINS, R. P. Vegetables. Va. Polytech. Inst. Agr. Ext. Va. Farm Econ. 185:18-21. May/June 1964. 275.29 V813  
Situation and outlook.
- 107222 JORDAN, E. Increase production of vegetables for processing. (Ge) Mitt. der Deut. Landwirt.-Gesell. 78(50):1586-1588, 1590, 1592. Dec. 12, 1963. 18 N39
- 107223 KRYAUCHYUNAS, I. V. Fruit culture of the Lithuanian SSR. (Rus) Sadovodstvo 5:7. May 1964. 80 Sa13  
Situation and outlook.
- 107224 MEHR, S. Fruit of the earth. U. S. D. A. Ybk. Agr. 1964:126-138. 1 Ag84Y  
History and industry.
- 107225 MOHR, W. P. Strawberries for processing. Canad. Food Indus. 35(8):44-47. Aug. 1964. 286.83 C166  
Situation.
- 107226 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Growing apples for profit. North. Ireland. Min. Agr. L. 9, 27 p. May 1964. 10 N81  
Industry.
- 107227 PARK, E. L. 1963 noncitrus fruit valued at \$800 million; production increased. Agr. Situation [Washington] 48(8):4. Aug. 1964. 1 Ec7Ag  
Situation and outlook.
- 107228 PROGENT, M. A. Fruit production in the southeast region of France. (Fr) Pomol. Franc. (n.s.) 5(10):319-321. Nov. 1963. 80 P77
- 107229 PUBOLS, B. H. Apple trends and prospects. U. S. D. A. Econ. Res. Serv. TFS-152:22-28, 34. 39-40. Aug. 1964. 1.9 Ec752F  
Production.
- 107230 PUBOLS, B. H. The fruit situation; key conditions and prospects for 1964 noncitrus crop. Agr. Situation [Washington] 48(8):5. Aug. 1964. 1 Ec7Ag
- 107231 ROBIN, F. Communication relative to the past agricultural season. II. Production and market of fruits and vegetables in 1963. (Fr) Acad. d'Agr. de France. Compt. Rend. 50(7):599-619. Apr. 22/29, 1964. 14 P215Bc  
Includes discussion.
- 107232 SAMTLEBEN, W. Lines of development in potato culture. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(27):978, 980-981. July 2, 1964. 18 N39  
Situation and outlook.
- 107233 SHAW, B. T. Partners in agricultural progress; talk before Florida Citrus Production Credit Association, Orlando, Fla., April 14, 1964. Washington, U. S. Agricultural Research Serv., 1964. 7 p. 1.98 Sh2  
Chiefly citrus industry.
- 107234 SOUBEYRAND, G. Study of fruit culture; economic aspects of fruit culture. (Fr) Arboricult. Fruitiere 11(119):8-16. Jan. 1964. 80 Ar13
- 107235 UTTAR PRADESH. DEPT. OF AGRICULTURE. Second (final) estimate of the peas crop for the year, 1962-63. Lucknow, 1963. 4 p. 60.39 Ut8P
- 107236 UTTAR PRADESH. DEPT. OF AGRICULTURE. Second (final) estimate of the potato crop for 1962-63. Lucknow, 1963. 6 p. 75.9 Ut8
- 107237 VIDAUD, J. Evolution of fruit production in the southeastern part of France. (Fr) Arboricult. Fruitiere 11(120):12-13. Feb. 1964. 80 Ar13
- 107238 VIDAUD, J. The orientation of orchards in the southeastern part of France. (Fr) Arboricult. Fruitiere 11(121):36-39. Mar. 1964. 80 Ar13
- 107239 VILLADOLID, D. V. Scientific diplomacy in South East Asia; International Coconut Institute moves to modernize industry. Sci. Rev. 4(5):6-8. May 1963. 475 Sci237
- 107240 YURKIN, S. N. At the Ministry of Agriculture of USSR. (Rus) Sadovodstvo 6:47-48. June 1964. 80 Sa13  
Fruit policies and programs.

## Analysis and Composition

- 107241 BECKER, M. Determination of reducing sugars in vegetables. (Ge) Z. f. Landwirt. Vers. u. Untersuchw. 10(1):75-84. 1964. 18 Z32  
English summary.
- 107242 CITRUS RESEARCH CONFERENCE, PASADENA, CALIF., 1963. Program and abstracts of papers. Albany, Calif., U. S. Agr. Res. Serv. West. Util. Res. & Developmt. Div., 1964? 18 p. A93.09 C74  
Analysis and processing.
- 107243 FRANCONI, B. Chemical and physical characteristics of Italian fruit juices and their dietetical and medicinal use. (It) Riv. Ital. Essenze—Profumi—Piante Officinali—Aromi—Saponi—Cosmetici 46(5):225-227. May 1964. 308.8 R52
- 107244 HOPPER, E. Cookery and taste tests of potatoes. (Ge) Kartoffelbau 14(12):284-285. Dec. 1963. 75.8 K145
- 107245 KEVEI, MRS. J., and BLAZOVICH, M. The possibilities of applying gas chromatography to the analysis of aromatic substances in fruit. (Hu) Budapest. Kozponti Elelmiszeripari Kutatointezet. Kozlem. 3:13-19. 1963. 389.9 B85  
German summary, p. 1.
- 107246 LAVINTMAN, N., and KRISMAN, C. R. The  $\alpha$ -glucan-branching glycosyltransferase of sweet corn. Biochim. et Biophys. Acta 89(1): 193-195. July 8, 1964. 381 B522
- 107247 LAZZARINI, R. A., and SAN PIETRO, S. A nonspecific pyridine nucleotide diaphorase from spinach. Arch. Biochem. & Biophys. 106(1/3): 6-14. Ref. July 20, 1964. 381 Ar2
- 107248 LIEBMANN, R., and SCHUHMANN, H. Identification of isopropyl-N-(3-chlorophenyl)-carbamate (CIPC) in m-chloroaniline with the aid of thin layer chromatography. (Ge) Chem. Tech. 16(5):267-268. May 1964. 384 C4283  
Analysis of residues on potatoes; used as growth inhibitor.
- 107249 MCCARTHY, A. I., WYMAN, H., and PALMER, J. K. Gas chromatographic identification of banana fruit volatiles. J. Gas. Chromatogr. 2 (4):121-124. Ref. Apr. 1964. 381 J8225
- 107250 NORTON, J. S., and DEMORANVILLE, I. E. Extracting internal atmosphere from fruits and vegetables. Agr. Engin. 47(5):384. July 1964. 58.8 Ag83  
To determine composition of internal atmosphere in connection with storage and processing.
- 107251 POLYMERACOS, N. G., BALATSOURAS, G. D., and VAUGHN, R. H. Some yeasts which change non-pasteurized orange juice and brine of olives and pickles. (Sp) Rev. de Cien Apl. 17(92):93-193-198. Ref. May/June 1963. 475 R324
- 107252 RALLS, J. W., and CORTES, A. Determination of Sevin in green beans by bromination and electron capture gas chromatography. J. Gas Chromatogr. 2(4):132-133. Apr. 1964. 381 J8225
- 107253 SINGH, A., and others. Chemical examination of the fruits of Cinnamomum cecidodaphne Meissn. Indian J. Chem. 2(6):252-253. June 1964. 385 In294  
S. N. Srivastava, V. N. Sharma, and K. N. Kaul, joint authors.  
Possible source of lauric acid.

- 107254 SINGH, A., and SHARMA, V. N. Subsidiary constituents of cashewnut shells. II. Isolation of ellagic acid. *Indian J. Chem.* 2(6):253. June 1964. 385 In294
- 107255 SWISHER, H. E. Detecting adulteration of citrus juices. *Calif. Citrog.* 49(10):392-393. Aug. 1964. 80 C125
- 107256 WILKINSON, B. G., and PERRING, M. A. Further investigations of chemical concentration gradients in apples. *J. Sci. Food & Agr.* 15(6):378-384. Ref. June 1964. 382 So12
- 107257 WINTER, M., and WILLHALM, B. Research on aromas. 10. On the aroma of fresh strawberries. (Fr) *Helvet. Chim. Acta* 47(5):1215-1227. Ref. Oct. 7, 1964. 385 H36
- Consumption and Utilization
- 107258 CADILLAT, R. M. International banana commerce consumption projections for the countries of the Common Market for 1970. (Fr) *Fruits* 19(3):159-178, map. Mar. 1964. 80 F9492
- 107259 DESPLANQUES, M. Competition between citrus, apples, and pears according to the consumer. (Fr) *Pomol. Franc. (n.s.)* 5(10):345-346. Nov. 1963. 80 P77
- 107260 DULIEU, P., and BUBLOT, G. Analyse economique de la consommation belge de legumes periode 1951-1963 [Economic analysis of Belgian consumption of vegetables, 1951-1963]. Brussels. Inst. Econ. Agr. Cahiers I.E.A. 16 (R-4), 67 p. Apr. 1964. 281.9 B832
- 107261 HOLLON, D. S. Household consumers' acceptance of instant sweetpotato flakes. U. S. D. A. Mktg. Res. Rpt. 663, 23 p. July 1964. 1 Ag84Mr
- Distribution, Marketing, and Transportation
- 107262 APPLE GROWERS ASSOCIATION, HOOD RIVER, OREG. Annual report for fiscal year ended April 30, 1964. Hood River, 1964. 23 p. 281.3939 Ap5
- 107263 BELGIUM. INSTITUT ECONOMIQUE AGRICOLE. Etude des debouches des fruits dans le cadre du Marche Commun [Study of the fruit market within the framework of the Common Market]. Brussels. Inst. Econ. Agr. Cahiers I.E.A. 13(ED-8), 109 p., map. Mar. 1964. 281.9 B832  
Pt. I, Statistical analysis of Belgian production, 1950-1959, by J. Jansen; II, The behavior of the Belgian consumer, by R. Remacle.
- 107264 BENNETT, L. G. Market intelligence in the horticultural industry. Reading, Eng. U. Dept. Agr. Econ. Misc. Studies 36, 42 p. June 1964. 281.9 R22Ms
- 107265 BOURGET, M. The national market of interest of Bordeaux-Brienne and the commercialization of fruit production in the southwest. (Fr) *Pomol. Franc. (n.s.)* 5(10):341. Nov. 1963. 80 P77
- 107266 BRANSON, R. E., POWELL, G., and SHAFER, C. Analysis of a promotion test for south Texas onions. *Tex. Agr. Expt. Sta. Prog. Rpt.* 2309, 13 p. Apr. 26, 1964. 100 T31P  
Includes costs and returns.
- 107267 CREMMINS, B. South Texas marketing orders—before and after. Rio Grande Val. Hort. Soc. J. 18:91-96. 1964. 81 L95  
Vegetables.
- 107268 CURLEE, D. Bartlett's are back—color them golden. *Prod. Mktg.* 7(7):25-26. July 1964. 280.38 P943  
Chiefly advertising.
- 107269 DAUSSANT, C. Organization of table grape markets. (Fr) *Journées Internatl. des Fruits et Legumes. Compt. Rend. des Conf. Pronon-ces* 2:57-61. Apr. 20/23, 1963. 93.09 J824  
Includes discussion.
- 107270 DIERICK, E., and BUBLOT, G. La commercialisation des legumes en Belgique [Marketing of vegetables in Belgium]. Brussels. Inst. Econ. Agr. Cahiers I.E.A. 11(R-3), 81 p. Jan. 1964. 281.9 B832
- 107271 DREW, W. H. Trends and current characteristics in the United States apple market. N. H. Agr. Expt. Sta. Sta. B. 479, 36 p. Dec. 1963. 100 N45
- 107272 DUVERNEUIL, G. A study of transporting pineapples vertically; realization and improvement of a container in corrugated cardboard. (Fr) *Fruits* 19(1):21-29. Ref. Jan. 1964. 80 F9492  
English summary, p. 48.
- 107273 EDWARDS, R. Methods of marketing apples and pears in South Australia. *Fruit World & Mkt. Grower* 65(7):14, 16, 18, 20. July 1964. 80 F948
- 107274 FISHMAN, G. M. On the percentage of natural losses of citrus fruit during railway shipments. (Rus) *Makharadze. Vses. Nauch.-Issled. Inst. Chaya Subtrop. Kul't. Subtrop. Kul't.* 1:81-88. 1963. 68.19 M28  
English summary.
- 107275 FLORIDA. UNIVERSITY. AGRICULTURAL EXTENSION SERV. 1964-65 acreage-marketing guides; Florida vegetables, with shipping patterns and competition in major cities. Gainesville, 1964. 40 p. 275.29 F66Foi
- 107276 GT. BRIT. POTATO MARKETING BOARD. Annual report and statement of accounts 1963. London, 1963. 31 p. 280.375 G79
- 107277 GRILLAT, G. Commercialization of fruit and vegetables and producers' group. (Fr) *Journées Internatl. des Fruits et Legumes. Compt. Rend. des Conf. Pronon-ces* 2:47-55. Apr. 20/23, 1963. 93.09 J824
- 107278 HONSEL, P. VAN. The garden of 1889: XXI. (Du) *Groenten en Fruit* 20(3):123. July 15, 1964. 80 G89  
Fruit and vegetable auctions.
- 107279 KERR, H. W., and HESTER, O. C. Recent research on the marketing of sweetpotato flakes. U. S. D. A. Econ. Res. Serv. MTS-154: 28-32. Aug. 1964. 1.941 M8M34
- 107280 KROSNAR, R. Cooperative vegetable and fruit marketing. (Ge) *Landwirt. Genossenschaftsfragen.* 11:87-89. 1963. 280.28 L232  
Austria.
- 107281 LOHDEN, A., and RAUTENBERG, B. Harvests and sales of strawberries, black currants, red currants, and sour cherries in 1963. (Ge) *Obstbauverstring. des Alten Landes. Mitt.* 19 (2):63-68. Feb. 1964. 85 J76
- 107282 MAINIE, M. P. The tendencies of the metropolitan supply of apples in the main regions of production. (Fr) *Pomol. Franc. (n.s.)* 5(10): 342-344. Nov. 1963. 80 P77
- 107283 MEISTER, R. T. Big apple crop challenges industry 140 million bushel crop guesstimated at NAI meeting. Industry optimistic about promoting and marketing crop. *Amer. Fruit Grower* 84(8):8, 10. Aug. 1964. 80 G85
- 107284 MOORE, N. E. A local, regional, national and world-wide program for marketing blueberries. N. J. Agr. Expt. Sta. Annu. Blueberry Open House. Proc. 31:22-23. 1963. 94.35 N46A
- 107285 OVERHEIM, R. K., and SCHWIER, M. L. Milwaukee wholesale fresh fruit and vegetable market facilities. U. S. D. A. Mktg. Res. Rpt. 664, 50 p., map. June 1964. 1 Ag84Mr
- 107286 RIBON, B. Inquiry into the administrative organization of some cooperatives in the United States. (Spring 1962). (Fr) *Pomol. Franc. (n.s.)* 6(2):33-36; (3):79-82. Feb.-Mar. 1964. 80 P77
- 107287 ROCARD, F. Conditioning and standardization of table grapes in the Mediterranean South. (Fr) *Journées Internatl. des Fruits et Legumes. Compt. Rend. des Conf. Pronon-ces* 2: 63-66. Apr. 20/23, 1963. 93.09 J824  
France.
- 107288 SASS, U. Berlin's fruit supply. (Ge) *Erwerbs-obstbau* 6(1):1-3. Jan. 1964. 80 Er9  
Includes markets, imports, and consumption in West Berlin.
- 107289 SEALE, A. D. Prospective new uses of reactive programming in studying interregional competition. Assoc. South. Agr. Workers. Mktg. Sect. Proc., 60th Annu. Conv. (paper 7), 11 p. 1963. 4 As73P  
Especially vegetables.



- 107290 UNION VALAISANNE POUR LA VENTE DES FRUITS ET LEGUMES. 30e rapport annuel, exercice 1963 [30th annual report, 1963 season]. Saxon, 1964. 43 p. 286.3939 Un33
- 107291 U. S. AGRICULTURAL MARKETING SERV. 1965 acreage-marketing guides winter vegetables and potatoes. U. S. Agr. Mktg. Serv. AMG 39,43 p. Aug.1964. A281.3919 M34
- 107292 WICKHAM, J. How to make a profit in roadside marketing. Amer. Fruit Grower 84(7):11. July 1964. 80 G85

#### Grading, Inspection, Standardization, and Quality

- 107293 ASTAKHOV, A. I. Plums for canning industry. (Rus) Sadovodstvo 7:34. July 1964. 80 Sa13 Quality.
- 107294 AVERY, D. T. A day with a fruit & vegetable inspector. Agr. Mktg. 9(8):5. Aug.1964. A280.38 Ag8
- 107295 COSMO, I. Quality criteria for table grapes; general report. (Fr) Off. Internatl. de la Vigne et du Vin. B. 37(399):453-475. (Concl.) May 1964. 390.8 B87  
At the 5th reunion of Commission I of the Office International de la Vigne et du Vin, Israel, July 15-17, 1963.
- 107296 DAVIS, R. M., BAKER, G. A., and KASMIRE, R. F. Muskmelon quality characteristics— their variability and interrelationships. Hilgardia 35(16):479-489. July 1964. 100 C12H
- 107297 HENDRICH, K. H. Large sorting installations for potatoes. (Ge) Bauen auf dem Lande 15(6): 136-139. June 1964. 296.8 Ar1  
Layouts and equipment.
- 107298 HOPE, G. W. A monograph for calculating specific gravity of potato tubers. Amer. Potato J. 41(7):221-222. July 1964. 75.8 P842
- 107299 KROKOWSKI, A., VISCARDI, K., and BERKIE-TA, R. Performance of "Dokex" onion graders, made in Holland. (Pol) B. Warzywnicy 6:191-200. 1961/62. 80 B54  
English summary.
- 107300 LAVELEYE, Y. DE. Quality of vegetables sought by industry for canning. (Fr) Pepinieristes Hort. Maraichers 42:1693-1696. Dec. 1963. 80 P39
- 107301 LONG, W. G. Dyes to mark injuries can aid citrus grading. Sunshine State Agr. Res. Rpt. [Fla. Sta.] 9(3):24-25. July 1964. 100 F66Su
- 107302 LUJAN, L., and SMITH, O. Potato quality. XXIV. Objective measurement of mealiness in potatoes. Amer. Potato J. 41(8):244-252. Ref. Aug.1964. 75.8 P842
- 107303 MARUCCI, P. E. The problem of insect control and insecticide residues in blueberries. N. J. Agr. Expt. Sta. Annu. Blueberry Open House. Proc. 31:8-13. 1963. 94.35 N46A
- 107304 MASTEAU, P. Standardization of fruits and vegetables; is it threatened even before it is put into practice? (Fr) Pepinieristes Hort. Maraichers 45:1877-1879. Mar.1964. 80 P39 Europe.
- 107305 MERWIN, E. J. The peach, another stone fruit. Givaudan Flavorist 4:1-4,6. Ref. 1963. 308.8 G44  
Flavor analysis.
- 107306 NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIV. OF PLANT INDUSTRY. The grading of vegetables. Agr. Gaz. N. S. Wales 75(6): 1087-1091. June 1964. 23 N472
- 107307 NORMAND, M. L. International standardization of fruit and vegetables. (Fr) Journees Internatl. des Fruits et Legumes. Compt. Rend. des Conf. Prononcees 2:41-45. Apr.20/23,1963. 93.09 J824
- 107308 SEIFERT, D. Voluntary quality standards for machine-harvested green peas in Bavaria. (Ge) Indus. Obst- u. Gemuseverwert. 49(13):395-396. July 2,1964. 389.8 K832
- 107309 SHAFI, M. Cooking quality in potato. Agr. Pakistan 14(3):258-265. Sept.1963. 22 Ag832

- 107310 TORJE, D., and CONSTANTINESCU, E. Grading potato varieties in the People's Republic of Rumania. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:109-111. 1964. 20 M57
- 107311 VAN GELUWE, J. D., and others. Residues of organic mercury compounds in apple. Plant Dis. Rptr. 48(7):525-527. July 15,1964. 1.9 P69P  
W. H. Gutenmann, W. D. Mills, and K. G. Parker, joint authors.
- 107312 WALKER, J. R. L. The polyphenoloxidase of pear fruit. Austral. J. Biol. Sci. 17(2):575-576. May 1964. 442.8 Au72  
Browning.
- 107313 WALKER, J. R. L. Studies on the enzymic browning of apples. II. Properties of apple polyphenoloxidase. Austral. J. Biol. Sci. 17(2): 360-371. Ref. May 1964. 442.8 Au72  
In storage.

#### Packing and Packaging

- 107314 ABRELL, J. W. Selling peaches from a salesman's viewpoint; the author, a peach salesman, discusses packaging, stresses importance of grower-salesman confidence. Amer. Fruit Grower 84(8):5,20. Aug.1964. 80 G85  
Packaging.
- 107315 CHAPMAN, T. A potential giant: Florida vegetable men "have been dragging their feet" when it comes to consumer packaging but competition is forcing a better pack. Potential in packaging materials for fresh vegetables is estimated at millions of dollars. Amer. Veg. Grower 12(8): 14-16,19-20,28-29. Aug.1964. 80 C733  
Packaging in Florida.
- 107316 CHAPOGAS, P. G., and STOKES, D. R. Pre-packaging lettuce at shipping point. U. S. D. A. Mktg. Res. Rpt. 670,48 p. Ref. July 1964. 1 Ag84Mr
- 107317 DICKINSON, T. A. Packing facilities consolidated. West. Fruit Grower 18(8):13-14. Aug. 1964. 95.8 G762  
Lemons in California.
- 107318 MARCELLIN, P. Physiological packaging for the preservation of apples and pears. (Fr) Pomol. Franc. (n.s.)6(1):5-6. Jan.1964. 80 P77  
Use of polyethylene bags.
- 107319 MARCELLIN, P. Physiological packing for the storage of apples and pears. (Fr) Phytoma 15 (151):22-23. Sept./Oct.1963. 464.8 P563  
Use of polyethylene wrappers, in France.
- 107320 PACKAGE RESEARCH LABORATORY. Mature peaches; how to deliver them to the retail store in better condition. Package Res. Lab. Bull. 382,10 p.,map. 1963. 280.3939 P12  
Packing.
- 107321 SORDOILLET, R. For a standardization of fruit centers. (Fr) Pomol. Franc. (n.s.)6(2): 51-55. (Cont.) Feb.1964. 80 P77  
Packaging.
- 107322 U. S. AGRICULTURAL MARKETING SERV. FRUIT AND VEGETABLE DIV. Plants approved to pack processed fruits and vegetables under continuous inspection, as of July 1, 1964. U. S. Agr. Mktg. Serv. AMS-100,38 p. July 1964. A280.39 M34Am  
Directory.

#### Prices, Price Control, and Rationing

- 107323 CURLEE, D. Pricing time in cansville; it takes talk to establish the price for canning crops in the West, but listening and watching can be fun too. West. Fruit Grower 18(7):5-7. July 1964. 95.8 G762
- 107324 DAMSTEDT, J. Price and quality of food potatoes. (Sw) Varmlands Lans Hushallsk. Arsberat. 1963:156-158. 11 V43
- 107325 HERRMANN, W. Price variations in comparable products in the retail trade. (Ge) Indus. Obst- u. Gemuseverwert. 49(12):352-355. June 18,1964. 389.8 K832  
Fruits and vegetables.

- 107326 ISHIKAWA, Y. Vegetable retail prices and marketing. (Ja) Nogyo to Keizai 30(2):36-42. Feb.1964. 281.8 N682
- Processing and Storage
- 107327 ARTHEY, V. D. Quick frozen peas; some factors affecting their quality. *Gt. Brit. Min. Agr. Fisheries & Food. Agr.* 71(6):252-255. June 1964. 10 G79J  
Great Britain.
- 107328 ARTNER, X. Experiences with a modern community warehouse for seed and food potatoes. (Ge) *Bauen auf dem Lande* 15(6):132-135. June 1964. 296.8 Ar1
- 107329 ATKINSON, F. E., and STRACHAN, C. C. Sulphur dioxide preservation of fruits. *Canada. Dept. Agr. P.* 1176,31 p. Ref. 1964. 7 C16Pu
- 107330 BERAHA, L. Influence of gamma radiation dose rate on decay of citrus, pears, peaches, and on *Penicillium italicum* and *Botrytis cinerea* in vitro. *Phytopathology* 54(7):755-759. Ref. July 1964. 464.8 P56
- 107331 BERKIETA, R., KROKOWSKI, A., and VISCARDI, K. Experiments with the performance of the "Dokex" onion topping machine, and the comparison of the storage quality of onions topped mechanically or by hand—1960/61 and 1961/62. (Pol) *B. Warzywniczy* 6:181-190. 1961/62. 80 B54  
English summary.
- 107332 BHUTIANI, R. C. Home preservation of fruits. *Indian Farming* 14(1):32-40. Apr.1964. 22 In283
- 107333 BONDOUX, P. The principal fungus diseases of apples and pears in storage. (Fr) *Arboricult. Fruitiere* 11(121):17-25. Ref. Mar.1964. 80 Ar13  
Includes control.
- 107334 BONDOUX, P. Principal fungus diseases of pears and apples in storage. (Fr) *Journées Internat. des Fruits et Legumes. Compt. Rend. des Conf. Prononcees* 2:19-33. Ref. Apr.20/23, 1963. 93.09 J824  
Includes control.
- 107335 CHANG, P. T. Storage of sweetpotatoes based on the special character of their biology. (Ch) *Chung Kuo Nung Pao* 11(271):30-31. Nov.1963. 22.5 C473
- 107336 CHRIST, R. A. Experiments with a new fungistat to control decay of citrus fruit. *So. African Citrus J.* 365:3,5,7. May 1964. 80 C495  
With DBTCE.
- 107337 COOLEY, A. M. Improvements in the processing of potato and vegetable products. *N. Dak. Acad. Sci. Proc.* 17:58-63. Dec.1963. 500 N813
- 107338 DOESBURG, J. J. Course in the preservation of foods. 20. Vegetables and fruit. 20.2. Processing of vegetables and fruit. 20.2.1. Influence of preservation on various properties. (Du) *Conserva* 12(7):167-171. (Cont.) Jan. 1964. 389.8 C7632
- 107339 DOESBURG, J. J. Course in the preservation of foods. 20. Vegetables and fruit. 20.2. Processing of vegetables and fruit. 20.2.1. Influence of preservation on various properties. (Du) *Conserva* 12(8):195-201. (Cont.) Feb.1964. 389.8 C7632
- 107340 DUPAIGNE, P. Action of ionizing radiation on the banana. (Fr) *Fruits* 19(4):209-212. Ref. Apr.1964. 80 F9492  
English summary, p.233.
- 107341 DUPAIGNE, P. Ionizing rays application to fruit products. (Fr) *Fruits* 19(1):31-42. Ref. Jan.1964. 80 F9492  
English summary.
- 107342 EDMAN, V. G. Some economic aspects of orange processing. *U. S. D. A. Econ. Res. Serv. MTS-152*:31-35. Feb.1964. 1.941 M8M34
- 107343 EDNEY, K. L. A comparison of the production of extra-cellular enzymes and rotting of apples by *Pezizula alba* and *P. malicorticis*. *Brit. Mycol. Soc. Trans.* 47(2):215-225. Ref. June 1964. 451 B76
- 107344 EDNEY, K. L. Post-harvest rotting of strawberries. *Plant Path.* 13(2):87-89. June 1964. 464.8 P692
- 107345 FARRIS, D. E. Determining internal economics to scale in fruit and vegetable processing plants. *Assoc. South. Agr. Workers. Mktg. Sect. Proc., 60th Annu. Conv. (paper 4)*, 25 p. 1963. 4 As73P  
Includes discussion by J. L. Bowers and L. C. Martin.
- 107346 FRANKLIN, E. R., and REHBERG, W. A. Should we have fruit and vegetable processing in our county? *Wash. State U. Agr. Ext. Ext. Mimeo.* 2333,5 p. Aug.1963. 275.29 W27Mi
- 107347 FREIXO, J. Applications of cold to food preservation. (Por) *Conservas de Peixe* 19(219):31. (Cont.) June 1964. 389.8 C7692  
Refrigerated storage of vegetables.
- 107348 HARDENBURG, R. E. Greening of potatoes during marketing—a review. *Amer. Potato J.* 41(7):215-220. Ref. July 1964. 75.8 P842  
Effects of light.
- 107349 HARRIS, C. M., and LIPTON, W. J. Effect of atmosphere on cauliflower quality. *Prod. Mktg.* 7(7):35. July 1964. 280.38 P943  
Storage.
- 107350 HEINRICH, H. R. Spain and the E.C.C.—consequences of the Brussels decision for the international canned food industry. (Ge) *Indus. Obst- u. Gemuseverwert.* 49(14):425-426. July 16,1964. 389.8 K832  
Fruit and vegetables.
- 107351 HENDRICKSON, R., and KESTERSON, J. W. Experimental citrus feed mill. *Sunshine State Agr. Res. Rpt. [Fla. Sta.]* 9(3):26-27. July 1964. 100 F66Su  
Citrus pulp pilot plant.
- 107352 HERMAN, M. G. New methods of gathering and handling fruit from the orchard to the servicing room; consequences for future commercialization. (Fr) *Pomol. Franc. (n.s.)* 5(10):353-355. Nov.1963. 80 P77
- 107353 HERREGODS, M., and PROOST, M. DE. The effect of gamma irradiation on the preservation of strawberries. *Food Irradiation* 4(1/2):A35-A38. July/Dec.1963. 389.8 F7383
- 107354 HSIUNG, C. H. Use "401" to prevent rot in sweetpotatoes. (Ch) *Nongye Jishu* 10:16-17. Oct.1963. 22.5 N929
- 107355 HUA, P. P., FAN, T. H., and CHIA, T. E. A new slicing machine for sweetpotatoes. (Ch) *Nongye Jixie Jishu* 5(74):26-27. May 1964. 58.8 N922
- 107356 INGLETON, J. F. The manufacture of candied fruit. *Confectionery Prod.* 30(6):445-446. (Cont.) June 1964. 389.8 C762
- 107357 JOHNSON, H. B. Effect of hot water treatments and hydrocooling on postharvest bacterial soft rot [*Erwinia carotovora*] in Bell peppers. *U. S. Agr. Mktg. Serv. AMS-517*, 6 p. Apr.1964. A280.39 M34Am
- 107358 KAHAN, R. S., AHARONI, Y., and LATTAR, S. F. Preliminary measurements of the effect of 60 Co gamma rays on the respiration rate of Shamouti oranges after harvest. *Food Irradiation* 4(1/2):A22-A25. July/Dec.1963. 389.8 F7383
- 107359 KE, T. Y., and LAI, T. H. Studies on the utilization of bananas. 1. Banana puree. (Ch) *J. Agr. & Forestry* 12:42-50. Oct.1963. 22.5 J823  
English summary.
- 107360 KENNERLY, A. B. Controlled storage keeps potatoes fresher for better quality chips. *Canner/Packer* 133(8):21-22. Aug.1964. 286.83 C16
- 107361 KHAN, M. S., and ULLAH, I. Cold storage studies of sweet oranges. *West Pakistan J. Agr. Res.* 1(3):97-100. June 1963. 22 W52
- 107362 KHAN, S. A., AHMAD, M., and KHAN, S. Canning of sweet orange juice—variety Ruby Red. *West Pakistan J. Agr. Res.* 1(3):27-40. June 1963. 22 W52
- 107363 KHAN, S. A., ROGHANI, M. S., and KHAN, S. Sundrying and dehydration of fruits in Peshawar region. *Agr. Pakistan* 14(4):397-419. Ref. Dec.1963. 22 Ag832
- 107364 KLEDITZSCH, M. Economic problem of industrial preparation and storage of seed potatoes. (Ge) *Z. f. Agrarikon.* 7(7):197-200. 1964. 281.8 Z3



- 107365 LAWLER, F. K. Centrifuges flavor from juice; puts it back into concentrate, bypassing heat damage. *Food Engin.* 36(8):42-45. Aug.1964. 389.8 F737  
Orange juice.
- 107366 LEBLOND, C. Practical rules for cold storage of apples and pears. (Fr) *Journees Internatl. des Fruits et Legumes. Compt. Rend. des Conf. Prononcees* 2:5-17. Ref. Apr.20/23,1963. 93.09 J824
- 107367 LEIGHTON, A. E. Practical aspects of deep fat nut frying. *Confectionery Prod.* 30(5):349-351,372. May 1964. 389.8 C762
- 107368 LUNDQUIST, A. L., and BOUMA, J. C. Three methods for loading out produce in warehouses. U. S. D. A. Mktg. Res. Rpt. 665,44 p. June 1964. 1 Ag84Mr  
Fruits and vegetables.
- 107369 MACLEAN, D. C., and DEDOLPH, R. R. Phyto-kinins and senescence in broccoli. *Amer. J. Bot.* 51(6,pt.1):618-621. Ref. July 1964. 450 Am36  
Post-harvest treatment.
- 107370 MARCELLIN, P. Storage in controlled atmosphere by means of air tight rooms and spaces enclosed with plastic films. (Fr) *Journees Internatl. des Fruits et Legumes. Compt. Rend. des Conf. Prononcees* 2:35-39. Apr.20/23,1963. 93.09 J824  
Apples and pears.
- 107371 MARTIN, W. J. Effectiveness of fungicides in reducing soft rot in washed, cured sweetpotatoes. *Plant Dis. Rptr.* 48(8):606-607. Aug.15, 1964. 1.9 P69P  
Sodium o-phenylphenate and 2,6-dichloro-4-nitroaniline.
- 107372 MATHIA, G. A. Selection of the optimum number, size and location of processing plants. *Assoc. South. Agr. Workers. Mktg. Sect. Proc., 60th Annu. Conv.(paper 5), 24 p., map.* 1963. 4 As73P  
Especially for North Carolina sweetpotato industry.
- 107373 MATHUR, P. B. Low-dose gamma irradiation of fresh fruits. *Food Irradiation* 4(1/2):A26-A28. July/Dec.1963. 389.8 F7383
- 107374 MEIGH, D. F. The natural skin coating of the apple and its influence on scald in storage. I. *J. Sci. Food & Agr.* 15(7):436-443. Ref. July 1964. 382 So12
- 107375 NAYAK, M. L. A new organism causing dry rot of potatoes. *Sci. & Cult.* 30(3):143-144. Mar.1964. 475 Sci24  
Cylindrocarpus tonkinensis on potatoes in storage.
- 107376 NEW YORK (STATE). DEPT. OF AGRICULTURE AND MARKETS. Cold storage holdings of apples in New York State, 1953-62 storage seasons. Albany, 1964. 11 p. 280.3939 N483
- 107377 NEW YORK (STATE). DEPT. OF AGRICULTURE AND MARKETS. Processing plants for fruits and vegetables. Albany, 1963. 34 p. 280.3939 N483
- 107378 NILSSON, L. Phoma rot of stored potatoes even in the winter. (Sw) *Lantmannen* 75(10): 254-257. Mar.7,1964. 11 L234
- 107379 PAZIRUK, K. I., and BURMAN, M. E. Proizvodstvo kartofel'nogo krakhmala v kolhozakh i sovkhovakh [Production of potato starch on collective and state farms]. Moskva, Pishchepromizdat, 1963. 167 p. 75 P29  
Includes equipment.
- 107380 PUBOLS, B. H. Processed noncitrus fruit. U. S. D. A. Econ. Res. Serv. TFS-151:16-22, 24-36. June 1964. 1.9 Ec752F
- 107381 RAO, V. G. Some new market and storage diseases of fruits from India. *Plant Dis. Rptr.* 48 (8):629-633. Aug.15,1964. 1.9 P69P
- 107382 SALLES, C. General characteristics of a quick-freeze center for storage, transportation and regulation of quick-frozen products. (Fr) *Pepinieristes Hort. Maraichers* 48:2177-2178. June/July 1964. 80 P39
- 107383 SARAVACOS, G., and MACRIS, B. Radiation preservation of grapes and some other Greek fruits. *Food Irradiation* 4(1/2):A19-A21. July/Dec.1963. 389.8 F7383
- 107384 SCHULTZ, W. Vacuum-spray evaporator. *Food Engin.* 36(8):62-63. Aug.1964. 389.8 F737  
Fruit and vegetable juices.
- 107385 SMITH, W. L., and others. Reduction of post-harvest decay of peaches and nectarines with heat treatments. I. Factors involved in effective heat treatment of peaches. II. Packaging tests. U. S. D. A. Mktg. Res. Rpt. 643,24 p. Ref. June 1964. 1 Ag84Mr  
R. D. Bassett, C. S. Parsons, and R. E. Anderson, joint authors.  
Decay caused by *Monilinia fructicola* and *Rhizopus stolonifer*.
- 107386 SORDOILLET, R. For a standardization of fruit centers. (Fr) *Pomol. Franc. (n.s.)*5(11): 379-385. (Cont.) Dec.1963. 80 P77  
Refrigeration equipment.
- 107387 SORDOILLET, R. For a standardization of fruit centers. (Fr) *Pomol. Franc. (n.s.)*6(1):7-10. (Cont.) Jan.1964. 80 P77  
Insulation.
- 107388 SORDOILLET, R. For a standardization of fruit centers. (Fr) *Pomol. Franc. (n.s.)*6(4): 125-126,129-132. (Cont.) Apr.1964. 80 P77  
Overall organization.
- 107389 SORDOILLET, R. For a standardization of fruit centers. (Fr) *Pomol. Franc. (n.s.)*6(5): 165-168. (Cont.) May 1964. 80 P77
- 107390 SORDOILLET, R. For a standardization of fruit centers. (Fr) *Pomol. Franc. (n.s.)*6(6): 189-190,193-196. (Cont.) Ref. June 1964. 80 P77  
Design of refrigeration equipment.
- 107391 STEINBUCH, E. Course in the preservation of food products. 20. Vegetables and fruit. 20.2. Processing of vegetables and fruit. 20.2.2. Pre-processing of vegetables and fruit. (Du) *Con-serva* 13(1):7-14. July 1964. 389.8 C7632
- 107392 STEVENSON, C. D., and CARROLL, E. T. Effect of storage atmosphere and temperature on core flush incidence in Granny Smith apples. *Queensland J. Agr. Sci.* 20(4):537-538. Dec. 1963. 23 Q37
- 107393 STEVENSON, C. D., and CARROLL, E. T. Further investigations into the effect of storage atmosphere and temperature on cool-stored Granny Smith apples. *Queensland J. Agr. Sci.* 20(4):527-532. Dec.1963. 23 Q37
- 107394 SVENSSON, B. Potatisen som ravara vid chip-stillverkning [Potatoes as raw material for potato chips preparation]. Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 36,10 p. 1964. 11 Up62A
- 107395 SWOPE, D. A., and FOX, R. S. Vining methods and cost of processing lima beans. *Md. Agr. Expt. Sta. Misc. P.* 519,43 p. Ref. June 1964. 100 M36M
- 107396 TITOV, N. N. Dehydrofreezing of berries. (Rus) *Sadovodstvo* 6:34-36. June 1964. 80 Sa13  
Includes equipment.
- 107397 USAI, A. Determination of the value of bananas on the quay. (It) *Rass. Chim.* 16(3):134-136. May/June 1964. 385 R18  
Analysis for infection by *Gloeosporium musarum* by Wood's light.
- 107398 VERHOEVEN, G. Storing seed potatoes in south Queensland. *Queensland Agr. J.* 90(5): 257-260. May 1964. 23 Q33
- 107399 VIDAL, P. Preservation of soft fruit by radiopasteurisation. *Food Irradiation* 4(1/2):A2-A9. July/Dec.1963. 389.8 F7383
- 107400 VIDAL, P. Radiopasteurisation of tomatoes. *Food Irradiation* 4(1/2):A31-A34. July/Dec. 1963. 389.8 F7383
- 107401 VILHJALMSSON, S. Freezing of Icelandic vegetables. (Ic) *Gardyrkjufelag Islands. Arsrif* 1963:19-20. 86 Is4
- 107402 WOODROOF, J. G., and HEATON, E. K. Storage of pecans. *North. Nut Growers Assoc. Annu. Rpt.* 54:40-43. 1963. 94.69 N81
- 107403 WOODROOF, J. G. Storing and handling chestnuts. *North. Nut Growers Assoc. Annu. Rpt.* 54:38-40. 1963. 94.69 N81
- 107404 ZEEUW, D. DE. Summary of fruit irradiation at Wageningen. *Food Irradiation* 4(1/2):A29-A30. July/Dec.1963. 389.8 F7383

Statistics

- 107405 BECKER, O. H. Structural changes in horticulture. (Ge) Landesverband Gartenbau. U. Landwirt. Berlin. Mittbl. 14(12):15. Dec.1963. 85 L233  
Statistics on acreage and area.
- 107406 CADILLAT, R. M., and NAVILLE, R. World citrus production. (Fr) Fruits 19(4):219-230. Apr.1964. 80 F9492  
English summary, p.235.
- 107407 CALIFORNIA CROP AND LIVESTOCK REPORTING SERV. California fruit and nut acreage; bearing and non-bearing acreage, principal crops by counties; acreage of principal crops by varieties and age groups as of 1963. Sacramento, 1963. 27 p.,map. 252.09 C125
- 107408 CALIFORNIA CROP AND LIVESTOCK REPORTING SERV. California vegetable crops; acreage, production and value 1959-1962; county acreage 1961-1962. Sacramento, 1963. 25 p., map. 252.09 C882C  
Statistical Reporting Service of U.S. Department of Agriculture and California Bureau of Agricultural Statistics, cooperating.
- 107409 FLETCHER, W. A. 1963 survey of sub-tropical fruits. Orchardist New Zeal. 37(5):157,159. June 1964. 80 Or19  
Commercial production.
- 107410 FLETCHER, W. A. Survey of citrus orchards in New Zealand, 1963. Orchardist New Zeal. 37(5):138-139,141,143,145,147. June 1964. 80 Or19
- 107411 JANSEN, J. Nouvelles plantations fruitieres a basses tiges; analyse des resultats du recensement horticole complementaire au 15 mai 1963 [New low-stem fruit plantations; analysis of results of the supplementary horticultural census of May 15, 1963]. Brussels. Inst. Econ. Agr. Cahiers I.E.A. 17(ED-10),67 p. Apr.1964. 281.9 B832
- 107412 LAKSHMANACHAR, M. S. Acreage and production statistics of arecanut in India. Arecanut J. 15(1):17-21. Jan./Mar.1964. 77.8 Ar3
- 107413 LEMKE, H. Reduction to 50,000 hectare of planting potatoes. (Ge) Kartoffelbau 14(12):273-274. Dec.1963. 75.8 K145
- 107414 NIESCHULZ, A. Yield and valuation of the potato harvest 1963. (Ge) Kartoffelbau 14(12):274-276. Dec.1963. 75.8 K145
- 107415 SEIBEL, A. The world potato harvest 1962. (Ge) Kartoffelbau 14(12):276-278. Dec.1963. 75.8 K145
- 107416 SOUTH CAROLINA AGRICULTURAL EXPERIMENT STATION. South Carolina vegetable statistics, 1962 revised, 1963 preliminary. S. C. Agr. Expt. Sta. AE 262,11 p.,map. June 1964. 281.9 C59  
U. S. Department of Agriculture, cooperating.
- 107417 VENEZUELA, DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Estimacion de cosechas, 1963: papa (invierno y norte) [Crop estimates, 1963: potatoes (winter and northern area)]. Caracas, 1964. 54 p.,map. (EEA-64-33) 75.9 V55E
- 107418 VENEZUELA, DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Estimacion de cosechas, 1963: tomate (cosecha de invierno) [Crop estimates, 1963: tomatoes (winter crop)]. Caracas, 1964. 37 p.,map. (EEA-64-027) 91.58 V55
- 107419 WALTERS, H. M. The 1962 blueberry crop. N. J. Agr. Expt. Sta. Annu. Blueberry Open House. Proc. 31:1-4. 1963. 94.35 N46A  
Statistics.
- 107420 WASHINGTON, STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: apples. Wash. State U. Agr. Ext. Ext. Mimeo. 2376,2 p. Feb. 1964. 275.29 W27Mi
- 107421 WASHINGTON, STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: apricots. Wash. State U. Agr. Ext. Ext. Mimeo. 2378,2 p. Feb. 1964. 275.29 W27Mi
- 107422 WASHINGTON, STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: onions, late summer. Wash. State U. Agr. Ext. Ext. Mimeo. 2405,2 p. Apr.1964. 275.29 W27Mi
- 107423 WASHINGTON, STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: peaches. Wash. State U. Agr. Ext. Ext. Mimeo. 2377,2 p. Feb. 1964. 275.29 W27Mi
- 107424 WASHINGTON, STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: sour cherries. Wash. State U. Agr. Ext. Ext. Mimeo. 2392,2 p. Mar.1964. 275.29 W27Mi
- 107425 WASHINGTON, STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: strawberries. Wash. State U. Agr. Ext. Ext. Mimeo. 2367,1 p. Jan.1964. 275.29 W27Mi

GRAIN AND GRAIN PRODUCTS

- 107426 ACKERMANN, F. Thoughts on milling at the beginning of the new fiscal year. (Ge) Muhle 101(31):546-547. July 30,1964. 298.8 M89
- 107427 ACTON, F. E. South Australian standard wheats, semi-hard and F.A.Q. 1963-64 harvest; results of milling, chemical and baking tests. So. Austral. J. Agr. 67(11):350-353. June 1964. 23 So84
- 107428 ANDERSEN, A. Grain production and trade in 1963-64 and prospects for 1964-65. (Da) Dansk Landbr. 83(7):213-214. July 1964. 280.28 V91
- 107429 ANGLADETTE, A. Rice drying principles and techniques. Food Agr. Organ. U.N. Land Water Develop. Div. Inform. Working Bull. 23,73 p. [Ref. 1963? 290.9 F732]
- 107430 ASKEW, W. R. The wheat situation; prices lower than last year farmer income almost steady. Agr. Situation [Washington] 48(7):14-15. July 1964. 1 Ec7Ag
- 107431 AUSTIN, A., and NAIR, R. A comparative study of the sedimentation values and protein content of some improved Indian and foreign wheats. Indian J. Agr. Sci. 34(1):15-17. Mar.1964. 22 Ag83J
- 107432 AUSTRALIA, WHEAT BOARD. Annual report season 1962-63. Melbourne, 1963. 46 p. 281.3599 Au72
- 107433 AYAZ, A. A., HASHMI, M. H., and KARIMULLAH. Preparation of sago from maize starch. Sci. Ind. 1(2):94-95. Apr.1963. 475 Sci238
- 107434 BANASIK, O. J. Enzyme formation during barley malting. Brewers Digest 39(8):56-61. Ref. Aug.1964. 390.8 B75
- 107435 BENOIST, C. Communication relative to the past agricultural season. IV. Conditions of production and harvesting for grain during the past season. (Fr) Acad. d'Agr. de France. Compt. Rend. 50(7):626-629. Apr.22/29,1964. 14 P215Bc
- 107436 BLAZAS, H. Production of the Baltic States. (Ge) Agrarpolit. Rundsch. 15:10-12. Mar.1964. 281.8 Ag838  
Grain and meat production.
- 107437 BOULAND, H. D. Selecting the best capacity of truck receiving facilities for country grain elevators. U. S. D. A. Mktg. Res. Rpt. 671,57 p. Ref. July 1964. 1 Ag84Mr
- 107438 BREGLIA, G. Data for the Mansholt Plan. (It) Raccolto 5(5):77-78. May 31,1964. 16 R11  
Grain price unification in the Common Market and Italian production.
- 107439 BROCKWAY, C. E. Efficiency and frequency of grafting of methyl methacrylate to granular corn starch. J. Polymer Sci. Pt. A, Gen. Papers 2(8):3721-3731. Aug.1964. 381 J829P
- 107440 BROCKWAY, C. E. Extractability of homopolymer of methyl methacrylate from its graft copolymers with starch. J. Polymer Sci. Pt. A, Gen. Papers 2(8):3733-3742. Aug.1964. 381 J829P  
Cornstarch.



- 107441 BRYKCYNSKI, M. Testing efficacy of automatic grain sampling equipment. (Pol) Warsaw. Cent. Lab. Technol. Przetworstwa i Przechowalnictwa Zboz. B. Inform. 7(3):41-46. 1963. 298.9 W26  
French and German summaries.
- 107442 CAGLE, A. J. Voluntary wheat program, 1964; wheat program arithmetic, example and guides for Washington summer fallow farms. Wash. State U. Agr. Ext. Mimeo. 2407,7 p. Apr. 1964. 275.29 W27Mi
- 107443 CAGLE, A. J. Voluntary wheat program, 1964; wheat program arithmetic, example and guides for Washington wheat-pea farms. Wash. State U. Agr. Ext. Mimeo. 2408,7 p. Apr. 1964. 275.29 W27Mi
- 107444 CALDERWOOD, D. L., and LOUVIER, F. J. Procedures for increasing drying capacity of commercial rice dryers. Rice J. 67(8):11-15, 18. July 1964. 59.8 R36
- 107445 CALDERWOOD, D. L., and LOUVIER, F. J. Rice drying, storage and handling. Rice J. 67(7):73,76. June 30, 1964. 59.8 R366  
In Texas.
- 107446 CANADA. BOARD OF GRAIN COMMISSIONERS. Annual report for the year 1963. Ottawa, 1964. 74 p. 59.9 C163
- 107447 CHAPON, L. Barley grain endosperm cohesion and malt friability. (Fr) Louvain. U. Assoc. des Anciens Etud. en Brasserie. B. 60(2):49-70. Ref. June 1964. 390.9 L93
- 107448 CHIKUBU, S., ENDO, I., and TANI, T. Studies on cooking and eating qualities of white rice. 2. (Ja) Jap. Soc. Food & Nutr. J. 16(5):47-50. 1964. 389.9 J27  
English summary.
- 107449 CHUN, P. C. Research work on the manufacture of straw pulp. Korea. Hak'sulwon. Nonmunjip. Cha'yon Kwa'hak P'yon 4:147-157. Sept. 1963. 513 K84N
- 107450 CULPIN, C. High-moisture grain storage. Gt. Brit. Min. Agr. Fisheries & Food. Agr. 71 (6):256-259. June 1964. 10 G79J
- 107451 DESJOBERT, A. Phytase activity of wheat germ and bran. (Fr) Aliment. et la Vie 52 (1/3):62-69. 1964. 389.9 SolB
- 107452 DUMA, Z., and REJMAN, M. Testing driers to equalize the drying conditions during determination of grain and grain product moisture. (Pol) Warsaw. Cent. Lab. Technol. Przetworstwa i Przechowalnictwa Zboz. B. Inform. 7(3):49-54. Ref. 1963. 298.9 W26  
French and German summaries.
- 107453 EDELHOFF, H. The dispute over the West German grain price. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(6):242. June 1964. 18 W763
- 107454 EILAND, J. C. Marketing spreads for white bread. U. S. D. A. Econ. Res. Serv. MTS-152:24-30. Feb. 1964. 1.941 M8M34  
Prices.
- 107455 ELLIOTT, B. B. The Canadian malting barley situation. Barley Impr. Conf. Proc., 14th Conf.: 62-65. 1963. 59.9 M583
- 107456 FARNSWORTH, H. C. Determinants of French grain production, past and prospective. Food Res. Inst. Studies 4(3):225-272, map. Ref. 1964. 389.8 F7382  
Role played by prices in determining changes in agriculture and grain production.
- 107457 FEDERACAO NACIONAL DOS PRODUTORES DE TRIGO, LISBOA. Relatorio e contas da gerencia de 1962 [Administration report and accounts for 1962]. Lisboa, 1963. 109 p. 281.3599 F31
- 107458 FINLAYSON, A. J. The compositions of some peptides produced by an enzymic hydrolysis of wheat gliadin. Canad. J. Biochem. 42(8):1133-1140. Ref. Aug. 1964. 470 C16E
- 107459 FULLER, C. E. Grain movements in the South. South. Coop. Ser. B. 91,34 p., map. Mar. 1964. 100 G29So  
Agricultural Experiment Stations of Alabama, Arkansas, Georgia, Louisiana, Mississippi, North Carolina, Tennessee; Tennessee Valley Authority, and U. S. Department of Agriculture, cooperating.  
Rail, water, and truck.
- 107460 GEHRKE, C. W., OH, Y. H., and FREEARK, C. W. Carboxymethylcellulose column chromatographic fractionation and starch gel-urea electrophoretic characterization of soft wheat proteins. Analyt. Biochem. 8(4):434-445. Aug. 1964. 381 An13
- 107461 GERECKE, K. H. Development of milling process without cleaning machine. (Ge) Muhle 101 (30):529-530. July 23, 1964. 298.9 M89
- 107462 GODSTON, J. Many small and large factories grow out of the processing of wheat and flour. Indus. Free China 20(3):18-28. Sept. 1963. 297.8 T99
- 107463 GRAUX, P. Note on the world grain market. (Fr) Pain Franc. (n.s.):18:353-354. Nov./Dec. 1963. 389.8 P16
- 107464 GRIDER, S. The challenge of market development. Rice J. 67(7):43-44, 46-50. June 30, 1964. 59.8 R36
- 107465 GUINET, R. Quality of flour for the '63-'64 season. (Fr) Pain Franc. (n.s.):18:337-339. Nov./Dec. 1963. 389.8 P16
- 107466 GUINET, R. The types of French flours. (Fr) Pain Franc. (n.s.):20:396-400. Mar./Apr. 1964. 389.8 P16
- 107467 HAUSMANN, F. B. On quality with cost-regulated price. (Ge) Raiffeisen-Rundschau 16 (3):101-102. 1964. 284.28 R132  
Wheat.
- 107468 HOBSON, K. Wheat price possibilities in the years ahead; outlook for Washington farms. Wash. State U. Agr. Ext. Mimeo. 2293, 14 p. Apr. 1963. 275.29 W27Mi
- 107469 HOBSON, K. Wheat prices in 1964—how to forecast them; how to insure them. Wash. State U. Agr. Ext. Mimeo. 2332, 2 p. Aug. 1963. 275.29 W27Mi
- 107470 HOGAN, J. T. Rice utilization investigation at southern laboratory. Rice J. 67(7):52, 54, 56-57. June 30, 1964. 59.8 R36
- 107471 HOLOUS, Z. Determination of flour color and the analytical methods. (Cz) Mlynsko-Pekarsky Prumysl. Tech. Skladovani Obili 10(4):166-169. 1964. 389.8 M692
- 107472 HOSHINO, N., and others. Enzymic digestion of cereal proteins. I. (Ja) Jap. Soc. Food & Nutr. J. 16(5):17-22. Ref. 1964. 389.9 J27  
A. Taima, S. Tamura, H. Hara, and A. Kawabata, joint authors.  
English summary.
- 107473 HOUSTON, D. F., FERREL, R. E., and PENCE, J. W. Rice investigations at Western Regional Research Laboratory. Rice J. 67(7):25-26, 28, 30, 32. June 30, 1964. 59.8 R36
- 107474 HOWER, R. K. Some reflections on flour control. Cereal Sci. Today 9(7):314, 316, 321. Sept. 1964. 59.8 C333
- 107475 HURUSAWA, Y., and MIYASHITA, S. Studies on the components of buckwheat. 3. (Ja) Jap. Soc. Food & Nutr. J. 16(6):48-52. 1964. 389.9 J27  
English summary.
- 107476 IGARASHI, O. The polysaccharides in cereals besides starch. (Ch) Jap. Soc. Food & Nutr. J. 16(5):1-13. Ref. 1964. 389.9 J27
- 107477 INDIA. DIRECTORATE OF ECONOMICS AND STATISTICS. All-India final estimate of rice, 1963-64. New Delhi, 1964. 4 p. 269.5 In2Ar
- 107478 INTERNATIONAL WHEAT COUNCIL. Trends in wheat consumption. Internat. Wheat Council. Sec. Paper 4, 138 p., map. 1964. 281.3599 In8S  
Text in English, French, Spanish, and Russian.
- 107479 JACOB, E. H. The official F.A.Q. wheat samples for New South Wales—1963-4 season. Agr. Gaz. N. S. Wales 75(6):1106-1109. June 1964. 23 N472  
Standards.
- 107480 JAKUBOWSKA, J. The precision of grain and grain product moisture determination in the light of the new standards. (Pol) Warsaw. Cent. Lab. Technol. Przetworstwa i Przechowalnictwa Zboz. B. Inform. 7(3):46-48. 1963. 298.9 W26  
French and German summaries.

- 107481 JESSEN, L. Review of the 1963/64 grain market. (Ge) Betriebswirt. Mitt. f. den Wirtbetrater. 119:23-28. July 15, 1964. 281.8 B462 Prices.
- 107482 JOFFE, A., and SMALL, J. G. C. Studies on fat acidity of sound corn by the rapid method. Cereal Chem. 41(4):230-242. Ref. July 1964. 59.8 C33
- 107483 JULIANO, B. O., and others. Some physico-chemical properties of rice in Southeast Asia. Cereal Chem. 41(4):275-286. Ref. July 1964. 59.8 C33  
G. B. Cagampang, L. J. Cruz, and R. G. Santiago, joint authors.
- 107484 KELLEY, J. J. Purification and properties of a salt-soluble protein from wheat flour. Arch. Biochem. & Biophys. 106(1/3):167-172. Ref. July 20, 1964. 381 Ar2
- 107485 KLOOS, G. The relation between protein and anthocyanogen content in barley. (Ge) Brauwissenschaft 17(6):214-215. June 1964. 390.8 B733  
English summary.
- 107486 KOENIG, V. L., and others. The electrophoretic analysis of flour from several varieties of Hard Red Winter wheat grown at several locations. J. Sci. Food & Agr. 15(7):492-497. Ref. July 1964. 382 Sol2  
A. Ogrins, H. B. Trimbo, and B. S. Miller, joint authors.
- 107487 KOLBACH, P., SCHILFARTH, H., and SOMMER, G. The solution and brewing value of malt. (Ge) Monschr. f. Brauerei 17(7):154-160. Ref. July 1964. 390.8 B7323
- 107488 KUNINORI, T., and MATSUMOTO, H. Glutathione in wheat and wheat flour. Cereal Chem. 41(4):252-259. Ref. July 1964. 59.8 C33
- 107489 LAMPMAN, H. H. A report of activities of the Durum Wheat Institute. Macaroni J. 46(4):24, 31. Aug. 1964. 298.8 N46
- 107490 LEOPOLD, R. Quality wheat production in Austria. (Ge) Forderungsdienst 12(5):145-150. May 1964. 19 F75  
Program, including culture.
- 107491 LUCHSINGER, W. W., RICHARDS, A. W., and CHEN, S. C. The mechanism of action of malt  $\beta$ -glucanases. V-VI. Arch. Biochem. & Biophys. 106(1/3):65-77. Ref. July 20, 1964. 381 Ar2
- 107492 MCEWAN, L. V. The displacement of oats by barley in Scotland. Scot. Dep. Agr. Fish. Scot. Agr. Econ. 14:251-255. 1964. 281.9 Sco3S  
Acreage.
- 107493 MCNEAL, D. Changes in the milling industry and grain trade. Cereal Sci. Today 9(7):317-318. Sept. 1964. 59.8 C333
- 107494 MADALUNI, A. L., and SAPONARO, A. Further contribution to the knowledge of the microflora of stored grain. (It) Rome. Sta. di Patol. Veg. B. 21(1):57-68. Ref. 1963. 464.9 R662
- 107495 MAMARIL, F. P., POMERANZ, Y., and SHLENNBERGER, J. A. Contribution of  $\alpha$ - and  $\beta$ -amylases to the production of sugars fermentable in panary fermentation. J. Sci. Food & Agr. 15(6):385-389. Ref. June 1964. 382 Sol2
- 107496 MAURITIUS. GRANARY DEPT. Annual report for the financial year 1962-63. n.p., 1964. 7 p 284.29 M442
- 107497 MORI, H. Studies on phytin. 1. (Ja) Jap. Soc. Food & Nutr. J. 16(5):82-85. 1964. 389.9 J27  
English summary.  
In cereals.
- 107498 MUHLEN-und Mischfutterkalender, 1964, 75. Jahrgang [Milling and mixed feed calendar, 1964, 75th year]. Detmold, Verlag Mortiz Schafer, 1963. 240 p. 298.8 M894
- 107499 NATIONAL ASSOCIATION OF WHEAT GROWERS. Proceedings of the 14th annual meeting, January 7-10, 1964, Amarillo, Texas. n.p., 1964. 55 p. 59.9 N219P
- 107500 NEBRASKA WHEAT COMMISSION. Telling the story of Nebraska's growing gold [The 1963 annual report]. Lincoln, 1963. 12 p., map. 59.9 N274A
- 107501 NIKONOV, A. Production of grain in the Stavropol'e Region. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:60-65. 1964. 20 M57  
Yields, and costs and returns.
- 107502 NORRIS, K. H. Reports on design and development of a new moisture meter. Agr. Engin. 45(7):370-372. July 1964. 58.8 Ag83  
For grain.
- 107503 NURET, H., and WILLM, C. Diagram studies. (Fr) Paris. Ecole Franc. de Meun. B. des Anciens Eleves 201:125-129. May/June 1964. 298.9 P21
- 107504 OKAMOTO, J. Regional development of rice cultivation in Hokkaido. Tohoku U. Facul. Sci. Sci. Rpt. Ser. 7 (Geog.) 13:165-181, map. Mar. 1964. 513 T574G
- 107505 OLSON, W. J. Protein content in malting barley effect on quality. Barley Impr. Conf. Proc., 14th Conf.:19-26. 1963. 59.9 M583
- 107506 OSEL, W. New round in the E.E.C. grain price. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(26):950,952. June 25, 1964. 18 N39
- 107507 PAI, M. R. The food problem—what is the solution? Planting & Com. 11(33):5-6,8-10. June 1964. 22 P697  
Grain shortage in India.
- 107508 PEPLINSKI, A. J., STRINGFELLOW, A. C., and GRIFFIN, E. L. Air classification of Indiana Ohio and Michigan soft wheat flours. Nowest. Miller 271(2):10-12. Ref. July 20, 1964. 298.8 N81
- 107509 PETERSEN, L. Wheat farmers challenged again. Wash. News Beat 11(1):5-7. Jan./Feb. 1964. 281.8 L95  
Wheat certificate program.
- 107510 PFEUFFER, I. F. Hidden sources of damage in grain storage. (Ge) Muhle 101(31):542-543. July 30, 1964. 298.8 M89  
Moisture problems.
- 107511 PREECE, I. A., and BHUIYAN, M. A. M. Enzymic degradation of cereal hemicelluloses. V. Inst. Brewing. J. 70(4):321-328. July/Aug. 1964. 390.9 In7  
Barley.
- 107512 PRUGAR, J. The results and future of cereal chemistry research in Czechoslovakia. (Cz) Mlynsko-Pekarensky Prumysl. Tech. Skladovani Obili 10(4):154-158. 1964. 389.8 M692
- 107513 RAO, S. N. R., and DESIKACHAR, H. S. R. Note on the comparative swelling characteristics of polished and unpolished wheat and rice during cooking. Cereal Chem. 41(4):316-319. July 1964. 59.8 C33
- 107514 REINER, L. The determination of further analytical indices for the evaluation of brewing quality in barley breeding material using specialised micromalting procedures. 2. (Ge) Brauwissenschaft 17(6):215-222. Ref. June 1964. 390.8 B733  
English summary.
- 107515 ROTH, E., and others. The falling number method in the limelight. (Sw) Lantmannen 75(9):219-221. Feb. 29, 1964. 11 L234  
H. Perten, R. Olered, and F. Fajersson, joint authors.  
For flour testing.
- 107516 ROTH, L., and WEINER, J. Papermaking materials. I. Cereal straws. Appleton (Wis.) Inst. Paper Chem. Bibliog. Ser. 171(sup.I), 200 p. 1963. 241.4 Ap5
- 107517 SANCHETI, D. C. Productivity of principal cereals in dry area of Rajasthan. Indian J. Agr. Econ. 19(1):202-207. Jan./Mar. 1964. 281.8 In2
- 107518 SCHILLER, G. W., and GILLIS, J. A. Laboratory studies of flour for continuous mix bread production. Cereal Sci. Today 9(7):256,259-263. Sept. 1964. 59.8 C333
- 107519 SCHMIEDER, W. Grain drying by contact heating. (Ge) Muhle 101(30):527-528. July 23, 1964. 298.8 M89
- 107520 SCHOOF, A. Various procedures for grain drying on large socialist farms in the Magdeburg district. (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(6):269-271. June 1964. 18 W763



- 107521 SCHROEDER, H. W. Sodium propionate and infrared drying for control of fungi infecting rough rice (*Oryza sativa*). *Phytopathology* 54 (7):858-862. Ref. July 1964. 464.8 P56
- 107522 SCHWEIGART, F., and RICKERT, E. The processing of corn with roller driers. (Af) *Food Indus. So. Africa* 17(2):29,31,33,35. June 1964. 389.8 F7372
- 107523 SHMONIN, I. Proper determination of the structure of grain cultures. (Rus) *Ekon. Sel'sk. Khoz.* 4:83-90. Apr. 1964. 281.8 So73 Includes acreage.
- 107524 SHRIKHANDE, J. G. Killer fungi that lurk in grains and feeds. *Indian Farming* 14(2):18-19. May 1964. 22 In283  
Food poisoning in man and mycotoxicosis in farm animals.
- 107525 STEINKE, R. D., and PAULSON, M. C. The production of steam-volatile phenols during the cooling and alcoholic fermentation of grain. *J. Agr. & Food Chem.* 12(4):381-387. Ref. July/Aug. 1964. 381 J8223
- 107526 TAIRA, H., and others. Studies on amino acid contents in food crops. 5-6. (Ja) *Jap. Soc. Food & Nutr. J.* 16(5):86-92. Ref. 1964. 389.9 J27  
N. Hoshino, H. Taira, and K. Sugimura, joint authors.  
English summary.  
In rice.
- 107527 TALWAR, K. K., and BATHEJA, M. N. Easy bleaching pulp from rice straw. *Indian Pulp & Paper* 18(12):691-692,698. June 1964. 302.8 In23
- 107528 TANI, T., CHIKUBU, S., and IWASAKI, T. Changes of chemical qualities in husked rice during low temperature storage. 1. (Ja) *Jap. Soc. Food & Nutr. J.* 16(5):76-81. Ref. 1964. 389.9 J27  
English summary.
- 107529 TIMM, E., and NERNST, C. The quality of the domestic bread grain of the 1963 harvest. (Ge) *Deut. Muller-Ztg.* 62(14):347-349. July 16, 1964. 298.8 Su2
- 107530 TRACEY, M. V. A counterblast to Meredith. *Cereal Sci. Today* 9(7):320-321. Sept. 1964. 59.8 C333  
Comment on P. Meredith's article on gluten structure.
- 107531 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. 1963 wheat stabilization program, statistical summary. Washington, 1964. 20 p., map. A281.3599 St1
- 107532 VALE, R. Transport; the role of the weigh-bridge. *Agr. Merchant* 44(7):70-71,73,75. July 1964. 10 Ag89  
Measuring grain weight.
- 107533 VENEZUELA. DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Estadísticas agroecómicas continuas; beneficio de arroz, 1963 [Continuous agricultural economic statistics; rice processing, 1963]. Caracas, 1964. 40 p. (EEA-64-032) 255.9 V55Est
- 107534 WASHINGTON, STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: wheat. Wash. State U. Agr. Ext. Ext. Mimeo. 2357,2 p. Nov. 1963. 275.29 W27Mi
- 107535 WILSON, J. T., DONELSON, D. H., and SIPES, C. R. Mechanism of improver action in cake flours. I. The relation between flour specific surface and chlorine distribution. *Cereal Chem.* 41(4):260-274. July 1964. 59.8 C33
- 107536 WOOD, G. The marketing of cereals. *Agr. Merchant* 44(6):55,58-60,62-63,65. June 1964. 10 Ag89
- 107537 WORKING, E. J. What about the 1964 wheat program; implications for Washington. Wash. State U. Agr. Ext. Ext. Mimeo. 2273,8 p. Apr. 1963. 275.29 W27Mi
- 107538 WU, C. Y. An analysis of rice production and marketing. (Ch) *Co-op. Q.* 1(3):50-56,20. Oct. 1, 1963. 280.28 Q2
- 107539 YASUMATSU, K., MORITAKA, S., and KAKINUMA, T. Effect of the change during storage in lipid composition of rice on its amylogram. *Agr. & Biol. Chem.* 28(5):265-272. May 1964. 385 Ag8B
- 107540 YASUMATSU, K., and MORITAKA, S. Fatty acid compositions of rice lipid and their changes during storage. *Agr. & Biol. Chem.* 28(5):257-264. May 1964. 385 Ag8B
- 107541 YASUNAGA, T., and UEMURA, M. Factors affecting the difference in qualitative characteristics of dough obtained from various wheat flours. 1. The significance of sulfhydryl groups in Japanese domestic wheat flour on their dough strength. (Ja) *Tokyo. Food Res. Inst. Rpt.* 18:88-93. Mar. 1964. 389.9 T57  
English summary.

## HONEY AND BEESWAX

- 107542 CUTTS, N. A. A simple way to reclaim beeswax. *Agr. Gaz. N. S. Wales* 75(4):943-945. Apr. 1964. 23 N472
- 107543 DADANT, M. G. World-wide production of honey for the year 1963. *Amer. Bee J.* 104(8):288-289. Aug. 1964. 424.8 Am3
- 107544 DEMIANOWICZ, Z. Some features of one species honey obtained from 6 genera of Labiatae family. (Pol) *Pszczelnicze Zeszyty Nauk.* 6(2):75-80. Oct. 1962. 424.8 P954  
English summary.  
Chiefly pollen content.
- 107545 GOUGET, C. W. People are our markets. *Gleanings Bee Cult.* 92(8):466-467,504. Aug. 1964. 424.8 G47  
Advertising honey.
- 107546 GRACE, H. M. Display honey around poster. *Gleanings Bee Cult.* 92(8):476. Aug. 1964. 424.8 G47
- 107547 RYCHLIK, M., and FEDOROWSKA, Z. A new method of direct determination of dextrans in honey. (Pol) *Pszczelnicze Zeszyty Nauk.* 6(2):65-74. Oct. 1962. 424.8 P954  
German summary.
- 107548 SAVOV, D. Duration of the effect of certain antibiotics in the honey stocks of bee families. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Vet. Inst. Zarazni Parazitni Bolesti. Izv.* 6:181-186. 1962. 41.9 So2  
English summary.
- 107549 STEPHEN, B. Blue ribbon exhibits. *Gleanings Bee Cult.* 92(8):461-463,506. Aug. 1964. 424.8 G47
- 107550 TOWNSEND, G. F. Preparation of honey for the market. (It) *Apic d'Italia* 30(11/12):179-198. Nov./Dec. 1963. 424.8 Ap372
- 107551 WHITE, J. W., and SUBERS, M. H. Studies on honey inhibine. 2. A chemical assay. *J. Apic. Res.* 2(2):93-100. Ref. 1963. 424.8 J82
- 107552 ZALEWSKI, W. Comparison of methods for determining dry substance, carbohydrates and  $\alpha$ -amylase activity in honey. (Pol) *Pszczelnicze Zeszyty Nauk.* 6(3):121-133. Ref. Dec. 1962. 434.8 P954  
English summary.

## LIVESTOCK AND LIVESTOCK PRODUCTS

- 107553 ANDREWS, F. N. Achieving our targets through research. *Natl. Inst. Anim. Agr. Proc.*, 13th Conf.:15-21. 1963. 49.9 N219  
Research programs.
- 107554 BAILEY, F. The cattle crisis: fact and fiction. *Banking* 57(2):80-81,85,102. Aug. 1964. 284.8 Am3
- 107555 BANQUE DE BRUXELLES. La viande de porc, produit a base de cereales [Pork, grain-based product]. *Banque Bruxelles. Bull. Agr.* 25,7 p. Feb. 1964. 281.9 B83  
Belgian policy in relation to the Common Market.
- 107556 BATES, Q. R. Argentine beef production: record home prices as herds are built up. *New Zeal. Meat Prod.* 8(9):20. June 1, 1964. 50.8 N48
- 107557 BELL, J. M. Livestock production at the cross-roads. *Saskatchewan. U. Farm & Home Week. Addresses & Proc.* 1964:79-80,82,84,86-88. 101 Sa72

- 107558 BISHOP, D. R. Meat production and trade. U. S. D. A. Ybk. Agr. 1964:146-155. 1 Ag84Y International.
- 107559 BLASEJ, A. Research in the field of collagen in Czechoslovakia. (Fr) Assoc. France. des Ingen. Chim. et Tech. des Indus. du Cuir. B. Doc. et Inform. 26(1):13-19. Jan.1964. 303.8 B87
- 107560 CUNHA, T. J., and others. Big challenges in '64. Livestock Breeder J. 7(7):49,53-54,62,66-68. July 1964. 49 L758  
Beef cattle situation in Eastern and South-eastern States.
- 107561 CUNHA, T. J. Program at U of F [University of Florida] geared for changes. Fla. Cattleman & Livestock J. 28(11):60,62-63. Aug. 1964. 43.8 F66
- 107562 DALRYMPLE, J. A. Observations on the European livestock industry. Ontario. Dep. Agr. Ext. Br. Annu. Conf. 1963:36-38. 7 On82
- 107563 DEGRAFF, H. Animal agriculture—gains and roadblocks. Natl. Inst. Anim. Agr. Proc., 13th Conf.:71-79. 1963. 49.9 N219  
Especially quality and cost of meat and other livestock products.
- 107564 FUR AGE WEEKLY. Classified fur source directory, 1964-1965 edition. New York, 1964. 240 p. 225 F964
- 107565 GALAMINI, L. The conditions for strengthening the livestock sector. (It) Rass. dell'Agr. Ital. 19(4):25-26. Apr.1964. 281.8 R18
- 107566 GROSS, R. Professional discretion according to §24 of the Livestock and Meat Law. (Ge) Schlacht- u. Viehhof-Ztg. 64(1):22. Jan.1964. 286.85 D48
- 107567 HANNAWALD, E. B. June-November pig crop to be down 7 percent. Agr. Situation [Washington] 48(7):12-13. July 1964. 1 Ec7Ag
- 107568 HODGSON, R. E., and BAYLEY, N. D. Problems in animal husbandry. U. S. D. A. Ybk. Agr. 1964:564-567. 1 Ag84Y  
Improving industry in developing areas.
- 107569 LIMBURG, L. What is meat and what meat products in the legal sense? (Du) Keurmeester 55(6):109-111. June 1964. 50.8 K51
- 107570 MAHREN, G. L. Cattlemen, competition, and the USDA; address at annual meeting of Colorado Cattle Feeders Association, Denver, Colorado, Feb., 1964. Washington, U. S. D. A., Off. Sec., 1964. 16 p. A280.39 M472
- 107571 MARSH, B. B. Report on two conferences in Australia, August, 1963. Meat Ind. Res. Inst. New Zeal. M.I.R.I.N.Z. 78,16 p. Sept.1963. 50.9 M462  
Technical Conference on Carcase Composition and Appraisal in Meat Animals and Meat Research Conference; includes a paper by the author entitled: Meat Quality and Rigor Mortis.
- 107572 MONTGOMERY, G. A. Feeder cattle roundup. Feedlot 6(9):12-13,86-87. Sept.1964. 43.8 F32
- 107573 MUZHITSKI, A. M. Development of animal husbandry in the Poltava area in 1964-1965. (Rus) Zhivotnovodstvo 3:3-8. Ref. Mar.1964. 49 Z6
- 107574 NATIONAL INSTITUTE OF ANIMAL AGRICULTURE. Thirteenth Institute—proceedings, Purdue University Lafayette, Indiana, April 7-9, 1963. Lafayette, 1963. 112 p. 49.9 N219  
Program: The dynamics of animal agriculture.
- 107575 NATIONAL LIVE STOCK AND MEAT BOARD. Meat in the crowded market; 41st annual report. Chicago, 1964. 32 p. 50.9 N21
- 107576 NEUSCHL, K. 1963 results of the Hungarian meat industry. II. (Hu) Husipar 13(3):120-125. May/June 1964. 50.8 H95  
English summary.
- 107577 OCHOA Y OCHOA, O. Present panorama of the livestock industry in Mexico. (Sp) Mex. Agr. 10(120):20-24. Feb.1964. 8 M5762  
Interviewed by C. de Negri.
- 107578 PAARLBERG, D. Animal agriculture and big government. Natl. Inst. Anim. Agr. Proc., 13th Conf.:39-47. 1963. 49.9 N219  
Production and pricing.
- 107579 PANEL discussion: Role of the university in serving animal agriculture. Natl. Inst. Anim. Agr. Proc., 13th Conf.:48-70. 1963. 49.9 N219  
Panel members: W. P. Garrigus, T. C. Byerly, and R. C. Kramer.  
Teaching, research and extension.
- 107580 PARKER, E. M. Time to put more acres to work! Livestock Breeder J. 7(7):125. July 1964. 49 L758  
Beef production in Southeastern States.
- 107581 PELLICONI, A. Beef supply in Italy. (It) Nuovo Prog. Vet. 19(12):522-523. June 30, 1964. 41.8 P942
- 107582 PURCELL, J. C. What does livestock offer for the Southeast? Livestock Breeder J. 7(7):209-210,212,214,216. July 1964. 49 L758
- 107583 RAITHBY, G. E. Swine improvement in Ontario. Ontario. Dep. Agr. Ext. Br. Rep. Annu. Conf. 1963:16-19. 7 On82  
Industry.
- 107584 RODON, J. M. Leathers from cattle and sheep. (Sp) Cult. Mod. 47(1):11-12. Jan.1964. 15 C89
- 107585 RONCHI, V. The development of cattle resources. (It) Agricoltura 13(2):25-39. Feb. 1964. 16 Ag8226
- 107586 ROSKILDE. SLAGTERIERNES FORSKNINGS-INSTITUT. Annual report, 1963. Denmark, 1964. 30 p. 1964. 50.9 R73
- 107587 SCARPA, G. Problems of developing the livestock resources in the Venetian provinces. (It) Ricerche Econ. 18(1):119-134. Mar.1964. 280.9 V553  
Includes statistics.
- 107588 SHNITSER, S. S. Rezervy rosta proizvoditel'nosti truda v myasnoi promyshlennosti [Means of the increase of labor productivity in meat industry]. Moskva, Pishchepromizdat, 1963. 194 p. 50 Sh63
- 107589 SYMPOSIUM INTERNATIONAL SUR LE COLLAGENE, VELKE-KARLOVICE, 1963. Report. (Fr) Assoc. Franc. des Ingen. Chim. et Tech. des Indus. du Cuir. B. Doc. et Inform. 26(1):1-19. Jan.1964. 303.8 B87  
Includes summaries of communications.
- 107590 UVACEK, E. The dynamically changing industry. Cattleman 51(3):40-41. Aug.1964. 49 C29  
Beef industry in Texas.
- 107591 WITT, M. Aufrechterhaltung der Nahrungsproduktion in Europa—eine verpflichtende Aufgabe der westlichen Industrie-gesellschaft [Support of food production in Europe—and obligating task of the western industrial community]. Max-Planck-Inst. f. Tierzucht u. Tierernähr. Schreibe. 19,35 p.,map. Ref. 1964. 49.9 M45  
Livestock production policies in relation to world supply of food.
- 107592 YANG, C. T. Generating a great reform in livestock production. U. S. Joint Publications Res. Serv. Econ. Rep. N. Korea 108:1-4. Jan.16,1964. 173 J663Er  
Translation from Kulloja 18:35-40. Sept.20, 1963.

#### Analysis and Composition

- 107593 ALLEN, E., and BRAY, R. W. Physical and chemical lipid determinations in barrow and gilt carcasses. J. Anim. Sci. 23(3):656-660. Ref. Aug.1964. 49 J82
- 107594 BARTELS, H., and GERIGK, K. Quick determination of moisture and fat content. (Ge) Allg. Fleischer Ztg. 80(83):3. July 11/12,1964. 286.85 AL5  
Sausages.
- 107595 BOWMAN, G. H. Estimation of the lean content of swine and beef cattle. Canad. Soc. Anim. Prod. Proc. 1963:144-149. 49.9 Ea72
- 107596 CANTONI, C. Research on the microbial flora of "bresaola" salami. (It) Arch. Vet. Ital. 15(2):81-92. Ref. Apr.30,1964. 41.8 Ar25  
English summary.



- 107597 CANTONI, C., and MASSACRA, G. Studies on the morphological variations and on the capsular composition of some germs isolated from "bresola" salami. (It) Arch. Vet. Ital. 15(2): 93-100. Ref. Apr.30,1964. 41.8 Ar25  
English summary.
- 107598 CUMONT, G. Analysis of lard by ultraviolet absorption spectrophotometry and gas phase chromatography. (Fr) RTVA 18:33-36. May/June 1964. 50.8 R332
- 107599 DAVIS, J. K., and others. Use of ultrasonics and visual appraisal to estimate total muscling in beef cattle. J. Anim. Sci. 23(3):638-644. Ref. Aug.1964. 49 J82  
R. A. Long, R. L. Saffle, E. P. Warren, and J. L. Carmon, joint authors.
- 107600 INCZE, K. Heat resistance of *Aerococcus viridans* (Williams). Acta Microbiol. 10(3):199-205. Ref. 1963. 448.3 Ac84  
Causal agent for discoloration of meat.
- 107601 LANGLOIS, B. E., STEMP, A. R., and LISKA, B. J. Analysis of animal food products for chlorinated insecticide residues. I. Column clean-up of samples for electron capture gas chromatographic analysis. J. Milk & Food Technol. 27(7):202-204. July 1964. 44.8 J824
- 107602 LANGPAP, A. A contribution to the problem of pH value in the muscles of swine slaughtered after transportation. (Ge) Schlacht- u. Viehhof-Ztg. 64(1):8-9. Jan.1964. 286.85 D48
- 107603 MARCHISIO, M., and CANNAVO, F. Serum precipitation reaction in the identification of "scalded" and "boiled" tripe. (It) Nuovo Prog. Vet. 19(9):394,396,398. May 15,1964. 41.8 P942
- 107604 MASSACRA, G. Research on the chemical composition of "bresola" salami. (It) Arch. Vet. Ital. 15(2):101-105. Ref. Apr.30,1964. 41.8 Ar25  
English summary.
- 107605 MICHALSKA, I. Pregermination of the *B. subtilis* spores on the meat stored in different conditions. Acta Microbiol. Polon. 12(4):341-351. Ref. 1963. 448.3 Ac82
- 107606 PASCUCCI, E., and PAOLINI, F. Research on foreign fatty substances present in lard and in refined pork fats. II. (It) Riv. Ital. delle Sostanze Grasse 41(6):315-320. June 1964. 307.8 OL3  
English summary.
- 107607 PILARCZUK, A. Sklad tusz tucznikow pulawskich przy roznych ciezarach ubojowych [Carcass composition of Pulawy breed hogs in relation to slaughter weight. Krakow, Inst. Zootech. Wydawnictwa Wlasne 164,48 p. Ref. 1963. 49.9 K85W  
English summary.
- 107608 RAJAGOPAL, N. S., and ACHAYA, K. T. Fatty acids, including polyenoic and trans components, and glycerides of Indian goat tallow. J. Sci. Food & Agr. 15(7):497-503. Ref. July 1964. 382 So12
- 107609 ZELLER, H. *Proteus* in meat—surface infection or septicemia? (Ge) Arch. f. Lebens-mittelhyg. 15(6):123-125. June 20,1964. 41.8 L49
- Consumption and Utilization
- 107610 CAMERON, L. R. Veal; its place in the meat industry. Canad. Soc. Anim. Prod. Proc. 1963: 137-144. 49.9 Ea72  
Chiefly consumption.
- 107611 WEILER, E. T. The American consumer—a growth story. Natl. Inst. Anim. Agr. Proc., 13th Conf.:106-112. 1963. 49.9 N219  
Consumer education.
- Distribution, Marketing, and Transportation
- 107612 ALBERTA LIVESTOCK CO-OPERATIVE. 24th annual meeting July 8 & 9, 1964. Edmonton, 1964. 42 p. 280.2409 AL1  
Library has also 23d report for 1963.
- 107613 ARCHBOLD, L., and SHIPMAN, J. A. Manage your meat money. Wis. Agr. Col. Ext. Spec. C. 88,6 p.-folder. May 1964. 275.29 W75S
- 107614 ARTIOLI, D. Sanitary inspection of meat and the technical and legal aspects. (It) Nuovo Prog. Vet. 19(13):562-564,567-570,572. July 15,1964. 41.8 P942
- 107615 BREWER, J. A. Retailing meets the challenge. Natl. Inst. Anim. Agr. Proc., 13th Conf.:86-91. 1963. 49.9 N219  
Meat marketing.
- 107616 CHURCH, J. Market summary and outlook. Canad. Cattleman 27(8):30. Aug. 1964. 49 C16  
Canada.
- 107617 COPPI, R. More on the transportation of fresh meat according to the standards of Art. 40, Regulation No. 3298 of 1928. (It) Nuovo Prog. Vet. 19(12):550. June 30,1964. 41.8 P942
- 107618 EARLE, R. L. The use of carbon dioxide for the cooling of railway wagons. Meat Ind. Res. Inst. New Zeal. M.I.R.I.N.Z. 73,18 p. Aug.1963. 50.9 M462  
Meat transportation.
- 107619 KHAN, A. M. Cattle marketing in Lyallpur district. Agr. Pakistan 14(4):443-461. Dec. 1963. 22 Ag832
- 107620 KOCH, W. Cooperative livestock marketing. (Ge) Landwirt. Genossenschaftsfragen. 11:75-79. 1963. 280.28 L232  
Austria.
- 107621 LESAGE, M. Marketing meets the challenge. Natl. Inst. Anim. Agr. Proc., 13th Conf.:80-82. 1963. 49.9 N219  
Livestock marketing.
- 107622 MCCAW, J. T. Advice on buying and selling of livestock. Massey Agr. Col. Sheepfarming Annu. 1963:63-73. 45.9 M38S
- 107623 MCEWAN, L. V., and MACKENZIE, A. M. Marketings and prices of store lambs in Scotland. Scot. Dep. Agr. Fish. Scot. Agr. Econ. 14:215-222. 1964. 281.9 Sco3S
- 107624 MCPHERSON, W. K. The future will bring changes in cattle marketing. Fla. Cattleman & Livestock J. 28(11):32. Aug.1964. 43.8 F66  
Florida.
- 107625 PANEL discussion: How marketing, packing, retailing meet the challenge. Natl. Inst. Anim. Agr. Proc., 13th Conf.:92-105. 1963. 49.9 N219  
Moderator: J. C. Bottom; panel members: M. LeSage, C. B. Cox, and J. A. Brewer.  
Meat.
- 107626 PUEYRREDON, E. M. The immediate form of increasing the supply of meat for consumers without affecting exports; organization of the meat market. (Sp) Soc. Rur. Argentina. An. 98 (6):19. June 1964. 9 Sol
- 107627 RECORD STOCKMAN. 1964 livestock buyers' guide and catalog. n. p., 1964. 448 p., map. 286.85 D43
- 107628 SAMARAN, L. The public slaughterhouse/meat market. (Fr) RTVA 18:24-25. May/June 1964. 50.8 R322
- 107629 SOUTH DAKOTA. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. EXTENSION SERV. Beef marketing costs and margins. S. Dak. State Col. Agr. Ext. F.S. 209,6 p.-folder. July 1964. 275.29 So85Fs
- 107630 SVERIGES SLAKTERIFORBUND. Arsredovisning [Annual report], 1963. Stockholm, 1964. 63 p. 50.9 Sv2  
Meat marketing.
- 107631 THIEULIN, G. Schemes favorable to meat marketing. (Fr) RTVA 3(13):30-32. July/Aug. 1963. 50.8 R322
- 107632 THOMPSON, J. W. Recent changes in hide marketings. U. S. D. A. Econ. Res. Serv. LMS-138:34-37. July 1964. 1.941 S8L752
- 107633 TUCKER, G. Auction markets fill a vital need for cowmen. Fla. Cattleman & Livestock J. 28 (11):28. Aug.1964. 43.8 F66
- 107634 TYRRELL, W. P. South develops "repeat" buyers. Feedlot 6(9):36. Sept.1964. 43.8 F32  
Beef cattle.

- 107635 UVACEK, E. Futures market on cattle? Sheep & Goat Raiser 44(11):13. Aug. 1964. 45.8 Sh3
- 107636 VILSTRUP, R. "Pooled" cattle attract more feeder cattle buyers. Feedlot 6(8):28-29. Aug. 1964. 43.8 F32  
Cooperative cattle sales in Wisconsin.
- 107637 WILLIAMS, H. L. Pilot Federal-State program may lead to new phase in administering P&S [Packers and Stockyards Act]. Amer. Cattle Prod. 46(4):14-15. Sept. 1964. 49 P94

#### Grading, Inspection, Standardization, and Quality

- 107638 ABDURASHITOV, A. A. Characteristics of hides of young cattle of the Bushuev, Swiss Brown and hybrids of Black-Pied and Zebu breeds: (Rus) Uz. Nauch.-Issled. Inst. Zhi-votn. Tr. 7:75-83. Ref. 1962. 49.9 Uz12T  
Chiefly weight and measurement.
- 107639 AKHMEDOV, A. M., DUSTOVA, R. T., and BELOV, E. M. Sanitary evaluation of slaughter products of Karakul lambs. (Rus) Veterinariya 4:89-91. Apr. 1964. 41.8 V6426
- 107640 ANDERSON, J. Beef quality. Kenya Farmer 94:6-7. Apr. 1964. 24 R812
- 107641 DANBARA, H., MITSUHASHI, T., and NOZAKI, H. Distribution of strontium-90 and cesium-137 concentration in beef. (Ja) Jap. Soc. Food & Nutr. J. 16(6):9-11. 1964. 389.9 J27  
English summary.
- 107642 FORMISANO, M. A quadriennium of research on "red heat" of salted cattle hides. (It) Italy. Staz. Sper. per l'Indus. delle Pelli e delle Mater. Concianti. B. 40(3):171-191. (Cont.) Ref. June 1964. 303.8 It1
- 107643 GALLAGHER, R. M. The modern concept of quality beef. Ruakura Farmers' Conf. Week. Proc. 1963:40-52. 49.9 R82  
Includes discussion.
- 107644 HORNSTEIN, I., and CROWE, P. F. Meat flavor—a review. J. Gas Chromatogr. 2(4):128-131. Ref. Apr. 1964. 381 J8225
- 107645 HURST, K. Who is the policing authority under the meat inspection law? (Ge) Schlacht- u. Viehhof-Ztg. 64(1):17-18, 20-22. Jan. 1964. 286.85 D48
- 107646 KOTTER, L. The coordination of food regulation in the meat sector of the European Economic Community. (Ge) Allg. Fleischer Ztg. 80 (79):7-9. July 1, 1964. 286.85 AL5
- 107647 PELLEGRINI, D., and MATTIOLI, A. Meat inspection and prevention of hydatidosis. (It) Nuovo Prog. Vet. 19(11):472, 475-476. June 15, 1964. 41.8 P942
- 107648 SVOBODA, J. Spoilage of cold canned marinade and its evaluation. (Cz) Veterinarstvi 14(6): 276-277. June 1964. 41.8 V6439
- 107649 SYMPOSIUM: Methods of influencing carcass quality. Canad. Soc. Anim. Prod. Proc. 1963: 23-72. Ref. 49.9 Ea72  
Technical aspects of beef evaluation by R. B. Church; Grading standards, by G. L. Locking; Factors affecting carcass quality of beef cattle, by C. M. Williams; Factors affecting grade of market hogs, by H. B. Geurin; Carcass quality of Canadian swine, by J. P. Bowland.  
Includes effects of feeding and breeding of swine.
- 107650 SYMPOSIUM: What's new in meat and poultry inspection? Amer. Vet. Med. Ass. Sci. Proc., 100th Annu. Mtg.:234-250. Ref. 1963. 41.9 Un3  
Papers: 1, State meat inspection services, by W. B. Jennings; 2, Condemnations in meat inspection—past and present, by E. A. Murphy; 3, Biologic residues in meat from chemicals and drugs, by K. E. Taylor; 4, Considerations involved in the appearance of excessive residues of insecticides and of residual effects of pesticides used in food animals, by R. D. Radeleff.

#### Packing and Packaging

- 107651 COX, C. B. Packing meets the challenge. Natl. Inst. Anim. Agr. Proc., 13th Conf.:83-85. 1963. 49.9 N219  
Meat.

#### Prices, Price Control, and Rationing

- 107652 ADAMS, A., and others. Has your selling program changed? Cattlemen tell how price cycle affects marketing. Fla. Cattleman & Livestock J. 28(11):42, 68. Aug. 1964. 43.8 F66
- 107653 GILES, H. C. Low cattle price level due to increased supplies. Fla. Cattleman & Livestock J. 28(11):40. Aug. 1964. 43.8 F66  
Florida.
- 107654 HACKLANDER, D. Marketing spreads for beef and pork. U. S. D. A. Econ. Res. Serv. MTS-152:17-19. Feb. 1964. 1.941 M8M34  
Prices.
- 107655 LANDBOUW-ECONOMISCH INSTITUUT. Statistiek van de marktprijzen: rundvee, varkens, paarden, wolven, 1963 [Statistics of market prices: cattle, swine, horses, sheep 1963]. Landb.-Econ. Inst. Verslagen 84, 38 p. 1963. 281.9 L23V
- 107656 MARLOWE, T. J. Influence of various factors on the sale price of purebred Hereford calves in southwest Virginia. Va. J. Sci. (n.s.) 15(3): 168-172. July 1964. 470 V81
- 107657 PANEK, J. Orientation price is no guaranteed price; the most important tasks of the EEC market regulation "Beef." (Ge) Raiffeisen-Rundschau 16(3):109-110. 1964. 284.28 R132
- 107658 RHODES, G. Prices slump—fed steers, heifers and calves at lowest level in seven years. Fla. Cattleman & Livestock J. 28(11):36, 38. Aug. 1964. 43.8 F66  
Florida.

#### Processing and Storage

- 107659 AMERICAN MEAT INSTITUTE. DEPT. OF MARKETING. Financial facts about the meat packing industry 1963. Chicago, 1964. 21 p. 50.9 Am323  
Statistical.
- 107660 ASSOCIAZIONE ITALIANA DEI CHIMICI DEL CUOIO. Lubrication of skins to be plate dried. (It) Italy. Staz. Sper. per l'Indus. delle Pelli e delle Mater. Concianti. B. 40(3):192-212. June 1964. 303.8 It1  
Symposium.
- 107661 BAILEY, A. J., RHODES, D. N., and CATER, C. W. Irradiation-induced crosslinking of collagen. Radiation Res. 22(4):606-621. Ref. Aug. 1964. 334.8 R11
- 107662 BECK, E., and SCHNEIDER, W. Hints for plant sanitation action. (Ge) Fleischermeister 18(5): 123-125. May 1964. 50.8 F622
- 107663 BERGMANN, G., and STABEN, P. The influence of flaming with the propane gas burner on the surface bacteria of swine after slaughtering. (Ge) Schlacht- u. Viehhof-Ztg. 64(1): 3-8. Jan. 1964. 286.85 D48  
Text also in French.
- 107664 BLANCHER, J., and EFFRONT, Y. Enzymatic dehairing of skins for glove making. (Fr) Rev. Tech. des Indus. du Cuir 56(7):238, 240, 242. July 1964. 303.8 C89
- 107665 BRAMMALL, N. Realistic grosses can be salvation of profit; no gross, no chance of profit. Natl. Provisioner 151(2):40-45. July 11, 1964. 286.85 N21  
Meat packing.
- 107666 BURRIDGE, G. J. The location of meat freezing works in New Zealand. New Zeal. Geog. 20 (1):43-59, map. Apr. 1964. 331.8 N48
- 107667 GIOLITTI, G. Fresh, refrigerated, and frozen meat. (It) Nuovo Prog. Vet. 19(13):572-574, 576, 578. July 15, 1964. 41.8 P942



- 107668 GT. BRIT. DEPT. OF SCIENTIFIC AND INDUSTRIAL RESEARCH. LOW TEMPERATURE RESEARCH STATION. A basic investigation of the biochemical and physical changes occurring in meat fibres when they are dehydrated by the accelerated freeze-drying process to determine conditions necessary for its commercial acceptance; final report. Cambridge, 1963. various paging. 289 G7923  
Report period: 1st July, 1959-30 June, 1963.  
P. L. 480; Grant No.: FG-UK-101-59; Project No.: UR-E29(60)-18.
- 107669 HAVERKAMP, L. J. The upward volume trend in processed meats. West. Meat Indus. 10(6): 20,22-24,27. June 1964. 50.8 W52
- 107670 HERFELD, H., and KOENIGFELD, G. On the differences between various materials of sole tanning from the point of view of structure and that of the hygiene of the user. (Fr) Rev. Tech. des Indus. du Cuir 56(7):227-230,233-237. July 1964. 303.8 C89
- 107671 HERFELD, H. On the possibilities of mechanizing, rationalizing, and automating the supervision of wet processing in the tannery. (Ge) Leder 15(7):157-173. Ref. July 1964. 303.8 L492  
English summary.
- 107672 HOEK, F. H. Report to the Government of India on the training and production centre for hide flaying, curing, leather utilization and by-product processing, Bakshi-Ka-Talab, Lucknow. Food & Agr. Organ. United Nations. Expanded Tech. Asst. Program. FAO Rpt. 1621, 14 p. 1963. 281.9 F733E
- 107673 INCZE, K. Model-experiments for the establishment of the required heat-treatment of preserved meat-products. (Hu) Husipar 13(3): 137-139. May/June 1964. 50.8 H95  
English summary.
- 107674 KORMENDY, L., and FENYES, T. Theoretical and practical questions of the optimum-calculation correlations between the cooking-loss, the quantity and concentration of injected brine. (Hu) Husipar 13(3):126-130. May/June 1964. 50.8 H95  
English summary.  
In ham.
- 107675 KREUZER, A. Form tanning, new method of shoe manufacture. (Fr) Rev. Tech. des Indus. du Cuir 56(7):242-243. July 1964. 303.8 C89
- 107676 KYLEN, A. M., and others. Microwave and conventional cooking of meat. Amer. Dietet. Assoc. J. 45(2):139-145. Ref. Aug. 1964. 389.8 Am34  
B. H. Mcgrath, E. L. Hallmark, and F. O. Van Dwyne, joint authors.
- 107677 MACFARLANE, P. G., and NOTTINGHAM, P. M. Continuous spray washing of conveyor belts. Meat Ind. Res. Inst. New Zeal. M.I.R.I.N.Z. 69,8 p. Apr. 1963. 50.9 M462
- 107678 MEAT INDUSTRY RESEARCH INSTITUTE OF NEW ZEALAND. SANITATION STUDY GROUP. Hygiene in meat works. Meat Ind. Res. Inst. New Zeal. M.I.R.I.N.Z. 72,17 p. Aug. 1963. 50.9 M462
- 107679 MEHREN, G. L. Communications, competition, and the role of USDA: address at annual meeting of Western States Meat Packers Association, San Francisco, Calif., Feb. 21, 1964. Washington, U. S. D. A., Off. Sec., 1964. 15 p. A280.39 M472
- 107680 MLYNARIK, J., and FOLTANYI, J. Some up-to-date technological equipments used in the Soviet meat industry. (Hu) Husipar 13(3):116-120. May/June 1964. 50.8 H95  
English summary.
- 107681 MORGADO, F. DE P. Processing of hides and skins in Mozambique. III. Preservation by drying. (Por) Gaz. do Agr. 15(173):290-295. Oct. 1963. 24 G25
- 107682 NATIONAL INDEPENDENT MEAT PACKERS ASSOCIATION. 1964 convention report. Natl. Provisioner 151(2):28-56,99,101-102,106,110,112,115-116,119-120. July 11, 1964. 286.85 N21  
23d meeting held in New York.
- 107683 OTTO, G. Influence of superficial charge in the processes of leather manufacture. (Sp) Afinidad 21(231):180-185. May/June 1964. 385 Af4
- 107684 PRATORIUS, G. The plan "new technique"—a lever for technology. (Ge) Fleischermeister 18(5):113-114. (Cont.) May 1964. 50.8 F622  
Automation and mechanization in the meat industry of East Germany.
- 107685 SEGEL, F. Meat packers should point with pride to deeds and cooperate with others. Natl. Provisioner 151(2):53-55. July 11, 1964. 286.85 N21
- 107686 SHANNON, W. A. In considering technological changes, take a hard look at total operation. Natl. Provisioner 151(2):47-52. July 11, 1964. 286.85 N21  
In the meat industry.
- 107687 SKELLEY, G. C., KEMP, J. D., and VARNEY, W. Y. Quick aging of hams. J. Anim. Sci. 23(3):633-637. Aug. 1964. 49 J82
- 107688 TE WECHER, L. Preparation of sterilized emulsions in the meat products industry. (Du) Conserva 13(1):1-6. July 1964. 389.8 C7632  
French summary.
- 107689 VARALLYAI, R. Past, development and perspectives of the salami plant in Szeged. (Hu) Husipar 13(3):104-108. May/June 1964. 50.8 H95  
English summary.
- 107690 WOODHAMS, P. R., and RIDALL, A. B. The cooking of fresh lamb cuts. 1. Meat Ind. Res. Inst. New Zeal. M.I.R.I.N.Z. 59,23 p. Apr. 1963. 50.9 M462

## Statistics

- 107691 BOCKENHOFF, E. Forecast of the cattle market; evaluation of the cattle census of June 3, 1964. (Ge) Agrarwirtschaft 13(7):228-232. July 1964. 281.8 Ag826
- 107692 BOCKENHOFF, E. Forecast of the swine market; evaluation of the swine census of June 3, 1964. (Ge) Agrarwirtschaft 13(7):224-227. July 1964. 281.8 Ag826
- 107693 SIEVERS, M. Domestic animal raising in Schleswig-Holstein. III. (Ge) Statis. Monh. Schleswig-Holstein 16(7):167-173, map. July 1964. 265 Sch32Sm
- 107694 SIMPSON, F. M. How many cows—and where? Livestock Breeder J. 7(7):71-72,92. July 1964. 49 L758  
Cattle inventory in eastern half of the United States.
- 107695 SOUTH CAROLINA. AGRICULTURAL EXPERIMENT STATION. South Carolina livestock and poultry statistics, State & county estimates, inventory numbers 1963-1964. S. C. Agr. Expt. Sta. AE 260,17 p. June 1964. 281.9 C59  
U. S. Department of Agriculture, cooperating.
- 107696 U. S. AGRICULTURAL MARKETING SERV. Supplement for 1963 to: Livestock and meat statistics, 1962. U. S. D. A. Statis. B. 333, 161 p. Aug. 1964. 1 Ag84St  
U. S. Department of Agriculture Statistical Reporting Service and Economic Research Service, cooperating.
- 107697 VENEZUELA. DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Beneficio de ganado cabrio y lanar 1962 [Slaughtering of goats and sheep 1962]. 1963. 22 p. 255.9 Ec74B

## OILS AND OILSEEDS

- 107698 ABBOTT, R. J., HOFFMAN, A., and HOWARD, G. E. The amino-acid and vitamin contents of Bombacopsis glabra kernels. Chem. & Indus. 31:1390-1391. Aug. 1, 1964. 382 M31C  
Suitability of edible oil and feed.
- 107699 AKIYA, T. Studies on characteristics and nutritive changes in oils during heating. 4. Decay of linoleic acid contents of soybean oils during heating. (Ja) Tokyo. Food Res. Inst. Rpt. 18: 84-87. Ref. Mar. 1964. 389.9 T57  
English summary.

- 107700 AVILES ALGARRA, J. General considerations and statistics. (Sp) *Cult. Mod.* 47(3):96-97. Mar.1964. 15 C89  
Olive oil industry.
- 107701 BANI, A. The problem of oilseeds. (It) *Raccolto* 5(5):72-76. May 31,1964. 16 R11  
Imports, production, and costs.
- 107702 BENNETT, J. E., and BYER, M. J. Studies of the oxygen bomb method for determining shortening stabilities. *Amer. Oil Chem. Soc. J.* 41(7):505-507. July 1964. 307.8 J82
- 107703 BHATTY, M. K., and CRAIG, B. M. Silicic acid-silver nitrate chromatography as an enrichment technique in fatty acid analysis. *Amer. Oil Chem. Soc. J.* 41(7):508-510. July 1964. 307.8 J82
- 107704 BUSWELL, R. J. The determination of lactic acid in shortening containing lactylated glycerides, by liquid-liquid partition chromatography. *Amer. Oil Chem. Soc. J.* 41(7):457-459. July 1964. 307.8 J82
- 107705 CHARLETT, S. M. Laboratory notes on the chemical examination of oils: the melting point. *Confectionery Prod.* 30(6):473,475,477-478. June 1964. 389.8 C762
- 107706 CHARLETT, S. M. Laboratory notes on the chemical examination of oils: the saponification value. *Confectionery Prod.* 30(5):389-390,392. May 1964. 389.8 C762
- 107707 CHARLETT, S. M. Notes on the analysis of oils and fats for food technologists. *Confectionery Prod.* 30(4):289-290,292. Apr.1964. 389.8 C762
- 107708 CHIPAULT, J. R., and MIZUNO, G. R. Effects of ionizing radiations on fats. II. *Amer. Oil Chem. Soc. J.* 41(7):468-473. Ref. July 1964. 307.8 J82
- 107709 CORBI, D., and CICERO, L. The rectifiers and a new method of verifying their presence in virgin olive oils. (It) *Olearia* 8(2/3):54-56. Ref. Mar./June 1964. 308.8 OL52  
English summary.
- 107710 CORRAO, A. On the pectin content of virgin olive oil waste. (It) *Olearia* 8(2/3):57-60. Mar./June 1964. 307.8 OL52  
English summary.
- 107711 DEFROMONT, C. Oilcakes: constituents, modifications in the course of extraction treatments and preservation. (Fr) *Rev. Franc. des Corps Gras* 11(7):377-397. Ref. July 1964. 307.8 R32
- 107712 DEMOLE, E., WILLHALM, B., and STOLL, M. Properties and structure of the ketolactone  $C_{12}H_{16}O_3$  of essence of jasmine (*Jasminum grandiflorum* L.). (Fr) *Helvet. Chim. Acta* 47(5):1152-1159. Ref. Oct.7,1964. 385 H36
- 107713 DUBLYANSKAYA, N. F. Fatty oils of essential oil plants. (Rus) *Masl.-Zhir. Promysh.* 5:24-26. May 1964. 307.8 M37  
Umbelliferae; includes oil-seed waste as feed.
- 107714 EGGINS, H. O. W. The isolation of fungi causing deterioration in Nigerian palm oil. *Mycopath. et Mycol. Appl.* 22(2/3):201-213. Ref. Apr.30,1964. 450 M994
- 107715 FRANCOIS, R., and LOURY, M. Contribution to the study of the oxidation of fats. (Fr) *Chim. & Indus.* 91(6):650-653. June 1964. 383 C42  
English summary.
- 107716 FREEMAN, O. L. Excerpts of remarks at the annual convention of the Soybean Growers of America, Decatur, Illinois, Feb. 10, 1964. Washington, U. S. D. A., Off. Sec., 1964. 6 p. A31.3 F87
- 107717 GAROGLIO, P. G., and STELLA, C. The auto-oxidation of oil as a function of the technology of oil extraction and of the system of conservation. (Fr) *Inform. Oleicoles Internatl. (n.s.)* 23:41-53. July/Sept.1963. 80 In3
- 107718 GRIECO, D., and PIEPOLI, G. Composition of the fatty acids contained in the lipides extracted from oil seeds and fruits. (It) *Riv. Ital. delle Sostanze Grasse* 41(6):283-287. Ref. June 1964. 307.8 OL3  
English summary.
- 107719 HAND, D. B., STEINKRAUS, K. H., and GAGE, M. H. A new soybean food: precooked dehydrated soybeans plus corn or rice. *Rur. Missions* 129:4. Summer 1964. 281.28 Ag8
- 107720 HESTER, O. C., and BOGGS, R. L. Market potentials for modified edible fats and oils. U. S. D. A. Mktg. Res. Rpt. 659,30 p. Ref. May 1964. 1 Ag84Mr
- 107721 HINKO, T. The separation of the high melting parts from edible fats. (Ge) *L und E* 17(6):6-8, 10. (Cont.) Ref. June 1964. 389.8 Z34
- 107722 HOERR, C. W. X-ray diffraction of fats. *Amer. Oil Chem. Soc. J.* 41(7):422,32,34. July 1964. 307.8 J82
- 107723 IGNATOVA, L. A., and others. Chemical composition of essential oil of *Juniperus Semiglobosa* Rgl. (Rus) *Zhur. Prikl. Khim.* 37(6):1389-1391. June 1964. 385 Z64  
G. A. Tolstikov, L. N. Lishtvanova, and M. I. Goryaev, joint authors.
- 107724 INDIA. DIRECTORATE OF ECONOMICS AND STATISTICS. All-India final estimate of castorseed, 1963-64. New Delhi, 1964. 3 p. 269.5 In2Ac
- 107725 INDIA. DIRECTORATE OF ECONOMICS AND STATISTICS. All-India final estimate of groundnut, 1963-64. New Delhi, 1964. 3 p. 269.5 In2Ag
- 107726 JACINI, G., and CAROLA, C. Italian plants for the extraction of olive oil. I. (It) *Riv. Ital. delle Sostanze Grasse* 41(6):290-308. June 1964. 307.8 OL3
- 107727 JAIN, N. C., DHAMANNEY, C. P., and SINGH, K. R. Aldehyde donor based cashew nut liquid adhesive. *Paintindia* 14(1):88-89. Apr.1964. 306.8 P164
- 107728 JANAUDIS, Z. Vegetable oils and derivatives. (Por) *Rev. Bras. de Quim. (Cien. & Indus.)* 57(341):728-730,732-733,736,738,746. May 1964. 385 R322  
Properties, extraction, and processing.
- 107729 KAJIMOTO, G., and others. Influence of rancid oil on cooking. 21-22. (Ja) *Jap. Soc. Food & Nutr. J.* 16(5):65-75. 1964. 389.9 J27  
K. Mukai, I. Tamai, and Y. Furui, joint authors.  
English summary.
- 107730 KAJIMOTO, G., and KAMO, K. Influence of rancid oil on the cooking. 23-24. (Ja) *Jap. Soc. Food & Nutr. J.* 16(6):12-21. 1964. 389.9 J27  
English summary.
- 107731 KAPACHEVA, A. N. New method of accelerated determination of essential oil in rose. (Rus) *Masl.-Zhir. Promysh.* 5:27-28. May 1964. 307.8 M37
- 107732 KARTHA, A. R. S. A chemical technique for determining the configuration of natural fats: operation of specific restricted random distribution rule B in *Garcinia indica* & *Vateria indica* seed fats. *Indian J. Chem.* 2(5):199-203. Ref. May 1964. 385 In294
- 107733 KENNEDY, B. W. Moisture content, mold invasion, and seed viability of stored soybeans. *Phytopathology* 54(7):771-774. Ref. July 1964. 464.8 P56
- 107734 KILGORE, L. T., and LUKER, W. D. Fatty acid components of fried foods and fats used for frying. *Amer. Oil Chem. Soc. J.* 41(7):496-500. Ref. July 1964. 307.8 J82
- 107735 KLEIMAN, R., and others. Search for new industrial oils. XI. Oils of *Boraginaceae*. *Amer. Oil Chem. Soc. J.* 41(7):459-460. July 1964. 307.8 J82  
F. R. Earle, I. A. Wolff, and Q. Jones, joint authors.
- 107736 KUKSIS, A. Hydrocarbon composition of some crude and refined edible seed oils. *Biochemistry* 3(8):1086-1093. Ref. Aug.1964. 381 B523
- 107737 KULKARNI, R. K., CHOWDHRY, K. K., and ASTHANA, S. K. Coating compositions from cashew nut shell liquid. *Paintindia* 14(1):108-119. Ref. Apr.1964. 306.8 P164



- 107738 KUNKER, A. Contribution to the study of the bitter orange *Citrus aurantium* Linnaeus. III. Essential oil of bitter orange. (It) Riv. Ital. Essenze—Profumi—Piante Officinali—Aromi—Saponi—Cosmetici 46(5):228-233. Ref. May 1964. 308.8 R52
- 107739 LIN, F. M., POMERANZ, Y., and SHELLENBERGER, J. A. Simple chemical and microbiological methods to control soy flour heat treatment. Soybean Digest 24(10):24-28. Ref. Aug. 1964. 60.38 So9
- 107740 LIPPARINI, L., and SANDI, E. Determination of parathion in edible oils with the agar-agar diffusion method. (It) Rass. Chim. 16(3):129-132. Ref. May/June 1964. 385 R18
- 107741 LOEW, G. E. Neutralization boraxes. (Sp) Inform. Argent. Grasas Aceites. Bol. 2(3):1-6. (Cont.) May 1964. 307.8 In3
- 107742 MARTINENGHI, G. B. Gas chromatographic and U. V. spectrophotometric values in peanut oils. (It) Olearia 8(2/3):47-53. Ref. Mar./June 1964. 307.8 OL52  
English summary.
- 107743 MARTINEZ MORENO, J. M. The Instituto de la Grasa de Seville: organization, activities, achievements. (Sp) Ion 24(276):379-386,400. July 1964. 385 Io6
- 107744 MOHAN, R., and RAO, S. D. Indian corn oil industry; characteristics and oil contents of Indian hybrid maize and germs. Indian J. Agr. Sci. 34(1):18-20. Mar. 1964. 22 Ag831
- 107745 MOLLER, O. Problems of the economics of deodorizing of oils and fats. (Ge) Fette, Seifen, Anstrichmtl. 66(7):517-523. (Cont.) July 1964. 384 C422
- 107746 MUSURAKIS, G. The Synodinos and Konstas reaction applied to sesame oil research. (It) Riv. Ital. delle Sostanze Grasse 41(6):321-322. June 1964. 307.8 OL3  
English summary.
- 107747 NOVAK, A. F., and others. Antimycotic activity of some fatty acid derivatives. Amer. Oil Chem. Soc. J. 41(7):503-505. Ref. July 1964. 307.8 J82  
M. J. Fisher, S. P. Fore, and H. P. Dupuy, joint authors.
- 107748 NOVITSKI, I. I. Some physical and mechanical properties of cottonseeds. (Rus) Masl.-Zhir. Promysh. 5:39-42. May 1964. 307.8 M37
- 107749 OHTA, T., and others. Manufacturing new-type fermented soybean food product employing *Bacillus natto*. 1-2. (Ja) Tokyo. Food Res. Inst. Rpt. 18:46-59. Mar. 1964. 389.9 T57  
H. Ebine, M. Nakano, H. Hieda, and H. Sasaki, joint authors.  
English summary.
- 107750 OIL & FAT IMPORTERS & EXPORTERS ASSOCIATION. Statistics for 1963 of oilseeds, oils and oilcakes. Tokyo, 1964. 18 p. 286.88 Oi5
- 107751 OTA, T., EBINE, H., and NAKANO, M. Study on tempe. 1. On the property of tempe powder. Tokyo. Food Res. Inst. Rpt. 18:67-69. Mar. 1964. 389.9 T57  
English summary.  
Tempe is a soybean product.
- 107752 PABST, M. Neutralization pastes, acid oils and distilled fatty acids: treatment, purification, properties, uses. (Fr) Rev. Franc. des Corps Gras 11(7):399-403. July 1964. 307.8 R32
- 107753 PARIS. INSTITUT DES CORPS GRAS. Rapport d'activite pour l'annee 1963 [Report of activities for the year 1963]. Paris, 1964. 53 p. 307.9 P21
- 107754 PETRUCCIOLI, G., AMICUCCI, U., and CUCCI, S. Experimental research into the optimum duration from the economic point of view (economic time) of the pressing operation in the rational extraction of oil. (Fr) Inform. Oleicoles Internatl. (n.s.)23:55-72. July/Sept. 1963. 80 In3
- 107755 RICCIARDI, A. I., and CASSANO, A. E. Vapor phase chromatographic separation of light fractions of essential oils. 2. (Sp) Santa Fe. Univ. Nac. Litoral. Fac. Ingen. Quim. 31:49-58. 1962, pub. 1963. 385 Sa5  
English summary.
- 107756 RICCIARDI, A. I., CASSANO, A. E., and BURGOS, J. L. Volatile oils of the Argentina coast. II. Oil of *Cordia chacoensis* Chod. (Sp) Santa Fe. Univ. Nac. Litoral. Fac. Ingen. Quim. 31:43-48. 1962, pub. 1963. 385 Sa5  
English summary.
- 107757 RICHTER, G., and MUSCHOLL, P. Paper chromatography of essential oils. (Ge) J. Chromatography 15(1):39-49. Ref. June 1964. 475 J824  
English summary.
- 107758 RIESZ, C. H., and WEBER, H. S. Catalyst for selective hydrogenation of soybean oil. III. Amer. Oil Chem. Soc. J. 41(7):464-468. Ref. July 1964. 307.8 J82
- 107759 SETHI, S. C., and RAO, B. C. S. Colouration of vanaspati. Indian Journal of Technology 2(6):208-210. June 1964. 473 In22
- 107760 SEVENSTER, J. Margarine in the perspective of dairy policy in the E.E.C. (Fr) Vita 20(14):667,669,671,673,675-676. Sept. 30, 1963. 389.8 V834
- 107761 SHURPALEKAR, S. R., and others. Preparation, chemical composition and shelf-life of precooked roller-dried protein foods based on full-fat soya flour and low-fat groundnut flour. J. Sci. Food & Agr. 15(6):370-372. Ref. June 1964. 382 So12  
M. R. Chandrasekhara, M. Swaminathan, A. Sreenivasan, and V. Subrahmanyam, joint authors.
- 107762 SIGANUR, I. SH. Activity of fats and oils enterprises of Ukraine in 1963. (Rus) Masl.-Zhir. Promysh. 5:30-33. May 1964. 307.8 M37
- 107763 SLIWIOK, J., and KWAPNIEWSKI, Z. Paper chromatography of higher fatty acids. (It) Riv. Ital. delle Sostanze Grasse 41(6):288-289. June 1964. 307.8 OL3  
English summary.
- 107764 SMITH, T. B. Operating procedures and labor utilization in cottonseed oil mills, 1961-62 season. U. S. D. A. Econ. Res. Serv. ERS-179, 27 p. July 1964. A281.9 Ag83E  
U. S. Farmer Cooperative Service, cooperating.
- 107765 SOOD, V. K. Isolation of maaliol from the oil of *Valeriana wallichii* DC. Indian J. Chem. 2(4):170-171. Apr. 1964. 385 In294
- 107766 SPITERI, J., CASTANG, J., and SOLERE, M. Study on the preservation of olive paste. (Fr) Inform. Oleicoles Internatl. (n.s.)23:93-103. Ref. July/Sept. 1963. 80 In3
- 107767 STAGE, H. Fundamentals and equipment set-up for distillative deodorization, illustrated by edible oil deacidification and deodorization. (Ge) Chem.-Ztg.-Chem. Apparatur 88(12):412-419. Ref. June 20, 1964. 384 C427
- 107768 STAHL, E., and SCHMITT, G. Chemical strains of drug plants. II. On the varying composition of essential oil of tansy [*Tanacetum vulgare*]. (Ge) Arch. der Pharm. 34(7):385-391. Ref. July 1964. 396.8 Ar2A
- 107769 TAKAGI, T. 5,11,14-Eicosatrienoic acid in *Podocarpus nagi* seed oil. Amer. Oil Chem. Soc. J. 41(7):516-519. Ref. July 1964. 307.8 J82
- 107770 TRUJILLO MORA, F. Data on essential oils. (Sp) Paraguay Indus. y Com. 20(237):23-25, 27, 29, 31, 33, 35, 37-38. June 1964. 280.8 P213
- 107771 U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Chemically modified oil products and industrial uses; a list of publications and patents, 1936-1961, Northern Regional Research Laboratory. U. S. Agr. Res. Serv. ARS-71-27, 22 p. Dec. 1962. A381 R31Ac
- 107772 U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Composition of oilseeds; a list of publications, 1936-1961, Northern Regional Research Laboratory. U. S. Agr. Res. Serv. ARS-71-23, 17 p. Dec. 1962. A381 R31Ac



- 107773 U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Composition of oil-seeds; a list of publications and patents for 1962, of the Northern Utilization Research and Development Division, Peoria, Illinois. U. S. Agr. Res. Serv. ARS-71,23-1,3 p. Jan.1963. A381 R31Ac
- 107774 U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Edible soybean oil; a list of publications and patents, 1936-1961, Northern Regional Research Laboratory, U. S. Agr. Res. Serv. ARS-71-25,15 p. Dec.1962. A381 R31Ac
- 107775 U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Edible soybean protein products; a list of publications and patents, 1936-1961, Northern Regional Research Laboratory, U. S. Agr. Res. Serv. ARS-71-26,9 p. Dec.1962. A381 R31Ac
- 107776 U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Edible soybean oil; a list of publications for 1962, of the Northern Utilization Research and Development Division, Peoria, Illinois. U. S. Agr. Res. Serv. ARS-71-25-1,2 p. Jan.1963. A381 R31Ac
- 107777 U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Processing oilseeds, oil, and meal; a list of publications and patents, 1946-1961, Northern Regional Research Laboratory, U. S. Agr. Res. Serv. ARS-71-24,11 p. Dec.1962. A381 R31Ac
- 107778 U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Review articles on oil-seed crops research; a list of publications 1936-1961, Northern Regional Research Laboratory, U. S. Agr. Res. Serv. ARS-71-29,9 p. Dec.1962. A381 R31Ac Utilization.
- 107779 U. S. BUR. OF THE CENSUS. INDUSTRY DIV. Fats and oils, vegetable oil crushers, summary for 1963. U. S. Bur. Census. Cur. Indus. Rpt. Ser. M20J(63)-13,11 p. May 15,1964. 157.41 F1124
- 107780 VANASPATI MANUFACTURERS' ASSOCIATION OF INDIA. Annual report for 1963. Bombay, 1963. 23 p. 307.9 V26
- 107781 VITAGLIANO, M., and VODRET, A. Research on Fitelson reaction in olive oil. (It) Riv. Ital. delle Sostanze Grasse 41(6):309-314. Ref. June 1964. 307.8 OL3 English summary.
- 107782 WEST PAKISTAN. AGRICULTURE DEPT. Final estimate of sesamum crop pertaining to West Pakistan for the year 1962-63. Lahore, 1963. 3 p. 77.9 In27S
- 107783 YAPI VE KREDI BANKASI. Canary seed output and exports in Turkey. Yapi ve Kredi Bankasi. Mkt. Rpt. (n.s.)64,2 p. Sept.1963. 280.39 Y1
- 107784 ZAVULUNOV, A. I. Some data on fats and oils industry of Tadzhik SSR for 1963. (Rus) Masl.-Zhir. Promysh. 5:33. May 1964. 307.8 M37
- 107788 BOWMAN, J. C., and POWELL, J. C. The effect of different levels of management on the assessment of differences between varieties of chickens. II. Egg production, mortality and egg weight. Anim. Prod. 6(2):195-205. Ref. June 1964. 49 An55 Statistical methods.
- 107789 BURBEE, C. R., and BARDWELL, E. T. Marketing New England poultry. 6. Economies of scale in hatching and cost of distributing broiler chicks. N. H. Agr. Expt. Sta. Sta. B. 483, 56 p. May 1964. 100 N45 Massachusetts Agricultural Experiment Station, and Dept. of Agriculture, cooperating. Includes input-output relationships.
- 107790 BURKE, L. Open-top egg cartons show off eggs. Poultry Processing & Mktg. Incl. Amer. Egg & Poultry Rev. 70(8):10-11,44. Aug.1964. 286.85 Eg3
- 107791 CASTELLO DE PLANDOLIT, E. General view on commercialization of poultry products. (Sp) Avicult. Tec. 15(1):40,43-44. Jan.1964. 47.8 Av57
- 107792 CAVERS, J. R. Meeting the seasonal demand for broilers. Canad. Poultry Rev. 88(3):16. Mar.1964. 47.8 C16 Marketing and prices.
- 107793 CAVERS, J. R. New pattern of egg production in 1964. Canad. Poultry Rev. 88(5):9. May 1964. 47.8 C16 Marketing outlook.
- 107794 COX, J. Egg contracting in the south. Feed-stuffs 36(32):60,62. Aug.8,1964. 286.81 F322
- 107795 DAVIS, D. The outlook for 1964; how industry men see it. Broiler Business 15(1):12-15. Jan.1964. 47.8 B782
- 107796 DAVIS, L. Corrugated shipper reduces poultry waste. Food Engin. 36(8):78-80. Aug.1964. 389.8 F737 Poultry meat.
- 107797 DEREGOWSKI, K. The development of the feather industry. (Pol) Drobiarstwo 12(7):26-27. July 1964. 47.8 P953
- 107798 DORUCHOWSKI, W. Scientific research. (Pol) Drobiarstwo 12(7):27-28. July 1964. 47.8 P953 In the egg and poultry industry.
- 107799 DRIGGERS, J. C. Broiler price cycles. Broiler Business 15(4):52,54. Apr.1964. 47.8 B782
- 107800 ELLIS, F. E. Opinions are diversified. Canad. Poultry Rev. 88(6):13-15. June 1964. 47.8 C16 Egg price policy in Canada.
- 107801 FILSHIE, B. K., and others. X-ray-diffraction and electron-microscope observations on soluble derivatives of feather keratin. Biochem. J. 92(1):19. July 1964. 382 B52 R. D. B. Fraser, T. P. Macrae, and G. E. Rogers, joint authors.
- 107802 FLETCHER, D. A. Extending turkey merchandising; twenty-five plus ways of offering turkey products to the housewife. Canad. Poultry Rev. 88(4):60-62,64-66. Apr.1964. 47.8 C16
- 107803 GEIG, D. Broiler and egg groups in England. Poultry Processing & Mktg. Incl. Amer. Egg & Poultry Rev. 70(8):8-9,38-39,41. Aug.1964. 286.85 Eg3 Text of an interview by A. W. Jasper. On integrated poultry and egg operations.
- 107804 GOLDSBOROUGH, G. H. The "Long Island Duckling" story. Agr. Mktg. 9(8):12-13. Aug. 1964. A280.38 Ag8 Chiefly marketing.
- 107805 GRAY, L. R. Marketing spreads for eggs, frying chickens, and turkeys in selected cities of the United States. U. S. D. A. Econ. Res. Serv. MTS-152:11-16. Feb.1964. 1.941 M8M34 Prices.
- 107806 HARRAP, B. S., and WOODS, E. F. Soluble derivatives of feather keratin. 1. Biochem. J. 92(1):8-18. Ref. July 1964. 382 B52
- 107807 HARRAP, B. S., and WOODS, E. F. Soluble derivatives of feather keratin. 2. Biochem. J. 92(1):19-26. Ref. July 1964. 382 B52
- POULTRY AND POULTRY PRODUCTS
- 107785 AGGAZZOTTI, L. Our daily fowl. (It) Modena 70(5):7-10. May 1964. 280.9 M722 Industry.
- 107786 BACKMAN, U. The poultry industry is in a critical situation. (Sw) Honsgarden 1:7. In Tidskr. f. Lantman och Andelsfolk 3. Feb.15, 1964. 20 T43 Chiefly Finland.
- 107787 BLAIR, R. The B. C. [British Columbia] Broiler Marketing Board policy. Canad. Poultry Rev. 88(3):24-27,30,32. Mar.1964. 47.8 C16



- 107808 HEFFERNAN, B. E. A look at the turkey industry. *Canad. Poultry Rev.* 88(8):58-60. (Cont.) Aug.1964. 47.8 C16
- 107809 HEINEMANN. Der Bauer und der Eiermarkt [The farmer and the egg market]. Germany. Land- u. Hauswirt. Auswertungs- u. Inform-dienst. [Veroffentl.]. 229,16 p. 1963. 18 G312V
- 107810 HENRY, W. F., and BURBEE, C. R. Marketing New England poultry. 5. Effects of firm size and production density on assembly costs. *N. H. Agr. Expt. Sta. Sta. B.* 482,62 p. Ref. Apr.1964. 100 N45  
Massachusetts Agricultural Experiment Station, and Dept. of Agriculture, cooperating. Broilers.
- 107811 HENRY, W. R. How will management change in the next ten years? *Broiler Business* 15(2): 26-27,30,32. Feb.1964. 47.8 B782
- 107812 HERBERT, J. NBC approves expanded program; the National Broiler Council plans to become the "official voice" of the broiler business. *Broiler Business* 15(5):28-30. May 1964. 47.8 B782
- 107813 HOSOWA, H. The American poultry world; diary of an inspection trip. (Ja) *Japan Poultry J.* 48(10):44-46. Oct.1963. 47.8 J27
- 107814 HOSOWA, H. My view of American poultry raising. 4. Large-scale commercialization of poultry raising and what's involved in it. (Ja) *Japan Poultry J.* 49(1):54-56,59. Jan.1964. 47.8 J27
- 107815 ISHIBASHI, S. The present condition of American varieties in Hyogo Prefecture. (Ja) *Kei-yu* 5:52-54,59-61. May 1964. 47.8 K26
- 107816 JEZ, T. Financial outlays in the industry. (Pol) *Drobiarstwo* 12(7):21-22. July 1964. 47.8 P953  
Egg and poultry industry.
- 107817 JONSSON, E. Blod och andra flackar i honsagg [Blood and other spots in hen's eggs]. Uppsala. Lantbrukshogsk. Aktuellt Lantbrukshogsk. 22, 16 p. Ref. 1964. 11 Up62A
- 107818 KAUFFMAN, H. Fresh versus frozen—is there a difference? *Turkey World* 39(8):18-19. Aug.1964. 47.38 T84  
Turkey meat marketing based on consumer preferences.
- 107819 KAWAMURA, R. A guide to poultry meat. (Ja) *Niwatori-no-Kenkyu* 38(11):154-155. Nov.1963. 47.8 N64  
Quality and weight and measurement.
- 107820 KESIK, B. The organization of poultry product purchasing. (Pol) *Drobiarstwo* 12(7):11-13. July 1964. 47.8 P953  
Live poultry, eggs and feathers.
- 107821 KHAN, A. W. Changes in nonprotein nitrogenous constituents of chicken breast muscle stored at below-freezing temperatures. *J. Agr. & Food Chem.* 12(4):378-380. Ref. July/Aug.1964. 381 J8223
- 107822 KLIJANOWSKI, J. Professional workers of the egg and poultry industry and their training. (Pol) *Drobiarstwo* 12(7):28-29. July 1964. 47.8 P953
- 107823 KOLLER, F. Cooperative poultry and egg marketing. (Ge) *Landwirt. Genossenschfragen.* 11:81-86. 1963. 280.28 L232  
Austria.
- 107824 KULAKOWSKI, O. Trends of the raw material base development in egg and poultry industry. (Pol) *Drobiarstwo* 12(7):9-11. July 1964. 47.8 P953
- 107825 LIQUID eggs frozen in bag. *Food Engin.* 36(8): 82-84. Aug.1964. 389.8 F737
- 107826 MCARTHUR, M. H. Organisation of egg marketing. *EMB Bulletin* 4(6):11,13,15,17. June 1964. 280.38 Eg3
- 107827 MACKENZIE, A. M. An estimate of broiler production in Scotland. *Scot. Dep. Agr. Fish. Scot. Agr. Econ.* 14:258-259. 1964. 281.9 Sco3S  
Statistical.
- 107828 MADRID. CENTRO EXPERIMENTAL DEL FRIO. Study of changes in the specific antibacterial activity of eggs during cold treatment and storage, and the role played by different adjuvants procedures. Madrid, 1964. various paging. 389.3 M262  
P.L.480; Project No.: E25-AMS-5(a); Grant No.: FG-Sp-109.  
Research period covered: 20.1.61 to 20.1.64.
- 107829 MEDRZECKI, S. The influence of the industry on poultry producers. (Pol) *Drobiarstwo* 12(7):14-15. July 1964. 47.8 P953  
Chiefly advisory services.
- 107830 MOK, C. C., and COMMON, R. H. Studies on the livetins of hen's egg yolk. II. Immunoelectrophoretic identification of livetins with serum proteins. *Canad. J. Biochem.* 42(8):1119-1131. Ref. Aug.1964. 470 C16E
- 107831 MONTANES, J. M., and CAMPS, J. The actual problem of the commercialization of the broiler. (Sp) *Avicult. Tec.* 15(1):36,39. Jan.1964. 47.8 Av57  
Includes management and vertical integration in Spain.
- 107832 MONTGOMERY, R. H. A comparison of the keeping quality of eggs under different methods of farm storage. *North. Ireland. Min. Agr. Res. & Expt. Rec.* 12(2):103-106. 1962, pub. 1964. 10 N81R
- 107833 MORSELLI, M. Hens from golden eggs. (It) *Modena* 70(5):6,11-13. May 1964. 280.9 M722
- 107834 MORTENSON, W. P. Can the egg industry wake up? *Poultry Processing & Mktg. Incl. Amer. Egg & Poultry Rev.* 70(8):6,48. Aug. 1964. 286.85 Eg3
- 107835 NEMETH, L. Situation in the goose industry and tasks for development. (Hu) *Baromfite-nyesztes* 8(5):3-4. May 1964. 47.8 B262
- 107836 RACZYK, W. The share of poultry industry in the animal production. (Pol) *Drobiarstwo* 12(7):6-9. July 1964. 47.8 P953
- 107837 ROY, P. South leads U. S. in large poultry farms. *Broiler Business* 15(4):64-65. Apr. 1964. 47.8 B782  
Census.
- 107838 ROY, P. Why lease a broiler farm? Some contractors lease broiler farms to establish a company-owned structure; several factors must be considered before making such decisions. *Broiler Business* 15(5):46,48-49. May 1964. 47.8 B782  
Includes costs.
- 107839 SARDA MESTRES, J. Avicultural policy. (Sp) *Avicult. Tec.* 14(12):625-626,629-630. Dec. 1963. 47.8 Av57  
Spain and Europe.
- 107840 SCHWALL, D. V., and STADELMAN, W. J. Effects of corn starch and corn sirup on moisture retention, color, flavor and oxidative changes in poultry meat. *Ind. Agr. Expt. Sta. Res. Prog. Rpt.* 143,11 p. Ref. June 1964. 100 In2Res
- 107841 SHUTTLEWORTH, J. B.C. egg producers seek a [marketing] board. *Canad. Poultry Rev.* 88(8):38-41. Aug.1964. 47.8 C16
- 107842 SNYDER, E. S. Capons are in demand. *Canad. Poultry Rev.* 88(6):11-13. June 1964. 47.8 C16
- 107843 STOKES, D. R., and others. Evaluation of specified shrink films for prepackaging frozen cut-up chickens at processing plant. U. S. D. A. *Mktg. Res. Rpt.* 662,15 p. July 1964. 1 Ag84Mr  
A. W. Kotula, A. J. Mercuri and F. K. Buxton, joint authors.
- 107844 SUGAWARA, T. A backward glance at five years of poultry economics. (Ja) *Niwatori-no-Kenkyu* 38(7):126-130. July 1963. 47.8 N64
- 107845 SWIERCZYNSKI, A. Twenty years of egg and poultry industry in People's Poland. (Pol) *Drobiarstwo* 12(7):3-4. July 1964. 47.8 P953  
Chiefly statistics.

- 107846 SZELIGA, J. Achievements of the egg and poultry industry. (Pol) *Drobiarstwo* 12(7):4-7. July 1964. 47.8 P953
- 107847 TARKOWSKI, W., and JASZOWSKI, J. Technical progress in the egg industry. (Pol) *Drobiarstwo* 12(7):22-24. July 1964. 47.8 P953
- 107848 TERRY, J. Why small poultry companies fail. *Broiler Business* 15(5):16-17. May 1964. 47.8 B782
- 107849 WASHINGTON, STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: chicken eggs—U.S. (48). Wash. State U. Agr. Ext. Ext. Mimeo. 2331,2 p. Aug. 1963. 275.29 W27Mi
- 107850 WASHINGTON, STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: chicken eggs—Washington. Wash. State U. Agr. Ext. Ext. Mimeo. 2330,2 p. Aug. 1963. 275.29 W27Mi
- 107851 WASHINGTON, STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: chicken meat—U.S. (48). Wash. State U. Agr. Ext. Ext. Mimeo. 2323,2 p. Sept. 1963. 275.29 W27Mi
- 107852 WASHINGTON, STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: chicken meat—Washington. Wash. State U. Agr. Ext. Ext. Mimeo. 2324,2 p. Sept. 1963. 275.29 W27Mi
- 107853 WICK, H. J. Egg marketing in spite of "egg dance." (Ge) *Raiffeisen-Rundschau* 16(3):103-104,106-107. 1964. 284.28 R132 Cooperatives.
- 107854 ZMIJEWSKA, Z. The activity of the Zrzeszenie Zwiazkow Hodowcow i Producentow Drobiu. (Pol) *Drobiarstwo* 12(7):16-17. July 1964. 47.8 P953
- 107855 ZOLTOWSKI, J., and SIEMINSKI, J. Technical progress in the poultry industry. (Pol) *Drobiarstwo* 12(7):24-25. July 1964. 47.8 P953

## RUBBER AND RUBBER SUBSTITUTES

- 107856 ABRAHAM, C. Carbon black. *Indian Rubber B.* 186:23-26. July 1964. 78.8 In2
- 107857 ALLEN, P. W. Rubber in 1970. *Rubber J.* 146(8):28-32,44,58. Aug. 1964. 305.8 In21
- 107858 ANDREWS, E. H., and STUBBS, J. M. A new freezing head for the ultramicrotomy of rubbers. *Roy. Micros. Soc. J.* (ser.3)82(3):221-223. 1963, pub. 1964. 440.9 R81J
- 107859 BATEMAN, L. Recent and prospective NR [Natural rubber] developments. *Nat. Rubber News*, July 1964:1-22. 78.8 N21
- 107860 BUKHINA, M. F. Effect of deformation on the crystallization of supercooled cured and uncured rubbers. *Rubber Chem. & Technol.* 37(2):404-407. Apr./June 1964. 78.8 R822  
Translation from *Vysokomolekulyarnye Soedineniya* 5:1725-1728. 1963.
- 107861 BUTENUTH, G., and WESTLINNING, H. Experimental findings on the abnormal freezing point depression of swelled cured natural rubber. *Rubber Chem. & Technol.* 37(2):311-325. Ref. Apr./June 1964. 78.8 R822
- 107862 ELLWOOD, H. Developments in the mixing of rubber and plastics. *Indian Rubber B.* 186:12, 13-18. July 1964. 78.8 In2
- 107863 FUNAIOLI, U. Notes on culture of Hevea in Ghana. (It) *Riv. di Agr. Subtrop. e Trop.* 57(10/12):432-446, map. Oct./Dec. 1963. 26 Ag82  
English summary.  
Rubber industry.
- 107864 HU, Y. Some problems on the technical characteristics of natural rubber latex. (Ch) *Huaxue Tongbao* 11:20-28. Ref. Nov. 1963. 385 H863
- 107865 HUMMEL, K. Vulcanization of elastomers. 45. *Rubber Chem. & Technol.* 37(2):446-456. Apr./June 1964. 78.8 R822  
Translation from *Kautschuk und Gummi-Kunststoffe* 16(10):553-555. Oct. 1963.
- 107866 INSTITUT DES RECHERCHES SUR LE CAOUTCHOUC AU CAMBODGE. Rapport annuel [Annual report], 1962. Phnom-Penh, 1963. 120 p. 78.9 In7R
- 107867 INSTITUT FRANCAIS DU CAOUTCHOUC: Rapport annuel [Annual report], 1962. Paris, 1963. 38 p. 78.9 F84
- 107868 JUVE, A. E. On testing rubber. *Rubber Chem. & Technol.* 37(2):XXIV-XXXIV. Apr./June 1964. 78.8 R822
- 107869 KENNER, T., and WALDHAUSL, W. Experimental investigations on Frank's elasticity theory. (Ge) *Z. f. Biol.* 114(2/3):127-131. Oct. 1963. 442.8 Z3  
Yellow natural rubber tested.
- 107870 KLUCKOW, P., and SEEBERGER, E. Problems of direct vulcanization of DV mixes. 2. *Rubber J.* 146(8):33-48,50-52. Aug. 1964. 305.8 In21
- 107871 SOINNEN, A., BASK, W., and PEHU-LEHTONEN, A. L. Effect of piperidine on rubber solutions. *Rubber Chem. & Technol.* 37(2):477-485. Apr./June 1964. 78.8 R822  
Translation from *Kautschuk und Gummi-Kunststoffe* 16(10):555-558. Oct. 1963.
- 107872 TANEJA, H. L., and BANERJEE, S. Studies on the kinetics of vulcanization of rubber. *Rubber Chem. & Technol.* 37(2):557-562. Ref. Apr./June 1964. 78.8 R822
- 107873 WILKINSON, L. B., NORMAN, C. W., and BUETTNER, J. P. Determination of residual monomers in latex by gas chromatography. *Analyt. Chem.* 36(9):1759-1762. Aug. 1964. 381 J825A

## SEEDS

- 107874 ANSELME, C. Principles, methods and interpretation of the sanitary analysis of seeds. (It) *Inform. Fitopatol.* 14(11):285-286. June 15, 1964. 464.8 In3
- 107875 BASOV, A. M., and IZAKOV, F. YA. Electric corona separation of grain. 9 p. Ref. Transl. 13601  
Translation from *Vestnik Sel'skokhozyaistvennoi Nauki* 1:107-113. Jan. 1962.
- 107876 CHOU, C. C., and PIAO, P. N. The storage of fall soybean seeds. (Ch) *Nongye Jishu* 11:16-17. Nov. 1962. 22.5 N929
- 107877 CLARK, A. B. Let's look to the future; president's report to the members of the American Seed Trade Association at their annual convention in San Francisco, June 29, 1964. *Seed World* 95(1):6,8-11. July 10, 1964. 61.8 Se52
- 107878 ESBO, H. Crop culture and obligatory certification. (Sw) *Jord-Groda-Djur* 20:67-72. 1964. 11 J763  
Grain and legumes.
- 107879 GRAY, J. Seeds; the shape of things to come. *Agr. Merchant* 44(7):46-47,49. July 1964. 10 Ag89  
Plant Varieties and Seeds Act.
- 107880 HECKENDORN, W. Why an annual report? II. *Seed World* 95(3):1-4. Aug. 14, 1964. 61.8 Se52  
Seed industry regulation.
- 107881 ILLINOIS CROP IMPROVEMENT ASSOCIATION. Field seed certification guide: oats. Urbana, 1964. 12 p. 61.9 IL60
- 107882 ILLINOIS CROP IMPROVEMENT ASSOCIATION. Field seed certification guide; seed directory, 1963 crop. Urbana, 1963. 22 p. 61.9 IL6S
- 107883 ILLINOIS CROP IMPROVEMENT ASSOCIATION. Field seed certification guide; seed directory, 1964 crop. Urbana, 1964. 12 p. 61.9 IL6S
- 107884 KAHRE, L. This year's meadow seed. (Sw) *Svensk Valltidskr.* 3(1):4-6. 1964. 60.8 Sv22  
Quality.
- 107885 K'ANG, C. The storage of Morus seeds. (Ch) *Nongye Jishu* 5:15. May 1963. 22.5 N929



- 107886 KANSAS CROP IMPROVEMENT ASSOCIATION. Kansas certified seed directory, fall 1964. Manhattan, 1964. 40 p. 61.9 K132  
Field crops.
- 107887 KRAUS, T., and WAGNER, M. Problems of the working body on seed culture. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:20-22. 1964. 20 M57  
Of the Council for Mutual Economic Assistance.
- 107888 MCCABE, J. J. Vegetable seed production in California and Arizona. Seed World 95(3):8. Aug.14,1964. 61.8 Se52
- 107889 MATSUK, YU. P., D'YAKONOV, L. A., and IVANOVA, V. F. Cleaning sunflower seeds with separators. (Rus) Masl.-Zhir. Promysh. 4:35-38. Apr.1964. 307.8 M37
- 107890 NEBRASKA CROP IMPROVEMENT ASSOCIATION. Nebraska certified seed directory, summer 1964. Lincoln, 1964. 36 p. 225 N272  
Grain and forage plants.
- 107891 NORTH CAROLINA CROP IMPROVEMENT ASSOCIATION. 1964 sources of certified seed; wheat, oats, barley, rye, and tall fescue. Raleigh, 1964. 16 p.,map. 59.9 N814
- 107892 NORWAY. STATENS FROKONTROLL. Melding [Report]. Halden, 1963. 46 p. 61.4 N832  
English summary.
- 107893 NOWAK, A. Why prices of hemp seeds should be raised. (Pol) Nowe Roln. 12(21):35-36. Nov.1/15,1963. 20.5 N86  
On situation in Polish hemp industry.
- 107894 REPUBLIC OF SOUTH AFRICA. CONTROLLER AND AUDITOR GENERAL. Report on the accounts of the Lucerne Seed Control Board for the accounting year 1st November 1961 to 31st October 1962 and the balance sheet as at 31st October 1962. Pretoria, 1963. 10 p. 60.39 So8
- 107895 ROLLIN, S. F. The Federal Seed Act at quarter-century mark. Agr. Mktg. 9(8):16. Aug. 1964. A280.38 Ag8
- 107896 SANBORN, B. G., and PEASE, C. M. Results of seeds tests for 1963. N. H. Agr. Expt. Sta. State Serv. Rpt. 11,20 p. Aug.1963. 100 N45St  
Seed law and rules and regulations thereunder.
- 107897 SHAFI, M. Storage of vegetable seeds. Agr. Pakistan 14(3):253-257. Sept.1963. 22 Ag832
- 107898 VISSERS, C. Proprietary rights. II. Seed World 95(2):14-15. July 24,1964. 61.8 Se52
- 107899 ZABAZNYI, P. A. Lifting level of field crops seed culture. (Rus) Selek. i Semen. 3:3-9. May/June 1964. 61.9 Se5  
Situation and outlook.
- 107900 ACHARI, T. K. T. Sugarcane production and sugar marketing in Australia. II. Indian Sugar [Calcutta] 14(2):163-165. May 1964. 65.8 In26
- 107901 ACOSTA C., J. Brief review of the advances in industrialization of byproducts of sugarcane. (Sp) B. Azucarero Mex. 179:8-16. May 1964. 65.8 B63
- 107902 AHLFELD, H. The production of sugar ought to increase by 34 million tons in the course of the next few years. (Fr) Sucr. Franc. 105(6):169-172. June 1964. 65.8 J82
- 107903 ATHAVALE, G. R. Recent advances in sugar technology in India. Indian Sugar [Calcutta] 14(2):129-132. Ref. May 1964. 65.8 In26
- 107904 BHOOTH, E. N. Central Sugar Marketing Board. Indian Sugar [Calcutta] 14(2):100-102. May 1964. 65.8 In26
- 107905 BINKLEY, W. W., and ALTENBURG, W. F. The isolation of planteose from beet final molasses. Internatl. Sugar J. 66(787):217-218. July 1964. 65.8 In8
- 107906 BLISS, L. R. Panorama of the future through the orientation of modern agricultural-industrial techniques for sugar. (Sp) Indus. Azucarera 70(846):153-155. May 1964. 65.8 In22
- 107907 CAGUIOA, M. R. Factors for converting piculs of sugar of specific polarization to short tons raw value equivalents. Sugar News [Manila] 40 (6,sup.):336-337. June 1964. 65.8 Su36
- 107908 COUPER, C. H., and SHERWOOD, I. R. Explosive gas from sugar seepage. Internatl. Sugar J. 66(787):221-222. July 1964. 65.8 In8
- 107909 DEVILLERS, P. L., and SALSAT, A. On the microbial contamination of healthy sugarbeets. (Fr) Sucr. Franc. 105(5):133-135. May 1964. 65.8 J82
- 107910 DEVILLERS, P. L. Present state of the technique of decoloration of juices, syrups, and drippings, through ion exchange. (Fr) Sucr. Franc. 105(4):101-103. Apr.1964. 65.8 J82
- 107911 DIETRICH, C. P., DIETRICH, S. M. C., and PONTIS, H. G. Separation of sugar phosphates and sugar nucleotides by thin-layer chromatography. J. Chromatography 15(2):277-278. Ref. July 1964. 475 J824
- 107912 GRIMBERG, M. Automatic electronic saccharimeter. (Ge) Zucker 17(8):218-220. Apr.15, 1964. 65.8 Z82  
English summary.
- 107913 HIDI, P. The effect of magnesium on clarification and the phosphate content of raw sugars. Austral. J. Appl. Sci. 15(1):35-40. Ref. Mar. 1964. 475 Au74
- 107914 HOEL, P. Sugar marketing. (No) Birokteren 80(6):85-86. June 1964. 424.8 B53
- 107915 IMMERS, J. A microchromatograph for quantitative estimation of sugars using a paper strip as partition support. J. Chromatography 15(2):252-256. Ref. July 1964. 475 J824
- 107916 JHUNJHUNWALA, V. D. Reorientation of sugar industry. Indian Sugar [Calcutta] 14(2):85, 87. May 1964. 65.8 In26
- 107917 KANORIA, S. S. Sugar and Marketing Board. Indian Sugar [Calcutta] 14(2):79-81. May 1964. 65.8 In26
- 107918 KANORIA, T. Economics of sugar industry in East U.P. and Bihar. Indian Sugar [Calcutta] 14(2):86-87. May 1964. 65.8 In26
- 107919 KHAITAN, M. Sugar industry in Eastern Zone. Indian Sugar [Calcutta] 14(2):95-96. May 1964. 65.8 In26
- 107920 KOTHARI, D. C. Prospects of new sugar factories. Indian Sugar [Calcutta] 14(2):97-99. May 1964. 65.8 In26
- 107921 LING, C. More sugar for the Chinese table. (Sp) B. Azucarero Mex. 179:26-27. May 1964. 65.8 B63
- 107922 LOEBL, I. Electric drive updates old mill. Sugar y Azucar 59(8):33-35. Aug.1964. 65.8 F11  
Peru.
- 107923 MCNULTY, M. J. Economic and other advantages of increasing mill capacity. Sugar J. 27 (3):20-22. Aug.1964. 65.8 Su391  
Louisiana.
- 107924 MAHAJAN, D. D. Whither sugar industry? Indian Sugar [Calcutta] 14(3):209-212. June 1964. 65.8 In26  
Includes policies.
- 107925 MEHTA, J. S. Fourth plan target for sugar. Indian Sugar [Calcutta] 14(2):103-105. May 1964. 65.8 In26
- 107926 MITTAL, B. L. The process that gave higher boiling house efficiency and better quality sugar with increased crushing rate. Indian Sugar [Calcutta] 14(2):137-143. May 1964. 65.8 In26
- 107927 MODI, R. B. G. M. Freedom and flexibility to sugar factories necessary for increasing production. Indian Sugar [Calcutta] 14(2):67-73. May 1964. 65.8 In26  
Program for the sugar industry.
- 107928 MONTANER ESTEVE, J. Sugar: production, consumption, and market. (Sp) Cult. Mod. 47 (2):48-49. Feb.1964. 15 C89  
Spain.
- 107929 NARANG, D. R. Controls on sugar industry. Indian Sugar [Calcutta] 14(2):75-76. May 1964. 65.8 In26

## SUGAR AND SIRUPS

- 107930 NICHOLLES, P. S. The distribution of airborne mesophilic bacteria, yeasts and molds in beet sugar factories. Amer. Soc. Sugar Beet Technol. J. 12(8):666-671. Jan. 1964. 66.9 Am35J
- 107931 OZAWA, Y., TSUTSUMI, C., and NAGAHARA, T. Determination of moisture in massecuite sugars. (Ja) Tokyo. Food Res. Inst. Rpt. 18: 111-114. Mar. 1964. 389.9 T57  
English summary.
- 107932 PHANSALKAR, S. L. Sugar technology; steam economy measures. 1. Indian Sugar [Calcutta] 14(3):215-220. June 1964. 65.8 In26
- 107933 QUEENSLAND. BUR. OF SUGAR EXPERIMENT STATIONS. Operations report. 64/1. An investigation into the performance of a B.M.A. continuous fugal at Gin Gin, 1963 season. Queensland, 1963. 11 p. 65.9 Q35
- 107934 RAMIREZ, J. C. Sucrochemistry. (Sp) Mex. Agr. 10(120):38-39. Feb. 1964. 8 M5762  
Chemurgic products from sugarcane.
- 107935 RAO, S. N. G. Raw sugar production in India; the quality aspect. Indian Sugar [Calcutta] 14(2):89-94. May 1964. 65.8 In26
- 107936 RAO, T. S. Thoughts on vacuum pan boiling station. Indian Sugar [Calcutta] 14(2):133-135. May 1964. 65.8 In26
- 107937 RIVERA-SANTOS, L. Notes on sugar cane industry of Puerto Rico. Sugar J. 27(2):5-6. July 1964. 65.8 Su391
- 107938 ROUNDS, H. G. Common sense and artificial sweeteners. Sugar Beet 16(40):9,34. Summer 1964. 66.8 Su34B
- 107939 SATO shirizu. 8. Tai-koku no togyo [Sugar series. 8. The sugar industry of Thailand]. Tokyo, Nihon Seito Kogyokai, 1963. 168 p. 286.86 Sa8
- 107940 SCHINK, H. Automation in the sugar industry. (Ge) Zucker 16(22):609-614. Nov. 15, 1963. 65.8 Z82  
English summary.
- 107941 SCHLIEPHAKE, D., and WOLF, A. Cross flow extraction. (Ge) Zucker 16(21):587-596. Nov. 1, 1963. 65.8 Z82  
English summary.  
Statistical research methods.
- 107942 SCHOLL, J. C., and HURT, L. C. Sugar and other sweeteners. U. S. D. A. Ybk. Agr. 1964: 177-184. 1 Ag84Y  
Includes consumption.
- 107943 SILIN, P. M. Molasses formation. Internatl. Sugar J. 66(788):255-258. Aug. 1964. 65.8 In8
- 107944 STROH, H. H., and SCHULER, W. Thin layer chromatography of sugars and sugar phenylhydrazones. (Ge) Z. f. Chem. 4(5):188-189. May 1964. 384 Z325
- 107945 TESI, R. Study of a new method of working demineralized sugar juices. (It) Indus. Sac. Ital. 56(9/10):217-223. Sept./Oct. 1963. 65.8 In23  
English summary.
- 107946 TIKHOMIROFF, N., PIDOUX, G., and FILIPPI, R. Viscosimetric investigation on crystal formation of supersaturated aqueous sucrose solutions. (Ge) Zucker 16(22):617-619. Nov. 15, 1963. 65.8 Z82  
English summary.
- 107947 TORMES, F. E. Realizations on the quality factor of cane as an indication of productivity at Santa Isabel mill. (Sp) B. Azucarero Mex. 179:3-5. May 1964. 65.8 B63
- 107948 TSENG, R. H. A breakthrough at Hualien sugar factory. Taiwan Sugar 11(2):9-16. Apr./June 1964. 65.8 T133
- 107949 ZAORSKA, H. The influence of some colouring substances from sugar juices and syrups on the colour of sugar. Internatl. Sugar J. 66(788): 260-262. (Cont.) Aug. 1964. 65.8 In8
- 107950 ZUCKERWIRTSCHAFTLICHES Taschenbuch [Sugar manual], 10, 1963. Berlin-Nikolassee, Verlag Dr. Albert Bartens, 1963. 200 p. 281.3658 Z8  
Statistical.
- TOBACCO**
- 107951 BOCEVSKI, D. Fermentacija na tutunot [Fermentation of tobacco]. Skopje, Makedonija Tutun, 1963. 190 p. Ref. 69 B65
- 107952 CARR, C. S. U.S. tobacco industry must face new problems. Tobacco [New York] 159(5):114-115. July 31, 1964. 286.89 T552
- 107953 CHETTY, K. C. Tobacco in India; the role of the Indian Central Tobacco Committee. Tobacco [New York] 159(5):78-79, 82-83. July 31, 1964. 286.89 T552
- 107954 DAVIS, A. B. Tobacco production and marketing in Southern Rhodesia, Northern Rhodesia, and Nyasaland. U. S. Foreign Agr. Serv. FAS-M-157,32 p. June 1964. A281.9 F76Fm
- 107955 DAVIS, A. B. Tobacco production and trade of Madagascar (Malagasy Republic). U. S. Foreign Agr. Serv. FAS-M 159,9 p., map. May 1964. A281.9 F76Fm
- 107956 DAVIS, J. J., and SAUNDERS, G. W. Insecticide taint trials in tobacco, 1961-1963. Queensland J. Agr. Sci. 20(4):519-521. Dec. 1963. 23 Q37
- 107957 DENNIS, H. A. The flue-cured outlook. Tobacco [New York] 159(5):58-61, 64-65. July 31, 1964. 286.89 T552
- 107958 FOOT, M. More growers turning to coal and automatic equipment. Rhodesian Tobacco J. 16(6):53-55. June 1964. 69.8 R34  
Tobacco curing.
- 107959 GARMANY, H., and PALMER, E. Control or not. Rhodesian Tobacco J. 16(6):46-48. June 1964. 69.8 R34  
Tobacco surplus and production quotas.
- 107960 HODGES, L. Trends in the Mexican tobacco industry. Tobacco [New York] 159(5):156-158. July 31, 1964. 286.89 T552
- 107961 KIGER, H. C., EVERTS, F. S., and EISENACH, E. J. Production, trade, and use of tobacco. U. S. D. A. Ybk. Agr. 1964:205-211. 1 Ag84Y
- 107962 KIGER, H. C. World tobacco dilemma; imbalance of supply and demand for cigarette leaf raises critical problems. Tobacco [New York] 159(5):23, 25-27. July 31, 1964. 286.89 T552
- 107963 MEREDITH, J. F. Transportation of tobacco. Tobacco [New York] 159(5):108-109. July 31, 1964. 286.89 T552
- 107964 MORGENBESSER, H. Hamburg, Germany's great tobacco port. Tobacco [New York] 159(5): 102-103. July 31, 1964. 286.89 T552
- 107965 MURPHY, H. About Queensland tobacco. Indian Tobacco 14(1):37-39. Jan./Mar. 1964. 69.8 In2
- 107966 PFAFF, J. O. Better flavors for tobacco. Tobacco [New York] 159(5):72-74. July 31, 1964. 286.89 T552
- 107967 RAO, P. S. Agmark—guarantee of quality. Tobacco [New York] 159(5):84-85. July 31, 1964. 286.89 T552  
Indian tobacco.
- 107968 SASTRY, T. G., RAMAKRISHNAYYA, B. V., and SASTRY, A. S. Effect of cool storage after redrying on the deterioration of colour in Indian flue-cured tobacco. Indian Tobacco 14(1):22-31. Ref. Jan./Mar. 1964. 69.8 In2
- 107969 SCHMELTZ, I., MILLER, R. L., and STEDMAN, R. L. Gas chromatographic study of the steam-volatile fatty acids of various tobaccos. J. Gas Chromatogr. 1(8):27-28. Aug. 1963. 381 J8225
- 107970 SCOTT, W. A. Preparing cigarette burley tobacco for market. Canada. Dept. Agr. P. 1219, 7 p., map. 1964. 7 C16Pu
- 107971 SKINNER, W. I. A call for cooperation; all segments of U. S. tobacco trade must unite for progress. Tobacco [New York] 159(5):118-121. July 31, 1964. 286.89 T552
- 107972 STENT, M. Beira, port for Rhodesia's Tobacco. Tobacco [New York] 159(5):97-101. July 31, 1964. 286.89 T552



- 107973 TODD, G. F., ed. Tobacco consumption in various countries. Tobacco Res. Council. Res. Papers 6,58 p. 1963. 449.9 T55 Statistics.
- 107974 U. S. AGRICULTURAL MARKETING SERV. TOBACCO DIV. Light air-cured tobacco market review, 1963 crop (1963-64 season) part I—type 31-Burley. Washington, 1964. 38 p.,map. 1.9 Ec714T
- 107975 VENEZUELA. DIRECCION DE ECONOMIA Y ESTADISTICA AGROPECUARIA. Estimacion de cosechas, 1963: tabaco (cosecha de invierno) [Crop estimates, 1963: tobacco (winter crop)]. Caracas, 1964. 37 p.,map: (EEA-64-035) 69.9 V55
- 107976 WRIGHT, H. E., BURTON, W. W., and BERRY, R. C. Detection of free thymine in aged burley tobacco. Arch. Biochem. & Biophys. 106(1/3): 173-175. Ref. July 20, 1964. 381 Ar2
- 107977 YAPI VE KREDI BANKASI. The Turkish tobacco market in 1962/63. Yapi ve Kredi Bankasi. Mkt. Rpt. (n.s.)63,3 p. July 1963. 280.29 Y1 Production and trade.
- 107978 ZEZZOS, R. Tobacco, "holy herb." (It) Cron. Econ. 258:54-59. June 1964. 280.8 C882
- MISCELLANEOUS PRODUCTS**
- 107979 AGARWAL, P. N., and others. Studies on the growth of food yeasts in bagasse & cane molasses media. Indian J. Technol. 2(5):172-174. Ref. May 1964. 475 In22  
T. N. Rawal, G. M. Verma, and O. P. Verma, joint authors.
- 107980 ANSARI, M. A. S. Preservation and curing of fish in West Pakistan. Agr. Pakistan 14(3):351-361. Sept. 1963. 22 Ag832
- 107981 BOTELHO, A. T. Technological aspects of preparation of canned products. (Por) Conservas de Peixe 19(219):21,24. June 1964. 389.8 C7692 Fish.
- 107982 BURTON, J. S., and STEVENS, R. Chemistry of hop constituents. XXII. Inst. Brewing. J. 70 (4):345-352. Ref. July/Aug. 1964. 390.9 In7
- 107983 FRITZSCHE, R. Fifty years of the Verband Schweizerischer Baumschulbesitzer. (Ge) Schweiz. Z. f. Obst- u. Weinbau 73(15):378-383. July 25, 1964. 80 Sch9
- 107984 GAZELLE, S. A. Supplies of marine oils increase since 1947 low. Agr. Situation [Washington] 48(8):10-11. Aug. 1964. 1 Ec7Ag
- 107985 LANDBOUW-ECONOMISCH INSTITUUT. Onderzoek naar de kwantitatieve opbrengsten van gladiolen in Zuidwest-Nederland, Teeltjaar 1963 [Research on the quantitative yields of gladioli in Southwest Netherlands, crop year 1963]. Landb.-Econ. Inst. Verslagen 83,34 p. July 1964. 281.9 L23V Statistics.
- 107986 MAYER, A. M., and others. Problems of design and ecological considerations in mass culture of algae. Biotechnol. & Bioengin. 6(2): 173-190. Ref. June 1964. 381 J8224  
U. Zuri, Y. Shain, and H. Ginzburg, joint authors.
- 107987 MEESEMAECKER, R., and SOHIER, Y. The absorption of salt and its diffusion in canning of sardines in oil. (Fr) Rev. de la Conserve 19 (3):223-230,233. Apr./May 1964. 389.8 R326
- 107988 OKITSU, T., KAWABATA, T., and KOZIMA, T. Features of the causative organisms of deterioration of fish sausage. I-II. (Ja) Jap. Soc. Sci. Fisheries. B. 30(1):63-74. Ref. Jan. 1964. 414.9 J274  
English summary.  
Includes effect of food preservatives.
- 107989 PARK, E. L. Flowers, ornamentals a growing U.S. business. Agr. Situation [Washington] 48 (8):12. Aug. 1964. 1 Ec7Ag
- 107990 PETERS, J. A. Time-temperature tolerance of frozen seafood. ASHRAE Journal 6(8):72-75, 91. Ref. Aug. 1964. 295.8 Am3
- 107991 PINEVICH, V. V., and VERZILIN, N. N. Mass culturing of algae in the open air. (Rus) Lenin-grad. U. Vest. Ser. Biol. 3:75-97. Ref. 1963. 442.9 L542V  
English summary.
- 107992 SALINGER, J. P. The output of trees, shrubs, and roses. New Zeal. J. Agr. 108(6):541,543. June 15, 1964. 23 N48J  
Nursery statistics.
- 107993 SCHMIDT-LORENZ, W., and GUTSCHMIDT, J. Research on the cooling of sea fish under 0°C. (Ge) Kalte 17(7):365-368. July 1964. 295.8 K122
- 107994 SHIRAKAWA, T., and WATSON, D. P. Improved methods of handling Anthurium [andrea-num] flowers. Hawaii Farm Sci. 13(2):1-3. Apr. 1964. 100 H314
- 107995 SILBEREISEN, K., ANTHON, K. F., and HORST, L. VON. The delta resins of hops. (Ge) Mon-schr. f. Brauerei 17(7):146-149. July 1964. 390.8 B7323
- 107996 SMITH, C. N., and SHEEHAN, T. J. Expanding markets for flowers. Assoc. South. Agr. Workers. Mktg. Sect. Proc., 60th Annu. Conv. (paper 6), 19 p. Ref. 1963. 4 As73P
- 107997 U. S. CONGRESS, SENATE, COMMITTEE ON COMMERCE, Fishermen's Marketing Act. Hearing, 88th Cong., 1st sess., on S. 1135, a bill to make clear that fishermen's organizations, regardless of their technical legal status, have a voice in the ex-vessel sale of fish or other aquatic products on which the livelihood of their members depends. Washington, 1963. 209 p. (Serial 30) 414 Un34  
Hearings held May 8, 24, 25, 1963, June 27, 1963, in various cities.  
Includes testimony of fish processors.
- 107998 UOTA, M., and HARRIS, C. M. Quality and respiration rates in stock flowers [Matthiola incana] treated with N<sup>6</sup> benzylaminopurine. U. S. Agr. Mktg. Serv. AMS-537,8 p. Ref. June 1964. A280.39 M34Am





**AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY**

References on farm structures and rural housing are classified with Agricultural Engineering.

**GENERAL**

- 107999 ALPERT, P. Economic development, objectives and methods. New York Free Press Glencoe, 1963. 308 p., map. Ref. 280 AL7  
Includes land use, price stabilization, and technical assistance.
- 108000 ASSOCIAZIONE PER LO SVILUPPO DE L'INDUSTRIA NEL MEZZOGIORNO. CENTRO PER GLI STUDI SULLO SVILUPPO ECONOMIC. 1963 annual report of the board 17th year. Rome, 1964. 32 p. 280.9 As73R  
Library has also report for 1962, pub. 1963.
- 108001 BANCO CENTRAL DE NICARAGUA. Tercer informe anual [Third annual report], 1963. Managua, 1964. 144 p. 284.29 B2236  
Includes agriculture and foreign trade.
- 108002 BANK OF KOREA. RESEARCH DEPT. Review of Korean economy in 1963. Seoul, 1964. 142 p. 280.9 B2273R  
Agriculture and forestry, p. 61-65.
- 108003 BELARMINO, I. C. Some basic aspects of sampling for socio- and agro-economic variables. Philippines. Natl. Econ. Council. Statis. Rptr. 7(4):48-54. Oct./Dec. 1963. 273 N21S
- 108004 BELGIUM. DIRECTION GENERALE DES ETUDES ET DE LA DOCUMENTATION. L'economie belge en 1963 [The Belgian economy in 1963]. Bruxelles, 1964. 321 p. 280.9 B412  
Contains a chapter on agriculture.
- 108005 CHRISTENSEN, R. P. Problems in economics. U. S. D. A. Ybk. Agr. 1964:576-580. 1 Ag84Y  
In connection with the agriculture of developing areas.
- 108006 DAUMAN, A. Basic data on the economy of France. U. S. Bur. Internatl. Com. Overseas Business Rpt. OBR-64-10, 22 p. Feb. 1964. 157.54 Ov2  
Includes the agricultural economy.
- 108007 DICK, I. D. Inter-relationships in industry. New Zeal. Inst. Agr. Sci. Proc. 9:226-240. 1963. 23 N489P  
Discussion, p. 247-248.  
Input-output analysis.
- 108008 FAR EASTERN ECONOMIC REVIEW. 1964 yearbook. Hongkong, 1963. 296 p. 280.8 F224  
Agricultural economy included.
- 108009 FINN, W. G. OECD and OEEC. U. S. D. A. Ybk. Agr. 1964:449-452. 1 Ag84Y
- 108010 FORD, K. E. Agribusiness in Georgia. Ga. Agr. Expt. Sta. Mimeo. Ser. (n.s.) 199, 25 p., map. July 1964. 100 G293M
- 108011 FRANCE. INSTITUT NATIONAL DE LA STATISTIQUE ET DES ETUDES ECONOMIQUES. ECOLE NATIONALE DE LA STATISTIQUE ET DE L'ADMIN. ECONOMIQUE. La statistique et ses applications dans un pays en voie de développement [Statistics and its applications in a developing country], by M. G. Theodore. Paris, 1963. 2 v. 251 F8432
- 108012 GAY, F., and WAGRET, P. What is the condition of the economy in Spain? (Fr) Nature [Paris] 92(3350):208-215, map. June 1964. 473 N21
- 108013 GERL, F. The concentration in the pre- and post-stratified stages of agriculture. (Ge) Deut. Raiffeisentag. Verhandlber. 1963:104-123. 284.29 D485  
Factors influencing the supply of farm supplies and demand for agricultural products.
- 108014 GHOSH, M. G., and BANDYOPADHYAY, N. A comparative study of some aspects of agricultural development in two States of Eastern Zone, West Bengal and Orissa. Indian J. Agr. Econ. 19(1):212-219. Jan./Mar. 1964. 281.8 In2
- 108015 GIBBINGS, C. W. Agriculture in today's economy. Saskatchewan. U. Farm & Home Week. Addresses & Proc. 1964:8, 10-12, 14, 16. 101 Sa72
- 108016 GIROTTO, M. Kenya: limits and prospects of its independence. (It) Ricerche Econ. 18(1):89-93. Mar. 1964. 280.9 V553  
Includes the agricultural economy.
- 108017 GRIBAUDI, D. The Alpine world in European integration. (It) Cron. Econ. 250:10-14. Oct. 1963. 280.8 C882
- 108018 GUICHONNET, P. Socio-economic disparities in the Alpine zone with particular reference to Switzerland and France. (It) Cron. Econ. 250:32-36. Oct. 1963. 280.8 C882
- 108019 HATHAWAY, D. E. Problems of progress in the agricultural economy. Chicago, Scott, Foresman, 1964. 168 p. 281.12 H28P  
Includes agricultural programs.
- 108020 HEALEY, D. T. Agricultural economics in some African countries. Internatl. J. Agr. Aff. 4(4):250-286. June 1964. 281.8 In82
- 108021 INDIAN SOCIETY OF AGRICULTURAL ECONOMICS. Proceedings of the twenty-third conference held at Bombay, December 1963. Indian J. Agr. Econ. 19(1):302 p. Jan./Mar. 1964. 281.8 In2
- 108022 INDIAN SOCIETY OF AGRICULTURAL ECONOMICS. Report of the honorary secretary and treasurer for the year ending 31st December, 1962. n.p., 1963. 6 p. 281.9 In24
- 108023 IOWA, UNIVERSITY OF SCIENCE AND TECHNOLOGY. CENTER FOR AGRICULTURAL AND ECONOMIC DEVELOPMENT. Annual report, July 1, 1964. Ames, 1964. 36 p. 281.9 Io92
- 108024 KIRBY, R. N. Basic data on the economy of Hong Kong. U. S. Bur. Internatl. Com. Overseas Business Rpt. OBR-64-59, 24 p., map. Ref. June 1964. 157.54 OV2  
Includes the situation in agriculture.
- 108025 KROTOV, V. A. ed. Vostochnaya Sibir'; ekonomiko-geograficheskaya kharakteristika [Eastern Siberian; economic and geographic outline]. Moskva Gosudarstvennoe Izdatel'stvo Geograficheskoi Literatury, 1963. 888 p. Ref. 278.179 K92  
Includes agriculture.
- 108026 LANDBOUW-ECONOMISCH INSTITUUT. Jaarverslag [Annual report], 1963. 's-Gravenhage, 1964? 96 p. 281.9 L23
- 108027 MCMURTRY, G., and LIVERMORE, D. U. General business conditions; situation and outlook. Va. Polytech. Inst. Agr. Ext. Va. Farm. Econ. 185:13-15. May/June 1964. 275.29 V813  
United States.
- 108028 MATSUDA, E. Policies to deal with slumps and food are the heart of agricultural administration. (Ja) Nogyo to Keizai 30(1):4-10. Jan. 1964. 281.8 N682
- 108029 MICHIGAN, STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. COOPERATIVE EXTENSION SERV. Current research in agricultural economics. Mich. State U. Ext. A. E. 930, 57 p. Sept. 1963. 275.29 M581
- 108030 MILES, J. F. Valid and defensible use of descriptive research. Assoc. South. Agr. Workers. Mktg. Sect. Proc., 60th Annu. Conv. (paper 8), 20 p. Ref. 1963. 4 As73P  
Economics.  
Includes discussion by G. Rogers.
- 108031 NAPLES, UNIVERSITA. CENTRO DI SPECIALIZZAZIONE E RICERCHE ECONOMICO AGRARIE PER IL MEZZOGIORNO. Problemi economici e sociali delle trasformazioni irrigue; l'esperienza del Metapontino [Economic and social problems of irrigation improvement; the experience of the Metaponto Region]. Napoli, Cassa per il Mezzogiorno, 1964. 425 p. 280.176 N16  
Papers by M. Bartolelli, G. C. Nunziante, N. R. Collins, M. de Benedictis, F. de Stefano, A. Filangieri, G. A. Marselli, and M. Rossidoria.  
Includes climatic conditions, population, types of farming, marketing, and reclamation.
- 108032 PHILPOTT, B. P. Economic implications at the industry level. New Zeal. Inst. Agr. Sci. Proc. 9:175-187. 1963. 23 N489P  
Includes discussion.



- 108033 POLK, W. R., ed. Developmental révolution; North Africa, Middle East, South Asia. Washington, Middle East Inst., 1963. 269 p. 280 P753  
Modification of papers read at the 17th annual conference held by the Middle East Institute. Chapters by M. Halpern, D. Ensminger, C. Bowles, W. W. Rostow, K. Hansen, C. Samii, W. Lewis, S. J. Langley, F. Slaon, Y. Sayigh, R. M. Hill, L. Battle, E. W. Overton, J. B. Wiesner, E. Asfour, J. M. Weir, D. Smith, R. Nathan, A. Paul, R. Robinson, V. Rockhill, and H. Chenery.  
Includes rural planning and trade.
- 108034 ROSENFELD, F. The Alpine economy within the framework of the French development plans. (It) Cron. Econ. 250:91-95. Oct. 1963. 280.8 C882
- 108035 SCHILDERINCK, J. H. F. De betekenis van de akkerbouw en aanverwante bedrijfstakken voor de Nederlandse economie in 1958 (een toepassing van de input-outputanalyse) [The importance of farming and related branches to the Netherlands economy in 1959 (an application of input-output analysis). Landb.-Econ. Inst. Studies 11,42 p. Mar. 1964. 281.9 L23S
- 108036 SCHWANKE, R. Problems of the rural population of Albania. (Ge) Osteuropa 14(7/8):558: 561. July/Aug. 1964. 110 Os7
- 108037 SCHWEGLER, W. European and Swiss economic situation. (Ge) Agrarpolit. Rev. 20(10):423-432. June 1964. 281.8 Ag824
- 108038 SEERS, D., ed. Cuba; the economic and social revolution. Chapel Hill, U. N. C. Press, 1964. 432 p. 280.14 Se3  
Part I, Agriculture, by A. Bianchi.
- 108039 SEVER, B. B. Basic data on the economy of Barbados. U. S. Bur. Internatl. Com. Overseas Business Rpt. OBR-64-68,9 p., map. June 1964. 157.54 OV2  
Includes the agricultural economy.
- 108040 SINGH, S. S. Agriculture in Indian economy. Planting & Com. 11(30):14-16,18. Feb. 1964. 22 P697
- 108041 SVENSKA HANDELSBANKEN, STOCKHOLM. Sweden's economy, 1963. Stockholm, 1964. 62 p. 280.9 Sv2  
Includes a section on agriculture.
- 108042 TAUTSCHER, A. The economy of the Alpine valleys and tourism. (It) Cron. Econ. 250:58-75. Oct. 1963. 280.8 C882  
Text also in German.
- 108043 THOMPSON, J. J. Should industry push or pull? Natl. Inst. Anim. Agr. Proc., 13th Conf.: 32-38. 1963. 49.9 N219
- 108044 TOWER, F. J. Basic data on the economy of the Republic of Panama. U. S. Bur. Internatl. Com. Overseas Business Rpt. OBR-64-5,15 p., map. Ref. Jan. 1964. 157.54 Ov2  
Includes the agricultural economy.
- 108045 UNITED NATIONS, DEPT. OF ECONOMICS AND SOCIAL AFFAIRS. World economic survey 1962. I-II. New York, 1963. 2 v. 280.9 Un3656  
I, The developing countries in world trade;  
II, Current economic developments (includes agriculture).
- 108046 VEGA, F. DE LA. Economic development and agriculture. (Sp) Mex. Agr. 10(120):46-47. Feb. 1964. 8 M5762
- 108047 WALTERMANN, F. Cooperation between industry and agriculture. (Ge) Indus. Obst- u. Gemusewert. 49(13):381-387. July 2, 1964. 389.8 K832
- 108048 WEHS, L. Master testing in rural economics (Steiermark). (Ge) Forderungsdienst 12(6): 183-185. June 1964. 19 F75
- 108049 WRIGHT, G. Rural revolution in France; the peasantry in the twentieth century. Stanford, Stanford U. Press, 1964. 271 p., map. Ref. 281.2 W93
- 108050 YAMAUCHI, T. Japanese agriculture which has developed under a growing economy. (Ja) Nogyo to Keizai 30(1):17-22. Jan. 1964. 281.8 N682  
Development since 1955.
- AGRICULTURAL FINANCE**
- 108051 APTE, D. P. Uncertainties in agriculture and decisions of the cultivators regarding the crops to be cultivated. Indian J. Agr. Econ. 19(1): 109-114. Jan./Mar. 1964. 281.8 In2
- 108052 BALIGA, B. V. S., and TAMBAD, S. B. Risk and uncertainty in irrigated crops. Indian J. Agr. Econ. 19(1):121-128. Jan./Mar. 1964. 281.8 In2
- 108053 BRANDKAMP, F. Good application of investments in horticulture; purposeful credit policy promotes international competitiveness of German horticulture. (Ge) Raiffeisen-Rundschau 16(3):96-99. 1964. 284.28 R132
- 108054 CASELBERG, H. M. Rural finance. Massey Agr. Col. Sheepfarming Annu. 1963:21-34. 45.9 M38S  
New Zealand; farm management, credit and general economic conditions.
- 108055 DAMYANOV, K. The economic essence of the indivisible funds of the co-operative farms. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Ikonomika Selskoto Stopanstvo. Izv. 3:109-128. Ref. 1963. 281.9 Ak12  
English summary.
- 108056 GARLOCK, F. L. Our younger farmers—their status in agriculture. Agr. Finance Rev. 25: 45-51. Aug. 1964. 1.9 Ec78Af  
Management and credit.
- 108057 GUPTA, S. B. L. Variability of yields, prices and income for selected crops in Varanasi district (Uttar Pradesh). Indian J. Agr. Econ. 19(1):92-96. Jan./Mar. 1964. 281.8 In2  
Problem of risk.
- 108058 IDAHO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Managing your money; a family plan. Idaho. Agr. Col. Ext. B. 426,12 p. Aug. 1964. 100 Id14
- 108059 IHLE, H. A. What the farmer must know of the bill of exchange. (Ge) Mitt. der Deut. Landwirt.-Gesell. 78(45):1420,1422-1427. Nov. 7, 1963. 18 N39
- 108060 JATAR, S. N. Nature and role of risk and uncertainty in agriculture. Indian J. Agr. Econ. 19(1):69-72. Jan./Mar. 1964. 281.8 In2
- 108061 KAHLON, A. S., and JOHL, S. S. Nature and role of risk and uncertainty in agriculture. Indian J. Agr. Econ. 19(1):82-88. Jan./Mar. 1964. 281.8 In2
- 108062 KALINA, J. Experiences of the Rimavska Sobota agricultural production administration in testing the LPG finance plan. (Cz) Ekon. Zemedel. 20(11):322-324. Nov. 1963. 281.8 Ek7
- 108063 KLAUHS, H. Current problems of Raiffeisen money organization. (Ge) Landwirt. Genossenschfragen. 11:45-49. 1963. 280.28 L232
- 108064 KLOSS, H. The instrumentation of currency and credit policy. (Ge) Landwirt. Genossenschfragen. 11:35-44. 1963. 280.28 L232
- 108065 MALYA, M. M., and RAJAGOPALAN, R. Nature of risk associated with rainfall and its effect on farming—a case study of Kurnool District, Andhra Pradesh. Indian J. Agr. Econ. 19(1):76-81. Jan./Mar. 1964. 281.8 In2
- 108066 MISRA, B., DASGUPTA, H. K., and MISHRA, J. Risk and uncertainty in agricultural production in Cuttack. Indian J. Agr. Econ. 19(1):101-106. Jan./Mar. 1964. 281.8 In2
- 108067 MISRA, B. Uncertainties and adoption of new farming practices in India. Indian J. Agr. Econ. 19(1):73-75. Jan./Mar. 1964. 281.8 In2
- 108068 MUNDHENKE, E. Investment activity in agriculture. (Ge) Betriebswirt. Mitt. f. den Wirtberater. 119:7-13. July 15, 1964. 281.8 B462
- 108069 MUNDHENKE, E. Problems of investment and financing. (Ge) Betriebswirt. Mitt. f. den Wirtberater. 118:15-20. June 15, 1964. 281.8 B462
- 108070 PATEL, M. L. Role of risk and uncertainty in Kangra tea plantation. Indian J. Agr. Econ. 19(1):115-121. Jan./Mar. 1964. 281.8 In2



- 108071 PATIL, N. P., and HIREGOUDAR, S. L. Effects of weather uncertainty on the yield of paddy and management decisions. *Indian J. Agr. Econ.* 19(1):96-100. Jan./Mar. 1964. 281.8 In2
- 108072 SAMBERGS, A. Capital developments in Swedish agriculture. (Sw) *Nord. Lantbrekon. Tid-skr.* 14(2):65-72. 1964. 281.8 N75
- 108073 SEMENOV, V. Sources of fundamental and cir-culating funds of state farms and their use. (Rus) *Ekon. Sel'sk. Khoz.* 4:30-43. Apr. 1964. 281.8 So73
- 108074 SEN, S. N. Nature and role of the risk and un-certainty in agricultural production in Bihar. *Indian J. Agr. Econ.* 19(1):107-109. Jan./Mar. 1964. 281.8 In2
- 108075 TROTTER, R. R. Farm finance. *Ruakura Farmers' Conf. Week. Proc.* 1963:105-119. 49.9 R82
- 108076 VYAS, V. S., and RAKHRAL, K. R. Uncertainty and crop-planning. *Indian J. Agr. Econ.* 19(1): 89-91. Jan./Mar. 1964. 281.8 In2
- 108077 WEHRLY, J. S., and ATKINSON, J. H. Debt load capacity of farms. *Ind. Agr. Expt. Sta. Res. B.* 780, 19 p. June 1964. 100 In2P Management.
- Credit
- 108078 AGRAWAL, B. L. Risk and uncertainty in agri-culture: implications for agricultural credit. *Indian J. Agr. Econ.* 19(1):132-142. Jan./Mar. 1964. 281.8 In2
- 108079 ALLEN, P. T., and EITEL, V. E. Farm mortgage borrowing increasing since 1959. *Agr. Situation [Washington]* 48(8):1-3. Aug. 1964. 1 Ec7Ag
- 108080 ALLEN, P. T., and EITEL, V. E. The quality of farm-mortgage loans. *Agr. Finance Rev.* 25:23-36. Aug. 1964. 1.9 Ec78Af
- 108081 AMERICAN BANKERS ASSOCIATION. AGRI-CULTURAL COMMITTEE. Farm credit in New York—1963. New York, 1963. 2 p. 284.29 Am3Fn
- 108082 AMERICAN BANKERS ASSOCIATION. AGRI-CULTURAL COMMITTEE. Farm credit in New York—1964. New York, 1964. 2 p. 284.29 Am3Fn
- 108083 BANCO DE LA REPUBLICA. XL informe anual, 1º de enero a 31 de diciembre de 1963 [XL annual report, January 1 to December 31, 1963]. Bogota, 1964. 220 p. 284.9 C713  
Data on agricultural credit and trade included.
- 108084 BLAIR, J. Feed companies tighten down on credit, 5-State survey shows. *Feedstuffs* 36 (31):46-48. Aug. 1, 1964. 286.81 F7322
- 108085 BRAKE, J. R. Guidelines for evaluating farm loan applications. *Agr. Banking & Finance* 6(4): 9-10, 12. July/Aug. 1964. 284.8 B22
- 108086 BRAKE, J. R., and WIRTH, M. E. Some thoughts on research needs in farm capital and credit. *Agr. Finance Rev.* 25:55-58. Aug. 1964. 1.9 Ec78Af  
Mortgage credit.
- 108087 BUCHANAN, H. M. The banker. *Ruakura Farmers' Conf. Week. Proc.* 1963:120-129. 49.9 R82  
Services to farmers.  
Includes discussion.
- 108088 CENTRAL BANK FOR COOPERATIVES. Annual report 1933/34. Washington, D. C., 1964. 8 p. 284.29 C332
- 108089 CONFERENCIA CAFETERA NACIONAL, BO-GOTA, 1963. Declaration of the Government and the Conference [on coffee financing]. (Sp) *Rev. Cafetera de Colombia* 16(138-A):65-68. Mar. 1964. 68.28 R32
- 108090 COOK, G. A. Argentine agricultural credit and the need for a new focus. (Sp) *Soc. Rur. Ar-gentina. An.* 98(6):16-17, 47. June 1964. 9 Sol
- 108091 COOPERATIEVE CENTRALE RAIFFEISEN-BANK, UTRECHT. Verslag over 1963, het vijftienvestigste boekjaar [Report for 1963, the sixty-fifth fiscal year]. Utrecht, 1964. 55 p. 284.29 C782
- 108092 FEDERACION DE CAJAS DE CREDITO (EL SALVADOR). Memoria ejercicio 1963-1964 [Report, season 1963-1964]. San Salvador, 1964. 19 p., map. 284.29 F312  
Rural credit.
- 108093 GALE, J. F. Installment land contracts in fi-nancing farm real estate transfers. *Agr. Fi-nance Rev.* 25:37-44. Aug. 1964. 1.9 Ec78Af
- 108094 HAGENMULLER. The way to competitive firm size. (Ge) *Deut. Raiffeisntag. Verhandlber.* 1963:8-29. 284.29 D485  
Credit cooperatives.
- 108095 HANSEN, F. Credit extension work in agricul-ture. (Ge) *Betriebswirt. Mitt. f. den Wirt-berater.* 119:3-6. July 15, 1964. 281.8 B462
- 108096 HENDRY, G. F. Bank advances to Scottish ag-riculture. *Scot. Dep. Agr. Fish. Scot. Agr.* *Econ.* 14:267-268. 1964. 281.9 Sco3S
- 108097 HOLCOMB, J. M., and SCHWART, R. B. Using agricultural credit. *Ill. U. Agr. Ext. C.* 890, 16 p. July 1964. 275.29 IL62C
- 108098 HOLDAR, A. New regulations concerning loans for the purchase and operation of farms. (Sw) *Sveriges Jordbrkassseförbund. Jordbrkassse-orelsen.* 23(5):171-172, 190-191. 1963. 284.29 Sv2
- 108099 HOWALD, O. Credit requirements, indebted-ness, and financial burden of farms. (Ge) *Agrarpolit. Rev.* 20(6):223-235. Feb. 1964. 281.8 Ag824
- 108100 LANDWIRTSCHAFTLICHE RENTENBANK, FRANKFURT AM MAIN. Geschäftsbericht [Fi-nancial report], 15, 1963. Frankfurt am Main, 1964. 40 p. 284.29 L235
- 108101 LINDBERG, J. Basic credit—a new type of credit for Finland's agriculture. (Sw) *Sveriges Jordbrkassseförbund. Jordbrkassseorelsen.* 23 (6):229-232. 1963. 284.29 Sv2
- 108102 LUNDSTROM, N. The agricultural credit co-operatives in Holland. (Sw) *Sveriges Jord-brkassseförbund. Jordbrkassseorelsen.* 23(5): 177-182. 1963. 284.29 Sv2
- 108103 MANITOBA FARM LOANS ASSOCIATION. Report of the board for period ending March 31st, 1963. n.p., 1963. 7 p. 284.29 M31
- 108104 NAIDU, V. T. Risk and uncertainty in agricul-ture in relation to credit. *Indian J. Agr. Econ.* 19(1):129-132. Jan./Mar. 1964. 281.8 In2
- 108105 NORMAN, E. M. Facing up to today's country bank problems. *Burroughs Clearing House* 48 (11):40-41, 94-96. Aug. 1964. 284.8 B94
- 108106 NORWAY. STATISTISK SENTRALBYRA. Kre-dittmarkedstatistikk, 1962. Credit market sta-tistics. Oslo, 1964. 201 p. (Norges Offisielle Statistikk XII 137) 257.2 St2KR  
Table of contents also in English.  
Includes farm credit.
- 108107 OMAHA BANK FOR COOPERATIVES. Annual report to board of directors June 30, 1964. Omaha, 1964. 21 p. 284.29 Om1
- 108108 PHAM-DINH-NGOC. Credit for rice production in Vietnam. (Fr) *Banque. Natl. du Viet-Nam. B. Econ.* 10(1/2):9-12. Jan./Feb. 1964. 280.9 B2296
- 108109 POU, J. W. Agricultural financing is bankers' business. *Natl. Agr. Chem. Assoc. News & Pesticide Rev.* 22(2):6-7. Dec. 1963. 421 Ag8
- 108110 RYDEN, H. The Reserve Bank of India. (Sw) *Sveriges Jordbrkassseförbund. Jordbrkassseorel-sen.* 23(5):191-194. 1963. 284.29 Sv2  
Chiefly on farm credit in India.
- 108111 SAMBERGS, A. The agricultural credit market 1961-62. (Sw) *Sveriges Jordbrkassseförbund. Jordbrkassseorelsen* 23(5):183-189. 1963. 284.29 Sv2
- 108112 SARGENT, R. L., DAVIDSON, J. R., and JONES, L. A. Availability of rural housing credit in Montana. *Mont. Agr. Expt. Sta. B.* 586, 44 p., map. June 1964. 100 M76  
U. S. Dept. of Agriculture, cooperating.
- 108113 SAUNDERS, A. D. Financing Alaska's farms. *Alaska. Agr. Expt. Sta. B.* 35, 31 p. May 1964. 100 AL122B  
U. S. Dept. of Agriculture, cooperating.  
Credit.



- 108114 SCHLENCK, G. The position of the Raiffeisen bank in tourism. (Ge) Landwirt. Genossenschaftsfragen. 11:51-60. 1963. 280.28 L232
- 108115 SCHMIDT-SAGODY, L. Active self-help exemplary in horticulture. (Ge) Raiffeisen-Rundschau 16(3):99-100. 1964. 284.28 R132  
Guaranteed credit.
- 108116 STEWART, D. Outlines for farm credit officers. Banking 57(2):82,84. Aug.1964. 284.8 Am3
- 108117 STURGILL, P. B. How well does your money work? Livestock Breeder J. 7(7):110-113. July 1964. 49 L758  
Beef cattle loan policies in Kentucky.
- 108118 U. S. COMMODITY CREDIT CORPORATION. Report of the president, 1963. Washington, 1964. 34 p. 1 C731
- 108119 U. S. FARM CREDIT ADMIN. Federal landbank association; report to the federal land bank associations for 1963. Washington, 1964. 12 p. 166.2 R292
- 108120 U. S. FARM CREDIT ADMIN. Summary of 1962 general counsel conference. Washington, 1963. 54 p. 1.955 A2D56
- 108121 U. S. FARMERS HOME ADMIN. Real estate loan allotments and obligations 1964 fiscal year through August 31, 1963. Washington, 1964. 21 p. A284.29 F2232
- 108122 VELASQUEZ F, D. The influence of credit in small-scale, medium-size and large-scale farming. (Sp) Cafe Peruano 15:10-13. (Cont.) Jan.1964. 68.28 C118
- 108123 WILLIAMS, D. Rural housing credit in Missouri. Agr. Finance Rev. 25:52-54. Aug.1964. 1.9 Ec78Af
- 108124 YEAGER, J. H. Credit for farm and home. Highlights Agr. Res. [Ala. Sta.] 11(3):10. Fall 1964. 100 AL1H  
Mortgage and consumer.
- Income
- 108125 GABIDULLIN, V. M., and PRONIN, A. A. Dokhody kolkhozov i ikh ispol'zovanie [Income of collective farms and its use]. Moskva, Izdatel'stvo Ekonomicheskoi Literatury, 1963. 108 p. 284 G11
- 108126 KAWAKAMI, Y. Farm income after two years. (Ja) Nogyo to Keizai 29(12):23-27. Dec.1963. 281.8 N682
- 108127 MILLER, J. M. Some local economic tips. Ruakura Farmers' Conf. Week. Proc. 1963:139-146. 49.9 R82  
Income aspects.
- Insurance
- 108128 BECKERICH, A. The supplementary pension of agricultural wage earners. (Fr) Agr. Prat. 128(5):12-14. May 1964. 14 J82
- 108129 BJERKE, H. M. Social security—am I eligible. Hoard's Dairyman 109(15):850-851. Aug.10, 1964. 44.8 H65
- 108130 CARMODY, L. J. Provident fund for rural workers. Massey Agr. Col. Sheepfarming Annu. 1963:197-210. 45.8 M38S  
New Zealand.
- 108131 COCHETTI, A. Religious dedicated to rural and insurance protection. (It) Previdenza Sociale nell'Agr. 14(6):449-455. Nov./Dec. 1963. 281.8 P92
- 108132 GATTA, C. Social security in agriculture in 1963: budget and prospects. (It) Previdenza Sociale nell'Agr. 14(6):11-21. Jan./Apr.1964. 281.8 P92  
English summary.
- 108133 HELLER, L. An insurance basket for farmers. (Ge) Ausbild. u. Beratung in Land- u. Hauswirt. 17(6):136-137. June 1964. 18 N11
- 108134 ITALY SERV. CONTRIBUTI AGRICOLI UNIFICATI. Le risultanze degli elenchi nominativi e dell'assicurazione contro la disoccupazione nell'anno 1962 [Results of the nominative lists and of unemployment insurance in the year 1962]. Previdenza Sociale nell'Agr. 14(6,sup.),130 p. Nov./Dec.1963. 281.8 P92  
English summary.  
Statistical.
- 108135 KEAST, J. D. Coinsurance—important fine print in your farm property policies. Doane's 27(14):24-25. May 8,1964. 281.9 D652
- 108136 KRAUSE, K. R., SNYDER, J. C., and ATKINSON, J. H. Selected financial management guides for specialized farm mutual insurance companies. Ind. Agr. Expt. Sta. Res. B. 776, 16 p. May 1964. 100 Im2P  
Illinois and Indiana.
- 108137 LIEDERMANN, H. The liability of neighbors for damage to crops in weed spraying and its covering through compulsory liability insurance. (Ge) Forderungsdienst 12(6):185-189. June 1964. 19 F75  
Austria.
- 108138 LUK'YANOVA, V. Social security of collective farmers. (Rus) Ekon. Sel'sk. Khoz. 4:78-82. Apr.1964. 281.8 So73
- 108139 MAURO, T. Religious associations which dedicate themselves to land cultivation and the law dated October 26, 1957, No. 1047. (It) Previdenza Sociale nell'Agr. 14(5):333-339. Sept./Oct.1963. 281.8 P92  
English summary, p.325.  
Social security.
- 108140 PALERMO, A. Administrative procedure in accident insurance. (It) Giurisprudenza Agr. Ital. 9(11):551-558. Nov.1962. 16 G44
- 108141 PASQUINI, M. Family allowances and self-employed workers. (It) Previdenza Sociale nell'Agr. 14(5):340-344. Sept./Oct.1963. 281.8 P92  
English summary, p.325.  
Social security.
- 108142 PHILIPSON, C. Studies relative to crop insurance. (Fr) Biometrie-Praximetrie 3(2/3):141-162. June/Sept.1962. 442.8 B5295  
Statistical research methods.
- 108143 PIGA, F. Metayers, tenant farmers, and small tenant farmers: social security contributions and benefits. (It) Previdenza Sociale nell'Agr. 14(5):329-332. Sept./Oct.1963. 281.8 P92  
English summary, p.324.
- 108144 REAM, D. L. Agricultural workers and workmen's compensation. Washington, 1964. 19 p. (U.S. Bureau of Labor Standards Bulletin 206, rev.) 158.59 Ag82
- 108145 RIVOCCHI, I. Problems of the law No. 9, January 9, 1963: Is the request for tax reductions still alive? (It) Previdenza Sociale nell'Agr. 15(1/2):40-43. Jan./Apr.1964. 281.8 P92  
English summary, p.6.  
Social security.
- 108146 ROGERS, P. P. Soviet agricultural insurance. Agr. Finance Rev. 25:1-12. Ref. Aug.1964. 1.9 Ec78Af
- 108147 SANDQVIST, E. The first three years of protection against damage to the harvest. (Sw) Jordbrekon. Meddel. 26(4):97-103. Apr.1964. 257.3 J76  
English summary, p.96.
- 108148 STEWART, S. A. Insurance problems facing the aerial applicator. 2. Duster USA 4(6):7,12. Apr.1964. 333.8 D94  
Hull insurance.
- 108149 TAUCHER, E. "Family advisory work"—a command of the hour. (Ge) Agros [Hannover] 9(7):16-18. July 1964. 18 Ag83  
Insurance.
- 108150 UNION DES CAISSES CENTRALES DE LA MUTUALITE AGRICOLE (FRANCE). Les assurances sociales en agriculture; statistiques 1962 [Social insurance in agriculture; statistics 1962]. Paris, 1963. 143 p.,map. 284.69 Un3
- 108151 U. S. FEDERAL CROP INSURANCE CORPORATION. Annual report, 1963. Washington, 1964. 50 p.,map. 1.952 R292
- 108152 ZAPPAROLI, R. Aged workers and agricultural social security. (It) Previdenza Sociale nell'Agr. 14(5):345-352. Sept./Oct.1963. 281.8 P92  
English summary, p.325.
- 108153 ZAPPAROLI, R., and MASTRANDREA, F. Family allowances to rural workers absent from work for illness of accident. (It) Previdenza Sociale nell'Agr. 15(1/2):34-39. Jan./Apr.1964. 281.8 P92  
English summary, p.6.



Taxation

- 108154 FOSTER, J. H. Farm real estate tax assessment in nine Massachusetts towns. Mass. Agr. Expt. Sta. B. 545, 15 p. June 1964. 100 M38H
- 108155 FRUHWALD, K., and WITTMANN, R. Steuerbefreiungen und Steuerermassigungen der Umsatzsteuer, Grundsteuer, Abgaben von land- und forstwirtschaftlichen Betrieben und Bodenwertabgabe von A-Z [Tax exemption, tax abatement, land tax, tax on agricultural and forest holdings, and land value tax from A-Z]. Wien, Weiss, 1963. 156 p. (Der Steuerzahler) 284.5 F94
- 108156 FUEKI, A. The increase in the estimate value of real property tax in the agricultural areas and agricultural operations. (Ja) Nogyo to Keizai 30(1):67-74. Jan. 1964. 281.8 N682
- 108157 HARLAND, H. Taxation without Schedule A. Gt. Brit. Min. Agr. Fisheries & Food. Agr. 71 (6):286-288. June 1964. 10 G79J  
Great Britain.
- 108158 HENDERSON, D. W. Lets repeal excise tax on furs. Amer. Fur Breeder 37(7):12-13, 31. July 1964. 410 Am33
- 108159 INGUNZA S, M. A. Liberation of taxes for the Selva. (Sp) Cafe Peruano 16:16-17. Feb. 1964. 68.28 C118  
Includes agricultural taxation.
- 108160 MAKI, A. Farm taxation in Finland. (Sw) Nord. Lantbrekon. Tidskr. 14(2):53-57. 1964. 281.8 N75  
Income tax.
- 108161 ROBINSON, T. S. Taxation and the farmer. Ruakura Farmers' Conf. Week. Proc. 1963:147-158. 49.9 R82  
Includes discussion.
- 108162 SCHRODER, K. Deferment of tax payments. (Ge) Champignon 3(24):13-14. Aug. 1963. 80 C352  
Granted under certain hardship conditions in Germany.
- 108163 STRAIGER, W. B. Impact of property tax on agriculture. Calif. Cattleman 47(7):14-15. July 1964. 43.8 C12  
Land.
- 108164 WALKER, W. P., and GARDNER, W. D. Assessing farm land under Maryland's use value assessment law. Md. Agr. Expt. Sta. Misc. P. 522, 27 p. June 1964. 100 M36M  
U. S. Department of Agriculture, cooperating.
- 108165 WHALEN, C. E., and LEMON, L. G. Minimize taxes through investment credit. Feedlot 6(9):66, 68. Sept. 1964. 43.8 F32  
Beef cattle feeding.
- 108171 CURLEE, D. Another migration of farm workers? Economist says it's possible if bracero program ends; urges local planning now! West. Fruit Grower 17(8):5-7. Aug. 1963. 95.8 G762  
California.
- 108172 DIMEN, I. Material incentives in the service of socialist development of agriculture. (Rus) Kommunist 11:115-130. July 1964. 280.8 B633  
In Hungary.
- 108173 DOWN, K. J. Is it possible to increase your labour efficiency? Queensland Agr. J. 90(7):398-400. July 1964. 23 Q33
- 108174 DUNN, J. M. Earnings and employment of Scottish farm workers. Scot. Dep. Agr. Fish. Scot. Agr. Econ. 14:260-266. 1964. 281.9 Sco3S
- 108175 EDELHOFF, H. A million farmers too many—a million unemployed? (Ge) Wiss.-Tech. Fortschr. f. die Landwirt. 5(5):194. May 1964. 18 W763  
West Germany.
- 108176 FORMANEK, B. A few results of the payment of cooperative farm laborers in money. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:32-34. 1964. 20 M57  
Czechoslovakia.
- 108177 FULDA, E. Where is the road leading? (Ge) Lohnunternehmen in Land- u. Forstwirtschaft. 19(6):142, 144. June 15, 1964. 58.8 D81  
Mechanization and how it effects contract labor.
- 108178 GAMBOA JAIMES, J. Shortage of labor in the coffee zone. (Sp) Agr. Trop. 20(1):15-16. Jan. 1964. 26 Ag8
- 108179 GAPONENKO, G. Material incentives as one of basic conditions of expansion of agriculture. (Rus) Voprosy Ekon. 5:3-11. May 1964. 280.8 V89
- 108180 GENCHIN, I. Wages in farming cooperatives. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:26-29. 1964. 20 M57
- 108181 GRUND, H. The requirements of the present state of development of production conditions on labor organization on socialist farms. (Ge) Z. f. Agrarikon. 7(5):130-133. 1964. 281.8 Z3
- 108182 HAUSER, A. Festivals and working days of the Zurich farmer in the course of time. (Ge) Agrarpolit. Rev. 20(6):248-256. Feb. 1964. 281.8 Ag824
- 108183 INDIAN STATISTICAL INSTITUTE. Tables with notes on employment and unemployment in urban areas. India. Sec. Natl. Sample Survey 85, 246 p. 1964. 269.5 Ec73  
Directorate of the National Sample Survey, cooperating.  
Fourteenth round: July 1958-June 1959.  
Includes statistics for agricultural labor.
- 108184 JACKSON, H. How job evaluation can help you. Broiler Business 15(4):56-58. Apr. 1964. 47.8 B782  
Labor in broiler production.
- 108185 JAIPURIA, S. The problem of wage disparities in Indian industries. Indian Sugar [Calcutta] 14(2):77-78. May 1964. 65.8 In26
- 108186 JELINEK, A. System of income distribution on LPG. (Cz) Ekon. Zemedel. 2(12):359-361. Dec. 1963. 281.8 Ek7
- 108187 JOHNSON, A. C. Research in the area of beginning career patterns of college graduates. (Sum.) Joint Comm. Training Government Serv. Ass. Land-Grant Coll. Univ. U. S. Dep. Agr. Rep., Apr. 1963:26-27. 249.39 L22
- 108188 KASSIROV, L. Problems of material incentives in collective farms. (Rus) Voprosy Ekon. 6:53-63. June 1964. 280.8 V89
- 108189 KHLEBOV, G. Payment ought to be by work performed. (Rus) Sel'sk. Khoz. Kazakhstana 4:18-19. 1964. 20 K185  
Farm laborers.
- 108190 KIREEV, A. Wide application of technical rating of labor. (Rus) Tekh. v Sel'sk. Khoz. 6:60-61. June 1964. 58.8 M11
- 108191 KOPNICK, W. Results of research on problems of equipment use and forms of labor organization on type III LPG of the Rostock, Schwerin, and Neubrandenburg districts in the year 1963. (Ge) Z. f. Agrarikon 7(6):175-180. Ref. 1964. 281.8 Z3

AGRICULTURAL LABOR AND WAGES

- 108166 AMANDURDYEV, K. Possibilities of increase of labor productivity on cotton raising collective farms of the Northern Turkmenistan. (Rus) Kolkhoz.-Sovkhoz. Proizvodstvo Turkmenistana 11:21-24. Nov. 1963. 20 Se4982  
Includes costs and returns.
- 108167 BOROVSKII, V. Organization of labor on irrigated lands. (Rus) Ekon. Sel'sk. Khoz. 4:74-77. Apr. 1964. 281.8 So73
- 108168 CHERNYAVSKII, A. F. Problems of increasing labor productivity. (Rus) Sadovodstvo 6:10-11. June 1964. 80 Sa13  
Related to the profitability of grape varieties.
- 108169 CHUNG KUNG NAN P'ING TI WEI PAN KUNG SHIH T'IAO CH'IA TSU. The work of the basic level cadre and the model labor unit. (Ch) Fu-Chien Nung Yeh Fujian Nongye 2/3:10-11. Feb. 1963. 22.5 F958
- 108170 CONVENTION collective du 24 juillet 1963 relative aux conditions de travail et de remunerations des salaries des exploitations de polyculture et d'elevage du Departement de l'Eure [Collective agreement of July 24, 1963, relative to conditions of labor and wages on diversified farms of the Department of Eure]. Eure Agr. 851(sup.), 47 p. 1963. 14 Eu7



- 108192 KRAUSE, O., and others. The labor force situation in agriculture and methods of solving the labor problem on farms with small labor supply. (Ge) Z. f. Agrarikon. 7(7):203-210. 1964. 281.8 Z3  
L. Lohrke, A. Meuer, and H. G. Ewert, joint authors.
- 108193 LANGE, M. Changes in the social-economic position of the West German agricultural workers. (Ge) Deut. Landwirt. 15(6):268-270. June 1964. 18 D4822
- 108194 MACGILLIVRAY, J. H., and others. Labor output as affected by yield. Calif. U. Col. Agr. Dept. Veg. Crops. Veg. Crops Ser. 132,5 p. Feb. 1964. 81 C1255  
R. W. Scheuerman, A. G. Gentile, O. D. McCoy, C. B. Atlee, and R. H. Sciaroni, joint authors.
- 108195 MCMURTRY, G. Unemployment and the war on poverty. Va. Polytech. Inst. Agr. Ext. Va. Farm Econ. 185:3-5. May/June 1964. 275.29 V813
- 108196 MERKULOV, V. Correct wages of shepherds. (Rus) Sel'sk. Khoz. Kazakhstana 4:58-60. 1964. 20 K185  
Sheep.
- 108197 MININ, M., and POPOV, N. Ways to improve remuneration of managerial staff and specialists of state farms. (Rus) Voprosy Ekon. 6: 147-152. June 1964. 280.8 V89
- 108198 MITCHELL, P. T. Agricultural science and private employment; presidential address. New Zeal. Inst. Agr. Sci. Proc. 9:2-10. 1963. 23 N489P
- 108199 PITERI, A. D. The statute of the rural worker; problems of application and probable social-economic consequences. (Por) Agr. em Sao Paulo 11(1/2):1-16. Jan./Feb. 1964. 9.2 Ag823
- 108200 POSSART, W. Experiences with temporary mechanized labor groups and specialized production brigades in the field system of the VEG Klochow, Prenzlau district. (Ge) Z. f. Agrarikon. 7(5):138-141. 1964. 281.8 Z3
- 108201 PROKOF'EV, S. D. Labor productivity in berry orchards. (Rus) Sadovodstvo 7:13-14. July 1964. 80 Sa13
- 108202 RAJANI, G. The self-employed operator in the regulations of the countries of the European Common Market. (It) Previdenza Sociale nell'Agr. 14(6):460-464. Nov./Dec. 1963. 281.8 P92  
English summary.
- 108203 RUDIGER, C., and LOBER, H. On the problem of regulation shepherding. (Ge) Tierzucht 18 (3):142-146. Mar. 1964. 49 T443
- 108204 SARTOR, J. 4-H career exploration for agents. Miss. State U. Agr. Ext. P. 503,10 p. Ref. Feb. 1964. 275.29 M68Ext
- 108205 SARTOR, J. 4-H career exploration for leaders. Miss. State U. Agr. Ext. P. 502,24 p. Ref. Feb. 1964. 275.29 M68Ext
- 108206 SARTOR, J. 4-H career exploration for members. Miss. State U. Agr. Ext. P. 501,24 p. Feb. 1964. 275.29 M68Ext
- 108207 SCHELLER, G. Determination of labor economic data based on a simplified cost estimation. (Ge) Agrarwirtschaft 13(7):217-223. July 1964. 281.8 Ag826  
English summary.
- 108208 SCHWEIZERISCHE VEREINIGUNG FUER FREIWILLIGEN LAND- UND ARBEITSDIENST. Jahresbericht [Annual report], 1963. Zurich, 1964. 20 p. 283.9 Sch9
- 108209 SHEIKO, P. Mechanized shepherd brigades for Turgai steppe. (Rus) Sel'sk. Khoz. Kazakhstana 4:57. 1964. 20 K185  
Sheep.
- 108210 SHENG WEI NUNG TS'UN KUNG TSO PU T'IAO CH'A TSU. A survey of the labor management of the Ch'en-mi-kuan work brigade. (Ch) Fu-Chien Nung Yeh Fujian Nongye 2/3:47-48. Feb. 1963. 22.5 F958
- 108211 STOHR, W. Labor-saving effects of chemical weed control in sugar beets. (Ge) Mitt. der Deut. Landwirt.-Gesell. 78(50):1580-1582. Dec. 12, 1963. 18 N39
- 108212 SWAMINATHAN, D., and JAIN, S. P. Recommendations of Bonus Commission; their impact on sugar industry. Indian Sugar [Calcutta] 14 (2):175-177. May 1964. 65.8 In26
- 108213 THORPE, G. B., and O'CONNELL, N. A. Some provisional standards of labour and tractor use in crop production. Rhodesia Agr. J. 61(3):44-45,52. May/June 1964. 24 R34
- 108214 UPCHURCH, M. L. The need for economic development in rural areas. (Sum.) Joint Comm. Training Government Serv. Ass. Land-Grant Coll. Univ. U. S. Dep. Agr. Rep., Apr. 1963:44-45. 249.39 L22  
Employment and training.
- 108215 VAROSYAN, A. L. Specialized crews in collective farms. (Rus) Sadovodstvo 7:14-15. July 1964. 80 Sa13  
Labor effectiveness in fruit culture.
- 108216 VENTURI, P. 235 billion allocated for agricultural unemployment while in the country they don't accomplish the work for lack of labor. (It) Rass. dell'Agr. Ital. 19(4):35. Apr. 1964. 281.8 R18
- 108217 WALLENTA, W. The influence of some natural and economic factors on the forms of labor organization on collectives of the Ukrainian Soviet Socialist Republic. (Ge) Z. f. Agrarikon. 7(5):141-144. 1964. 281.8 Z3
- 108218 WANG, W. T. How shall the production team calculate the division of work. (Ch) Nongye Jishu 8:61-64. Aug. 1963. 22.5 N929
- 108219 WASMUND, S. Labor economy with laying hens. (Ge) Landarbeit 15:53-55. July 1964. 18 L2355
- 108220 YAMADA, M. Laws for poultry farmers. 1-2. (Ja) Keiyu 3:194-198; 5:200-205. Mar., May 1964. 47.8 K26  
1, Labor; 2, Finance.
- 108221 ZASON, Z. New system of payment for laborers of state farms. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:29-31. 1964. 20 M57  
Poland.
- 108222 ZHAMISHEV, B. Improvement of the system of wages in state farms. (Rus) Ekon. Sel'sk. Khoz. 4:102-104. Apr. 1964. 281.8 So73

#### AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

- 108223 ANDAL, M. E. International agricultural outlook. Saskatchewan. U. Farm & Home Week. Addresses & Proc. 1964:65-68,70-71. 101 Sa72
- 108224 ANDERSEN, H. V. Legislation and agriculture 1963-64. (Da) Tidsskr. f. Landkon. 6:307-317. June/July 1964. 11 T43
- 108225 ANDERSEN, H. V. Long term agricultural policy. (Da) Dansk Landbr. 83(7):199-201. July 1964. 280.28 V91
- 108226 ARIZONA. UNIVERSITY. AGRICULTURAL EXTENSION SERV. Arizona agriculture, 1964. Ariz. U. Agr. Ext. B. A-31,27 p. Jan. 1964. 275.29 Ar42Bu  
Arizona Agricultural Experiment Station, co-operating.
- 108227 AUSTRIA. BUNDESPRESSEDIENST. Osterreichisches Jahrbuch 1963, funfundreissigste Folge [Austrian yearbook 1963, thirty-fifth edition]. Wien, 1964. 742 p. 266 Au72A  
Contains a chapter on agriculture.
- 108228 BAKER, J. A. Address at the annual convention of the Arkansas Farmers Union, Little Rock, Arkansas, August 11, 1964. Washington, U. S. D. A. Off. Sec., 1964. 11 p. A281.29 B17  
Agricultural outlook.
- 108229 BANDINI, M. The trends of development of agriculture today. (It) Agricoltura 13(4):35-44. Apr. 1964. 16 Ag8226
- 108230 BANQUE NATIONALE POUR LE COMMERCE ET L'INDUSTRIE, PARIS. L'Espagne [Spain]. Banque Natl. pour le Com. et l'Indus. B. d'Inform. Econ. 103,31 p., map. Apr. 1964. 280.9 B2223  
Includes brief description of agriculture.
- 108231 BATTISTELLI, E. Programming in agriculture. (It) Cron. Econ. 258:14-15. June 1964. 280.8 C882



- 108232 BAVARIA. STATISTISCHES LANDESAMT. Landkreis Sonthofen [Provincial district Sonthofen]. Bayern in Zahlen 18(7),16 p.,map. July 1964. 265 B34  
Includes agriculture.
- 108233 BERTIN-ROULLEAU, J. The common Market: the road traversed. (Fr) Rev. de la Conserve 19(3):45-46,48. Apr./May 1964. 389.8 R326  
Includes the common agricultural policy.
- 108234 BODDEZ, G., PEVENAGE, G., and VERTESSEN, J. Programmation de l'agriculture et de l'horticulure belge jusqu'en 1970; analyse preparatoire du nombre, de la superficie cultivee et de la population active, 1950-1970 [Programming of Belgian agriculture and horticulture up to 1970; preparatory analysis of number, cultivated area, and active population, 1950-1970]. Brussels. Inst. Econ. Agr. Cahiers I.E.A. 10(R-2),71 p.,map. Nov.1963. 281.9 B832
- 108235 BONADONNA, T. The ten-year plan of agricultural and social development of the Sudan. (It) Agricoltura 13(2):77-82. Feb.1964. 16 Ag8226
- 108236 BRANDSCH. Struktur- und Entwicklungsmöglichkeiten der landwirtschaftlichen Betriebe im Landkreis Wesermünde [Structural and developmental possibilities of agricultural holdings in the district of Wesermünde]. Agrarsoz. Gesell. Matersamml. 27,170 p.,map. May 1963. 281.9 Ag826M
- 108237 BRITTON, D. K. The changing face of farming in Europe. Span 7(2):60-63. 1964. 464.8 Sp2  
Includes size and consolidation of holdings.
- 108238 CANADA. PRAIRIE FARM REHABILITATION ADMIN. Annual report, prairie farm rehabilitation and related activities, 1962-1963. n.p., 1963. 70 p.,map. 281.13 C164
- 108239 CAPONI, U. Modern technical means for the increase of agricultural productivity. (It) Agricoltura 13(5):59-71,map. May 1964. 16 Ag8226
- 108240 CASTELLANO, P. The failure of Russian communism in management of the land. (Sp) Confed. de Cam. Nac. de Com. Carta Semanal 28 (1361):7,15. Dec.28,1963. 286.8 C76
- 108241 CEYLON. DEPT. OF CENSUS AND STATISTICS. Ceylon year book 1962. Colombo, 1963. 308 p. 272 C336  
Contains chapters on agriculture and trade.
- 108242 CHATTERJI, A., and MAITREYA, P. Some aspects of regional variations in agricultural productivity and development in West Bengal. Indian J. Agr. Econ. 19(1):207-212. Jan./Mar. 1964. 281.8 In2
- 108243 CH'EN. A preliminary study on the Fukien tillage system. (Ch) Fu-Chien Nung Yeh Fujian Nongye 2/3:12-19. Ref. Feb.1963. 22.5 F958  
Agriculture in Fukien.
- 108244 CHOU, L. S. On the formation, evolution and the internal structure of agricultural regions and the system of their demarcation. (Ch) Acta Geog. Sinica 30(1):14-24,map. Ref. Mar.1964. 331.8 T45  
Russian summary.
- 108245 CLAVADETSCHER, W. The Swiss way. (Ge) Agrarpolit. Rev. 20(10):405-422. June 1964. 281.8 Ag824  
Agricultural policy.
- 108246 COFFEY, W. G. A bibliography of the Hunter Valley region, New South Wales. Hunter Val. Res. Found. Monog. 19,84 p. 1964. 56.9 H91  
Includes agriculture.
- 108247 CONSTANDE, A. K. Boer en toekomstbeeld. Farmers and the image of the future. Wageningen. Landbhogesch. Afd. Social. en Sociografie. B. 24,79 p. 1964. 280.9 W12  
English summary.
- 108248 CUMBERLAND, K. B. Facing the future. Ruakura Farmers' Conf. Week. Proc. 1963:83-98. 49.9 R82  
Includes discussion.
- 108249 CUNEO. CAMERA DI COMMERCIO. AZIENDA AUTONOMA STUDI ED ASSISTENZE ALLA MONTAGNA. Activities in 1963. (It) Cuneo. Cam. di Com. Indus. e Agr. Not. Cam. 19(13):353-358. July 15,1964. 287 C91
- 108250 DALISAY, A. M. Higher production and income in the rural communities. Sugar News [Manila] 40(6,sup.):324,326,328-330. June 1964. 65.8 Su36
- 108251 DENCH, F. Q., OSTLER, J. R., and BROWN, L. G. ARDA [Agricultural Rehabilitation and Development Act] in several countries. Ontario. Dep. Agr. Ext. Br. Rep. Annu. Conf. 1963:51-55. 7 On82
- 108252 DHONDYAL, S. P. Regional variations in agricultural development and productivity in U.P. Indian J. Agr. Econ. 19(1):198-202. Jan./Mar. 1964. 281.8 In2
- 108253 DU DOUET DE GRAVILLE, G. Protection of agriculture or professional organization and discipline. (Fr) B. d'Inform. de la Mutual. Agr. 137:4742-4770. June 1964. 284.68 B87
- 108254 ERTL, J. Was the previous way right? (Ge) Agrarpolit. Rundbrief 2:3-4. Feb.1964. 281.8 Ag834  
Agricultural situation and policy according to the Green Report.
- 108255 FERRARI-AGGRADI. New trends of agricultural policy in the provisions of the Government. (It) Agricoltura 13(2):19-21. Feb.1964. 16 Ag8226
- 108256 FERRARI-AGGRADI, M. Agrarian laws, a selection of progress. (It) Agricoltura 13(5):19-26. May 1964. 16 Ag8226
- 108257 FITZGERALD, D. A. Foreign assistance programs. U. S. D. A. Ybk. Agr. 1964:495-508. 1 Ag84Y  
Food and technical assistance.
- 108258 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. FAO commodity review 1964. Rome, 1964. 141 p. 286.9 F73F  
Includes the developments in world agricultural production and trade.
- 108259 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. National development efforts. Freedom Hunger Campaign. Basic Study 13,67 p. May 1963. 389 F872  
Contains a section on agriculture.
- 108260 FOWKE, V. C. Agricultural policy and economic growth. Agr. Inst. Rev. 19(3):13-17. May/June 1964. 7 Ag8
- 108261 FREEMAN, O. L. Address at annual meeting of Scott-New Madrid-Mississippi Rural Electric Cooperative, Sikeston, Missouri, June 26, 1964. Washington, U. S. D. A., Off. Sec., 1964. 12 p. A31.3 F87  
Agricultural outlook; includes recreational land use.
- 108262 FREEMAN, O. L. Address at 11th National Watershed Congress, Little Rock, Arkansas, April 28, 1964. Washington, U. S. D. A., Off. Sec., 1964. 12 p. A31.3 F87  
Agricultural policies and programs.
- 108263 FREEMAN, O. L. Address at Jackson's Mill, West Virginia, July 20, 1964. Washington, U. S. D. A., Off. Sec., 1964. 12 p. A31.3 F87  
Policies and programs.
- 108264 FREEMAN, O. L. American and world agriculture. U. S. D. A. Ybk. Agr. 1964:v-vi. 1 Ag84Y
- 108265 FREEMAN, O. L. New Year's message, Washington, D. C., Dec. 31, 1963. Washington, U. S. D. A., Off. Sec., 1964. 3 p. A31.3 F87  
Agricultural outlook.
- 108266 FREEMAN, O. L. Why rural America is on the upswing. Amer. Drug. 149(9):77-78. Apr.27, 1964. 396.8 Am32  
Rural Areas Development Program.
- 108267 GALAMINI, K. Persistence in wishing to carry out structural reforms that because of their enormous cost aggravate the present fearful crisis of our country. (It) Rass. dell'Agr. Ital. 19(5):13-14. May 1964. 281.8 R18  
Agricultural policy.
- 108268 GARG, J. S. Variation studies in the agricultural development and productivity in the eastern & western regions of Uttar Pradesh. Indian J. Agr. Econ. 19(1):193-197. Jan./Mar. 1964. 281.8 In2
- 108269 GERL, F. Agriculture is doing better; results of the 1964 Green Report. (Ge) Raiffeisen-Rundschau 16(3):79-82. 1964. 284.28 R132



- 108270 GOPALAKRISHNAN, M. D., and RAO, T. R. Regional variations in agricultural productivity in Andhra Pradesh. *Indian J. Agr. Econ.* 19(1): 227-236. Jan./Mar. 1964. 281.8 In2
- 108271 HALIBURTON, E. D. The determinants. *Agr. Inst. Rev.* 19(4):19-26. July/Aug. 1964. 7 Ag8  
Agricultural outlook in eastern Canada.  
Includes discussion by A. C. Parks.
- 108272 HARSANY, P. Adjustments and economic planning in Canadian agriculture. Montreal, Acad. Pub., 1964. 116 p. Ref. 281.13 H25
- 108273 HEADY, E. O., and EGBERT, A. C. Regional programming of efficient agricultural production patterns. *Econometrica* 32(3):374-386, map. July 1964. 280.8 Ec78
- 108274 HEARNE, C. C., HARVEY, W. E., and NICHOLS, A. J. Sharing our knowledge. U. S. D. A. Ybk. Agr. 1964:518-522. 1 Ag84Y  
Agricultural technical assistance.
- 108275 HERRING, J. The protection of agriculture in the E. E. C. II. (Du) *Econ.-Statis. Ber.* 49 (2450):672-675. July 29, 1964. 280.8 Ec722
- 108276 INTER-AMERICAN INSTITUTE OF AGRICULTURAL SCIENCES. ORTON MEMORIAL LIBRARY. Colección de referencia de la Biblioteca Conmemorativa Orton [Reference collection of the Orton Memorial Library]. Inter-Amer. Inst. Agr. Sci. Orton Mem. Lib. Bibl. Doc. 1, 167 p. 1964. 241 In86B
- 108277 INTER-AMERICAN INSTITUTE OF AGRICULTURAL SCIENCES. ORTON MEMORIAL LIBRARY. Publicaciones periódicas en la Biblioteca Conmemorativa Orton, una lista descriptiva [Periodicals in the Orton Memorial Library, a descriptive list]. Inter-Amer. Inst. Agr. Sci. Orton Mem. Lib. Bibl. Doc. 2, 83 p. 1964. 241 In86B
- 108278 ITO, A. The changing face of the agricultural society and the prospects for the future. (Ja) *Nogyo to Keizai* 30(2):4-9. Feb. 1964. 281.8 N682
- 108279 IVANOVIC, M. Agriculture in Yugoslavia. Yugoslavia. Fed. Chamber Foreign Trade. Com. Inform. 17(6):12-14. June 1964. 287 Y9
- 108280 IWASAKI, K. The agriculture and herding of Australia. (Ja) *Nogyo to Keizai* 29(12):46-50. Dec. 1963. 281.8 N682
- 108281 JONSSON, L. A presentation of Iceland at the general assembly of NBC [Nordens Bondeorganisationers Centralrad] in the summer of 1964. (Sw) *Nord. Lantbrekon. Tidskr.* 14(2):49-52. 1964. 281.8 N75  
Includes agriculture.
- 108282 KHRUSHCHEV, N. S. The building of communism in the USSR and the development of agriculture (the speeches and writings of N. S. Khrushchev). Volume VIII. Washington, 1964. 128 p. 280.179 K522Se  
Partial translation from *Stroitel'stvo kommunizma v SSSR i razvitie sel'skogo khozyaistva*.
- 108283 KIM, C. J. Increased material and financial assistance from the State to promote agricultural development. U. S. Joint Publications Res. Serv. Econ. Rep. N. Korea 120:9-18. Apr. 22, 1964. 173 J663Er  
Translation from *Chaejong Kumyung* 2:2-7. Feb. 1964.
- 108284 KOHN, M. English agriculture 1964. (Ge) *Agros [Hannover]* 9(7):23-24. July 1964. 18 Ag83
- 108285 LARSEN, P. H. Importance of Danish agriculture in the community. (Da) *Naesgaardsbogen* 1963:37-54. 104 N12N
- 108286 LECERF, J. The Germans and us. (Fr) *Agr. Prat.* 128(5):8-9. May 1964. 14 J82  
German agriculture.
- 108287 LOGEMANN, F. I am really disappointed. (Ge) *Agrarpolit. Rundbrief* 2:6-9. Feb. 1964. 281.8 Ag834  
Agricultural policy and situation in the Green Report.
- 108288 LUBERTINO, J. Food and agriculture in the world. (Sp) *Bolsa de Com. de Rosario. Rev.* 52 (1256):5-9. May 31, 1964. 287 R71
- 108289 LUNDGREN, B. Jordbruksproduktionens lokalisering [Localization of agricultural production]. Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 11, 16 p., map. 1963. 11 Up62A
- 108290 MAGRATH, M. T. Farming in Eastern Nigeria. *Mother Earth* 13(3):217-218. July 1964. 56.8 M85
- 108291 MALAGUTI, G. Agriculture in the E.E.C. (It) *Modena* 70(6):18-25. June 1964. 280.9 M722
- 108292 MARCUSSEN, N. R. Is agriculture in Schleswig-Holstein ready for the EEC? (Ge) *Mitt. der Deut. Landwirt.-Gesell.* 78(45):1431-1433. Nov. 7, 1963. 18 N39
- 108293 MARTSYMOV, A. Evaluation of natural and economic conditions in planning production. (Rus) *Sel'sk. Khoz. Kazakhstana* 4:18-20. 1964. 20 K185  
Farm policies and programs.
- 108294 MARZI, G. DE. Agricultural policy in the past year. (It) *Prog. Agr. [Bologna]* 10(2): 149-170. Feb. 1964. 58.8 P94
- 108295 MILDGAARD, P. Agricultural trends in the last decades. (Da) *Naesgaardsbogen* 1963:26-31. 104 N12N
- 108296 MISSOURI AGRICULTURAL EXPERIMENT STATION. Talks given at the first annual Ag Science Week, Feb. 4-7, 1964. Mo. Agr. Expt. Sta. Spec. Rpt. 37, 14 p. Apr. 1964. 100 M693Sp
- 108297 MISSOURI UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Missouri agricultural outlook, 1964. Colombia, 1964. 33 p. 275.29 M69Fo
- 108298 MONTANARI, V. Technical assistance to the agricultural entrepreneur: the criteria. (It) *Agricoltura* 13(5):39-50. May 1964. 16 Ag8226  
Includes the agricultural situation.
- 108299 MONTANER ESTEVE, J. New agricultural policy. (Sp) *Cult. Mod.* 47(3):90-91. Mar. 1964. 15 C89  
Spain in relation to the Common Market.
- 108300 MORENO DE LA COVA, F. The future of agrarian activity. (Sp) *Asoc. Nac. de Ingen. Agron. B.* 148:31-35. Feb. 1964. 58.9 As5
- 108301 MOSEMAN, A. H., and HILL, F. F. Private foundations and organizations. U. S. D. A. Ybk. Agr. 1964:523-534. 1 Ag84Y  
Technical assistance programs.
- 108302 MOSER, L. Rationalization of the agricultural-sylvicultural-pastoral purposes of the Alps. (It) *Cron. Econ.* 250:44-52. Oct. 1963. 280.8 C882
- 108303 NAESENS, W. Russian agriculture in difficulties. (Fl) *Vie Econ. et Sociale* 18(2):144-154. Apr. 1964. 280.8 Ec79
- 108304 NATIONAL FARMERS UNION. 1964-unfinished business in rural America. Denver, 1964. 8 p. 280.28 F2282
- 108305 NIKOLOV, I. Certain features of the dislocation and specialization of agricultural production in Bulgaria. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Ikonomika Selskoto Stopanstvo. Izv.* 3:5-36. Ref. 1963. 281.9 Ak12  
English summary.
- 108306 NORWAY. LANDBRUKSDEPT. Melding om offentlege landbrukstiltak i aret 1960 [Report on state aid to promote agriculture in 1960]. I. Sarpsborg, 1963. 116 p. 11 C46
- 108307 OGDON, M. Questions to be answered. U. S. D. A. Ybk. Agr. 1964:30-36. 1 Ag84Y  
World agricultural outlook.
- 108308 OTABELA, H. Rural vitality; the structure of the Plan. (Fr) *Cameroun Agr. Past. et Forest.* 76:13-17, map. May 1964. 24 C353
- 108309 PAMBUFFETTI, P. The "De re rustica" of Palladio Rutilio Tauro Emiliano. (It) *Agricoltura* 13(4):101-104. Apr. 1964. 16 Ag8226
- 108310 PELLIZZARI, C. Italy and the Common Market. (It) *Rass. dell'Agr. Ital.* 19(5):18-19. May 1964. 281.8 R18
- 108311 PETERS, C. W., and ROSENBERG, M. M. The Kasetart/Hawaii University contract—a progress report. *Hawaii Farm Sci.* 13(2):5-6. Apr. 1964. 100 H314
- 108312 PHAM-DINH-NGOC. Production of the agricultural season April 1962-March 1963. (Fr) *Banque. Natl. du Viet-Nam. B. Econ.* 9(9):7-11. Sept. 1963. 280.9 B2296
- 108313 PISANI, E. Agricultural structure in France. *FATIS Rev.* 11(2):46-48. 1964. 275.249 F26



- 108314 PISANI, E. Let us construct Europe. (Fr) Confed. Europeene de l'Agr. B. d'Inform. 11 (4):4-13. Oct./Dec.1963. 281.9 C7692B  
Problems of prices, cooperation, and market organization, structural problems including the family farm, land use, and education, and common agricultural policy.
- 108315 POLAK, J. M. The legislation of the Departement van Landbouw. (Du) Pacht 24(6):143-148. June 1964. 282.8 P11
- 108316 RACZ, A. The input-output balance in 1961. (Hu) Statis. Szemle 42(8):571-591. June 1964. 266.5 St2M  
Includes agriculture.
- 108317 RADHAKRISHNA, D. A study of regional productivities of agricultural inputs. Indian J. Agr. Econ. 19(1):237-242. Jan./Mar.1964. 281.8 In2
- 108318 REDD, C. Britain's prosperous agriculture. Natl. Wool Grower 54(8):38-39,51. Aug.1964. 45.8 N2IN
- 108319 RICHARDSON, R. W. A pattern of practical technical assistance: the Rockefeller Foundation's Mexican agricultural program. Agr. Sci. Rev. 2(1):12-20. Winter 1964. A31.3 Ag893
- 108320 RODRIGUEZ ADAME, J. La Secretaria de Agricultura y Ganaderia y su funcion en el desarrollo agropecuario nacional; conferencia [The Secretariat of Agriculture and Livestock Raising and its function in the national agricultural development;lecture]. Guanac y Fert. de Mex. B. 8(35/36,sup.),22 p. 1963. 57.9 G932
- 108321 RUAKURA FARMERS' CONFERENCE WEEK. Proceedings, Hamilton, New Zealand, 1963. Wellington, 1963. 266 p. 49.9 R82
- 108322 RUPCHAND, A. J., and VARMA, M. S. R. Agricultural progress of Madras State between 1949-50 and 1959-60—a district-wise analysis. Indian J. Agr. Econ. 19(1):220-227. Jan./Mar. 1964. 281.8 In2  
Production.
- 108323 SABATINI, V. Technical assistance to the agricultural entrepreneur: the instruments. (It) Agricoltura 13(5):51-58. May 1964. 16 Ag8226
- 108324 SANDRI, I. The trend of agricultural production in 1963. (It) Previdenza Sociale nell'Agr. 15(1/2):22-27. Jan./Apr.1964. 281.8 P92  
English summary, p.5.
- 108325 SAPRE, S. G., and DESHPANDE, V. D. Inter-district variations in agricultural efficiency in Maharashtra State. Indian J. Agr. Econ. 19(1):242-252. Jan./Mar.1964. 281.8 In2
- 108326 SASKATCHEWAN. UNIVERSITY. FARM AND HOME WEEK. Addresses and proceedings of the Canadian Seed Grower's Association Saskatchewan Branch, Saskatchewan Field Husbandry Association, Saskatchewan Agricultural Societies' Association, Saskatchewan Agricultural College Graduates' Association, January 13th to 17th, 1964, Saskatoon, Saskatchewan. Saskatoon, 1964. 88 p. 101 Sa72
- 108327 SCAPACCINO, G. Spring laughs in the air and rejoices in the fields. (It) Rass. dell'Agr. Ital. 19(4):27-29. Apr.1964. 281.8 R18  
Agricultural situation and policy.
- 108328 SCHAAFHAUSEN, I. Israel—a developing country gives development aid. (Ge) Wirtschaftsdienst 44(6):247-251. June 1964. 280.8 W74
- 108329 SCHILLING, H. Further sharpening of the concentration process in West German agriculture (results of the 1964 Green Report). (Ge) Z. f. Agrarikon. 7(5):154-160. Ref. 1964. 281.8 Z3
- 108330 SCHNITTKER, J. A. What's happening in agriculture? FATIS Rev. 11(2):49-52. 1964. 275.249 F26  
Europe and North America.
- 108331 SCHWARZ, W. German agricultural policy in relation to the European Economic Community. Irish Agr. & Creamery Rev. (n.s.)19(366):11, 13-16. June 1964. 44.8 C866
- 108332 SHARMA, P. S. A regional approach to agricultural development in India—some preliminary results. Indian J. Agr. Econ. 19(1):176-192. Jan./Mar.1964. 281.8 In2  
Agricultural potential.
- 108333 SHEPHERD, W. The living landscape of Britain. London, Faber & Faber, 1963. 208 p. 331 Sh43
- 108334 SOMERVILLE, J. M. Problems and changes in North King Country farming. Massey Agr. Col. Sheepfarming Annu. 1963:75-84. 45.9 M38S  
New Zealand.  
Includes discussion.
- 108335 STOLTE, S. C. The state of agriculture in the Comecon countries. Munich, Inst. Study USSR. B. 11(7):28-37. July 1964. 280.8 M922B
- 108336 TANNOUS, A. I. Bond with the earth. U. S. D. A. Ybk. Agr. 1964:12-22. 1 Ag84Y  
Rural life around the world.
- 108337 TERAN, M. D. Some aspects of Canary Islands. (Fr) Rev. de Geog. de Lyon 38(3):165-204,map. 1963. 473 Et8  
Includes agriculture, flora and plant ecology.
- 108338 THOMAS, E. The changing structure of the agricultural industry. Belfast, Boyd, 1963. 26 p. (George Scott Robertson Memorial Lecture 13, 1963) 32 T363
- 108339 TOSCANO, T. The second phase of agricultural policy of the E.E.C. (It) Riv. di Polit. Econ. (ser.3)54(6):944-978. June 1964. 280.8 R52
- 108340 TSITSIN, N. V. For a high agriculture. (Rus) Priroda [Moscow] 6:2-12. 1964. 410 P933  
Situation, policies and programs.
- 108341 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION COMMITTEE. MISSISSIPPI. Annual report for 1963. Jackson, 1964. 93 p. A281.9 St12
- 108342 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION COMMITTEE. WYOMING. History of Wyoming County and State ASCS offices; growth through agricultural progress. Casper, 1963. 144 p. A31.3 Ag8942
- 108343 U. S. CONGRESS. HOUSE COMMITTEE ON AGRICULTURE. Agricultural aspects of the Economic Opportunity Act of 1964. Hearing, 88th Cong., 2d sess. on title III of H.R.10440, April 27, 1964. Washington, 1964. 40 p. 281.12 Un32Aga
- 108344 U. S. DEPT. OF AGRICULTURE. Farmer's world; the yearbook of agriculture, 1964. Washington, 1964. 592 p.,map. 1 Ag84Y
- 108345 U. S. DEPT. OF AGRICULTURE. OFF. OF BUDGET AND FINANCE. Digest of agricultural legislation enacted during the 88th Congress, first session, January 9—December 30, 1963. Washington, 1964. 25 p. 1.911 A2D56
- 108346 U. S. OFF. OF TECHNICAL SERV. OTS selective bibliography. Agriculture, food, fishes, forestry. Part I: PL-480 translation program. Washington, 1964. 18 p. (Its SB530) 241 Un333
- 108347 VAN CLEEF, E. The status of Israel—and a look ahead. Mdl. East J. 18(3):306-312. Summer 1964. 280.8 M585  
Includes discussion of agricultural productivity.
- 108348 VILOSHATAN, A. P., and others. Rosiis'ko-Ukrayins'kyi sil's'kohospodars'kyi slovnyk [Russian-Ukrainian agricultural dictionary]. Kyiv, Vydavnytstvo Akademii Nauk Ukrain's'koi RSR, 1963. 438 p. 30.1 B49
- 108349 VOGEL, G. Situation of agriculture. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(27):973-974. July 2, 1964. 18 N39
- 108350 WALTER, F. Purify the Green Plan! (Ge) Agrarpolit. Rundbrief 2:10-11. Feb.1964. 281.8 Ag834
- 108351 WANG, C. Y. The agricultural resources of the Congo and a plan for improvement. (Ch) J. Agr. & Forestry 12:271-277,map. Oct.1963. 22.5 J823  
French summary.
- 108352 WEEKS, E. P. The agricultural resource base of the Atlantic region. Agr. Inst. Rev. 19(4):10-18,48. July/Aug.1964. 7 Ag8  
Canada.  
Includes discussion by R. D. Gilbert.
- 108353 WHITE, M. H. Technical assistance. Empire Cotton Growing Rev. 41(3):220-221. July 1964. 72.8 Em7



- 108354 WILSON, D. China's farming prospects. *Far East. Econ. Rev.* 45(6):234-235. Aug. 6, 1964. 280.8 F223
- 108355 YONKE, J. B. Cameroun agriculture and general considerations on the agricultural economy of the countries of the OAMCE [Organisation Africaine et Malgache de Cooperation Economique]. (Fr) *Cameroun Agr. Past. et Forest.* 71:25-41, map. Dec. 1963/Jan. 1964. 24 C353
- 108356 YORK, E. T. Operation DARE [Developing Agricultural Resources Effectively]. *Sunshine State Agr. Res. Rpt. [Fla. Sta.]* 9(3):2-4. July 1964. 100 F66Su  
Programs and situation and outlook.
- Subsidies
- 108357 FRICKE, A. Thoughts on Federal compensation and its practical execution according to §12 of the Milk and Fat Law. (Ge) *Molk.-u. Kaserei-Ztg.* 15(23):937-938. (Cont.) June 3, 1964. 44.8 M736
- COST AND STANDARD OF LIVING**
- 108358 LIGGETT, E. P. Summary of family living expenses of eighty-six Washington families. *Wash. State U. Agr. Ext. Mimeo.* 2259, rev., 9 p., map. May 1964. 275.29 W27Mi
- 108359 PARPALA, O. The working peasantry's living standards during the period between the two world wars. (Rum) *Prob. Econ. [Bucharest]* 17(6):102-117. June 1964. 280.8 P947  
English summary, p. 170.
- FARM MANAGEMENT AND LAND ECONOMICS**
- 108360 AMADO CASTILLO, D. El problema de diversificación agrícola en El Salvador [The problem of agricultural diversification in El Salvador]. *Santa Tecla. Inst. Salvadoreño de Invest. del Cafe. B. Inform. Sup.* 20, 7 p. Mar. 1964. 68.29 Sa5B
- 108361 ANTONIETTI, A. The capitalist farm. (It) *Agricoltura* 13(4):69-80, map. Apr. 1964. 16 Ag8226  
Farm operated with hired help.
- 108362 APPLICATION of achievements of science and progressive methods in all collective and state farms. (Rus) *Ekon. Sel'sk. Khoz.* 4:5-11. Apr. 1964. 281.8 So73
- 108363 AUSTRALIA AND NEW ZEALAND BANK. ECONOMICS AND STATISTICAL DEPT. Farm management clubs—their advantages to the bank branch manager. *Rur. Devlpmt.* 18:15-17. May 1964. 281.28 R888
- 108364 BABEK, Z. A further step toward specialization in the Olomous district. (Cz) *Ekon. Zeme-del.* 2(11):325-326. Nov. 1963. 281.8 Ek7
- 108365 BALDINI, S. Dimensions (and reorganization) of farms. (It) *Mondo Econ.* 19(31):13-14. Aug. 1, 1964. 280.8 M742
- 108366 BARLING, D. M. Planning a grassland farm. *I.C.A.M. [Inst. Corn Agr. Merchants] J.* 12(2):15, 17-19. Summer 1964. 10 In7
- 108367 BATTISTELLI, E. Come si dirige un'azienda agricola [How to manage a farm]. Torino, Unione Tipografico-Editrice Torinese, 1963. 75 p. 33.19 B292
- 108368 BIRGERSSON, R., GRENESTEDT, L., and TIDALA, S. Specialiserad drift vid enskilda lantbruksforetag [Specialized production on individual farms]. Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 10, 23 p. Ref. 1963. 11 Up62A
- 108369 BONATO, C. The size of the farm. (It) *Agricoltura* 13(4):45-54. Apr. 1964. 16 Ag8226  
Discussion of various countries.
- 108370 BRAND, S. S., and DE SWARDT, J. B. The use of interfarm comparisons in improving farm management efficiency in South Africa. *So. African J. Econ.* 32(2):95-112. June 1964. 280.8 So83
- 108371 BRANDLEY, C. S. Cattle and the law. *Canad. Cattlemen* 27(2):28-30. Feb. 1964. 49 C16  
Legal aspect of farming.
- 108372 BRYNTESON, C. R. Family farm corporation looks more favorable under 1964 tax law. *Agr. Banking & Finance* 6(4):24-25. July/Aug. 1964. 284.8 B22
- 108373 BUEB, O. Problems of the small holding. (Ge) *Agrarpolit. Rev.* 20(10):432-436. June 1964. 281.8 Ag824  
Switzerland.
- 108374 BUNKE, O., and KONIGSDORF, S. The optimizing of feed planning. (Ge) *Z. f. Agrarokon.* 7(5):153-154. 1964. 281.8 Z3  
With linear programming.
- 108375 BURNS, W. O., and O'NEIL, A. L. How can you pick an efficient dairy farm? *Queensland Agr. J.* 90(6):321-327. June 1964. 23 Q33
- 108376 CASSIDY, P. A. Farm management in Queensland. *EMB Bulletin* 4(6):47-49. June 1964. 280.28 Eg3
- 108377 CENTRES d'Etudes Techniques of France. (It) *Colt. e Gior. Vinic. Ital.* 110(5):188-189. May 1964. 16 C72
- 108378 CHANG, C. C. The production brigades must draw up a good production plan. (Ch) *Fu-Chien Nung Yeh Fujian Nongye* 2/3:7-8. Feb. 1963. 22.5 F958
- 108379 CHEKHOVSKAYA, K. Specialization—without delay. (Rus) *Sel'sk. Khoz. Kazakhstana* 4:14-16. 1964. 20 K185
- 108380 CH'I, T. N. A lecture on operational management knowledge for the production brigade. (Ch) *Fu-Chien Nung Yeh Fujian Nongye* 2/3:55-57. Feb. 1963. 22.5 F958
- 108381 CHUNG KUNG SHUN-CH'ANG HSIEN WEI PAN KUNG SHIH. Operational management must follow the mass line. (Ch) *Fu-Chien Nung Yeh Fujian Nongye* 2/3:49-50. Feb. 1963. 22.5 F958
- 108382 COLE, C. L. Changes are many in dairy farming today. *Feed Bag* 40(8):29-32. Aug. 1964. 389.78 F32
- 108383 THE CONDITIONS affecting the development of cooperative operations. (Ja) *Nogyo to Keizai* 29(12):4-17. Dec. 1963. 281.8 N682  
Panel discussion; panel members: Y. Sakurai, R. Yoshida, H. Nakamura, J. Sato, and K. Yabu.
- 108384 COPE, J. T., BERTRAM, F. E., and RICHARDSON, J. W. Small farm, good returns—that's record made by cotton-hog management units. *Highlights Agr. Res. [Ala. Sta.]* 11(3):11. Fall 1964. 100 AL1H
- 108385 CROTHERS, J. L. Are broilermen overlooking a valuable business tool?—a well-planned statistical quality control system. *Broiler Business* 15(3):36-37, 40. Mar. 1964. 47.8 B782
- 108386 CRUZ, D. DA. A drop of rain. *Aramco World* 15(4):24-28. July/Aug. 1964. 34.5 C88  
Demonstration in improved farming methods and irrigation in Saudi Arabia, by G. F. Brown of the U. S. Soil Conservation Service.
- 108387 CZAJKOWSKI, S. Results of the economic activity of state farms. (Rus) *Mezhdunarod. Sel'skokhoz. Zhur.* 3:34-35. 1964. 20 M57  
Poland.
- 108388 D'ARGE, R. C., and STANTON, B. F. Practices of farmers growing dry beans, central New York, 1963. *N. Y. State Col. Agr. (Cornell U.) Dept. Agr. Econ. A. E. Ext.* 323, 10 p. July 1964. 281.9 C81Ae
- 108389 DECKER, R., and DITTRICH, G. Ideas on the management of farms for individual production of dried green feed. (Ge) *Z. f. Agrarokon.* 7(7):200-203. 1964. 281.8 Z3  
Includes costs.
- 108390 DEXTER, K. The NAAS farm management service. *I.C.A.M. [Inst. Corn Agr. Merchants] J.* 12(2):13-14. Summer 1964. 10 In7
- 108391 DIETRICH, K. A proposition for organization and management of milk production establishments. (Ge) *Tierzucht* 18(1):8-11. Jan. 1964. 49 T443
- 108392 EVERETT, L. The farm of the future as I see it. *Natl. Farm Inst. [Proc.]* 5, 7 p. 1963. 4 N219  
The family farm.



- 108393 FERGUSON, J. Need for developing resources. *Livestock Breeder J.* 7(8):78. Aug. 1964. 49 L758  
Family farming.
- 108394 FILENI, E. Traditional type of management of an estate of the Agro Romano. (It) *Riv. Storia Agr.* 3(4):68-74. Dec. 1963. 30.98 R52
- 108395 FORREST, N. K., and MCNEELY, J. G. Ranch management. *Sheep & Goat Raiser* 44(11):30. Aug. 1964. 45.8 Sh3
- 108396 GALIZZI, G. The part-time farm. (It) *Agri-coltura* 13(5):29-38. May 1964. 16 Ag8226
- 108397 GAVETT, E. E. Truck crop production practices, Marion County, Oregon; labor, power, and materials, by operation. U. S. D. A. Econ. Res. Serv. ERS-169,35 p., map. June 1964. A281.9 Ag83E  
Input-output analysis.
- 108398 GAVETT, E. E. Truck crop production practices, San Joaquin County, California. U. S. D. A. Econ. Res. Serv. ERS-166,50 p., map. June 1964. A281.9 Ag83E  
Input-output analysis.
- 108399 GAVETT, E. E. Truck crop production practices, Yakima County, Washington; labor, power, and materials, by operation. U. S. D. A. Econ. Res. Serv. ERS-172,42 p., map. July 1964. A281.9 Ag83E  
Input-output analysis.
- 108400 GILSON, J. C. Agricultural adjustment and the family farm. *Agr. Inst. Rev.* 19(3):18-21. May/June 1964. 7 Ag8
- 108401 GRANT, W. R., and MULLINS, T. An economic appraisal of enterprise adjustments on rice farms. *Rice J.* 67(7):21. June 30, 1964. 59.8 R36  
In Arkansas.
- 108402 GT. BRIT. NATIONAL AGRICULTURAL ADVISORY SERV. Experimental husbandry farms and experimental horticulture stations; progress report, 1963. London, 1963. 71 p., map. 84 G7922
- 108403 HADFIELD, W. V. The agricultural potential of Southland. *New Zeal. Inst. Agr. Sci. Proc.* 9: 164-170. 1963. 23 N489P  
Farming systems.
- 108404 HARVEY, N. The part-time farmer. *Gt. Brit. Min. Agr. Fisheries & Food. Agr.* 71(6):265-267. June 1964. 10 G79J  
Great Britain.
- 108405 HELFSTINE, R. D. Farming in the Oahe area; irrigation, dryland. *S. Dak. State Col. Agr. Ext. C.* 630,19 p., map. July 1964. 275.29 So85  
Management.
- 108406 HILDEBRANDT, H. H., and SCHNABEL, W. Examples for farm simplification: dairy cattle farm. (Ge) *Betriebswirt. Mitt. f. den Wirt-berater.* 119:15-22. July 15, 1964. 281.8 B462
- 108407 HILL, D. Cooperative cattle barns in Denmark. (Ge) *Z. f. das Gesam. Genossenschw.* 14(1):76-77. First Q. 1964. 286.8 Z3
- 108408 HJELM, L. Use of research results in operation planning. (Sw) *Jord-Groda-Djur* 20:163-168. 1964. 11 J763
- 108409 HOLMES, O. W. A survey of private outdoor recreation facilities in rural areas of western Oregon. *Oreg. Agr. Expt. Sta. Spec. Rpt.* 173, 28 p. Ref. Apr. 1964. 100 Or3M  
U. S. Dept. of Agriculture, cooperating.
- 108410 HOU, H. C. A survey of the economic effects of a combination of agriculture and herding of a production team. (Ch) *Chung Kuo Nung Pao* 11(271):32-33. Nov. 1963. 22.5 C473
- 108411 IGNATOVSKII, P. Economic effectiveness of intensified agriculture. (Rus) *Voprosy Ekon.* 4:35-44. Apr. 1964. 280.8 V89
- 108412 IJIMA, S. Intensive agriculture in Nepal. (Ja) *Nogyo to Keizai* 30(2):54-57. Feb. 1964. 281.8 N682
- 108413 IVANOVA, R. To the problem of specialization of agricultural production. (Rus) *Voprosy Ekon.* 5:143-148. May 1964. 280.8 V89
- 108414 JANNERMANN, G. Fundamental problems in the introduction of technical drying in the organization of farms. (Ge) *Deut. Landwirt.* 15 (6):281-284. June 1964. 18 D4822
- 108415 JAUME, J. Is being a livestock farmer a bad profession? (Sp) *Cult. Mod.* 47(2):58-59. Feb. 1964. 15 C89  
Spain.
- 108416 JOHNSSON, B. Effektiviseringsmoghigheter i svenskt lantbruk [Possibilities for making Swedish agriculture more efficient]. Uppsala. *Lantbrukshogsk. Aktuellt Lantbrukshogsk.* 17, 21 p. 1964. 11 Up62A
- 108417 JOHNSSON, B., and WANNEBRO, A. Likviditet och levnadsomkostnader [Liquidity and cost of living]. Uppsala. *Lantbrukshogsk. Aktuellt Lantbrukshogsk.* 2,14 p. 1963. 11 Up62A  
Input-output analysis.
- 108418 KABZHANOV, V. Developing network of animal fattening state farms. (Rus) *Sel'sk. Khoz. Kazakhstana* 5:49-52. 1964. 20 K185  
Specialization.
- 108419 KARBACH, L. Farm adaptation: ideal and reality. (Ge) *Mitt. der Deut. Landwirt.-Gesell.* 78(50):1579-1580. Dec. 12, 1963. 18 N39
- 108420 KATO, H. The rice paddy dairy farming of tomorrow. (Ja) *Dairyman* 13(12):24-25, map. Dec. 1963. 44.8 D1454
- 108421 KATRICH, A. Raising role of economists of production management. (Rus) *Ekon. Sel'sk. Khoz.* 4:106-107. Apr. 1964. 281.8 So73  
Farm management.
- 108422 KOHLBACH, K. Has the family farm a future? (Ge) *Agros [Hannover]* 9(7):11-16. July 1964. 18 Ag83
- 108423 KOTTKE, M. W. Patterns of dairy farm exit and growth. *Conn. (Storrs) Agr. Expt. Sta. B.* 382,20 p. Ref. Aug. 1964. 100 C765
- 108424 KOVALEV, N. D., and others. *Osnovy zemle-deliya i rastenievodstva* [Principles of agriculture and field crops]. Moskva, Izdatel'stvo Selskokhozyaistvennoi Literatury, Zhurnalov i Plakatov, 1963. 567 p. 30.2 K84  
M. D. Atcoshenko, A. V. Dekonnor, and A. N. Litvinenko, joint authors.
- 108425 KRAUTZER, H. Rationalization on the forage production farm. (Ge) *Forderungsdienst* 12(5): 151-154. May 1964. 19 F75  
Grassland farm management in Austria.
- 108426 KRISHNA, J., and DESAI, D. K. Economic models of farm planning under risk and uncertainty. *Indian J. Agr. Econ.* 19(1):142-157. Jan./Mar. 1964. 281.8 In2
- 108427 KROHN, H. Two worlds. (Ge) *Ubersicht* 15 (5):275-279. May 10, 1964. 18 Ub3  
Problems of the family farm.
- 108428 MACKEY, G. Farm management. *Rur. Develpmt.* 18:9-14. May 1964. 281.28 R888  
Australia.
- 108429 MARTINKEVICH, F. Evaluation of results of economic activity of collective and state farms. (Rus) *Voprosy Ekon.* 6:64-73. June 1964. 280.8 V89
- 108430 MATTARELLA, B. Let us transform agriculture into an entrepreneurial activity. (It) *Agri-coltura* 13(4):27-34. Apr. 1964. 16 Ag8226
- 108431 MAURER, K. J. Specialized fruit farming—even with us? (Ge) *Mitt. der Deut. Landwirt. Gesell.* 79(26):954,956. June 25, 1964. 18 N39
- 108432 MAYER, L. V., HEADY, E. O., and BUTCHER, W. Direct supply control; what effects on Iowa farms? *Iowa Farm Sci.* 19(1):5-7. July 1964. 275.28 Io94  
Input-output analysis; production control.
- 108433 MEVES, G. Farm adaptation: ideal and reality. (Ge) *Mitt. der Deut. Landwirt.-Gesell.* 78(45): 1418-1420. Nov. 7, 1963. 18 N39
- 108434 MOL, J. Modeles d'exploitations agricoles; methodes, applications et possibilites d'utilisation dans le cadre de la C.E.E. [Farm models; methods, applications and possibilities of utilization within the framework of the E.C.C.]. European Econ. Community. *Etudes. Ser. Agr.* 13,75 p. Ref. 1964. 281.9 Eu7
- 108435 MOORE, E. J. Rural recreation enterprises in New England: investments, returns, and problems. U. S. D. A. Agr. Econ. Rpt. 56,27 p. Ref. May 1964. A281.9 Ag8A



- 108436 MORINEAU, A. Choice of a technique of beef production. (Fr) *Agriculture* [Paris] 27(268): 191,193,195,197. June 1964. 14 Ag823  
Management and costs.
- 108437 MULLER, D., BIALLAS, S., and NEUBAUER, G. Results of the development of the LPG in the year 1963. (Ge) *Z. f. Agrarökön.* 7(6):161-163. 1964. 281.8 Z3
- 108438 MUMEY, G. A. The impact of bulk blending upon the farmer. *Pacific Northwest Fert. Bulk Blending Symp. Proc.*, 1963 Symp.:95-97. 57.9 P112  
Management.
- 108439 MURILLO, J. Man, the land, and livestock. (Sp) *Soc. Geog. de Columbia. B.* 21(77/78):80-84. First Semes.1963. 475 So13
- 108440 NAWAGAWA, O. Large-scale dairy farming with free barns. (Ja) *Nogyo to Keizai* 30(1):81-84, map. Jan.1964. 281.8 N682  
Demonstration farming area.
- 108441 NEPRAS, J. For specialization, should local conditions and experiences of the people be exploited. (Cz) *Ekon. Zemedel.* 2(12):354-355. Dec.1963. 281.8 Ek7
- 108442 NEW ZEALAND INSTITUTE OF AGRICULTURAL SCIENCE. *Proceedings*, 1963, volume 9. Wellington, 1964. 248 p., map. Ref. 23 N489P  
Chiefly farm management.
- 108443 NOBLE, A. Training the land agent of the future. *Chartered Land Agents' Soc. J.* 63(8): 313-320. Aug.1964. 282.9 L22
- 108444 NOHRE, C. O., and JENSEN, H. R. Profitable farm adjustments in south-central Minnesota. *Minn. Agr. Expt. Sta. Sta. B.* 471,48 p. May 1964. 100 M66
- 108445 NORTHERN RHODESIA. DEPT. OF LANDS. *Annual report for the year 1963.* Lusaka, 1963. 7 p. 282.9 R342
- 108446 NOTZOLD, K. Purpose, content, and end of a farm management course. (Ge) *Ausbild. u. Beratung in Land- u. Hauswirt.* 17(7):157-158. July 1964. 18 N11
- 108447 OPERATIONAL management and the two way struggle; the study of records, by H. A. (Ch) *Fu-Chien Nung Yeh Fujian Nongye* 2/3:9. Feb. 1963. 22.5 F958
- 108448 ORKISZ, T. Zastosowanie programowania liniowego dla uzyskania optymalnej organizacji gospodarstwa rolnego [Application of linear programming to achieve the optimal farm organization]. *Krakow. Inst. Zootech. Wydawnictwa Wlasne*, 150,81 p. Ref. 1963. 49.9 K85W  
English summary.
- 108449 ORTH, A., and ROHR, K. Planning and use of winter forage. (Ge) *Mitt. der Deut. Landwirt.-Gesell.* 78(45):1411-1413. Nov.7, 1963. 18 N39
- 108450 OSBORN, W. L. King country progress. *New Zeal. J. Agr.* 109(1):37,39,41,43, map. July 15, 1964. 23 N48J  
Farm management.
- 108451 PADDOCK, W. C., and DALLAVALLE, Q. F. Production expense patterns, 1950-62. *U. S. D. A. Econ. Res. Serv. FIS-194:12-23.* Apr.1964. 1.941 F8F22  
Input-output analysis.
- 108452 PARLAGRECO, A. The peasant family farm. (It) *Agricoltura* 13(4):55-66, map. Apr.1964. 16 Ag8226
- 108453 PARMEGGIANI, N. Share and mixed farms in the Province of Udine. (It) *Udine. Cam. di Com. Indus. e Agr. B. Uffic. (n.s.)* 18(4):14-16. Apr.1964. 287 Ud5
- 108454 PESEK, V. No specialization possible without proper planning. (Cz) *Ekon. Zemedel.* 2(11): 324. Nov.1963. 281.8 Ek7
- 108455 PETERSON, G. A., and SCHMIDT, J. R. Using farm records for business analysis, supplement: a study of 694 Wisconsin farms—1961. *Wis. U. Col. Agr. Dept. Agr. Econ. Agr. Econ.* 34,16 p., map. Jan.1963. 281.9 W75
- 108456 PIETTRE, A. The Senate and the contract economy. (Fr) *Rev. de la Conserve* 19(3):39-41. Apr./May 1964. 389.8 R326
- 108457 PIKE, H. The Corn Belt farm of the future. *Natl. Farm Inst. [Proc.]* 9,8 p. 1963. 4 N219  
Includes discussion of the family farm.
- 108458 PLATZER, F. The share farm: metayage and other farming types. (It) *Agricoltura* 13(4):81-88. Apr.1964. 16 Ag8226
- 108459 POTTHOFF, H. The scope of farmer's tasks. (Ge) *Mitt. der Deut. Landwirt.-Gesell.* 79(26): 958-960. June 25, 1964. 18 N39
- 108460 RADOMSKI, J. Development of raw material basis on state farms of Poznan province for fruit and vegetable processing plants. (Pol) *Nowe Roln.* 12(19):41-42. Oct.1/15, 1963. 20.5 N86
- 108461 RICE, E. B. Dairy farming in New Zealand. *Queensland Agr. J.* 90(7):416-419. July 1964. 23 Q33
- 108462 ROSENKRANZ, O. The introduction of industrial production methods in agriculture. (Ge) *Z. f. Agrarökön.* 7(6):164-167. 1964. 281.8 Z3
- 108463 RUSSELL, K. N. Farming with Kenneth Russell. Ipswich, Farming Press, 1963. 160 p. Ref. 281.171 R912  
Management.
- 108464 SAFVESTAD, V. Deltidslantbruket—problem och möjligheter [Part-time farming—problems and possibilities]. *Uppsala. Lantbrukshögsk. Aktuellt Lantbrukshögsk.* 24,15 p. 1964. 11 Up62A
- 108465 SCHICK, R. Problems of industrial production of potatoes. (Ge) *Z. f. Agrarökön.* 7(6):167-169. 1964. 281.8 Z3  
Labor and management.
- 108466 SCHMEDEMANN, I. W., and WOOTEN, A. B. Farm-produced outdoor recreation. *Grain Prod. News* 17(1):20-21. Aug./Sept.1964. 281.81 G764
- 108467 SCHUTTE-DIKTE, H. Change in the testing of agriculture. II. (Ge) *Mitt. der Deut. Landwirt.-Gesell.* 79(27):984,986-987. July 2, 1964. 18 N39  
Farm size.
- 108468 SEARS, P. D. Cyclic patterns within New Zealand grassland farming. *Massey Agr. Col. Sheepfarming Annu.* 1963:233-246. 45.9 M38S  
Cycle of production pattern in New Zealand.
- 108469 SEDLAK, J. The rules of unified agricultural co-operatives. *Czech. Co-op* 2:4-5. 1964. 280.8 C994
- 108470 SEIFFERT, M. Arable farming and plant culture viewpoints for organization of feed production for green forage drying systems. (Ge) *Deut. Landwirt.* 15(6):285-288. June 1964. 18 D4822  
Organization and suitable forage plants.
- 108471 SHIMIZU, R. The development structure of commercialized dairy farming. (Ja) *Nogyo to Keizai* 30(1):46-53. Jan.1964. 281.8 N682
- 108472 SIX, L. An economic slide rule—a technical aid in management instruction. (Ge) *Landarbeit* 15:49-52. July 1964. 18 L2355  
For farm programming.
- 108473 SOUTH AUSTRALIA. DEPT. OF LANDS. *Annual report, 1962-63.* Adelaide, 1963. 73 p., map. 23 So82
- 108474 SPECIALIZATION, concentration and size of farms; reviews of articles. (Rus) *Ekon. Sel'sk. Khoz.* 4:61-73. Apr.1964. 281.8 So73
- 108475 STEWART, J. D. Implications of increased agricultural production at the farm level. *New Zeal. Inst. Agr. Sci. Proc.* 9:188-200. 1963. 23 N489P  
Farm management and finance.
- 108476 STUART, A. Estimates of potential farm production for the Wellington and Taranaki land districts. *New Zeal. Inst. Agr. Sci. Proc.* 9: 131-135. 1963. 23 N489P  
Cattle and sheep farms.
- 108477 STUTT, R. A. Recent land use and farm organization adjustments in the prairie area of Saskatchewan. *Econ. Annal.* 34(2):29-35. Apr. 1964. 281.8 Ec72
- 108478 STUTZER, D. What is agricultural, what is industrial animal raising? (Ge) *Mitt. der Deut. Landwirt.-Gesell.* 78(45):1409-1410. Nov.7, 1963. 18 N39



- 108479 TSOI, S. Some problems of improvement of specialized farming in irrigated zone of the Chimgent Region. (Ka) Akad. Nauk Kazakhskoi SSR, Vest. 6:9-15. June 1964. 511 A16
- 108480 WALLACE, C. A., and SLOWITZKY, Z. Planning and laying out a dairying unit on a northern Tasmanian property. *Tasmanian J. Agr.* 35(2): 133-139. May 1964. 23 T182T
- 108481 WEBER, H. The story of IBEC [International Basic Economy Corporation]. *Broiler Business* 15(3):16-19. Mar. 1964. 47.8 B782  
Poultry raising on Arbor Acres farm.
- 108482 WEGGEMANN, S. Extension theme "taking in boarders on the farm." (Ge) *Forderungsdienst* 12(6):181-183. June 1964. 19 F75  
Austria.
- 108483 WEST OF SCOTLAND AGRICULTURAL COLLEGE. Farm and experiments, 1963. Sterling, 1963. 92 p., map. 103 W52G
- 108484 WIENS, J. K. The pattern of farm changes in the Davidson area of Saskatchewan. *Econ. Annal.* 34(2):36-39. Apr. 1964. 281.8 Ec72  
Organization.
- 108485 WU, C. C. The agricultural techniques handed down to the young. (Ch) *Nongye Jishu* 10:59. Oct. 1963. 22.5 N929
- 108486 WULKOTTE, B. Farm finishing industry—where are the risks? (Ge) *Tierzuchter* 16(3): 84-86. Feb. 5, 1964. 49 T445
- 108487 YAKOVLEV, B. I. Intensity level of production in specialized state farms. (Rus) *Sadovodstvo* 5:9. May 1964. 80 Sa13
- 108488 ZUCKERMAN, J. The farm of the future as I see it. *Natl. Farm Inst. [Proc.]* 12, 10 p. 1963. 4 N219

#### Bookkeeping and Records

- 108489 BAYER, K. The old opposition: farmer and bookkeeping conditioned by nature? (Ge) *Ausbild. u. Beratung in Land- u. Hauswirt.* 17(6):134-135. June 1964. 18 N11
- 108490 CHUNG KUNG TUNG-SHAN HSIEN WET NUNG TS'UN KUNG TSO PU. Several experiences in rural accounting guidance work. (Ch) *Fu-Chien Nung Yeh Fujian Nongye* 2/3:52-53. Feb. 1963. 22.5 F958
- 108491 FANG, H. M. P'ang-chu production brigade quickly sets up records. (Ch) *Fu-Chien Nung Yeh Fujian Nongye* 2/3:51-52. Feb. 1963. 22.5 F958
- 108492 FU, W. Y. Introduction to a simple method for calculating the collection and distribution of reserve funds. (Ch) *Nongye Jishu* 5:45-46. May 1963. 22.5 N929
- 108493 KUBIS, I. Annual inventory—control of co-operative ownership. (Cz) *Ekon. Zemedel.* 2 (12):362. Dec. 1963. 281.8 Ek7  
On collective farms.
- 108494 LI, F. L. How to proclaim the accounts of the production brigades. (Ch) *Nongye Jishu* 5:43-44. May 1963. 22.5 N929
- 108495 MCEWEN, G. H. The farmer and his public accountant. *Ruakura Farmers' Conf. Week. Proc.* 1963:130-138. 49.9 R82  
Includes discussion.
- 108496 STANTON, B. F. Procedures for estimating costs and returns for sugar beets and other row crops, central New York, 1964-65. *N. Y. State Col. Agr. (Cornell U.) Dept. Agr. Econ. A. E. Ext.* 325, 4 p. Aug. 1964. 281.9 C81Ae
- 108497 TEESDALE-SMITH, H. S. Farm accounts; statements of financial position. *Tasmanian J. Agr.* 35(2):100-106. May 1964. 23 T182T
- 108498 THORPE, G. B. Keeping proper records pays dividends. *Rhodesian Tobacco J.* 16(6):70-71. June 1964. 69.8 R34
- 108499 WANG, W. T. How to find the mistakes in the production brigade's accounts. (Ch) *Nongye Jishu* 6:44-48. June 1963. 22.5 N929
- 108500 WOODS, N. R. New ideas about farm records. *New Zeal. J. Agr.* 108(6):527-528. June 15, 1964. 23 N48J
- 108501 WRIGHT, P. A. Electronic farm record keeping. *Ontario. Dep. Agr. Ext. Br. Rep. Annu. Conf.* 1963:34-36. 7 On82

#### Costs and Returns

- 108502 ATABAEV, G. The effect of yields on returns of cotton farms. (Rus) *Khlopkovodstvo* 4:15-17. Apr. 1964. 72.8 K522
- 108503 BERG, F. Economic considerations on pasture fattening of young bulls. (Ge) *Deut. Landwirt.* 15(6):308-310. June 1964. 18 D4822  
Feed production and finishing costs.
- 108504 BOOMER, H. Farming as a business: egg production. 2. *Farmers' J. (n.s.)* 3(32):55-56. Mar. 6, 1964. 10 F2234  
Costs in Northern Ireland.
- 108505 BRUTHANS, J. Chief sources of profit in milk production. (Cz) *Ekon. Zemedel.* 2(11):332-333. Nov. 1963. 281.8 Ek7
- 108506 BULTER, G. G. Grain and concentrates; the figures for 1963. *Agr. Situation [Washington]* 48(7):9. July 1964. 1 Ec7Ag  
Costs and returns; feed for milk cows.
- 108507 CAMPBELL, J. R. Family-type sugar cane farms in Louisiana, 1960; costs, returns, profits. *La. Agr. Expt. Sta. DAE Res. Rpt.* 321, 53 p. June 1963. 100 L935
- 108508 CERVENY, A., and IVANKA, L. Influence of weight-mass ratio of corn grain and straw on the distribution of net costs in the main and by-product. (Cz) *Czechoslovakia. Min. Zemedel. Lesn. a Vodniho Hospodar. Ust. Vedtech. Inform. Zemedel. Ekon.* 36(11):625-634. Nov. 1963. 281.9 C332  
German summary.
- 108509 CHEN, C. Y. A study on farm returns of 15 record keeping farms in Tsau-tun area. (Ch) *J. Agr. & Forestry* 12:181-218, map. Oct. 1963. 22.5 J823  
English summary.
- 108510 DUNN, J. M. Some economic aspects of milk production in Scotland. *Scot. Dep. Agr. Fish. Scot. Agr. Econ.* 14:246-250. 1964. 281.9 Sco3S  
Production costs and number of producers.
- 108511 EFTEKTIVNOST' kapital'nykh vlozhenii v sel'skoe khozyaistvo [The effectiveness of capital investments in agriculture]. *Moskva, Izdatel'stvo, Zhurnalov i Plakatov*, 1963. 296 p. 281.179 Ef2  
Costs and returns of farming.
- 108512 ETTORI, O. J. T., and others. Cost of production of type C milk in Sao Paulo, 1962/63. (Por) *Agr. em Sao Paulo* 11(1/2):23-27. Jan./Feb. 1964. 9.2 Ag823  
A. A. B. Junqueira, P. F. Bemelmans, C. T. Yamaguishi, C. Okamoto, and J. M. Falcao, joint authors.
- 108513 FERRIN, L. Considerations sur le cout de production et le resultat de quelques cultures [Considerations on production costs and results of some crops]. *Brussels. Inst. Econ. Agr. Cahiers I.E.A.* 15(EE-3), 54 p. Mar. 1964. 281.9 B832  
Field crops.
- 108514 FRAZAO, T. B. Corn culture. (Por) *Junta Geral Distrito Autonomo Ponta Delgada. Bol.* 13(3/4):102-104. July/Dec. 1963. 277.9 P77  
Chiefly costs and returns in Portugal.
- 108515 GOLDKUHL, A. Sheep—an alternative. (Sw) *Lantmannen* 75(10):244-246. Mar. 7, 1964. 11 L234  
Costs and returns.
- 108516 HATCH, R. E., and MOORE, D. S. Production and production requirements, costs and expected returns for cotton, grain sorghum and major fresh market vegetable crops on loam soils—lower Rio Grande Valley of Texas. *Tex. Agr. Expt. Sta. MP-719*, 55 p., map. June 1964. 100 T31M  
U. S. Dept. of Agriculture, cooperating.
- 108517 HERRERA PEREZ, G. Cost of production of imperial and elephant grass. (Sp) *Soc. Antioquena de Agr. B. Agr.* 525:9424-9426. Mar. 1964. 9.4 So1  
*Axonopus scoparius* and *Pennisetum purpureum*, respectively.
- 108518 HILDEBRANDT, H. H. Cattle feeding in the concept of extension. (Ge) *Betriebswirt. Mitt. f. den Wirtberater.* 118:3-8. June 15, 1964. 281.8 B462  
Programming and costs.



- 108519 HOFMANN, F., and HOLKE, R. Production and feed volume control in swine rearing in the socialistic large farms. (Ge) Tierzucht 18(6): 299-303. June 1964. 49 T443  
Cost and return aspects, chiefly.
- 108520 KENYA. MINISTRY OF FINANCE AND ECONOMIC PLANNING. FARM ECONOMICS SURVEY UNIT. Farm production costs in the Molo and Mau Narok areas 1959-62. Kenya. Farm Econ. Survey Unit. Rpt. 19,72 p. 1964. 281.9 Eg2
- 108521 KLAASSENS, K. Verschillen in bedrijfsresultaat in de IJsselmeerpolders [Differences and farm results in the IJsselmeer polders]. Landb.-Econ. Inst. Studies 12,44 p. Apr.1964. 281.9 L23S
- 108522 KOBAYASHI, M. The cost of eggs. (Ja) Keiyu 5:28-33. May 1964. 47.8 K26
- 108523 KOZAK, A. M. Orchards as source of wealth of Podolie. (Rus) Sadovodstvo 7:16. July 1964. 80 Sa13  
Yields, and costs and returns of fruit.
- 108524 KYLE, L. R. Changes in cash income and expenses; from 1961 to 1962 for 935 identical farms, Michigan Mail-In Account Project. Mich. State U. Ext. A. E. 905,13 p.,map. 1963? 275.29 M581
- 108525 LANDOKONOMISKE DRIFTSBUR. Undersøgelser over landbrugets driftsforhold. 46. Regnskabsresultater fra danske landbrug i året 1961-62. [Farm management investigations. 46. Results of Danish farm accounts, 1961-62]. 2. København, 1963. 163 p. 11 D414
- 108526 MACZAK, J. The economy of redpepper production. (Hu) Kerteszeti és Szőlészeti 13(12): 6-7. June 1964. 80 K474
- 108527 MEINHOLD, K. The economics of feed potato mast. (Ge) Kartoffelbau 14(12):278-279. Dec. 1963. 75.8 K145  
Swine.
- 108528 MINNESOTA. IRON RANGES RESOURCES AND REHABILITATION COMMISSION. 1962 report of the vocational agriculture farm management program in northeastern Minnesota, by L. Keskinen. Duluth, 1963. 7,22 p.,map. 281.9 D88  
Minnesota Department of Education, Institute of Agriculture of the University of Minnesota, and Duluth, Minn. Area Vocational-Technical School, cooperating.
- 108529 MINNESOTA. IRON RANGES RESOURCES AND REHABILITATION COMMISSION. 1963 report of the vocational agriculture farm management program in northeastern Minnesota, by R. G. Anderson, Duluth, 1964. 8,25 p.,map. 281.9 D88  
Minnesota Department of Education, Institute of Agriculture of the University of Minnesota, and Duluth, Minn. Area Vocational-Technical School, cooperating.
- 108530 MUELLER, A. G., and WILKEN, D. F. 39th annual summary of Illinois farm business records, 1963; commercial farms: production, costs, income, investment. Ill. U. Agr. Ext. C. 891,24 p.,map. Aug.1964. 275.29 IL62C
- 108531 MURPHY, W. J. B. Beef cattle; investment and return. Agr. Gaz. N. S. Wales 75(6):1067-1070. June 1964. 23 N472
- 108532 NEW SOUTH WALES. DEPT. OF AGRICULTURE. Poultry management study; the sixth annual report by R. E. Cooke-Yarborough and J. R. Jackson. N. S. Wales. Dept. Agr. Poultry Notes, Apr.1964:9-15. 47.9 N472
- 108533 NOLEN, J. A., and JONES, H. L. Cost and returns on type 21 fire-cured tobacco for 18 farms in Buckingham and Cumberland Counties, Virginia. Va. Polytech. Inst. Agr. Ext. Va. Farm Econ. 185:8-11. May/June 1964. 275.29 V813
- 108534 NOORT, L. VAN. Rentabiliteit van de groente-teelt op het eiland IJsselmonde; voorlopige berekening 1963 [Profitability of vegetable culture on the Island of IJsselmonde; preliminary estimate 1963]. Landb.-Econ. Inst. Verslagen 69,22 p. 281.9 L23V
- 108535 OEHRING, M. Does the culture of broadbeans pay? (Ge) Mitt. der Deut. Landwirt.-Gesell. 78(45):1413-1414,1416,1418. Nov.7,1963. 18 N39
- 108536 OTTEM, F. The barley growers. Barley Impr. Conf. Proc., 14th Conf.:58-62. 1963. 59.9 M583  
Chiefly costs and returns.
- 108537 PELLIZZARI, C. Woe if the farmers go to the bottom! (It) Rass. dell'Agr. Ital. 19(4):16-17. Apr.1964. 281.8 R18  
Production costs in Italy and price control on the Common Market.
- 108538 PERRYMAN, C., and others. Economics of milk production in Grays Harbor and Lewis Counties of Washington for three herd sizes and three hay feeding programs. Wash. State U. Agr. Ext. Mimeo. 2301,41 p. May 1963. 275.29 W27M1  
H. Fletcher, A. Cagle, R. Roffler, and H. Weyrich, joint authors.
- 108539 RAKHMANOV, A. In specialized state farms of Tadzhikistan. (Rus) Sadovodstvo 5:12-13. May 1964. 80 Sa13  
Chiefly costs and returns of fruit.
- 108540 SAVAGE, Z. Trends in citrus production costs. Citrus & Veg. Mag. 27(12):18-19. Aug.1964. 80 C498
- 108541 SCHADEREIT, G., and SCHMIDT, L. Average production costs of some home-produced feeds in relation to preservation methods and their effects on the profitability of dairy cattle raising. (Ge) Z. f. Agrarök. 7(6):180-185. 1964. 281.8 Z3
- 108542 SCOTT, R. H. Your farm as a business—why? Ruakura Farmers' Conf. Week. Proc. 1963:99-104. 49.9 R82  
Management.
- 108543 SCOTTISH agriculture—output and expenditure. Scot. Dep. Agr. Fish. Scot. Agr. Econ. 14:195-202. 1964. 281.9 Sco3S
- 108544 STANTON, B. F. Some estimates of costs and returns for sugar beets compared with other row crops, central New York, 1964-65. N. Y. State Col. Agr. (Cornell U.) Dept. Agr. Econ. A. E. Ext. 326,6 p. Aug.1964. 281.9 C81Ae
- 108545 STEWART, I. The financial results of Scottish farming in 1962/63. Scot. Dep. Agr. Fish. Scot. Agr. Econ. 14:203-214. 1964. 281.9 Sco3S
- 108546 STUVOY, J. Milk production—what now? (No) Landslaget Telemarkfe. Telemarkfeet 1964: 16-18. 43.9 L23  
Returns.
- 108547 SUGIMOTO, B. An economic analysis of American poultry. 1-2. (Ja) Niwatori-no-Kenkyu 39(4):124-128; (5):54-58. Apr.-May 1964. 47.8 N64  
Costs and returns in Japan.
- 108548 TOCKER, H. Big lift in production and returns on Buller demonstration farm. New Zeal. J. Agr. 109(1):7,9,11, map. July 15,1964. 23 N48J
- 108549 TOMA, D. Poultry raising can bring great pecuniary incomes to the collective farms. (Rum) Rev. de Zooteh. si Med. Vet. 14(4):38-42. Apr.1964. 49 P943
- 108550 VERTRIST, W., CLOOSTERIN, B., and GILLIEAUX, H. Aperçu des résultats comptables moyens de 340 exploitations agricoles, exercice 1962-1963 [Summary of the mean accounting results of 340 farms, 1962-1963 season]. Brussels. Inst. Econ. Agr. Cahiers I.E.A. 12(EE-2), 55 p.,map. Feb.1964. 281.9 B832  
Belgium.
- 108551 VURBANOV, TS. Research on the rentability of plum culture in the Lovech cooperatives. (Bu) Akad. Selskostopanskite Nauk. Bulg. Inst. Ovoshtarstvo. Izv. 5:157-167. 1963. 86 G16  
French summary.
- 108552 WADDELL, S. B., and JONES, H. L. Flue-cured tobacco costs and returns for 7 farms in Cumberland and Lunenburg Counties, Virginia. Va. Polytech. Inst. Agr. Ext. Va. Farm Econ. 185:11-13. May/June 1964. 275.29 V813
- 108553 WAGEMANN, H. Economy and organization of cattle rearing in the socialistic farms. (Ge) Tierzucht 18(5):230-234. May 1964. 49 T443
- 108554 WEDEL, H. Ökonomische Beurteilung und Eingliederung des Betriebszweiges Rindviehhaltung-Futterbau [Economic evaluation and division of the operational branches cattle husbandry-forage culture]. Max-Planck-Inst. f. Tierzucht u. Tierernähr. Schreihe. 18,125 p. Ref. 1963. 49.9 M45



- 108555 WESTERMARCK, N. Profitability of egg production, 1962. (Sw) Honsgarden 1:5. In Tid-skr. f. Lantman och Andelsfolk 3. Feb.15,1964. 20 T43  
Finland.
- 108556 WHITE, J. H., and HALBROOK, W. A. Estimated costs of producing fluid milk in north-west Arkansas. Ark. Farm Res. 13(4):4. July/Aug.1964. 100 Ar42F
- 108557 YEAGER, J. H. Depreciation hidden cost in [mink] ranching. U. S. Fur Rancher 43(8):6,26. Sept.1964. 412.629 Am3M
- 108558 YURCHISHIN, V. V. Fruit variety and profitability. (Rus) Sadovodstvo 6:8-9. June 1964. 80 Sa13  
Chiefly apples.
- Land Settlement and Colonization
- 108559 AYRE-SMITH, R. A. Land settlement and livestock in Kenya. Vet. Rev. 15(4):63-68. June 1964. 41.8 V6466
- 108560 FIELD, T. P. Postwar land settlement in Western Australia. Lexington, Ky., U. Kentucky Press, 1963. 60 p.,map. Ref. 282.2 F452
- 108561 FORREST, J. Dunedin and the Otago Block: geographical aspects of a Wakefield settlement. New Zeal. Geog. 20(1):10-29. Ref. Apr.1964. 331.8 N48
- 108562 HOLZER, R. H. La colonisation agricole planifiée en Amérique du Sud par les immigrants européens [Planned agricultural settlement by European immigrants in South America]. Freiburg i. Br., 1963. 209 p.,map. Ref. 282.2 H74  
These-Universite de Fribourg (Suisse)
- Land Tenure
- 108563 BOHLE, JESTAEDT, VON NORDENSKJOLD, SULINGEN, SCHMID, AND VIECHTACH. Landwirt und Flurbereinigung [Farmer and consolidation of holdings]. Germany. Land- u. Hauswirt. Auswertungs- u. Informdienst. [Ver-offentl.] 232,11 p. 1963. 18 G312V
- 108564 BRANDKAMP, F. Folgemassnahmen nach der Flurbereinigung und ihre Auswirkungen in fünf Flurbereinigungsgebieten des Landes Nordrhein-Westfalen [Successive measures after land consolidation and their effects in five consolidation districts in the North Rhine-Westphalia State]. Forsch. u. Beratung, Reihe B, Wiss. Ber. der Landwirt. Fakul. der U. Bonn 9,119 p.,map. 1963. 18 F777  
Includes reclamation.
- 108565 CALAN, L. DE. Land "reservations." (Fr) Agr. Prat. 128(6):15-16. June 1964. 14 J82  
Legal provisions for expropriation for public purposes and other rights of preemption.
- 108566 COUSTRY, R. The agrarian reform of the Mexican "ejidal" system. (Fr) Agricultura [Louvain] 17(5/6):579-595. Ref. May/June 1964. 13 R322
- 108567 DUNHAM, A. Property, city planning and liberty. In Haar, C. M., ed. Law and land; Anglo-American planning practice, p.28-43. 1964. 98.5 H11  
Land tenure and use.
- 108568 FRY, R. A. New Land Act causes frustration and resentment among growers. Rhodesian Tobacco J. 16(6):67-69. June 1964. 69.8 R34  
Tenure.
- 108569 HENDRY, G. F. Changes in farm rents in Scotland, 1962/63. Scot. Dep. Agr. Fish. Scot. Agr. Econ. 14:256-257. 1964. 281.9 Sco3S
- 108570 HOUWING, P. A. N. The chief responsibilities of lessees and lessors resulting from non-fulfillment. (Du) Pacht 24(6):130-142. June 1964. 282.8 P11
- 108571 IOWA. CROP AND LIVESTOCK REPORTING SERV. Number and size of farms; geographic patterns in Iowa, by C. A. Reseland and F. C. Thorp. Des Moines, 1962. 22 p.,map. 252.27 C88N
- 108572 IRTI, N. On the concept of agrarian contract. (It) Giurisprudenza Agr. Ital. 9(10):487-491. Oct.1962. 16 G44
- 108573 JOHNSON, R. T. Pitfalls for agricultural arbitrators. Chartered Surveyor 97(1):31. July 1964. 325.8 C38  
In leases.
- 108574 LEVIN, D. R. Aspects of eminent domain proceedings in the United States. In Haar, C. M., ed. Law and land; Anglo-American planning practice, p.226-241. 1964. 98.5 H11
- 108575 LIN, P. S. The agricultural ladder in the central part of Taiwan; a comparative study on three different types of farmers. (Ch) J. Agr. & Forestry 12:51-76. Oct.1963. 22.5 J823  
English summary.
- 108576 MEGARRY, R. E. Compensation for the compulsory acquisition of land in England. In Haar, C. M., ed. Law and land; Anglo-American planning practice, p.212-225. 1964. 98.5 H11
- 108577 MUNDULA, G. Notes on public servitudes and public use. (It) Giurisprudenza Agr. Ital. 9(9):427-431. Sept.1962. 16 G44
- 108578 NEVILL, P. Arranging your affairs: private ownership, trust, or company. Ruakura Farmers' Conf. Week. Proc. 1963:159-167. 49.9 R82  
Includes discussion.
- 108579 PARLAGRECO, A. New standards in leasing of rural properties. (It) Giurisprudenza Agr. Ital. 9(12):618-623. Dec.1962. 16 G44
- 108580 PRAX, A. The tenant farming and metayage statute. (Fr) Rev. Prat. de Leg. Agr. 17(204):75-90. May 1964. 281.8 R325
- 108581 SCAPACCINO, G. The motives of the Widow Scaltra. (It) Rass. dell'Agr. Ital. 19(5):26-30. May 1964. 281.8 R18  
On farm size, including breaking up and consolidation of holdings, and other agricultural policies in Italy.
- 108582 SCHUTTE-DIKTE, H. Trend of fate in agriculture. II. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(27):984,986-987. July 2,1964. 18 N39  
Farm size.
- 108583 STEWART, G. A. Who's minding the orchard? West. Fruit Grower 18(7):16-17. July 1964. 95.8 G762  
Absentee ownership of citrus groves.
- 108584 TAMBUYZER, C., and BODDEZ, G. La structure économique du secteur agricole et horticole ayant une activité de vente. 1. Repartition du nombre d'exploitations et de la superficie cultivée en fonction de la grandeur des exploitations et des régions agricoles [The economic structure of the agricultural and horticultural sectors having a marketing function. 1. Distribution of the number of farms and area cultivated in relation to size of farms and agricultural regions]. Brussels. Inst. Econ. Agr. Cahiers I.E.A. 7(ED-5),50 p.,map. Aug.1963. 281.9 B832  
Statistics.
- Land Utilization
- 108585 ALBERGO, E. D'. Financial problems of urbanistics. (It) Roma Econ. 17(5):250-260. (Cont.) May 1964. 280.8 R66
- 108586 BAKER, J. A. Address before American Country Life Association, Washington, D. C., July 7, 1964. Washington, U.S.D.A., Off. Sec., 1964. 9 p. A281.29 B17  
Recreational land use programs.
- 108587 BARR, J. G. Enforcement of planning controls in England and Wales. In Haar, C. M., ed. Law and land; Anglo-American planning practice, p.162-177. 1964. 98.5 H11
- 108588 BERNARDI, R. Tourism and economy. (It) Modena 70(6):29-40, map. Ref. June 1964. 280.9 M722  
Land use.
- 108589 BOLD, I. Territory organisation—important factor of land intensive utilization. (Rum) Prob. Econ. [Bucharest] 17(7):61-78, map. July 1964. 280.8 P947  
English summary, p. 166.

- 108590 CARSON, E. E. An analysis of the program of alternative voluntary land retirement programs. Lafayette, 1963. 359 p. Film 566 Thesis-Purdue University.
- 108591 CLAVE, P., and RICADA, M. The reconversion of the Gravons region of France. (Fr) *Pépiniéristes Hort. Maraichers* 48:2163-2165. June/July 1964. 80 P39  
Use of land for fruit and vegetable production.
- 108592 COCHRANE, G. R., and PRYOR, R. J. Land use in the Silvan-Monbulk region, Dandenong Range, Victoria. *Roy. Soc. Victoria. Proc.* (n.s.) 77(2):239-263, map. Ref. June 12, 1964. 514 M482
- 108593 COSTIN, A. B. Mountain land problems: South Island impressions and Australian comparisons. *New Zeal. Geog.* 20(1):30-73, map. Apr. 1964. 331.8 N48  
Use.
- 108594 CRAIG, D. W. Regulation and purchase: two governmental ways to attain planned land use. In Haar, C. M., ed. *Law and land; Anglo-American planning practice*, p.181-211. 1964. 98.5 H11
- 108595 DICKINSON, R. E. Critical remarks on the town planning of Great Britain. (Ge) *Erde* 95(2):94-110, map. Ref. 1964. 474 Er1  
English summary.
- 108596 GASSNER, E., OLSCHOWY, G., and D'ALLEUX, H. J. Demonstration building project "Steinborn school district," an urban measure of central local importance. (Ge) *Bad Godesberg. Inst. f. Raumforsch. Inform.* 14(7):201-238, map. Apr. 15, 1964. 280.9 B643I  
Includes position of agriculture in the Plan.
- 108597 HAAR, C. M. Comparisons and contrasts. In Haar, C. M., ed. *Law and land; Anglo-American planning practice*, p.245-284. 1964. 98.5 H11
- 108598 HAAR, C. M., ed. *Law and land; Anglo-American planning practice*. Cambridge, Harvard U. Press, 1964. 290 p. Ref. (A Publication of the Joint Center for Urban Studies of the Massachusetts Institute of Technology and Harvard University) 98.5 H11  
Land use.
- 108599 HART, W. O. Control of the use of land in English law. In Haar, C. M., ed. *Law and land; Anglo-American planning practice*, p.3-27. 1964. 98.5 H11
- 108600 HASEGAWA, N. Changes in the spatial variation of land value and land use. *Tohoku U. Facul. Sci. Sci. Rpt. Ser.* 7 (Geog.) 13:157-164. Ref. Mar. 1964. 513 T574G
- 108601 HAWAII. UNIVERSITY. LAND STUDY BUR. Detailed land classification, Island of Oahu, by L. A. Nelson, E. T. Murabayashi, T. Sahara, F. K. Nunns, F. N. Fujumura, H. L. Baker, I. Kuwahara, C. A. Patterson, and L. W. Komstokh. *Hawaii. U. Land Study Bur. L.S.B. B.* 3, 141 p., map. Ref. Jan. 1963. 282.9 H312B
- 108602 HEAP, D. English development plans for the control of land use. In Haar, C. M., ed. *Law and land; Anglo-American planning practice*, p.79-101. 1964. 98.5 H11
- 108603 HIRAYAMA, Y. Draining rice paddies for dairy industry. (Ja) *Nogyo to Keizai* 29(12):51-54, map. Dec. 1963. 281.8 N682
- 108604 HSI, L. C., and LIAO, M. C. Land-use capability survey and soil conservation in Taiwan. *Soils & Fert. Taiwan* 1962:1-11. 1963. 56.8 So37
- 108605 JOSELYN, G. B., and WARNOCK, J. E. Value of Federal Seed Grain Program to production of pheasants in Illinois. *J. Wildlife Mngt.* 28(3):547-551. July 1964. 410 J827  
Includes land utilization.
- 108606 KELLOGG, C. E. Potentials for food production. *U. S. D. A. Ybk. Agr.* 1964:57-69, map. 1 Ag84Y  
Possible utilization of world land resources.
- 108607 KRAUSZ, N. G. P., and LEMON, L. G. Laws and regulations concerning recreation in rural areas of Illinois. *Ill. U. Agr. Ext. C.* 889, 32 p. Ref. June 1964. 275.29 IL62C
- 108608 LAYFIELD, F. H. B. Planning decisions and appeals. In Haar, C. M., ed. *Law and land; Anglo-American planning practice*, p.105-128. 1964. 98.5 H11  
Land use in Great Britain.
- 108609 LO MONACO, M. Soil utilization map of Italy. (It) *Riv. Storia Agr.* 3(4):76-77. Dec. 1963. 30.98 R52
- 108610 MCPHERSON, G. K. Estimates of potential farm production of Otago. *New Zeal. Inst. Agr. Sci. Proc.* 9:157-163. 1963. 23 N489P  
Land utilization for livestock.
- 108611 MATTHEWS, B. C. Land use classification in relation to A.R.D.A. [Agricultural Rehabilitation and Development Act]. Ontario. *Dep. Agr. Ext. Br. Rep. Annu. Conf.* 1963:48-51. 7 On82
- 108612 MILNER, J. B. The development plan and master plans: comparisons. In Haar, C. M., ed. *Law and land; Anglo-American planning practice*, p.47-78. 1964. 98.5 H11  
British and American land-use planning.
- 108613 NICHOLSON, E. M. Orchestrating the use of land. *New Sci.* 22(390):350-351. May 7, 1964. 472 N42
- 108614 PEARSON, J. The urban invasion of rural lands. Ontario. *Dep. Agr. Ext. Br. Rep. Annu. Conf.* 1963:62-64. 7 On82
- 108615 RANDEN, J. Tourism as a form of production in agriculture. (No) *Nord. Lantbrekon. Tid-skr.* 14(2):58-64. 1964. 281.8 N75
- 108616 RODRIGUEZ ZAPATA, M. Natural regions of Chile and their utilization capacity. (Sp) *Chile. Dir. de Agr. y Pesca. Agr. Tec.* 19/20:309-399. Ref. 1959/60, pub. 1963. 464.9 C432B
- 108617 RUPPERT, K., and MEIENBERG, P. Aerial photography as an aid in agrarian geographical research. (Ge) *Umschau* 64(7):207-210. Apr. 1, 1964. 474 Um7
- 108618 SANDVIK, J. O. Destruction of arable land. (No) *Norske Myrselsk. Meddel.* 62(1):1-7. Feb. 1964. 11 N813  
Use of land for building purposes.
- 108619 SAUNDERS, B. G. R. Urban growth with particular reference to Palmerston North. *Massey Agr. Col. Sheepfarming Annu.* 1963:87-100, map. 45.9 M38S  
New Zealand.
- 108620 STAMP, L. D., and others. Land use in the Scottish highlands. *Advn. Sci.* 21(90):141-190, map. Ref. July 1964. 501 B77A  
H. A. Moisley, F. H. W. Green, C. H. Grimingham, H. M. Steven, M. V. Edwards, I. A. Nicholson, G. R. Miller, R. F. Hunter, J. C. Robertson, V. C. Wynne-Edwards, M. Gray, Sir M. Campbell, and Sir R. Urquhart, joint authors.
- 108621 SULLIVAN, L. A. Flexibility and the rule of law in American zoning administration. In Haar, C. M., ed. *Law and land; Anglo-American planning practice*, p.129-161. 1964. 98.5 H11
- 108622 U.S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Alaska land development. Hearing, 88th Cong., 2d sess. on H. R. 3109 and S. 623, February 5, 1964. Washington, 1964. 31 p. 282.007 Un33
- 108623 USPANOV, U. U., and BOROVSKII, V. M. Scientific basis of efficient utilization of land in Kazakhstan. (Rus) *Akad. Nauk Kazakhskoi SSR. Vest.* 5:3-13. May 1964. 511 AL6

#### Land Values and Valuation

- 108624 COOLEY, L. F., and COOLEY, L. M. The simple truth about Western land investment. *Garden City, Doubleday*, 1964. 189 p. 282.003 C77
- 108625 CUNY, L. What are fruit trees worth? (Fr) *Arboricult. Fruitiere* 10(118):18-23. Dec. 1963. 80 Ar13
- 108626 GRIGOROVA, A., and STRASHILOV, ZH. On the economic assessment of the land. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Ikonomika Selskoto Stopanstvo. Izv.* 3:37-68, map. Ref. 1963. 281.9 Ak12  
English summary.



- 108627 GRUBERSKA, M. New principles of acquiring state-owned agricultural real estate. (Pol) Nowe Rohn. 13(1):47-48. Jan.1/15,1964. 20.5 N86
- 108628 MACPHILLANY, C. H. Valuation of orchards. (Condensed.) *Rur. Devlpmt.* 18:2-8. May 1964. 281.28 R888
- 108629 NIHON FUDOSAN KENKYUJO. Chika chosasho [Survey report on land prices]. Tokyo, 1963. 363 p. 282.183 N57
- 108630 NORIN, S., and RENBORG, U. Crop culture and land values. (Sw) *Jord-Groda-Djur* 20: 169-177. 1964. 11 J763  
Effects of variations in returns from crops that can be grown in different regions.
- 108631 SCOFIELD, W. H. Land prices and farm income relationships. *Agr. Finance Rev.* 25:13-22, map. Aug. 1964. 1.9 Ec78Af  
Includes values.
- 108632 STONYER, E. J., and WOODS, N. R. Planning for profit. 1-2. Ruakura Farmers' Conf. Week. Proc. 1963:168-180. 49.9 R82  
1, Farm purchase; 2, Operating the farm.  
Includes discussion.
- 108633 STRASHILOV, ZH. Economic assessment of natural meadows in certain regions of northern Bulgaria. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Ikonomika Selskoto Stopanstvo. Izv.* 3:69-107, map. Ref. 1963. 281.9 Ak12  
English summary.

## POPULATION

- 108634 BARBERIS, C. The Italian agricultural population between medicine and demography. (It) *Previdenza Sociale nell'Agr.* 14(6):456-459. Nov./Dec. 1963. 281.8 P92  
English summary.
- 108635 BAUDER, W. W. When people move. *Iowa Farm Sci.* 19(2):6-7. Aug. 1964. 275.28 Io94  
Chiefly rural-urban migration.
- 108636 FOSTER, P. W. Migrations and agriculture. U. S. D. A. *Ybk. Agr.* 1964:22-29. 1 Ag84Y  
Historical.
- 108637 GAEV, A. The drift away from agriculture in the USSR. *Munich. Inst. Study USSR. B.* 11(5): 45-54. May 1964. 280.9 M922B
- 108638 GOLZIO, S. The population factor in mountain zones with particular reference to Italy. (It) *Cron. Econ.* 250:15-26. Oct. 1963. 280.8 C882
- 108639 NUSSBAUMER, A. Population of the mountain zones with particular reference to Austria, Germany, and Yugoslavia. (It) *Cron. Econ.* 250:27-31. Oct. 1963. 280.8 C882
- 108640 STOCKWELL, E. G., and INGALLS, D. G. Illustrative projections of the population of the Middle Atlantic States by age and sex, 1960 to 1980. *Conn. (Storrs) Agr. Expt. Sta. Prog. Rpt.* 53, 20 p. May 1964. 100 C76Pr  
New York, New Jersey, and Pennsylvania.
- 108641 STOCKWELL, E. G. Population change and redistribution in eastern Connecticut: 1958-1963. *Conn. (Storrs) Agr. Expt. Sta. Prog. Rpt.* 55, 8 p., map. Oct. 1963. 100 C76Pr  
Connecticut State Highway Dept., and Bur. of Public Roads, cooperating.  
Includes urban-rural migration.
- 108642 STOCKWELL, E. G. The population of Connecticut; residential mobility, 1955-1960. *Conn. (Storrs) Agr. Expt. Sta. B.* 384, 12 p., map. June 1964. 100 C76S  
Statistics.
- 108643 UNITED NATIONS. STATISTICAL OFF. Demographic yearbook, 1962, fourteenth issue. New York, 1963. 665 p. 251 Un356  
Text also in French.  
Data on rural population included.

## RURAL SOCIAL ORGANIZATION

- 108644 BARBERIS, C. Sociological elements in the French surveys on the economic situation in agriculture. (It) *Previdenza Sociale nell'Agr.* 14(5):353-356. Sept./Oct. 1963. 281.8 P92  
English summary, p.325.
- 108645 CAPO, E. The social aspects of programming. (It) *Previdenza Sociale nell'Agr.* 15(1/2):44-48. Jan./Apr. 1964. 281.8 P92  
English summary, p.6.
- 108646 ITURBURU, C. Our countryside and painting. (Sp) *Soc. Rur. Argentina. An.* 98(6):36-39, 50. June 1964. 9 Sol
- 108647 MACDONALD, J. S., and MACDONALD, L. A simple institutional framework for the analysis of agricultural development potential. *Econ. Devlpmt. & Cult. Change* 12(4):368-376. Ref. July 1964. 280.8 Ec7226  
With reference to land tenure and management aspects.
- 108648 SONODA, K. The change in the agricultural villages and its effect on the farmers. (Ja) *Nogyo to Keizai* 30(2):10-15. Feb. 1964. 281.8 N682
- 108649 UMEMORI, M. The change in farm life. (Ja) *Nogyo to Keizai* 30(2):16-21. Feb. 1964. 281.8 N682
- 108650 WANE, Y. Social needs and mobility of the Toucouleurs [Senegal]. (Fr) *Notes Africaines* 101:16-23. Jan. 1964. 475 N84

## Human Ecology

- 108651 AGRARSOZIALE GESELLSCHAFT, GOTTINGEN. Dorferneuerung als gesellschaftspolitische Aufgabe [Village renewal as task of social policy]. *Agrarsoz. Gesell. Schreibe. f. Landliche Sozfragen.* 40, 141 p. 1963. 281.9 Ag862S  
Papers by W. Ernst, E. Rehwinkel, T. Troscher, E. Boettcher, R. Glob, A. Moorahrend, F. Halstenberg, G. Isenberg, P. Schilke, and F. Riemann, delivered at the spring conference of the Society, Hinterzarten/Schwarzwald, 1963.
- 108652 CARVALHO, A. DE. The Alentejo village of Granja de Mourao. (Por) *Agros [Lisboa]* 46(4): 269-326. Ref. July/Aug. 1964. 15.5 Ag82  
English summary.  
Survey applying on a small scale methods that might be applied to a region.
- 108653 CLOS-ARCEDUC, I. C. G. Some ancient agricultural landscapes of Bigorre and Astarac. (Fr) *Paris. Ecole Prat. des Hautes Etudes. Sixieme Sect. Sci. Econ. et Soc. Etudes Rur.* 11: 57-64. Oct./Dec. 1963. 281.9 P21
- 108654 DITTRICH, E. Agricultural scientific element in development of plans. (Ge) *Diplomlandwirt* 14(7/8):161-162. July/Aug. 1964. 18 D62  
Regional planning.
- 108655 FORSTER, K. Problems and outlook for regional planning in Great Britain. (Ge) *Raumforsch. u. Raumordnung* 21(4):205-213. Dec. 1963. 282.9 R19
- 108656 GUTWIRTH, J., ECHARD, N., and MULLER, J. C. Haleine; three aspects of an Orne commune. (Fr) *Paris. Ecole Prat. des Hautes Etudes. Sixieme Sect. Sci. Econ. et Soc. Etudes Rur.* 11:5-56, map. Oct./Dec. 1963. 281.9 P21  
Includes the agricultural economy.
- 108657 JEANSSON, N. R. The cultivated landscape around Krankesjon, 1815-1962. (Sw) *Skanes Nat.* 51:53-70, map. 1964. 410 Sk1  
Effects of man on the landscape.
- 108658 KAYSER, B. Margariti (Epirus), the check of a spontaneous colonization. (Fr) *Paris. Ecole Prat. des Hautes Etudes. Sixieme Sect. Sci. Econ. et Soc. Etudes Rur.* 11:65-101, map. Oct./Dec. 1963. 281.9 P21
- 108659 KISHIMA, K. Commercialization and regional planning of agriculture. (Ja) *Nogyo to Keizai* 30(1):60-66. Jan. 1964. 281.8 N682
- 108660 LEHMANN, H. On the problem of economic regionalization in communist states. (Ge) *Bad Godesberg. Inst. f. Raumforsch. Inform.* 14(11): 353-377. June 15, 1964. 280.9 B643I
- 108661 LOMBARDINI, S. Regional planning as instrument of valorization of the mountain region. (It) *Cron. Econ.* 250:88-90. Oct. 1963. 280.8 C882
- 108662 MATSUNO, S. Regional planning and agricultural problems. (Ja) *Nogyo to Keizai* 30(2):28-35. Feb. 1964. 281.8 N682



- 108663 SINGLETON, J. A. The Newllano experience in Louisiana. *La. Acad. Sci. Proc.* 26:135-141. Dec.1963. 500 L932
- 108664 SIVIGNON, M. Evolution of nomadism in the high plains of western Algeria. (Fr) *Rev. de Geog. de Lyon* 38(3):205-223, map. 1963. 473 Et8
- 108665 STENSLAND, P. G. Community change on the prairies. *Agr. Inst. Rev.* 19(3):22-26. May/June 1964. 7 Ag8  
Includes population trends and education.
- 108666 SYLVESTER, A. Polish villages 1963. (Ge) *Agrarpolit. Rundsch.* 15:7-10. Mar.1964. 281.8 Ag838
- Institutions
- 108667 ALBERTA, DEPT. OF AGRICULTURE. 1963 master farm families of Alberta. n.p., 1963? 15 p. 7 AL18
- 108668 ALBRECHT, H., and ZUFLE, A. Knowledge and structure of firm-attached advisory work in the field of agriculture. (Ge) *Hohenheim. Landwirt. Hochsch. Arb.* 26:185-218. Ref. 1964. 105.7 H686A  
English summary.  
Farm supply firms.
- 108669 BAKER, H. R. Education and rural life. Saskatchewan. U. Farm & Home Week. Addresses & Proc. 1964:48,50,52,54,56-57. 101 Sa72
- 108670 BAUMGARTEN, O. The 12th agricultural fair of the DDR. (Ge) *Deut. Landwirt.* 15(6):261-263. June 1964. 18 D4822
- 108671 BERNARDELLI, O. Zone agronomist. (It) *Colt. e Gior. Vinic. Ital.* 110(6):202-203. June 1964. 16 C72
- 108672 BOX, T. W. Should your son study agriculture? *Sheep & Goat Raiser* 44(11):32-33. Aug.1964. 45.8 Sh3
- 108673 BROOKE, M. M., GLEASON, N., and MONTE-RO-GEI, F. Intestinal parasites in a rural community of Costa Rica. *Rev. de Biol. Trop.* 11(1):47-56. Ref. July 1963. 442.8 R328  
Protozoa and helminths.
- 108674 BRUMEAUX, J., and CHAMBERLAND, G. Social enquiry on the situation of the graduate agronomists. (Fr) *Cahiers des Ingen. Agron.* 187:11-22. June/July 1964. 14 C112  
Reports of two studies.
- 108675 BUHLER, A. Investigation of an interpretation of the relation between conversational themes and work situation of farmers. (Ge) *Hohenheim. Landwirt. Hochsch. Arb.* 26:59-68. 1964. 105.8 H686A  
English summary.  
Meaning for extension work.
- 108676 CANNELL, G. H. UCR [University of California, Riverside] program encourages students to seek careers in ag. science. *Calif. Citrog.* 49(11):412,420-421. Sept.1964. 80 C125
- 108677 CHRISTOPHERSON, V. A. A socio-cultural approach to rural health and rehabilitation. *Agr. Sci. Rev.* 2(1):31-36. Ref. Winter 1964. A31.3 Ag893
- 108678 COLVARD, D. W. Summary statement relative to various evaluations of curriculums in colleges of agriculture. (Sum.) *Joint Comm. Training Government Serv. Ass. Land-Grant Coll. Univ. U. S. Dep. Agr. Rep.*, Apr.1963:22-23. 249.39 L22
- 108679 CONTRERAS LAVERDE, G. Rural extension and agricultural professionals. (Sp) *Agr. Trop.* 20(1):9-10. Jan.1964. 26 Ag8  
Colombia.
- 108680 DALMASSO, G. The eightieth anniversary of a worthy agricultural school. (It) *Colt. e Gior. Vinic. Ital.* 110(6):212-213. June 1964. 16 C72  
*Scuola Agraria di Pozzuolo del Friuli.*
- 108681 ENGELHARDT, H. The "Groupements de Vulgarisation de Progres Agricole" in Somme Department; an example for the formation and development of agricultural extension in France. (Ge) *Hohenheim. Landwirt. Hochsch. Arb.* 26:69-84. 1964. 105.8 H686A  
English summary.
- 108682 ERICSSON, G. The new agricultural education in Sweden. (Ge) *Ausbild. u. Beratung in Land- u. Hauswirt.* 17(6):129-138. June 1964. 18 N11
- 108683 FENDALL, N. R. E. Organisation of health services in emerging countries. *Lancet* 2 (7350):53-56. July 11, 1964. 448.8 L22  
Includes rural health centre.
- 108684 FLINTRIP, F. Anthropological foundations of adult education. (Ge) *Ausbild. u. Beratung in Land- u. Hauswirt.* 17(6):145-146. June 1964. 18 N11
- 108685 GLANDER, H. From other lands: agricultural advisory work of Canada in the reforms. (Ge) *Ausbild. u. Beratung in Land- u. Hauswirt.* 17(7):151-154. July 1964. 18 N11
- 108686 GRANZ, E. Mass extension in the change. (Ge) *Ausbild. u. Beratung in Land- u. Hauswirt.* 17(7):154-157. July 1964. 18 N11
- 108687 GRETZER, W. Education in Denmark. (Ge) *Ausbild. u. Beratung in Land- u. Hauswirt.* 17(6):127-128. June 1964. 18 N11  
Youth.
- 108688 GRINNELL, H. C. Public education in New Hampshire—an economic appraisal. *N. H. Agr. Expt. Sta. Sta. B.* 481,26 p. Mar.1964. 100 N45
- 108689 GRISHIN, E. A. Shkola i kolkhoz [School and the collective farms]. Moskva, Gosudarstvennoe Uchebnoe-Pedagogicheskoe Izdatel'stvo Ministerstva Prosveshcheniya RSFSR, 1963. 76 p. 275.1 G88
- 108690 HARDY, E. A. Report to the Government of Ceylon on the Technical Training Institute of the Gal Oya Development Board. *Food & Agr. Organ. United Nations. Expanded Tech. Asst. Program. FAO Rpt.* 1624,13 p. 1963. 281.9 F733E  
Agricultural and settlement program.
- 108691 HARTAN, H. Advisory support of farm programmes. *FATIS Rev.* 11(2):53-57. 1964. 275.249 F26  
Germany.
- 108692 HARTMANN, G. Study trips abroad, their preparation and conduct. (Ge) *Ausbild. u. Beratung in Land- u. Hauswirt.* 17(6):137-138. June 1964. 18 N11
- 108693 HEARD, R. F. Methods of developing a county extension program. *Ontario. Dep. Agr. Ext. Br. Rep. Annu. Conf.* 1963:56-61. 7 On82
- 108694 HERNAN OSORIO A., J. Extension education. (Sp) *Agr. Trop.* 20(5):283-284. May 1964. 26 Ag8  
Colombia.
- 108695 HJELM, L. Lantbrukshogskolans organisation med sarskild hansyn till forsoksverksamheten [Organization of Lantbrukshogskolan with special regard to its research activities]. Uppsala. *Lantbrukshogsk. Aktuell Lantbrukshogsk.* 12,14 p. 1963. 11 Up62A
- 108696 HOVDE, F. L. The role of the University. *Natl. Inst. Anim. Agr. Proc.*, 13th Conf.:6-8. 1964. 49.9 N219
- 108697 HUSSAIN, M., and AKHTAR, M. Ziraat Nama as an educational medium for agricultural extension in West Pakistan—a study in evaluation. *West Pakistan J. Agr. Res.* 1(4):106-130. Sept./Dec.1963. 22 W52  
A newsletter of the West Pakistan Department of Agriculture.
- 108698 HUTTEBRAUKER, R. Thoughts on modern extension. (Ge) *Mitt. der Deut. Landwirt.-Gesell.* 79(28):997-998. July 9, 1964. 18 N39
- 108699 JACQUET. For collective action of the Academy: the establishment of a French language agricultural library. (Fr) *Acad. d'Agr. de France. Compt. Rend.* 50(6):516-522. Apr.8/15, 1964. 14 P215Bc  
Collecting and producing books in French.
- 108700 JOHNSON, A. C. Developments and research at the National Agricultural Extension Center for Advanced Study at the University of Wisconsin. (Sum.) *Joint Comm. Training Government Serv. Ass. Land-Grant Coll. Univ. U. S. Dep. Agr. Rep.*, Apr.1963:24-25. 249.39 L22



- 108701 KELLOGG, C. E. Brief status report of the Carnegie Corporation of New York's grant to finance a study of agricultural education, its purposes, objectives, etc. (Sum.) Joint Comm. Training Government Serv. Ass. Land-Grant Coll. Univ. U. S. Dep. Agr. Rep., Apr. 1963:20-21. 249.39 L22
- 108702 KNOBLAUCH, H. C. Various evaluations of college curricula being currently conducted and the effect of curricular changes on students going into Government service. (Sum.) Joint Comm. Training Government Serv. Ass. Land-Grant Coll. Univ. U. S. Dep. Agr. Rep., Apr. 1963:16-19. 249.39 L22
- 108703 KRAAL, A. Economics research and the future of advisory work. *FATIS Rev.* 11(20):43-44. 1964. 275.249 F26  
OECD countries.
- 108704 KROHN. After Hanover: reorganization of the DLG fairs? (Ge) *Diplomlandwirt* 14(7/8):166, 168. July/Aug. 1964. 18 D62
- 108705 LAWRENCE, J. E. The use of television as a teaching method in extension programs. Ontario. Dep. Agr. Ext. Br. Rep. Annu. Conf. 1963: 41-43. 7 On82  
New York.
- 108706 LEPAGE BARRETO, R. Evaluacion de impacto de extension agricola en tres comunidades de Venezuela [Evaluation of the impact of agricultural extension on three communities of Venezuela]. Turrialba, Instituto Interamericano de Ciencias Agricolas, 1963. 125 p. 275.24 L55  
Tesis (M. S.)-Instituto Interamericano de Ciencias Agricolas.
- 108707 LEROUX, R., and others. How television is presently being used in county extension programs. Ontario. Dep. Agr. Ext. Br. Rep. Annu. Conf. 1963:44-48. 7 On82  
R. A. Forsyth, R. Moyle, J. H. Nodwell, and C. L. Hamilton, joint authors.
- 108708 MCARTHUR, A. T. G. How to run a field day. Canterbury Chamber Com. Agr. B. 418,4 p. June 1964. 23 C162
- 108709 MAEDA, T. Today's agricultural high school graduates. (Ja) *Nogyo to Keizai* 29(12):28-33. Dec. 1963. 281.8 N682
- 108710 MEINHOLD, K. The use of models for the ascertainment of help in decision making. (Ge) Hohenheim. Landwirt. Hochsch. Arb. 26:137-155. Ref. 105.8 H686A  
English summary.  
In extension work.
- 108711 MERGEN, H. What does youth think of foreign study. (Ge) *Ausbild. u. Beratung in Land- u. Hauswirt.* 17(7):165-166. July 1964. 18 N11  
Agricultural education.
- 108712 MICHIGAN. STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. COOPERATIVE EXTENSION SERV. A summary of presentations and discussion, National Advisory Committee for the Experimental Mass Management Educational Program sponsored by the Kellogg Foundation. Mich. State U. Ext. A. E. 927,32 p. 1963. 275.29 M581
- 108713 MICHIGAN. STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. COOPERATIVE EXTENSION SERV. A summary of presentations and discussion, State Advisory Committee Meeting for the Mass Management Educational Program sponsored by the Kellogg Foundation. Mich. State U. Ext. A. E. 926,22 p. 1963. 275.29 M581
- 108714 MICHIGAN. STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE. COOPERATIVE EXTENSION SERV. A summary of presentations and discussion, State Advisory Second Committee Meeting for the Mass Management Educational Program sponsored by the Kellogg Foundation. Mich. State U. Ext. A. E. 933,13 p. 1963. 275.29 M581
- 108715 MISSISSIPPI. STATE UNIVERSITY OF APPLIED ARTS AND SCIENCES. AGRICULTURAL EXTENSION SERV. Putting research to work; 1963 annual report, Cooperative Extension Service, Mississippi State University. Miss. State U. Agr. Ext. P. 512,23 p. June 1964. 275.29 M68Ext
- 108716 MITTICH, W. Can the agricultural school be only a professional school? (Ge) *Ausbild. u. Beratung in Land- u. Hauswirt.* 17(6):147-148. June 1964. 18 N11
- 108717 MURTON, T. A. Agricultural education, training and extension methods in the U.S. and Jamaica. *Rhodesia Agr. J.* 61(3):52-53. May/June 1964. 23 R34
- 108718 NARAIN, I. Democratic decentralization and rural leadership in India: the Rajasthan experiment. *Asian Survey* 4(8):1013-1022. Aug. 1964. 280.8 As42
- 108719 NATIONAL 4-H CLUB FOUNDATION OF AMERICA. Report of International Farm Youth Exchange, Brazil to the United States, supported by U.S. Government funds. Washington, 1963. various paging. 275.9 N2192Rib
- 108720 NATIONAL 4-H CLUB FOUNDATION OF AMERICA. Report of International Farm Youth Exchange, Chile to the United States, supported by U.S. Government funds. Washington, 1963. various paging. 275.9 N2192Ric
- 108721 NATIONAL 4-H CLUB FOUNDATION OF AMERICA. Report of International Farm Youth Exchange, Korea to the United States, supported by U. S. Government funds. Washington, 1963. various paging. 275.9 N2192Ruk
- 108722 NATIONAL 4-H CLUB FOUNDATION OF AMERICA. Report of International Farm Youth Exchange, Malaysia to the United States, supported by U. S. Government funds. Washington, 1963. various paging. 275.9 N2192 Rim
- 108723 NATIONAL 4-H CLUB FOUNDATION OF AMERICA. Report of International Farm Youth Exchange, Pakistan to the United States, supported by U.S. Government funds. Washington, 1963. various paging. 275.9 N2192Rip
- 108724 NATIONAL 4-H CLUB FOUNDATION OF AMERICA. Report of International Farm Youth Exchange, Republic of China to the United States, supported by U.S. Government funds. Washington, 1963. various paging. 275.9 N2192Ref
- 108725 NATIONAL 4-H CLUB FOUNDATION OF AMERICA. Report of International Farm Youth Exchange, Thailand to the United States, supported by U. S. Government funds. Washington, 1963. various paging. 275.9 N2192Rit
- 108726 NATIONAL 4-H CLUB FOUNDATION OF AMERICA. Report of International Farm Youth Exchange, the Philippines to the United States, supported by U. S. Government funds. Washington, 1963. various paging. 275.9 N2192Rph
- 108727 NATIONAL 4-H CLUB FOUNDATION OF AMERICA. Report of International Farm Youth Exchange, United States to Brazil, supported by U.S. Government funds. Washington, 1963. various paging. 275.9 N2192Rub
- 108728 NATIONAL 4-H CLUB FOUNDATION OF AMERICA. Report of International Farm Youth Exchange, United States to Korea, supported by U. S. Government funds. Washington, 1963. various paging. 275.9 N2192Ruk
- 108729 NATIONAL 4-H CLUB FOUNDATION OF AMERICA. Report of International Farm Youth Exchange, United States to the Philippines, supported by U. S. Government funds. Washington, 1963. various paging. 275.9 N2192Rei
- 108730 NATIONAL 4-H CLUB FOUNDATION OF AMERICA. Report of International Farm Youth Exchange, United States to the Republic of China, supported by U.S. Government funds. Washington, 1963. various paging. 275.9 N2192Riy
- 108731 NATIONAL TAIWAN UNIVERSITY. COLLEGE OF AGRICULTURE. Annual report, for the period from August, 1961 to July, 1962. Taipei, 1963. 96 p. Ref. 107 T13R  
Project titles in English.
- 108732 NELSON, C. L. 50 years of the Visitor. *Visitor* 51(3):1-2. July 1964. 275.8 V822
- 108733 NICHOLS, M. Aiming our youth programs on the target. *Natl. Inst. Anim. Agr. Proc.*, 13th Conf.:22-31. 1963. 49.9 N219  
Future Farmers of America, 4-H Club and agricultural extension programs.



- 108734 NISHIGAKI, S. The education of the agricultural heirs and problems involved. (Ja) Nogyo to Keizai 30(2):43-48. Feb. 1964. 281.8 N682
- 108735 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Facilities for agricultural education. North. Ireland. Min. Agr. L. 136,9 p. May 1964. 10 N81
- 108736 ONTARIO. DEPT. OF AGRICULTURE. EXTENSION BR. Report of the annual conference, Guelph, Ontario, June 3-6, 1963. n.p., 1963. 79 p. 7 On82
- 108737 PETERSEN, K. 1954-1964; ten years later; the organization of the agricultural vocational and technical schools in the Hanover governing district. (Ge) Ausbild. u. Beratung in Land- u. Hauswirt. 17(7):160-163, map. July 1964. 18 N11
- 108738 THE PLACE of fairs and exhibitions in the extension program. Ontario. Dep. Agr. Ext. Br. Rep. Annu. Conf. 1963:38-40. 7 On82  
Panel discussion. Moderator: A. A. Wall; panel members: E. K. Pearson, H. J. Stanley, W. S. McMullen, and F. A. Lashley.
- 108739 REISEGG, F. The economic approach in Norway. FATIS Rev. 11(2):40-42. 1964. 275.249 F26  
Extension work.
- 108740 RHEINWALD, H. The information of the modern farmer. (Ge) Mitt. der Deut. Landwirt.-Gesell. 78(45):1427-1430. Nov. 7, 1963. 18 N39
- 108741 RICHARDS, N. R. Goals of agricultural education. Ontario. Dep. Agr. Ext. Br. Rep. Annu. Conf. 1963:7-8. 7 On82
- 108742 ROGERS, T. W., and WILBER, G. L. School drop-outs in Mississippi. Miss. Agr. Expt. Sta. Inform. Sheet 838,2 p. Feb. 1964. 100 M691n
- 108743 SAI, F. T. Problems of health and nutrition in underdeveloped countries. (Ge) Umschau 64 (10):294-298; (11):344-347. May 15-June 1, 1964. 474 Um7
- 108744 SANDERS, E. N. Improving group action. Ark. U. Agr. Ext. C. 518,21 p. Nov. 1963. 275.29 Ar4  
Extension work.
- 108745 SCHOLZ, G. Who concerns himself with youth without education? (Ge) Ausbild. u. Beratung in Land- u. Hauswirt. 17(6):139-140. June 1964. 18 N11
- 108746 SCULLY, J. J. Valuable tool for advisory work: farm management competitions. FATIS Rev. 11(2):35-39. 1964. 275.249 F26
- 108747 SEIFERT, V. Agricultural education; experiences in the district of the Landwirtschaftskammer Rheinland-Nassau. (Ge) Ausbild. u. Beratung in Land- u. Hauswirt. 17(7):171-172. July 1964. 18 N11
- 108748 SHANHOLTZ, M. I. Appalachian Regional Development Act of 1964. Va. Med. Mon. 91(7):305-307. July 1964. 448.8 V59
- 108749 SHRUM, G. A. It's a young people's world. Mo. Agr. Expt. Sta. Spec. Rpt. 37:8-14. Apr. 1964. 100 M693Sp  
Chiefly education.
- 108750 SILVA MARQUEZ, O. Comparative study of extension methods used in Costa Rica. (Sp) Turrialba 14(2):93-95. Apr./June 1964. 8 T86  
English summary.
- 108751 SPAIN, J. M. Preparation of multi-colored transparencies from black and white negatives. Agron. J. 56(4):442-443. July/Aug. 1964. 4 Am34P
- 108752 STARKE, M. T. Sociological foundations of adult education. (Ge) Ausbild. u. Beratung in Land- u. Hauswirt. 17(7):163-165. July 1964. 18 N11
- 108753 STUTTGART. INSTITUT FUR LANDWIRTSCHAFTLICHE BERATUNG. Probleme der beratung [Problems of extension]. Hohenheim. Landwirt. Hochsch. Arb. 26,218 p. Ref. 1964. 105.8 H686A  
English summary.
- 108754 SUTHERLAND, J. A. Practical work in agricultural education. Austral. Inst. Agr. Sci. J. 30(2):128-133. June 1964. 23 Au74
- 108755 THOMAS, U. Experience and methods of the agricultural adviser. (Ge) Hohenheim. Landwirt. Hochsch. Arb. 26:157-184. 1964. 105.8 H686A  
English summary.
- 108756 U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Some economic opportunities and limitations of outdoor recreation enterprises, by E. L. Baum and E. J. Moore. Washington, 1964. 18 p. A280.6 Ag84  
Policies.
- 108757 VIVEIL, J. First international agricultural salon—a success! (Fr) Rev. de la Conserve 19 (3):55-58. Apr./May 1964. 389.8 R326
- 108758 WILSON, I. Saskatchewan Technical Institute, Saskatoon. Saskatchewan. U. Farm & Home Week. Addresses & Proc. 1964:44-46. 101 Sa72
- 108759 YTTERBORN, G. R. Programming advisory work in Sweden. FATIS Rev. 11(2):58-61. 1964. 275.249 F26

### Leadership

- 108760 ANDERSON, S. Leader development in Duval County. Ext. Serv. Rev. 35(8):148-150. Aug. 1964. 1 Ex892Ex  
4-H Clubs in Florida.
- 108761 DEA, R., and WISENBACH, C. Adult committee system of club work. Ext. Serv. Rev. 35 (8):146-147. Aug. 1964. 1 Ex892Ex  
Leadership in 4-H Club work in Massachusetts.
- 108762 ESSENTIAL training needed for rural community leadership. (Sum.) Joint Comm. Training Government Serv. Ass. Land-Grant Coll. Univ. U. S. Dep. Agr. Rep., Apr. 1963:46-54. 249.39 L22  
Statements by J. A. Baker, H. Bertsch, D. A. Williams, N. M. Clapp, and H. C. Trelogan.
- 108763 STUDER, B. W. Revamping the leadership pattern. Ext. Serv. Rev. 35(8):150. Aug. 1964. 1 Ex892Ex  
4-H Clubs in Idaho.

### Rural Organizations and Movements

- 108764 AMERICAN FARM BUR. FEDERATION. Farm Bureau policies for 1964. Chicago, 1963. 60 p. 4 Am31R
- 108765 BACON, A. S. Youth grow through 4-H on all economic levels. Ext. Serv. Rev. 35(8):144. Aug. 1964. 1 Ex892Ex  
Programs.
- 108766 BRACK, R. E. What's happening in 4-H programs? Saskatchewan. U. Farm & Home Week. Addresses & Proc. 1964:41-42, 44. 101 Sa72
- 108767 CALDERWOOD, F. R. City folks see 4-H as important part of their youth program. Ext. Serv. Rev. 35(8):134-135. Aug. 1964. 1 Ex892Ex  
Ohio.
- 108768 COOMBS, K. L., and HIGBEE, V. B. Educational self-help program new hope for tenement district. Ext. Serv. Rev. 35(8):140-141. Aug. 1964. 1 Ex892Ex  
4-H Clubs in Rhode Island.
- 108769 CROWELL, L. K., and EIGENBRODE, D. Union in Unionville; a town's united effort to prepare it's children for adulthood—and perhaps for another way of life. Ext. Serv. Rev. 35(8):138-139. Aug. 1964. 1 Ex892Ex  
4-H Club programs in Maryland.
- 108770 FARMERS UNION OF ALBERTA. 1964 policy handbook. Edmonton, 1964. 56 p. 7 F227
- 108771 FEDERATED FARMERS OF NEW ZEALAND. 1963 year book. Christchurch, 1963? 247 p. 23 N81
- 108772 FOSTER, G. S., and USSERY, M. Modern 4-H programming. Ext. Serv. Rev. 35(8):151. Aug. 1964. 1 Ex892Ex  
Tennessee.
- 108773 NATIONAL FARMERS' UNION. Handbook, 1963. London, 1963. 62 p. 10 N212H



- 108774 OTIS, E. 4-H values adjusted to today's needs. Ext. Serv. Rev. 35(8):136-137. Aug. 1964. 1 Ex892Ex  
Programs in Washington.
- 108775 PHILLIPS, R. W. International organizations. U. S. D. A. Ybk. Agr. 1964:423-433. 1 Ag84Y
- 108776 SABROSKY, L. K. Adapting 4-H to people. Ext. Serv. Rev. 35(8):145. Aug. 1964. 1 Ex892Ex  
Programs.
- 108777 WASHINGTON, STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Guide for selecting 4-H camp counselors. Wash. State U. Agr. Ext. Ext. Mimeo. 2395, 2 p. Mar. 1964. 275.29 W27Mi
- 108778 WASHINGTON, STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Ten commandments for the camp instructors and counselors. Wash. State U. Agr. Ext. Ext. Mimeo. 2394, 1 p. Mar. 1964. 275.29 W27Mi  
For 4-H Clubs.

#### Cooperative Organizations

- 108779 ABE, R. What the bookkeeping of cooperative operations should be. (Ja) Nogyo to Keizai 29 (12):34-40. Dec. 1963. 281.8 N682
- 108780 AGRICULTURAL CENTRAL CO-OPERATIVE ASSOCIATION. Seventh annual report 1962-1963. London, 1963. 29 p. 280.29 Ag83
- 108781 ANDERSSON, T. Agricultural cooperation in France. (Sw) Nord. Lantbrekon. Tidskr. 14(2): 73-75. 1964. 281.8 N75
- 108782 BAKER, J. A. Address before the American Institute of Cooperation Extension and Research Workshop, East Lansing, Michigan, August 7, 1964. Washington, U. S. D. A., Off. Sec., 1964. 10 p. A281.29 B17  
Outlook for cooperatives and extension work.
- 108783 CEYLON. DEPT. OF THE COMMISSIONER OF CO-OPERATIVE DEVELOPMENT. Report of the Ceylon co-operative movement for 1961-62. Colombo, 1964. 94 p. 280.29 C334  
Text also in Sinhalese.
- 108784 DUMOLIN, J. The merger of agricultural co-operatives. (Fr) Inform. et Doc. Agr. 18(13): 28-35. July 1, 1964. 14 In32  
Legal aspects.
- 108785 GFRERER, H. Problems of the day in cooperation. (Ge) Landwirt. Genossenschfragen. 11: 7-19. 1963. 280.28 L232
- 108786 HARDY, C. E. List of publications, FCS. U. S. Farmer Coop. Serv. Inform. 4, rev., 122 p. July 1964. A280.29 F22I
- 108787 JAGGI, E. The agricultural cooperative in the structural change of the economy. (Ge) Deut. Raiffeisentag. Verhandlber. 1963:86-97. 284.29 D485
- 108788 KLEISS, H. Educational problems in cooperation. (Ge) Landwirt. Genossenschfragen. 11: 99-110. 1963. 280.28 L232
- 108789 LAMBERT. Problems of administrative and accounting management in agricultural co-operatives. (Fr) Inform. et Doc. Agr. 18(13):23-25. July 1, 1964. 14 In32
- 108790 LEEMAN, F. W. Co-operation in Nottingham; a history of one hundred years of Nottingham Co-operative Society, Ltd. Nottingham, Nottingham Co-op. Soc., 1963. 176 p. 280.29 N842
- 108791 LOU, T. S. Cooperatives and profit. (Ch) Co-op. Q. 1(3):1-8. Oct. 1, 1963. 280.28 Q2  
Consumer cooperatives.
- 108792 OGUNI, H. One section of "cooperative economics." (Ja) Nogyo to Keizai 29(12):18-22. Dec. 1963. 281.8 N682  
Cooperative organizations in Japan.
- 108793 OYAMADA, S. The food control system and cooperative finance. (Ja) Norin Kinyu 16(11): 2-3. Nov. 1963. 284.28 N77
- 108794 SCHACK, G. The troublesome road of cooperation. (Ge) Mitt. der Deut. Landwirt.-Gesell. 79(26):945-946, 956, 958. June 25, 1964. 18 N39
- 108795 SHOU, I. Farmland readjustment and cooperatives. (Ch) Co-op. Q. 1(3):57-59. Oct. 1, 1963. 280.28 Q2
- 108796 STROBL, L. The ideal and economic importance of cooperative solidarity. (Ge) Landwirt. Genossenschfragen. 11:21-34. 1963. 280.28 L232  
Austria.
- 108797 TANG, J. Y. A study on the revision of "The Provisional Bylaws Governing the Farmers' Associations at Different Levels in Taiwan." (Ch) Co-op. Q. 1(3):45-49. Oct. 1, 1963. 280.28 Q2  
Cooperatives.
- 108798 URAS, T. G. The role of cooperatives in the agrarian reform. (Tu) Karınca Koop. Postasi 31(330):19-22. June 1964. 280.28 K14
- 108799 VERBAND OSTSCHWEIZERISCHER LANDWIRTSCHAFTLICHER GENOSSENSCHAFTEN. 77. Jahresbericht, Januar-Dezember 1963 [77th annual report, January-December 1963]. Winterthur, 1964. 62 p. 280.29 V58J
- 108800 WEIGERT, G. The Arabian cooperative movement in the State of Israel. (Ge) Z. f. das Gesam. Genossenschw. 14(1):69-75. First Q. 1964. 286.8 Z3  
Agricultural cooperatives included.

#### RURAL SOCIAL PSYCHOLOGY

- 108801 ALBRECHT, H. The theoretical approach of American adoption research; a critical analysis for orientation of extension research. (Ge) Hohenheim. Landwirt. Hochsch. Arb. 26:9-57. Ref. 1964. 105.8 H686A  
English summary.
- 108802 ENGEL, H. F. A topical consumer quiz: do we still need an agriculture? (Ge) Agros [Hannover] 9(7):21-22. July 1964. 18 Ag83.
- 108803 HARIS, J. By what is the acceptance of extension advice influenced? (Ge) Hohenheim. Landwirt. Hochsch. Arb. 26:85-105. 1964. 105.8 H686A  
English summary.
- 108804 HESS, G. Work of the Stadt und Land organization. (Ge) Diplomlandwirt 14(7/8):164-165. July/Aug. 1964. 18 D62
- 108805 HRUSCHKA, E. Psychological bases of extension reactions. (Ge) Hohenheim. Landwirt. Hochsch. Arb. 26:107-135. Ref. 1964. 105.8 H686A  
English summary.
- 108806 MCARTHUR, A. T. G. Human factors and increased farm output. New Zeal. Inst. Agr. Sci. Proc. 9:201-215. 1963. 23 N489P  
Includes discussion.
- 108807 SCHWARZWELLER, H. K. Family ties, migration, and transitional adjustment of young men from eastern Kentucky. Ky. Agr. Expt. Sta. B. 691, 39 p. Ref. May 1964. 100 K41  
U. S. Dept. of Agriculture, cooperating.
- 108808 TALMON, Y. Mate selection in collective settlements. Amer. Sociol. Rev. 29(4):491-508. Aug. 1964. 280.8 Am37  
Israel.
- 108809 YONEYAMA, T. The impact on Japanese farmers of a visit to the United States. (Ja) Nogyo to Keizai 30(2):22-27. Feb. 1964. 281.8 N682  
Attitudes.

#### TRADE, FOREIGN AND INTERNATIONAL

- 108810 ANGELDIS, A. D. Our agricultural imports. U. S. D. A. Ybk. Agr. 1964:370-374. 1 Ag84Y
- 108811 BALASUBRAMANIAN, M. Agricultural exports and economic development. Indian J. Agr. Econ. 19(1):45-50. Jan./Mar. 1964. 281.8 In2
- 108812 BANCO NACIONAL DE COMERCIO EXTERIOR. Comercio exterior de Mexico [Foreign trade of Mexico], 1962. Mexico, D. F., 1964. 965 p. 286.9 B223C  
Statistics.

- 108813 BARBADOS. STATISTICAL SERV. Overseas trade 1962. Barbados, 1963. 337 p. 254.8 B2320
- 108814 BERTRAM, F. U. S. tobacco exports hit half billion dollar mark. Tobacco [New York] 159 (5):48-49. July 31, 1964. 286.89 T552
- 108815 BURTON, G. W. The agronomist and food for peace. Amer. Soc. Agron. ASA Spec. P. 1:1-5. Apr. 1963. 64.9 Am3
- 108816 BUTTERWICK, M. Prospects for Indian tea exports. Internat. J. Agr. Aff. 4(4):205-249. June 1964. 281.8 In82
- 108817 CASTELO-BRANCO, F. Exports of wine during the first dynasty. (Por) Soc. de Geog. de Lisboa. B. 81(1/6):51-69. Ref. Jan./June 1963. 506 L68  
English summary.  
Portuguese wine in the Middle Ages.
- 108818 COLOMBIA. DEPT. ADMIN. NACIONAL DE ESTADISTICA. Anuario de comercio exterior [Foreign trade annual] 1962. n.p., 1964. 876 p. 255.5 C712
- 108819 CUPERLY, M. The importation of American canned fruit and vegetables. (Fr) Pepinieristes Hort. Maraichers 48:2179-2180. June/July 1964. 80 P39  
France.
- 108820 DALMASSO, G. Always clouds on the horizon of our horticultural exports. (It) Colt. e Gior. Vinic. Ital. 110(6):223-225. June 1964. 16 C72
- 108821 DEFELICE, A. R. General Agreement on Tariffs and Trade. U. S. D. A. Ybk. Agr. 1964: 476-481. 1 Ag84Y
- 108822 DEVI, P. K. Changes in the quantity and pattern of agricultural exports of India. Indian J. Agr. Econ. 19(1):24-31. Jan./Mar. 1964. 281.8 In2
- 108823 DRIEUX, H. Exchange of fresh meats. (Fr) RTVA 3(13):29. July/Aug. 1963. 50.8 R322  
European Economic Community sanitary regulations.
- 108824 EDWARDS, J. A. Beef imports and the U. S. beef cattle market. Oreg. Agr. Expt. Sta. Spec. Rpt. 178, 28 p. 1964. 100 Or3M
- 108825 ELLIOT, R. The U.S. market for fresh fruits and vegetables produced in Guatemala. (Sp) Rev. Cafetal. 29:12-18. (Concl.) Jan. 1964. 68.28 R322
- 108826 ELROD, W. E. International financial services. U. S. D. A. Ybk. Agr. 1964:508-514. 1 Ag84Y  
Agricultural Trade Development and Assistance Act of 1954 and various international credit agencies.
- 108827 ELROD, W. E. Monetary problems and trade. U. S. D. A. Ybk. Agr. 1964:321-325. 1 Ag84Y  
Especially in developing areas.
- 108828 ENGSTROM, G. The egg crisis. (Sw) Honsgarden 1:2-3. In Tidskr. f. Lantman och Andelsfolk 3. Feb. 15, 1964. 20 T43  
Chiefly export and prices of eggs in Finland.
- 108829 EPSZTEIN, T. Export of eggs and poultry products. (Pol) Drobiarstwo 12(7):19-20. July 1964. 47.8 P953
- 108830 FIJI. Trade report for the year 1963. Suva, 1964. (Legislative Council of Fiji. Council Paper No. 14 of 1964). 192 p. 256.02 F47
- 108831 FOSS, W. O. Scandinavian scene; U.S. exports remain high; future is uncertain. Tobacco. [New York] 159(5):146-149. July 31, 1964. 286.89 T552
- 108832 FREW, S. Canterbury peaches to Hong Kong. New Zeal. J. Agr. 108(6):565. June 15, 1964. 23 N48J
- 108833 GASTINEAU, R. L. Preferential trade agreements. U. S. D. A. Ybk. Agr. 1964:482-486. 1 Ag84Y  
Especially Europe.
- 108834 GERMEK, E. Imports of seedlings of nutmeg from New Guinea. (Por) Agronomico 14(7/8):1-4. July/Aug. 1962. 9.2 Ag894  
To Brazil.
- 108835 GIBBONS, C. A. Background of trade. U. S. D. A. Ybk. Agr. 1964:314-320. 1 Ag84Y  
International.
- 108836 HALLGREN, A. The international sugar market, 1963. (Sw) Sveriges Betodlares Centfor. Tidskr. 27, i.e. 28(1):11-12, 14-16. 1964. 66.9 Sv22
- 108837 HECKMAN, J. H. Cooperatives in world trade. U. S. D. A. Ybk. Agr. 1964:346-357. 1 Ag84Y
- 108838 HEDGES, I. R. The Trade Expansion Act [of 1962]. U. S. D. A. Ybk. Agr. 1964:379-384. 1 Ag84Y
- 108839 HENDERSON, H. W. Public programs to share food. U. S. D. A. Ybk. Agr. 1964:514-518. 1 Ag84Y  
Abroad.
- 108840 HORRING, J. The protection of agriculture in the E.E.C. I. (Du) Econ.-Statis. Ber. 49(2449):644-645, 651. July 22, 1964. 280.8 Ec722  
Market regulation.
- 108841 HOWARD, J. O. The requirements of buyers. U. S. D. A. Ybk. Agr. 1964:384-391. 1 Ag84Y  
Food trade; includes grading.
- 108842 HUME, D. L. Cooperative programs. U. S. D. A. Ybk. Agr. 1964:392-398. 1 Ag84Y  
Developing foreign food markets.
- 108843 IOANES, R. A. Our agricultural trade policies. U. S. D. A. Ybk. Agr. 1964:358-364. 1 Ag84Y
- 108844 JAPAN. MINISTRY OF FINANCE. The trade of Japan, Jan.-Dec. 1963. Tokyo, 1964. 513 p. 269.7 F49M
- 108845 JHA, S. C. The strategy of agricultural export in India's economic development. Indian J. Agr. Econ. 19(1):51-58. Jan./Mar. 1964. 281.8 In2
- 108846 KATYAL, S. L. Indian bananas have many buyers abroad. Indian Farming 14(1):16-18. Apr. 1964. 22 In283
- 108847 KRAUSE, H. Situation and outlook of our industry on the large market. (Ge) Indus. Obst- u. Gemuseverwert. 49(13):387-392. July 2, 1964. 389.8 K832
- 108848 KROGH, K. K. The trade fairs program. U. S. D. A. Ybk. Agr. 1964:403-405. 1 Ag84Y
- 108849 LAURIDSEN, L. A good hog year. (Da) Landbonyt 18(2):42, 44-45. Feb. 1964. 11 L2322  
Possibilities for pork and bacon export.
- 108850 LEROY, J. Jamaica peppers and fresh sweet pimentos. (Fr) Pepinieristes Hort. Maraichers 41:1657-1659. Nov. 1963. 80 P39  
French trade.
- 108851 LINK, R. O. Bartering farm products. U. S. D. A. Ybk. Agr. 1964:398-399. 1 Ag84Y  
To develop foreign markets.
- 108852 LLOYD, E. M. H., and others. Commodity agreements and EEC farm policy. Planning 30 (480):149-209. May 11, 1964. 280.8 P693  
E. H. Whetham, R. M. Campbell, and M. Forsyth, joint authors.
- 108853 MCCABE, T. W. Controls of imports. U. S. D. A. Ybk. Agr. 1964:374-379. 1 Ag84Y  
Quotas, chiefly.
- 108854 MACKIE, A. B., and BACHMAN, K. L. Economic growth and trade. U. S. D. A. Ybk. Agr. 1964:326-329. 1 Ag84Y  
Especially food trade with developing areas.
- 108855 MANTILLA, F. Wheat, new arm of peace or war. (Sp) Pan 11(126):21-26. Apr. 15, 1964. 389.8 P192
- 108856 MATHIEU, Exchange of living cattle and swine. (Fr) RTVA 3(13):26-28. July/Aug. 1963. 50.8 R322  
European Economic Community sanitary regulations.
- 108857 MEADE, J. E. International commodity agreements. Lloyds Bank Rev. 73:28-42. July 1964. 284.8 L77
- 108858 MILLS, T. East-West agricultural trade. U. S. D. A. Ybk. Agr. 1964:338-345. 1 Ag84Y
- 108859 MISRA, D. C., and DAS, B. Agricultural exports and economic development; an analysis of the trend in India. Indian J. Agr. Econ. 19(1):31-38. Jan./Mar. 1964. 281.8 In2
- 108860 MONTEL, J. E. The European Economic Community. U. S. D. A. Ybk. Agr. 1964:458-475. 1 Ag84Y  
Agricultural trade.
- 108861 MURPHY, P. J. Regional economic groups. U. S. D. A. Ybk. Agr. 1964:453-457. 1 Ag84Y  
Customs unions.
- 108862 NIHON BOEKI SHINKOKAI. Yunyu norin suisan-butsu no genkyo [The present situation of agricultural, forestry and fishery products for trade], 1963. Tokyo, 1963. 326 p. 286.9 N572Y



- 108863 NORWAY. STATENS KORNFORRETNING. Melding [Report] XXXV, 1963. Oslo, 1964. 71 p. 287 N83
- 108864 NORWAY. STATISTISK SENTRALBYRA. Utenrikshandel. External trade, 1963, volume 1. Oslo, 1964. 257 p. (Norges Offisielle Statistikk XII 136) 257.2 S2t  
Table of contents also in English.
- 108865 ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT. Foreign trade. Series B. Analytical abstracts, Jan.-Dec. 1963. 3. Denmark, Greece, Spain, Switzerland. n.p., 1964. 64 p. (OECD Statistical Bulletins) 286.9 Or32Ob  
Text also in French.
- 108866 PARKER, J. Expanding foreign markets for United States leaf. Tobacco [New York] 159(5): 40-41. July 31, 1964. 286.89 T552
- 108867 PETZALL, E. B. Venezuela forbids cheese imports. (Ge) Osterr. Milchwirt. 19(7):120-121. Apr. 7, 1964. 44.8 Os72
- 108868 PLAYFAIR, G. "Teach a man to fish—" the story of Food for Peace. Braz. Business 44 (5):20-25, 27. May 1964. 286.8 B732
- 108869 PORTUGAL. INSTITUTO NACIONAL DE ESTADISTICA. Comercio externo Volume II, Comercio por paises e mercadorias [Foreign trade, Volume II, trade by countries and commodities], 1963. Lisboa, 1964. 474 p. 264 F492
- 108870 PROTO, M. Again on the orange crisis. (It) Rass. dell'Agr. Ital. 19(4):31-32. Apr. 1964. 281.8 R18  
Trade.
- 108871 RABANAL LUIS, M. Some more on the so-called "poultry war." (Sp) Avicult. Tec. 15(1): 4, 7-8. Jan. 1964. 47.8 Av57  
The European Common Market and the poultry industry.
- 108872 RAEDER, C. E. Sales programs for dollars. U. S. D. A. Ybk. Agr. 1964:400-402. 1 Ag84Y  
Chiefly surplus commodities trade.
- 108873 RAO, P. S. Indian tobacco exports show significant increase. Tobacco [New York] 159(5):88-89, 168. July 31, 1964. 286.89 T552
- 108874 RAO, P. S. Tobacco Export Promotion Council of India. Tobacco [New York] 159(5):90, 168. July 31, 1964. 286.89 T552
- 108875 RIDLER, D. Difficulties of the commodity agreement approach for meat marketing. Massey Agr. Col. Sheepfarming Annu. 1963:7-19. 45.9 M38S  
New Zealand.
- 108876 ROBERTS, R. H. Trading by governments. U. S. D. A. Ybk. Agr. 1964:330-338. 1 Ag84Y  
Agricultural commodities.
- 108877 ROUY, Y. Communication relative to the past agricultural season. III. The meat market and setting up of the common agricultural policy. (Fr) Acad. d'Agr. de France. Compt. Rend. 50 (7):619-626. Apr. 22/29, 1964. 14 P215Bc  
Includes discussion.
- 108878 ST. CLAIR, J. S. Meat imports. Wyo. Wool Grower 37(4):10, 15. Apr. 1964. 280.38 W99
- 108879 SAUERMILCH, W. How Indonesian tobacco is sold on Bremen market. Tobacco [New York] 159(5):138-140. July 31, 1964. 286.89 T552
- 108880 SCHOLL, J. C. Commodity agreements. U. S. D. A. Ybk. Agr. 1964:486-494. 1 Ag84Y  
International.
- 108881 SHARMA, S. D. Trends in India's pepper exports. Agr. Situation India 18(11):773-779. Feb. 1964. 281.9 In23
- 108882 SIEGEL, O. Important rise in food exports of the Netherlands. (Ge) Fette, Seifen, Anstrichmitl. 66(7):555-556. July 1964. 384 C422
- 108883 SIMON, P. J. Export trade of Kerala State. Indian J. Agr. Econ. 19(1):39-45. Jan./Mar. 1964. 281.8 In2
- 108884 SINHA, S. N. Agricultural exports and economic growth. Indian J. Agr. Econ. 19(1):58-64. Jan./Mar. 1964. 281.8 In2
- 108885 SPURLOCK, H. H. Trends and developments in Japan's economy affecting the market for U.S. farm products, 1950-1962. U. S. D. A. Foreign Agr. Econ. Rpt. 16, 79 p. Ref. May 1964. A281.9 Ag8F
- 108886 STEIN, E. Cocoa, coconuts, and confectionery in the foreign trade of the Scandinavian countries. (Ge) Rev. Internatl. de la Choc. 19(6): 269-276. June 1964. 68.38 R32
- 108887 STERNBERG, R. The potential of the export market to British cattle breeders. Brit. Cattle Breeders' Club. Dig. 19:117-122. 1963. 43.9 B775
- 108888 SUDAN. DEPT. OF STATISTICS. Annual foreign trade statistics, 1963. n.p., 1964. 263 p. 270 Su22Fo  
Text also in Arabic.
- 108889 SWITZERLAND. DIRECTION GENERALE DES DOUANES. Statistique du commerce suisse: rapport annuel 1963. Ire partie, fournisseurs et debouches [Statistics of Swiss trade: annual report 1963. Part I, Suppliers and outlets]. Berne, 1964. 146 p. 262 D85R
- 108890 THALHEIM, K. C. Objectives, methods, and results of economic integration between the East and the West. (Ge) Zucker 16(21):581-587. Nov. 1, 1963. 65.8 Z82  
European trade.
- 108891 THASSITIS, B. West Germany major buyer of Greek burley crops. Tobacco [New York] 159 (5):127. July 31, 1964. 286.89 T552
- 108892 TONTZ, R. L., and RAHE, D. H. Our agricultural exports. U. S. D. A. Ybk. Agr. 1964:365-369. 1 Ag84Y
- 108893 U. S. BUR. OF INTERNATIONAL COMMERCE. Colombia; a market for U. S. products. Washington, 1964. 64 p., map. 157.55 C71  
Supplement to International Commerce.  
U. S. Trade Missions Program.
- 108894 U. S. BUR. OF INTERNATIONAL COMMERCE. GATT; General Agreement on Tariffs and Trade. Washington, 1964. 16 p. 157.55 G283
- 108895 U. S. BUR. OF INTERNATIONAL COMMERCE. Market for U. S. products in Nigeria. Washington, 1964. 72 p., map. 157.55 M345  
Supplement to International Commerce.  
U. S. Trade Missions Program.
- 108896 U. S. BUR. OF INTERNATIONAL COMMERCE. Report of the 1963 trade mission to Kenya, Tanganyika, Uganda. Washington, 1964. 49 p., map. 157.55 R2922  
Supplement to International Commerce.  
U. S. Trade Missions Program.
- 108897 U. S. BUR. OF INTERNATIONAL COMMERCE. Report of the 1964 trade mission to Australia. Washington, 1964. 33 p., map. 157.55 R2923  
Supplement to International Commerce.  
U. S. Trade Missions Program.
- 108898 U. S. BUR. OF INTERNATIONAL COMMERCE. Report of the 1964 trade mission to Germany. Washington, 1964. 24 p. 157.55 R292  
Supplement to International Commerce.  
U. S. Trade Missions Program.
- 108899 U. S. BUR. OF INTERNATIONAL COMMERCE. Report of the 1964 trade mission to New Zealand. Washington, 1964. 32 p., map. 157.55 R2925  
Supplement to International Commerce.  
U. S. Trade Missions Program.
- 108900 U. S. BUR. OF INTERNATIONAL COMMERCE. Report of the 1964 trade mission to Venezuela. Washington, 1964. 29 p., map. 157.55 R2924  
Supplement to International Commerce.  
U. S. Trade Missions Program.
- 108901 U. S. BUR. OF INTERNATIONAL COMMERCE. Venezuela; a market for U. S. products, by R. Rodriguez. Washington, 1964. 65 p., map. 157.55 V55  
Supplement to International Commerce.  
U. S. Trade Missions Program.
- 108902 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Beef imports. Hearing, 88th Cong., 2d sess., January 9, 1964. Washington, 1964. 26 p. 50 Un32B
- 108903 U. S. CONGRESS. SENATE. COMMITTEE ON FINANCE. Coffee. Hearings, on H.R. 8864, an act to carry out the obligations of the United States under the International Coffee Agreement, 1962, signed at New York on September 28, 1962, and for other purposes, February 25, 26, and 27, 1964. Washington, 1964. 204 p. 286.368 Un312

- 108904 U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Statistics on the European Economic Community. 1. Agricultural trade and finance. U. S. D. A. Econ. Res. Serv. ERS-Foreign-43,236 p.,map. Dec.1962. A281.9 Ag83
- 108905 U. S. FEDERAL EXTENSION SERV. The world's stake in U.S. agriculture. Washington, 1963. 6 p.-folder. A280.3 F31W Exports and relief programs.
- 108906 U. S. FOREIGN AGRICULTURAL SERV. Prospects for foreign trade in fruits, vegetables, tree nuts. Washington, 1964. 30 p. A286.9 F76Pr
- 108907 VEYRAC, M. DE The future regulation of sugar in the European Economic Community. (Fr) Sucr. Franc. 105(5):136-140. May 1964. 65.8 J82
- 108908 WARD, F. L. Export prospects for New Zealand beef. Canterbury Chamber Com. Agr. B. 419,5 p. July 1964. 23 C162
- 108909 WICKIZER, V. D. International collaboration in the world coffee market. Food Res. Inst. Studies 4(3):273-304,map. Ref. 1964. 389.8 F7382



## FOOD AND HUMAN NUTRITION

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on cookery and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

## GENERAL

- 108910 ASTRAND, P. O. Nutrition and sports performance. (Sw) *Naringsforskning* 8(2):61-70. Ref. 1964. 389.9 N16
- 108911 BACKHAUS, E. Truth and clarity for dietetic foods. (Ge) *Ernahr.-Umschau* 11(1):18-19. Jan.1964. 389.8 Er66
- 108912 COOPER, L. F. Nutrition in health and disease. Ed. 14. Philadelphia, Lippincott, 1963. 615 p. 389.1 C78
- 108913 COWAN, J. W., CHOPRA, S., and HOURY, G. Dietary survey in rural Lebanon. *Amer. Dietet. Assoc. J.* 45(2):130-133. Aug.1964. 389.8 Am34  
Includes food habits.
- 108914 FELIX CHAVEZ, J. Selenium: controversial element in nutrition. (Sp) *Arch. Venezol. de Nutr.* 13(2):139-171. Ref. 1963. 389.8 Ar22  
English summary.
- 108915 FITZPATRICK, W. H. Soviet research in nutrition. I.C.R.S. [Inst. Contemp. Russ. Stud.] *Med. Rep. Monogr. Soviet Med. Sci.* 4,111 p. 1963. 448.8 Ic7  
Bibliography, chiefly.
- 108916 FORSCHBACH, E. Thoughts on health nutritional extension. (Ge) *Ernahr.-Umschau* 11(3):53-54. Mar.1964. 389.8 Er66
- 108917 GASSMANN, B., and HAENEL, H. Problem of meeting the vitamin requirements in early infancy. (Ge) *Potsdam. Inst. f. Ernahr. Ernahrforsch.* 9(1):16-28. Ref. 1964. 386.3 P84
- 108918 GRAFE, H. K., and SCHMIDT, H. E. Graphic nutritional balances; a contribution to the representation of the nutritional situation in large geographic regions. 2. (Ge) *Potsdam. Inst. f. Ernahr. Ernahrforsch.* 9(1):7-15, map. 1964. 386.3 P84
- 108919 GRAFE, H. K. Nutritional sociology. (Ge) *L und E* 17(6):4-6. Ref. June 1964. 389.8 Z34
- 108920 GUGIN, A., and PRIKLONSKII, V. Dry milk for babies. (Rus) *Moloch. Promysh.* 3:31-32. Mar.1964. 44.8 M734
- 108921 HARVEY, D. Family diet and health in pre-war Britain. In Cuthbertson, D. P., ed. *Progress in nutrition and allied sciences*, p.323-328. Ref. 1963. 389.7 C97P
- 108922 LAYTON, T. A. Choose your vegetables. London, Duckworth, 1963. 174 p. 91 L452  
Chiefly cookery.
- 108923 LEON GARRE, A. Considerations on an exemplary institution. (Sp) *Cult. Mod.* 47(1):8-10. Jan.1964. 15 C89  
Work of the foundation Meals for Millions and the multipurpose food program.
- 108924 LEVEILLE, G. A., SAÜBERLICH, H. E., and MCDOWELL, M. E. Nutrient content of various algae and amino acid adequacy for growth of rats and chicks. *Biol. Space Syst. Symp.* [Pap.] 1962:405-419. Ref. 1963. 159.21 B52  
Possibility for use in space flight.
- 108925 METZLER, G. F. Outdoor cookery. *Ark. U. Agr. Ext. C.* 517,17 p. Apr.1963. 275.29 Ar4
- 108926 MORRISON, A. B. Trace elements in human nutrition. *Canad. Nutr. Notes* 20(6):61-64. June/July 1964. 389.9 C168
- 108927 NATIONAL DAIRY COUNCIL. Nutritional status of the teen-ager. *Dairy Coun. Dig.* 35(1):1-4. Ref. Jan./Feb.1964. 389.8 D14
- 108928 ODELL, L. D. Nutrition survey spurs teens to action. *Nutr. News [Chicago]* 27(1):3. Feb. 1964. 389.8 N957
- 108929 PHIPARD, E. F., and KIRBY, R. H. Nutritional status of the world. *U. S. D. A. Ybk. Agr.* 1964:37-43. 1 Ag84Y
- 108930 RANDOLPH, B. Yeast breads and rolls. *Ark. U. Agr. Ext. C.* 523,13 p. June 1964. 275.29 Ar4  
Recipes.
- 108931 RIVOLIER, J. I.G.E.G. rations. (Fr) *Aliment. et la Vie* 52(1/3):70-93. 1964. 389.9 SolB  
International Glaciological Expedition to Greenland.
- 108932 ROY, J. K., and BISWAS, S. R. Proteins in the diets of some Indian tribes. *Sci. & Cult.* 30(3):126-129. Mar.1964. 475 Sci24
- 108933 SATO, T., and GOTO, T. Studies on the nutritional improvement of the farming village diets. 2. (Ja) *Jap. Soc. Food & Nutr. J.* 16(6):53-59. 1964. 389.9 J27  
English summary.
- 108934 STIEBELING, H. K., and LEVERTON, R. M. Problems in human nutrition. *U. S. D. A. Ybk. Agr.* 1964:558-564. 1 Ag84Y  
Deficiencies.
- 108935 THOMSON, A. M. Reproduction and diet. In Cuthbertson, D. P., ed. *Progress in nutrition and allied sciences*, p.329-337. Ref. 1963. 389.7 C97P  
Humans.
- 108936 TRUEMAN, H. L. Hunger unlimited. *Canad. Geog. J.* 69(2):64-77. Aug.1964. 470 C162
- 108937 TURNER, C. N. Some observations on nutrition education in America. *Food & Nutr. Notes & Rev.* 20(9/10):115-125. Sept./Oct.1963. 389.9 Au73
- 108938 U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Apples in appealing ways. *U. S. D. A. L.* 312, slightly rev., 20 p. May 1964. 1 Ag84Hg
- 108939 U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Peanut and peanut butter recipes. *U. S. D. A. Home & Gard. B.* 36, slightly rev., 20 p. June 1964. 1 Ag84Hg
- 108940 VAN REEN, R., and others. Nutrition of recruits during a summer habitability study. *Amer. Dietet. Assoc. J.* 45(2):117-123. Aug. 1964. 389.8 Am34  
D. Minard, A. R. Dasler, N. R., and R. A. Nelson, joint authors.
- 108941 VOGT, C. School feeding in the CSSR. (Ge) *Potsdam. Inst. f. Ernahr. Ernahrforsch.* 9(1):77-78. 1964. 386.3 P84
- 108942 WEISS, M. G., and LEVERTON, R. M. World sources of protein. *U. S. D. A. Ybk. Agr.* 1964:44-52. 1 Ag84Y
- 108943 WIRTHS, W. Coordination of scientific recommendations and practical requisites in large-scale cookery. (Ge) *Ernahr.-Umschau* 10(12):280-284. Dec.1963. 389.8 Er66  
Problem of nutrition and nutritional requirements.
- 108944 WISCONSIN. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Vegetables in our meals. *Wis. Agr. Col. Ext. C.* 629, rev., 32 p. May 1964. 275.29 W75C
- 108945 WORKING session "Civilization and nutrition-consumer education and nutritional advisory work." (Ge) *Ernahr.-Umschau* 10(12):285-286. (Concl.) Dec.1963. 389.8 Er66  
Summary of papers.

## FOOD HABITS

- 108946 CAMPBELL, R. M., and CUTHBERTSON, D. P. Factors influencing man's selection of foods. In Cuthbertson, D. P., ed. *Progress in nutrition and allied sciences*, p.395-420. Ref. 1963. 389.7 C97P
- 108947 KLAARBERGEN, F. T. VAN. Casuistics of food consumption in the Netherlands. (Du) *Voeding* 25(6):331-343. June 15, 1964. 389.8 V85  
Habits.
- 108948 MCKENZIE, J., and YUDKIN, J. The food we fancy. *Food & Nutr. Notes & Rev.* 20(9/10):126-129. Sept./Oct.1963. 389.9 Au73
- 108949 RETTENMAIER, G. On food prejudices: for and against pudding. (Ge) *Ernahr.-Umschau* 11(6):149-150. June 1964. 389.8 Er66

## NUTRITIVE AND VITAMIN CONTENT

- 108950 BARAUD, J., GENEVOIS, L., and HEBRE, C. Ascorbic acid in wine. (Fr) Off. Internat. de la Vigne et du Vin. B. 37(399):484-489. Ref. May 1964. 390.8 B87
- 108951 BREMER. Table potatoes as nutritional foundation. (Ge) Kartoffelbau 14(12):280-281. Dec. 1963. 75.8 K145
- 108952 BRING, S. V., and RAAB, F. P. Total ascorbic acid in potatoes. Amer. Dietet. Assoc. J. 45(2): 149-152. Ref. Aug. 1964. 389.8 Am34
- 108953 FUJIWARA, K., and FUKUHARA, T. Studies on nutritional coefficient of food. V-VI. (Ja) Jap. Soc. Food & Nutr. J. 16(6):37-47. 1964. 389.9 J27  
English summary.
- 108954 HALDEN, W. Nutritional and physiological evaluation of sterile milk. (Ge) Osterr. Milchwirt. 19(13):234-236. Ref. July 7, 1964. 44.8 Os72
- 108955 HAWK, R. L. Are you wasting your acorns? Org. Gard. & Farming 11(9):35-37. Sept. 1964. 57.8 Or32  
Nutritive value.
- 108956 KANDATSU, M., and YASUI, T. The nutritive value of Chlorella protein. 3. (Ja) Jap. Soc. Food & Nutr. J. 16(6):22-27. 1964. 389.9 J27  
German summary.
- 108957 KANTOR, I. Egg: nutrient and medicine. (Hu) Baromfitenyesztes 8(1):11-12. Jan. 1964. 47.8 B262
- 108958 KARLSTROM, O. The vitamin B12 content of marine algae. Norsk Inst. f. Tang- og Tareforsk. Rpt. 29, 10 p. Ref. 461.4 N81
- 108959 KIK, M. C. Nutritional improvement of rice and its byproducts with high protein foods—continued studies. Rice J. 67(7):18, 20. June 30, 1964. 59.8 R36
- 108960 MANN, I. Game animals as meat sources: vitamin content and amino acid composition of some African game animals. J. Agr. & Food Chem. 12(4):374-376. Ref. July/Aug. 1964. 381 J8233
- 108961 MARTIN, H. F., and HALTON, P. Addition of different iron salts to flour: the factor of rancidity. J. Sci. Food & Agr. 15(7):464-468. July 1964. 382 So12
- 108962 PAOLIS, P. DE, and GREGORY, M. E. Vitamins of the B group in buffalo milk. (It) Acta Med. Vet. 9(3/4):207-214. Ref. May/Aug. 1963. 41.8 Ac84  
English summary.
- 108963 PORTER, J. W. G., and GARTON, G. A. Reviews of the progress of dairy science. Section D. Nutritive value of milk and milk products. I-II. J. Dairy Res. 31(2):201-220. Ref. June 1964. 44.8 J823  
Proteins and fat.
- 108964 RAUSCH, F. Diagnostic diets. (Ge) Ernähr.-Umschau 11(6):154, 156-158. (Cont.) June 1964. 389.8 Er66  
Includes food tables with calories and nutrients.
- 108965 ROMPP, H. Ascorbic acid, an important vitamin with broad distribution. (Ge) Kosmos 59(10):429-434. Oct. 1963. 474 K842  
Chiefly in fruits and vegetables; includes chemistry.
- 108966 ROMPP, H. Vitamin B1—the nerve vitamin. (Ge) Kosmos 59(12):518-522. Dec. 1963. 474 K842  
Includes list of foods rich in this vitamin.
- 108967 RUSOFF, L. L. The role of milk in modern nutrition. Borden's Rev. Nutr. Res. 25(2/3):17-49. Ref. Apr./Sept. 1964. 389.8 B64
- 108968 SCHULZ, M. E. Milk, milk products, and milk food in dietetics. (Ge) Milchwissenschaft 19(6):290-302. Ref. June 1964. 44.8 M5933  
English summary.
- 108969 SHEFNER, A. M., KING, M. E., and KOHN, B. Enzymatic digestion of algal cells. Biol. Space Syst. Symp. [Pap.] 1962:391-404. Ref. 1963. 159.21 B52  
Nutritional value.
- 108970 SHURPALEKAR, S. R., and others. Supplementary value of precooked roller-dried protein foods based on full-fat soya flour and low-fat groundnut flour to a poor Indian rice diet. J. Sci. Food & Agr. 15(6):373-377. Ref. June 1964. 382 So12  
S. Korula, A. A. Joseph, L. Parthasarathy, M. R. Chandrasekhara, M. Swaminathan, A. Sreenivasan, and V. Subrahmanyam, joint authors.
- 108971 SIEDLER, A. J., KIZLAITIS, L., and DEIBEL, C. Nutritional quality of variety meats. Amer. Meat Inst. Found. B. 54, 22 p. Jan. 1963. 50.9 Am322
- 108972 VANDERVEEN, J. E., and others. Nutritional value of algae grown under sterile conditions. Biol. Space Syst. Symp. [Pap.] 1962:357-364. Ref. 1963. 159.21 B52  
E. G. Sander, C. M. Cox, and K. M. Offner, joint authors.  
Possible food source for space flights.
- 108973 VENZMER, G. The latest on the nutrition of youth. (Ge) Kosmos 59(12):539-541. Dec. 1963. 474 K842



MISCELLANEOUS

Publications of the U. S. Department of Agriculture, State Agricultural Experiment Stations, and State Agricultural Extension Services on home management, personnel, and other subjects not ordinarily covered in the Bibliography of Agriculture will be included in this list.

## GENERAL

- 108974 ABBOTT, D. C., and CROSBY, N. T. Instrumentation in the analysis of pesticide residues. *Chem. Trade J. & Chem. Engin.* 17(4023):81,94. July 17, 1964. 382 C422
- 108975 ANDERSON, R. J. Pesticides and precautions—we need both; talk before Symposium on Pesticides, Food Additives, and Public Health, 91st annual meeting, American Public Health Association, Kansas City, Mo., Nov. 11, 1963. Washington, U. S. Agr. Res. Serv., 1963. 6 p. A31.3 An2
- 108976 ARKANSAS ACADEMY OF SCIENCE. Proceedings, v. 16, 1962. Fayetteville, 1962. 57 p., map. 500 Ar42
- 108977 ARZAMATSEVA, L. V. Farm fishponds of Czechoslovakia. (Rus) *Priroda* [Moscow] 6: 85-88. 1964. 410 P933
- 108978 ASSOCIATION OF SOUTHERN FEED, FERTILIZER AND PESTICIDE CONTROL OFFICIALS. Official publication, 1963-1964. n.p., 1963. 389.79 As7
- 108979 BEAULIEU, A. A. The growers' viewpoint. *Can. Agr. Chem. Ass. Annu. Meeting Conf.*, 11th Annu. Meeting Conf.:54-57. 1963. 381 C163  
Hazards and safeguards in economic poisons.
- 108980 BOCQUET, H. Natural and artificial radioactivity. (Fr) *Cahiers de Med. Vet.* 33(4):109-144. Ref. July/Aug. 1964. 41.8 C11  
Radiation effects; includes agricultural applications.
- 108981 BOURLIERE, F. A new balance between man and nature. *New Sci.* 22(390):349-350. May 7, 1964. 472 N42  
Conservation of natural resources.
- 108982 BREWBAKER, J. L. Agricultural genetics. Englewood Cliffs, Prentice-Hall, 1964. 156 p. (Foundations of Modern Genetics Series) Ref. 443 B75
- 108983 BRINKLEY, P. C. Living with pesticides. *Rio Grande Val. Hort. Soc. J.* 18:69-73. 1964. 81 L95
- 108984 BRYANT, F. J., and others. Strontium-90 in the Australian environment during 1962. *Austral. J. Sci.* 27(1):1-6, map. Ref. July 1964. 475 Au72  
W. J. Gibbs, J. R. Moroney, D. J. Stevens, and E. W. Titterton, joint authors.  
Includes milk, plants, and soils.
- 108985 BUNTING, A. H. Master Gaster: or the nature and prospects of applied biology. *Ann. Appl. Biol.* 53(3):351-362. June 1964. 442.8 An72  
The production of food, drink and other biological materials for mankind.
- 108986 CANADA. DEPT. OF AGRICULTURE. Directory of Personnel, 1964. Ottawa, 1963 103 p. 225 C167D
- 108987 CANADIAN AGRICULTURAL CHEMICALS ASSOCIATION. 11th annual meeting and conference, Mont Tremblant, Quebec, September 8th, 9th, 10th, 11th, 1963. n.p., 1963. 57 p. 381 C163
- 108988 CLOANINGER, B. D. Regulatory opportunities—not problems. *Assoc. South. Feed, Fert. & Pesticide Control Off. Off. P.* 1963/64:87-89. 389.79 As7  
Feed, fertilizers, and pesticides.
- 108989 COOPER, G. S. The development and future of pesticides. *Ontario. Dep. Agr. Ext. Br. Rep. Annu. Conf.* 1963:32-34. 7 On82
- 108990 CYPRUS. DEPT. OF AGRICULTURE. Annual report for the year 1963. n.p., 1963. 41 p. 21 C99
- 108991 DEKEYSER, P. Principles and history of nature conservation (1933-1963). (Fr) *Notes Africaines* 99:65-96. July 1963. 475 N84
- 108992 DOPKOWSKI, P. L. The news publication as a medium of scientific communication; an analysis of its content, format, audience, and source. *BSCP Communiqué* 13-64,97 p. Jan. 1964. 442.9 Am322  
Includes agricultural publications.
- 108993 EBEL, G. The organic species. (Sp) *Santiago Chile. Univ. Catolica. Rev. Univ.* 47(52):231-239. 1962, pub. 1963. 516 Sa56  
Includes importance of genetics in agriculture.
- 108994 FINE, S. D. Views for pesticide residues relative to pesticide control requirements and consumer needs. *Assoc. South. Feed, Fert. & Pesticide Control Off. Off. P.* 1963/64:83-85. 389.79 As7
- 108995 FREEMAN, O. L. Testimony before Permanent Subcommittee on Investigations of the Senate Committee on Government Operations, June 28, 1962. Washington, U. S. D. A., Off. Sec., 1962. 28 p. A31.3 F87  
Billie Sol Estes case.
- 108996 FREUND, R. A. Employment in the final manufacture of supplies and equipment used by farmers in 1950 and 1960. *U. S. D. A. Econ. Res. Serv. MTS-154:24-27.* Aug. 1964. 1.941 M8M34  
Situation and outlook.
- 108997 GAVLEBORGS LANS HUSHALLNINGSSALLSKAP. Handlingar [Proceedings], 1963. Gavle, 1964. 74 p. 11 G24
- 108998 HARRIS, T. H. Storage and retrieval of information on pesticides registered under the Federal Insecticide, Fungicide, and Rodenticide Act. *J. Chem. Doc.* 4(3):165. July 1964. 241.64 J82
- 108999 HAY, J. R. Pesticides can be made safer to use. *Agr. Inst. Rev.* 19(3):7-8. May/June 1964. 7 Ag8
- 109000 HORAK, F. Can one expect a better supplying of farms in the next years? (Cz) *Ekon. Zemedel.* 2(12):358-359. Dec. 1963. 281.8 Ek7
- 109001 HOSKINS, W. M. The role of university workers in the problems of pesticide information. *J. Chem. Doc.* 4(3):167-168. July 1964. 241.64 J82
- 109002 INTERNATIONAL SYMPOSIUM ON THE CHEMISTRY OF NATURAL PRODUCTS, 2, PRAGUE, 1962. The chemistry of natural products; special and introductory lectures. London, Butterworths, 1963. p.493-717. Ref. 385 In823  
Reprinted from pure and applied chemistry, vol. 6, No.4.
- 109003 IOWA ACADEMY OF SCIENCE. Proceedings for 1963, volume 70; the seventy-fifth session held at Ames, April 19-20, 1963. Des Moines, 1963. 540 p., map. Ref. 1963. 500 Io93
- 109004 JEFFERSON, C. H. Paper given. *Can. Agr. Chem. Ass. Annu. Meeting Conf.*, 11th Annu. Meeting Conf.:38-41. 1963. 381 C163  
Regulation of economic poisons.
- 109005 JONKOPING. LANTBRUKSKEMISKA KONTROLLSTATIONEN. Berattelse [Report], 1963. Jonkoping, 1964. 11 p. 385 J73
- 109006 KARELL, R. Activities of Jordagarnas Forbund. (Sw) *Tidskr. f. Lantman och Andelsfolk* 3:65. Feb. 15, 1964. 20 T43  
Finland.
- 109007 KECK, G. Measuring long-lasting radioactivity of atmospherical dusts in 1962. (Ge) *Wien. Tierarztl. Monschr.* 51(5):301-316. May 1964. 41.8 T345  
English summary.  
Possible agricultural implication.
- 109008 KERRY COUNTY (IRELAND). COMMITTEE OF AGRICULTURE. Agricultural report for the year 1962. n.p., 1963? 101 p., map. 10 K46
- 109009 LANDWIRTSCHAFTLICHER Taschenkalender [Agricultural pocket almanac], 1964. Wald-fischbach, 1964. 280 p. 18 L2357
- 109010 LIBERIA. DEPT. OF AGRICULTURE AND COMMERCE. Annual report, fiscal year 1962-1963. n.p., 1963. 81 p. 24 L612



- 109011 LIPA, F. The C.S.S.R. farms are supplied with superior seed, planting, and chemical preparations. (Cz) Mlynsko-Pekarensky Prumysl. Tech. Skladovani Obili 10(4):150-152. 1964. 389.8 M692
- 109012 LOUISIANA. DEPT. OF AGRICULTURE AND IMMIGRATION. DIV. OF AGRICULTURAL CHEMISTRY. Annual report, July 1962-June 1963: fertilizers, feeds, pesticides. Baton Rouge, 1963. 110 p. 381 L932  
Analysis of fertilizer, feeds, molasses, and economic poisons.
- 109013 MCDONALD, H. What's new in pesticides? Saskatchewan. U. Farm & Home Week. Addresses & Proc. 1964:35-40. 101 Sa72
- 109014 MACDOUGALL, D. The information retrieval problem as applied to agricultural chemicals. J. Chem. Doc. 4(3):166. July 1964. 241.64 J82
- 109015 MACLAY, W. D. Problems pertinent to training requirements to meet ARS' needs. (Sum.) Joint Comm. Training Government Serv. Ass. Land-Grant Coll. Univ. U. S. Dep. Agr. Rep., Apr. 1963:66-68. 249.39 L22
- 109016 MADOS, MRS. L. Mezogazdasagi szakfolyoiratnak bibliografiája. III. 1945-1962 [Bibliography of our agricultural professional journals. III. 1945-1962]. Godollo. Agrartud. Egyet. Kozponti Konyvtar. Kiadvanyai 14,76 p. 1963. 19 G543A
- 109017 MALAYA. DEPT. OF AGRICULTURE. Annual report for the year, 1961. Kuala Lumpur, 1964. 85 p. 22.5 F31R
- 109018 MANITOBA. DEPT. OF AGRICULTURE AND CONSERVATION. Annual report for the year ended March 31st, 1963. Winnipeg, 1963. 184 p., map. 7 M315
- 109019 MAURITIUS CHAMBER OF AGRICULTURE. The President's report, 1963-1964. Port Louis, 1964. 69 p. 24 M44Re  
Chiefly sugar industry.
- 109020 MEADOWS, C. M. Pesticide control requirements: for pesticide manufacturers. Assoc. South. Feed, Fert. & Pesticide Control Off. Off. P. 1963/64:80-82. 389.79 As7
- 109021 MEHREN, G. L. The U. S. Department of Agriculture's role in the American economy. Mo. Agr. Expt. Sta. Spec. Rpt. 37:1-7. Apr. 1964. 100 M693Sp
- 109022 MICHIGAN ACADEMY OF SCIENCE, ARTS, AND LETTERS. Sixty-seventh annual report. Ann Arbor, 1963. 28 p. 500 M58R  
Includes program of meeting.
- 109023 MUMFORD, R. E. Pesticides legislation: present and future trends and implications. Can. Agr. Chem. Ass. Annu. Meeting Conf., 11th Annu. Meeting Conf.:6-14. 1963. 381 C163
- 109024 NAESGAARDS-BOGEN. [The Naesgaard book], 1963. Nykobing, Roreningen "Gamle Naesgaardianere, 1963. 88 p., map. 104 N12N
- 109025 NATIONAL WILDLIFE FEDERATION. 1963 conservation directory; a listing of organizations and officials concerned with natural resources. Washington, D. C., 1963. 95 p. 225 N2155
- 109026 NEW ZEALAND. DEPT. OF AGRICULTURE. Report for the year ended 31 March 1964. Wellington, 1964. 55 p. 23 N48
- 109027 NORTH DAKOTA ACADEMY OF SCIENCE. Proceedings, volume XVII, 1963. 107 p. Dec. 1963. 500 N813
- 109028 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Twenty-second general report, year ended 31st March, 1963. Belfast, 1964. 82 p. 10 N81A
- 109029 PANNIKOV, V. Grains and chemistry. (Rus) Kommunist 18:27-42. Dec. 1963. 280.8 B633  
Chemicalization of agriculture.
- 109030 PAPUA AND NEW GUINEA. DEPT. OF AGRICULTURE, STOCK AND FISHERIES. Annual report 1960-61. Port Moresby, 1963. 125 p., map. 23 P19
- 109031 PRATHER, E. E. Channel catfish shows promise as farm pond sport fish. Highlights Agr. Res. [Ala. Sta.] 11(3):15. Fall 1964. 100 AL1H
- 109032 RHINE, S. H. Farm budget revised upward. Conf. Bd. Rec. 1(8):33-35. Aug. 1964. 280.8 C7622
- 109033 ROSE, G. G., ed. Cinemicrography in cell biology. New York, Acad. Press, 1963. 514 p. Ref. 440 R72
- 109034 SAVINSKII, E. Some problems of study economic effectiveness of wide application of chemistry to national economy. (Rus) Voprosy Ekon. 4:22-34. Apr. 1964. 280.8 V89  
Includes agriculture.
- 109035 SELSKAPET FOR NORGES VEL. Melding om virksomheten [Report on activities], 1963. Oslo, 1964. 59 p. 11 C464
- 109036 SKOLNIK, H. Problems in handling pesticide information. J. Chem. Doc. 4(3):168. July 1964. 241.64 J82
- 109037 SPENCER, C. B. Pesticide control requirements, industry views, consumer needs: for consumer users. Assoc. South. Feed, Fert. & Pesticide Control Off. Off. P. 1963/64:86. 389.79 As7
- 109038 STANFORTH, D. W. Agricultural chemicals. Saskatchewan. U. Farm & Home Week. Addresses & Proc. 1964:73-74, 76, 78. 101 Sa72
- 109039 STENMARK, A. New regulations for economic poisons. (Sw) Jord-Groda-Djur 20:119-123. 1964. 11 J763
- 109040 SUDO, T., and SUZUKI, N. Agricultural microbiology and the fluorescent antibody technique. (Ja) Nogyo Gijutsu 18(6):19-33. Ref. June 1963. 22.5 N6829
- 109041 TEXAS ACADEMY OF SCIENCE. Abstracts of papers presented at the sixty-seventh annual meeting of the Texas Academy of Science. Tex. J. Sci. 15(4):387-442. Dec. 1963. 470 T31
- 109042 TRAINOR, D. C. Spray toxicity—the human aspects. Austral. Inst. Agr. Sci. J. 30(2):113-118. Ref. June 1964. 23 Au74
- 109043 U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. The pesticide situation for 1963-1964, general situation and outlook, by H. H. Shepard and J. N. Mahan. Washington, 1964. 26 p. 1.956 M343P43
- 109044 U. S. BUR. OF THE BUDGET. 1964 inventory of automatic data processing (ADP) equipment in the Federal Government. 88th Cong., 2d sess. Committee Print. 1964. 359 p. 151.28 In8  
Includes equipment in the U. S. Department of Agriculture.
- 109045 U. S. CONGRESS. SENATE. COMMITTEE ON APPROPRIATIONS. Agricultural appropriations for 1965. Hearings, 88th Cong., 2d sess. I. Washington, 1964. 1395 p. 1 Ag81Ses
- 109046 U. S. CONGRESS. SENATE. COMMITTEE ON APPROPRIATIONS. Agricultural appropriations for 1965. Hearings, 88th Cong., 2d sess. II. Washington, 1964. 854 p. 1 Ag81Ses
- 109047 U. S. CONGRESS. SENATE. COMMITTEE ON APPROPRIATIONS. Department of Agriculture and related agencies appropriation bill, 1965. 88th Cong., 2d sess., S. Rpt. 1331, 50 p. 1964. 1 Ag81Ra
- 109048 U. S. CONGRESS. SENATE. COMMITTEE ON GOVERNMENT OPERATIONS. Interagency coordination in environmental hazards (pesticides). Hearing, 88th Cong., 1st sess; agency coordination study (pursuant to S. Res. 27, 88th Cong., as amended); coordination of activities relating to the use of pesticides. Pt. 2-4. Washington, 1964. 3 v. 395 Un34  
Hearings held, July 17, 18, 20-21, 23.  
Includes statements and testimony by the U. S. Department of Agriculture.
- 109049 U. S. NATIONAL AGRICULTURAL LIBRARY. Serial publications indexed in Bibliography of Agriculture. U. S. Natl. Agr. Libr. Libr. List 75, 72 p. 1964. 1.916 L612
- 109050 VARMLANDS LANS HUSHALLNINGSSALLSKAP. Arsberattelse [Annual report], 1963. Karlstad, 1964. 265 p. 11 V43
- 109051 VIEL, P. Toxicity of pesticides and precautions to take in their agricultural use. (Fr) Phytoma 14(140):17-18. July/Aug. 1962. 464.8 P563
- 109052 WENNERSTROM, S. New regulations for pesticides. (Sw) Varmlands Lans Hushallsk. Arsberat. 1963:149-150. 11 V43



- 109053 WEST VIRGINIA ACADEMY OF SCIENCE. Proceedings, 1963, volume 35; the thirty-eighth annual session at West Virginia Wesleyan College, April 25, 26, 27, 1963. Morgantown, 1964. 282 p, map. Ref. 1963, pub. 1964. 500 W52
- 109054 WESTERN SAMOA. DEPT. OF AGRICULTURE, FORESTS AND FISHERIES. Annual report for 1963. Apia, 1964. 29 p. 23 W525A
- 109055 WHAT are the pesticide information problems? A panel discussion. J. Chem. Doc. 4(3):164-168. July 1964. 241.64 J82  
Introduction by R. J. Magee.
- 109056 ZANZIBAR. DEPT. OF AGRICULTURE. Biennial report for the years 1961 and 1962. Zanzibar, 1963. 43 p. 24 Z1
- 109057 ZHURBITSKII, Z. I., and PETERBURGSKII, A. V. The most urgent tasks of agricultural chemistry. 6 p. Transl. 14009  
Translation from Akademiya Nauk SSSR. Vestnik 11:76-79. Nov. 1962.
- BIOGRAPHY
- 109058 ABEGG, H. The passing of Prof. Dr. Ernst Laur. (Ge) Agrarpolit. Rev. 20(10):401-404. June 1964. 281.8 Ag824
- 109059 ALEKSANDROVA, V. D., and others. In memoriam Vladimir Stepanovich Shtepa. (Rus) Bot. Zhur. [Moscow] 49(5):750-751. May 1964. 451 R923  
Includes a list of his publications.
- 109060 ALF KVASSHEIM will be 60 years old. (No) Meieriposten 53(30):736. July 25, 1964. 44.8 M47
- 109061 ALLORGE, V. Eleonora Armitage, (1865-1961). (Fr) Rev. Bryologique et Lichenologique 32(1/4):296-297. 1963. 450 R325
- 109062 AMERICAN VETERINARY MEDICAL ASSOCIATION. AVMA's 1964 top award winners announced. Amer. Vet. Med. Assoc. J. 145(5):482-484. Sept. 1, 1964. 41.8 Am3  
Twelfth International Veterinary Congress Prize to K. F. Meyer; Borden Award to O. W. Schalm; Gaines Award to R. L. Ott; Practitioner Research Award of AVMA to F. Bloom; and AVMA Award (for contributions to advancement of veterinary medicine) to N. W. Piepe.
- 109063 ARSTAL, E. Gunnar Borgen died July 25, 60 years old. (No) Norsk Skogindus. 18(7):265. July 1964. 99.82 N81
- 109064 AUSTRALIAN Medal of Agricultural Science Award for 1964, Professor C. M. Donald. Austral. Inst. Agr. Sci. J. 30(2):148. June 1964. 23 Au74
- 109065 BAHTEJEV, F. Nikolai Ivanovich Vavilov. (Es) Eesti Loodus 1:32-33. Jan./Feb. 1963. 409.6 Ee7
- 109066 BALTZER, E., and HUBER, W. Prof. Dr. Franz Bauman, 1885-1961. (Ge) Bern. Natforsch. Gesell. Mitt. (n.s.):19:167-177. 1962, pub. 1963. 508 B45  
Includes list of his publications.
- 109067 BAVNGAARD, A. Forester H. H. Bilmann. (Da) Dansk Skovfor. Tidsskr. 49(6):165-169. June 1964. 99.8 D23  
Necrology.
- 109068 BEIER, M. Prof. Dr. Richard Ebner †. (Ge) Nathist. Mus. Wien. Ann. 66:15-16. 1962, pub. 1963. 410.9 V672
- 109069 BENGTSOON, T. Death of Julius Gottfries. (Sw) Sveriges Betodlares Centfor. Tidsskr. 27, i.e. 28(1):3. 1964. 66.9 Sv22
- 109070 BERTOVIC, S., and FINDRIK, M. Necrology: Prof. Dr. Ivo Horvat. (Se) Vet. Arh. 34(3/4):53-55. 1964. 41.8 V6416
- 109071 BOHM, R. Professor Antonin Jan Jungmann. (Cz) Veterinarstvi 14(6):282. June 1964. 41.8 V6439
- 109072 BRESSOU. Notice on Dr. John Russel Greig (1889-1963). (Fr) Acad. d'Agr. de France. Compt. Rend. 50(7):646-647. Apr. 22/29, 1964. 14 P215Bc
- 109073 BRONSTRUP, O. On the 65th birthday of Dr. Otto Rasenack. (Ge) Deut. Tierarztl. Wchnschr. 71(12):336. June 15, 1964. 41.8 D482
- 109074 BURINGH, P. To the memory of Prof. Dr. Ir. C. H. Edelman 1903-1964. (Du) Nederland. Heidemaatsch. Tijdschr. 75(6):292-294. June 1964. 12 N282
- 109075 CAMPBELL, C. C. Grace Elizabeth Binkley Hill. Mycopath. et Mycol. Appl. 22(2/3):228-231. Apr. 30, 1964. 450 M994  
Includes a list of her publications.
- 109076 CATE, J. TEN. Andre Mayer, 1875-1956. (Du) Voeding 25(6):305-309. June 15, 1964. 389.8 V85
- 109077 CHUANG, H. H. In commemoration of Chu Hsi. (Ch) Acta Biol. Expt. Sinica 8(3/4):266-284. Dec. 1963. 442.8 Ac85  
Includes a list of his works.
- 109078 CONSERVATION Awards made by American Motors. J. Forestry 62(8):599. Aug. 1964. 99.8 F768  
Given for work in forestry to Lillian Hornick and James W. Scott.
- 109079 COTTAM, C. The gentle scholar. Sierra Club. B. 49(4):6-7, 16. May 1964. 500 Sa53  
Rachel Carson.
- 109080 DALMASSO, G. Prof. Giovanni Jacometti. (It) Colt. e Gior. Vinic. Ital. 110(6):222-223. June 1964. 16 C72
- 109081 DAVIDSSON, E. Mrs. M. Schioth. (Ic) Gardyrkjufelag Islands. Arsrit 1963:29-30. 86 Is4
- 109082 DEATH of noted entomologist. New Zeal. J. Agr. 109(1):16. July 15, 1964. 23 N48J  
Dr. William Cottier.
- 109083 DELKESKAMP, K. Prof. Dr. E. M. Hering, 70 years old. (Ge) Deut. Ent. Gesell. Mitt. 22(5/6):82-84. Nov. 15, 1963. 420 D482
- 109084 DIRECTOR Harald L. Ingebrigtsen is dead. (No) Meieriposten 53(18):391-392. May 2, 1964. 44.8 M47
- 109085 DIRECTOR P. Kock Henriksen, Aarhus. 60 years old. (Da) Dansk Landbr. 83(7):218-219. July 1964. 280.28 V91
- 109086 DR. E. VAN Welderen Baron Rengers †. (Du) Friesland. Gezondheidsdienst Vee. Mededel. 43:2-3. 1962. 41.9 F91
- 109087 DRIEUX, H. Necrologies: Louis Blanchard, 1887-1934. (Fr) Acad. Vet. de France. B. 37(3):125-128. Mar. 1964. 41.9 R24
- 109088 DRIEUX, H. Necrologies: Professor Radu Vladescu. (Fr) Acad. Vet. de France. B. 37(3):129-130. Mar. 1964. 41.9 R24
- 109089 EDNA Hovde will be 80 years old. (No) Meieriposten 53(28):693. July 11, 1964. 44.8 M47
- 109090 EMILE Roubaud (1882-1962). (Fr) Inst. Pasteur. Ann. 106(2):161-167. Feb. 1964. 448.3 An75
- 109091 ERNST Nyberg will be 70 years old. (Sw) Bittidningen 63(7/8):246. July/Aug. 1964. 424.8 B54
- 109092 EXPLORER of northern and Siberian forests. (Rus) Lesn. Khoz. 10:51. Oct. 1963. 99.8 L5622  
G. G. Samoilovich.
- 109093 FAMOUS jubilee. (Rus) Lesn. Khoz. 4:83. Apr. 1964. 99.8 L5622  
V. Ya. Koldanov.
- 109094 FEDOR Grigor'evich Kirichenko; on his 60th birthday. (Rus) Selek. i Semen. 3:45-48. May/June 1964. 61.9 Se5
- 109095 FISCHER, H. Bernhard Peyer (1885-1963). (Ge) Zurich. Natforsch. Gesell. Vrtljahrsschr. 108(4):467-469. Dec. 1963. 508 Z8
- 109096 FREY, H. Henry Zwicky, April 24, 1889-January 13, 1961. (Ge) Bern. Natforsch. Gesell. Mitt. (n.s.):19:LXXX-LXXXI. 1962, pub. 1963. 508 B45  
Includes list of his publications.
- 109097 GABLER, Professor Dr. Heinrich Prell †. (Ge) Deut. Zool. Gesell. Verhandl. 1962:727-729. 1963. 410.9 D48
- 109098 GAUME, R. Rene Henry, (1884-1960). (Fr) Rev. Bryologique et Lichenologique 32(1/4):293-295. 1963. 450 R325  
Includes a list of his publications.
- 109099 GLEICHAUF, R. Max Cretschmar †. (Ge) Deut. Zool. Gesell. Verhandl. 1962:717-719. 1963. 410.9 D48



- 109100 GOLOUSHKIN, V. N. Forester E. I. Tsiolkovskii. (Rus) Lesn. Khoz. 1:83-86. Jan.1964. 99.8 L5622
- 109101 GRABER, F. Dr. Andreas Hermes. (Ge) Agrarpolit. Rundsch. 15:18. Mar.1964. 281.8 Ag838
- 109102 GRABER, F. Dr. Vladislav Brdlik. (Ge) Agrarpolit. Rundsch. 15:17. Mar.1964. 281.8 Ag838
- 109103 A GREAT precursor of cancer research: Carl-Olaf Jensen (1864-1934). (Fr) Ann. de Med. Vet. 108(3):159. May 1964. 41.8 An78
- 109104 GROSS, F. J. Prof. Dr. Wolfgang von Buddenbrock completes his 80th year. (Ge) Ent. Z. 74(7):79-80. Apr.1,1964. 421 En85
- 109105 GROSSE. In memory of Dipl.-Landw. Hans Engel. (Ge) Z. f. Landwirt. Vers. u. Untersuchw. 10(1):3-4. 1964. 18 Z32
- 109106 HABER, T. In memoriam. (Ge) Ent. Z. 74(3):32. Feb.1,1964. 421 En85  
Death of Fr. Victor Schultz.
- 109107 HARALD Munck af Fulkila. (Sw) Skogsbruket 31(4):26. 1964. 99.8 Sk59
- 109108 HARGITAI, L. Dr. 'Sigmond Elek, [Elek 'Sigmond] 1873-1939. (Hu) Godollo. Agrartud. Egyet. Kozponti Konyvtar. Kiadvanyai 13,63 p. 1963. 19 G543A  
English summary.  
Includes list of publications by him and about him.
- 109109 HARRY G. Herrlein died. Lab. Anim. Care 13(3,pt.1):178. June 1963. 410.9 P94
- 109110 HEIDRICH, H. J. On the 75th birthday of prof. Dr. Fritz Schmidt-Hoensdorf. (Ge) Berlin. u. Munch. Tierarztl. Wchnschr. 77(12):233. June 15,1964. 41.8 B45
- 109111 HELGE Alvsaker will be 60 years old. (No) Meteriposten 53(28):692. July 11,1964. 44.8 M47
- 109112 HERFS, A. Professor Dr. Albrecht Hase †. (Ge) Anz. f. Schadlingsk. 36(3):44. Mar.1963. 421 An9
- 109113 HOFF, R. G. In memoriam Theodorus Gradus Johannes Maria van der Weerd. (Du) Tijdschr. v. Diergeneesk. 89(15):1111-1112. Aug.1,1964. 41.8 T431
- 109114 HUBER-PESTALOZZI, G. Fritz Nipkow (1886-1963). (Ge) Zurich. Natforsch. Gesell. Vrtljahresschr. 108(4):470-473. Dec.1963. 508 Z8  
Includes a list of his publication.
- 109115 HUSTED, L. Ivey Foreman Lewis 1882-1964. Va. J. Sci. (n.s.)15(3):159-161. July 1964. 470 V81
- 109116 IN MEMORIAM: Dr. K. S. Shetty. Indian Vet. J. 41(4):308. Apr.1964. 41.8 In2
- 109117 IN MEMORIAM of V. A. Shaumyan, 1908-1964. (Rus) Gidrotekh. i Melior. 5:63-64. May 1964. 290.8 G362
- 109118 IN MEMORIAM, Ronald Aylmer Fisher, 1890-1962. Biometrics 20(2):235-372. Ref. June 1964. 442.8 B5224  
Includes a list of his publications; articles by D. J. Finney, P. C. Mahalanobis, C. I. Bliss, C. R. Rao, C. B. Williams, F. Yates, K. Mather, R. R. Race and E. A. Cornish.
- 109119 I. S. POPOV; in memoriam of an outstanding scholar. (Rus) Zhivotnovodstvo 3:66-67. Mar.1964. 49 Z6
- 109120 JANCZYK, F. Director Leopold Mader †. (Ge) Nathist. Mus. Wien. Ann. 66:17. 1962, pub. 1963. 410.9 V672
- 109121 JANCZYK, F. Privy councillor Josef Breit. (Ge) Nathist. Mus. Wien. Ann. 66:13. 1962, pub. 1963. 410.9 V672
- 109122 JEPPESEN, M. Director P. Kock Henriksen will be 60 years old. (Da) Maelkeritidende 77(28):584-585. July 10,1964. 44.8 M26
- 109123 JEPPESEN, M. A good friend of Denmark will be 50 years old. (Da) Maelkeritidende 77(28):586-587. July 10,1964. 44.8 M26  
Torgeir Snersrud.
- 109124 JOHANNES Heinrich on his 60th birthday. (Ge) Kartoffelbau 14(12):291. Dec.1963. 75.8 K145
- 109125 JOHANSSON, R. Our veterans. 8. Evdin Hansson. (Sw) Bitidningen 63(7/8):233. July/Aug. 1964. 424.8 B54
- 109126 JUBILEE of professor A. D. Sineshchekov. (Rus) Zhivotnovodstvo 3:93-94. Mar.1964. 49 Z6
- 109127 KERN, H. Ernst Gaumann (1893-1963). (Ge) Zurich. Natforsch. Gesell. Vrtljahresschr. 108(4):475-476. Dec.1963. 508 Z8
- 109128 KLEBER, W. Eilhard Mitscherlich on the centenary of his death. (Ge) Forsch. u. Fortschr. 37(11):346-349. Nov.1963. 474 F772
- 109129 KONINGSBERGER, V. J. In memoriam Prof. Dr. P. Froschel (1888-1963). (Du) Vakbl. v. Biol. 43(11/12):216-218. Nov./Dec.1963. 442.8 V22
- 109130 KRNJEVIC, J. Undying upholder of freedom: Stjepan Radic. (Ge) Agrarpolit. Rundsch. 15:13-14. Mar.1964. 281.8 Ag838
- 109131 LEHMENSICK, R. Dr. rer. nat. Kurt Frenzen †. (Ge) Deut. Zool. Gesell. Verhandl. 1962:730-731. 1963. 410.9 D48
- 109132 LIPSHITS, S. YU. Life and work of the famous Russian botanist-taxonomist N. S. Turchaninov (1796-1863); centennial of his death. (Rus) Bot. Zhur. [Moscow] 49(5):752-766. May 1964. 451 R923  
Includes a list of his publications.
- 109133 LORENZEN, P. In memory of Svend Christian Poulsen. (Da) Dansk Skovfor. Tidsskr. 49(4):101-102. Apr.1964. 99.8 D23
- 109134 MCCOLLOCH, L. P., and LUTZ, J. M. Dean Humbolt Rose, 1878-1963. Phytopathology 54(7):745. July 1964. 464.8 P56
- 109135 MANNHEIMS, B. In memoriam, Dr. Hermann Hone. (Ge) Deut. Ent. Gesell. Mitt. 23(1):2-3. Feb.29,1964. 420 D482
- 109136 MARCHAL, J. G. Gaston Ramon, 1886-1963. (Fr) Nancy. U. Facul. de Pharm. Assoc. des Diplomes de Microbiol. B. 92:40-44. Fourth Q. 1963. 448.2 N152
- 109137 MATYAS, Z. One-hundredth anniversary of birth of Prof. Dr. Theodore Kasperek, veterinary doctor. (Cz) Veterinarstvi 14(6):280-281. June 1964. 41.8 V6439
- 109138 A MEMOIR: Dr. Reinhold Johannes Ortlepp. So. African Vet. Med. Assoc. J. 35(2):257-258. June 1964. 41.8 So8
- 109139 MENNER, E. Gottfried Henke †. (Ge) Deut. Zool. Gesell. Verhandl. 1962:715-716. 1963. 410.9 D48
- 109140 MIKOLA, P. Erkki K. Kalela 6. 5. 1964. (Fi) Metsataloudellinen Aikakauslehti 81(5):186. May 1964. 99.9 F49
- 109141 MOLTZEN, H., and THOMSEN, A. Gerhard Forssell, November 30, 1882-July 14, 1964. (Da) Danske Dyrlaegerfor. Medlemsbl. 47(15):785-789. Aug.1,1964. 41.9 D23
- 109142 MONTEMAGNO, F. Necrology: Cataldo Colella (1884-1963). (It) Acta Med. Vet. 9(3/4):287-289. May/Aug.1963. 41.8 Ac84
- 109143 MUKO, H. Mr. Ichiro Miyake (1881-1964). (Ja) Phytopath. Soc. Japan. Ann. 29(3):101-102. May 1964. 464.9 P562  
Includes list of works.
- 109144 NECROLOGY—Agustus Alfaro Moran. (Sp) Cafe de El Salvador 33(376/381):151. Mar./Aug.1963. 68.28 C112
- 109145 NECROLOGY. (No) Norsk Skogindus. 18(6):230. June 1964. 99.82 N81  
Thorleif Bache.
- 109146 NEW JERSEY AGRICULTURAL CONVENTION. Citations for distinguished service to New Jersey agriculture 1963. Trenton, 1963. 8 p. 119 N46  
Awards to J. A. Blakeslee, C. A. Collins, C. S. Cronkright, and W. B. Duryee.
- 109147 NIERBAUER. In memory of chief forester Walter Baron von Bistram. (Ge) Allg. Forstz. 19(28):428-429. July 11,1964. 99.8 AL52
- 109148 1964 ASAE award winners. Agr. Engin. 47(5):388-390,396,404. July 1964. 58.8 Ag83  
Cyrus Hall McCormick Medal given to R. M. Merrill; John Deere Medal to M. R. Lewis; Metal Building Manufacturers Association Award to S. S. DeForest.
- 109149 A NOTABLE biochemist; 70-th birthday of the academician A. I. Oparin. (Rus) Priroda [Moscow] 5:105-106. 1964. 410 P933



- 109150 OBITUARY Herbert O. Boettcher. *Gleanings Bee Cult.* 92(8):501. Aug.1964. 424.8 G47
- 109151 OBITUARY W. F. Straub. *Gleanings Bee Cult.* 92(9):567. Sept.1964. 424.8 G47
- 109152 ON 70TH BIRTHDAY of Prof. G. K. Karlov. (Rus) *Sadovodstvo* 7:48. July 1964. 80 Sa13
- 109153 PALLASKE, G. Prof. em. Dr. Curt Krause is 70 years old. (Ge) *Deut. Tierarztl. Wchnschr.* 71(12):337. June 15, 1964. 41.8 D482
- 109154 PAVLOV, K., and MILKOVSKI, I. On the 60th birthday of academician Khristo Daskalov. (Bu) *Akad. Selskostopanskite Nauk. Bulg. Inst. Ras-tenievud. Izv.* 17:5-10. 1963. 451 B872
- 109155 PAX, F. Friedrich Zacher †. (Ge) *Deut. Zool. Gesell. Verhandl.* 1962:720-723. 1963. 410.9 D48
- 109156 PERVOMAISKII, G. S., and TUMKA, A. F. On the occasion of the 80th birthday of Academician Evgenii Nikanorovich Pavlovskii. 7 p. *Transl.* 14020  
Translation from *Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii* 41(5):14-19. May 1964.
- 109157 PETR Fedorovich Soldatenkov (on his 60th birthday). (Rus) *Fiziol. Zhur. SSSR* 50(3):390. Mar.1964. 444.8 F58
- 109158 PIANA, G. P. Most serious loss for Italian and international apiculture; Zappi Recordati is no more. (It) *Apic. d'Italia* 31(1):3-7. Jan./Feb. 1964. 424.8 Ap372  
Includes list of publications.
- 109159 POSTUMA, H. H. In memoriam C. C. Jongebreur. (Du) *Wageningen. Inst. v. Landbtech. en Ration.* P. 79:5. May 1964. 58.9 W12
- 109160 PROF. Dr. Juan Noe C. (Sp) B. Chileno de *Parasitol.* 19(1):38-39. Jan./Mar.1964. 463.9 C43
- 109161 PROF. Dr. W. von Buddenbrock. (Ge) *Ent. Z.* 74(10):119-120. May 15, 1964. 421 En85
- 109162 PROFESSOR Dorival da Fonseca Ribeiro. (Por) *Butantan. Inst. Mem.* 30:5-9. 1960/62, pub.1963. 448.9 B97  
Includes list of his publications.
- 109163 PROFESSOR Manoel Augusto Piraja da Silva, January 28, 1873-March 1, 1961. (Por) *Butantan. Inst. Mem.* 30:11-13. 1960/62, pub.1963. 448.9 B97
- 109164 PROMINENT explorer of mountain forests. (Rus) *Lesn. Khoz.* 10:26. Oct.1963. 99.8 L5622  
V. Z. Gulisashvili.
- 109165 RAUL Maria Mir Comas- director of El Cultivador Moderno. (Sp) *Cult. Mod.* 47(3):79-85. Mar.1964. 15 C89  
Eulogies by J. Rof Codina, J. Montaner Esteve, B. Juscafresa, J. Martinez-Oria, and E. Doltra.
- 109166 RECHMANN, K. H. In honored memory of Dr. Gustav Lederer. (Ge) *Ent. Z.* 74(4):46-47. Feb.15, 1964. 421 En85
- 109167 REUSS, H. From the life of a city forester; on the 75th birthday of Hans Zeidler. (Ge) *Allg. Forstz.* 19(27):411-414. July 4, 1964. 99.8 AL52
- 109168 ROBIN, F. Notice on Count Antonio Zappi Recordati. (Fr) *Acad. d'Agr. de France. Compt. Rend.* 50(7):598-599. Apr.22/29, 1964. 14 P215Bc
- 109169 ROL, R. Philibert Guinier (1876-1962). *Soc. Bot. de France. B.* 109(7/8):205-209. Oct./Nov.1962. 451 F84B  
Text in French.
- 109170 ROSTOVTSSEV, N. F. Ivan Semenovich Popov. (Rus) *Vest. Sel'skokhoz. Nauki [Moscow]* 4:157-158. 1964. 20 V633
- 109171 ROSWALL, G. Ossian Soderlund will be 60 years old. (Sw) *Bitidningen* 63(6):209. June 1964. 424.8 B54
- 109172 SCHIMITSCHEK, E. Professor Dr. Zeljko Kovacevic on his 70th birthday. (Ge) *Anz. f. Schadlingsk.* 36(12):198-199. Dec.1963. 421 An9
- 109173 SCHMIDT, L. On the occasion of 70th birthday and 50 years of activity of Prof. Dr. Zeljko Kovacevic. (Se) *Zastita Bilja* 75:469-473. 1963. 464.8 Z1  
Includes a list of his publications.
- 109174 SCHOL-SCHWARZ, M. B. In memoriam A. L. van Beverwijk (18 September 1907-10 July 1963). (Du) *Vakbl. v. Biol.* 43(11/12):213-216. Nov./Dec.1963. 442.8 V22
- 109175 SCHROEDER, H. Prof. Dr. Med. Wilhelm Stepp †. (Ge) *Ernahr.-Umschau* 11(6):137-138. June 1964. 389.8 Er66
- 109176 SCIENTIST, teacher and public-spirited citizen. (Rus) *Lesn. Khoz.* 11:81. Nov.1963. 99.8 L5622  
P. V. Vasil'ev.
- 109177 THE SECOND awarding of the Wilhelm-Bolsche prize. (Ge) *Kosmos* 59(7):273-278. July 1963. 474 K842  
Gold medal given to Dr. Karl von Frisch for work in apiculture.
- 109178 70 YEARS old. (Sw) *Vara Palsdjur* 13:258. Dec.1963. 410 V42  
Axel H. Carlsson.
- 109179 60 YEARS old. (No) *Norsk Skogindus.* 18(5):201. May 1964. 99.82 N8J  
Gunnar Borgen.
- 109180 SLOVIK, S. J. Plantsmen profile. XIII. Robert Marshall. *Baileya* 12(2):52-55. June 1964. 80 B15
- 109181 SMIRNOV, V. G. Prominent scientist-plant breeder. (Rus) *Vest. Sel'skokhoz. Nauk [Moscow]* 4:55-57. 1964. 20 V633  
Nikolai Vasil'evich Rudnitskii.
- 109182 SOMMAIN, G. DE. Biographical profile of John Gamgee, who began the international veterinary congresses. (It) *Nuovo Prog. Vet.* 19(12):524, 526-528. June 30, 1964. 41.8 P942
- 109183 SOUTHCOTT, R. V. Herbert Womersley, A.L.S. (Honoris causa), F.R.E.S. *So. Austral. Mus. Rec.* 14(4):603-632. 1964. 514 So8  
Includes a list of his publications.
- 109184 STIG Johanson will be 50 years old. (Sw) *Svensk Papperstidn.* 67(14):562. July 31, 1964. 302.8 Sv2
- 109185 STROUHAL, H. In memoriam: Privy councillor Dr. Karl Todt (jun.). (Ge) *Nathist. Mus. Wien. Ann.* 66:5-9. 1962, pub.1963. 410.9 V672
- 109186 SVENDSEN, L. Kristen Grepstaa. In memoriam. (No) *Tidsskr. f. Fjorfeavl* 81(3):48. Mar. 1964. 47.8 T432
- 109187 THIRTY years as director of fruit nursery; P. Yu. Litvinenko is 70 years old. (Rus) *Sadovodstvo* 7:48. July 1964. 80 Sa13
- 109188 THORPE, W. H. Tribute to Rachel Carson. *Mother Earth* 13(3):168. July 1964. 56.8 M85
- 109189 TODHUNTER, E. N. Biographical notes from the history of nutrition: Jean Baptiste van Helmont-1577-1644. *Amer. Diet. Assoc. J.* 45(2):153. Aug.1964. 389.8 Am34
- 109190 TORGEIR Snersrud will be 50 years old. (No) *Meieriposten* 53(28):691-692. July 11, 1964. 44.8 M47
- 109191 TUXEN, S. L. Karl Strenzke †; 19 February 1917-25, November 1961. (Ge) *Deut. Zool. Gesell. Verhandl.* 1962:732-734. 1963. 410.9 D48
- 109192 UBERREITER, O. Veterinary councilor Dr. Karl Faustka dies. (Ge) *Wien. Tierarztl. Monschr.* 51(5):360. May 1964. 41.8 T345
- 109193 ULLRICH, W. Gunter Gaffrey †. (Ge) *Deut. Zool. Gesell. Verhandl.* 1962:713-714. 1963. 410.9 D48
- 109194 URIBE URIBE, L. Francisco Javier Matis, the botanical painter (on the bicentennial of his birth). (Sp) *Acad. Colomb. de Cien. Exact., Fis., y Nat. Rev.* 12(45):89-92. Nov.1963. 516 Ac1
- 109195 UTERMOHL, H. Otto Harnisch †. (Ge) *Deut. Zool. Gesell. Verhandl.* 1962:724-726. 1963. 410.9 D48
- 109196 VANNUCCI, P. A tribute to George Rea. *Gleanings Bee Cult.* 92(8):496-497. Aug.1964. 424.8 G47
- 109197 VINDING, S. In memoriam. (Da) *Danske Dyr-laegefor. Medlemsbl.* 47(16):942. Aug.15, 1964. 41.9 D23  
Soren Jensen.



- 109198** VOSS, E. G. Arthur Ward Lindsey (1894-1963). Lepidopterists' Soc. J. 17(3):181-190. Dec.30, 1963. 421 L554  
Includes a list of his publications.
- 109199** WALTER Suptitz 65 years old. (Ge) Landesverband Gartbau. u. Landwirt. Berlin. Mittbl. 14(12):5. Dec.1963. 85 L233
- 109200** WELCH, W. H. Truman George Yuncker. Torrey Bot. Club. B. 91(5):406-412. Sept./Oct. 1964. 451 T63B  
Includes bibliography of his publications.
- 109201** WILLIAMSON, T. W. Pioneers of modern British farming—cows and acres; the story of Rex Paterson. Gt. Brit. Min. Agr. Fisheries & Food. Agr. 71(6):268-272. June 1964. 10 G79J  
Dairy farm management.
- 109202** WINKLER, A. Georg Wegener on the 25th anniversary of his death. (Ge) Erde 95(2):89-93. 1964. 474 Er1  
Includes list of his publications.
- 109203** WOLFRAM, G. In memoriam: Prof. Dr. Med. Sigwald Bommer, born 23.6.1893; died 11.8. 1963. (Ge) Potsdam. Inst. f. Ernähr. Ernähr.-forsch. 9(1):1-5. 1964. 386.3 P84

- Radic S 109130  
Ramon G 109136  
Rasenack O 109073  
Rea G 109196  
Recordati A Z 109158  
Conte 109168  
Rengers Baron 109086  
E van Welderen  
Ribeiro D da F 109162  
Rose D H 109134  
Roubaud E 109090  
Rudnitskii N V 109181  
Samoilovich G G 109092  
Schalm O W 109062  
Schioth M 109081  
Schmidt-Hoensdorf F 109110  
Schultz V 109106  
Scott J W 109078  
Shaumyan V A 109117  
Shetty K S 109116  
Shtepa V S 109059  
Sigmond E 109108  
Silva M A P da 109163
- Sineshchekov 109126  
A D  
Snorsrud T 109123  
Soderlund O 109171  
Soldatenkov P F 109157  
Stepp W 109175  
Straub W F 109151  
Strenzke K 109191  
Suptitz W 109199  
Todd K 109185  
Tsiolkovskii E I 109100  
Turchaninov N S 109132  
Vasil'ev P V 109176  
Vavilov N I 109065  
Vladesco R 109088  
Weerd T G J M 109113  
van der Wegener G 109202  
Womersley H 109183  
Yuncker T G 109200  
Zacher F 109155  
Zeidler H 109167  
Zwicky H 109096

Checklist of names of persons appearing as subjects of preceding biographical articles:

- |                  |        |                 |        |
|------------------|--------|-----------------|--------|
| Alfaro Moran A   | 109144 | Henke G         | 109139 |
| Alvsaker H       | 109111 | Henriksen P K   | 109085 |
| Armitage E       | 109061 |                 | 109122 |
| Bache T          | 109145 | Henry R         | 109098 |
| Baumann F        | 109066 | Hering E M      | 109083 |
| Beverwijk        | 109174 | Hermes A        | 109101 |
| A L van          |        | Herrlein H G    | 109109 |
| Bilman H H       | 109067 | Hill G E B      | 109075 |
| Bistram Baron W  | 109147 | Hone H          | 109135 |
| von              |        | Hornick L       | 109078 |
| Blakeslee J A    | 109146 | Horvat I        | 109070 |
| Blanchard L      | 109087 | Hovde E         | 109089 |
| Bloom F          | 109062 | Ingebritsen H L | 109084 |
| Boettcher H O    | 109150 | Jacometti G     | 109080 |
| Bommer S         | 109203 | Jensen C O      | 109103 |
| Borgen G         | 109063 | Jensen S        | 109197 |
|                  | 109179 | Johanson S      | 109184 |
| Brdlik V         | 109102 | Jongebreur C C  | 109159 |
| Breit J          | 109121 | Jungmann A J    | 109071 |
| Buddenbrock      | 109104 | Kalela E K      | 109140 |
| W von            | 109161 | Karlov G K      | 109152 |
| Carlsson A H     | 109178 | Kasperek T      | 109137 |
| Carson R         | 109079 | Kirichenko F G  | 109094 |
|                  | 109188 | Koldanov V Ya   | 109093 |
| Chu H            | 109077 | Kovacevic Z     | 109172 |
| Colella C        | 109142 |                 | 109173 |
| Collins C A      | 109146 | Krause C        | 109153 |
| Cottier W        | 109082 | Kvassheim A     | 109060 |
| Cretschmar M     | 109099 | Laur E          | 109058 |
| Cronkright C S   | 109146 | Lederer G       | 109166 |
| Daskalov Kh      | 109154 | Lewis I F       | 109115 |
| DeForest S S     | 109148 | Lewis M R       | 109148 |
| Donald C M       | 109064 | Lindsey A W     | 109198 |
| Duryee W B       | 109146 | Litvinenko P Yu | 109187 |
| Ebner R          | 109068 | Mader L         | 109120 |
| Edelman C H      | 109074 | Marshall R      | 109180 |
| Engel H          | 109105 | Matis F J       | 109194 |
| Faustka K        | 109192 | Mayer A         | 109076 |
| Fisher R A       | 109118 | Merrill R M     | 109148 |
| Forssell G       | 109141 | Meyer K F       | 109062 |
| Frenzen K        | 109131 | Mir Comas R M   | 109165 |
| Frisch K von     | 109177 | Mitscherlich E  | 109128 |
| Froschel P       | 109129 | Miyake I        | 109143 |
| Fulkila H M      | 109107 | Nipkow F        | 109114 |
| Gaffrey G        | 109193 | Noe C J         | 109160 |
| Gamgee J         | 109182 | Nyberg E        | 109091 |
| Gaumann E        | 109127 | Oparin A I      | 109149 |
| Gottfries J      | 109069 | Ortlepp R J     | 109138 |
| Greig J R        | 109072 | Ott R L         | 109062 |
| Grepstad K       | 109186 | Paterson R M    | 109201 |
| Guinier P        | 109169 | Pavlovskii E N  | 109156 |
| Gulisashvili V Z | 109164 | Peyer B         | 109095 |
| Hansson E        | 109125 | Pieper N W      | 109062 |
| Harnisch O       | 109195 | Popov I S       | 109119 |
| Hase A           | 109112 |                 | 109170 |
| Heinrich J       | 109124 | Poulsen S C     | 109133 |
| Helmont J B van  | 109189 | Prell H         | 109097 |

## HISTORY

- 109204** ANASTASIADIS, S. The development of agriculture in Greece and Bulgaria after the second World War. (Ge) Z. f. Agrarikon. 7(7):221-224. Ref. 1964. 281.8 Z3
- 109205** MAZZOCCHI-ALEMANNI, N. A century of Italian agriculture. (It) Riv. Storia Agr. 3(4):36-55. Dec.1963. 30.98 R52
- 109206** MURRAY, S. N. A history of agriculture in the valley of the Red River of the North, 1812 to 1920. Madison, 1963. 389 p. Film 586  
Thesis—University of Wisconsin.
- 109207** RASMUSSEN, W. D. Valley to valley, country to country. U. S. D. A. Ybk. Agr. 1964:1-11. 1 Ag84Y  
Agricultural history.
- 109208** SJOBECK, M. Simremarken, Krattmarken and Sommarangen. (Sw) Skanes Nat. 51:140-167. 1964. 410 Sk1  
History of agriculture.
- 109209** TOPOLSKI, J. Changes in agricultural technique in Poland in the modern period: sixteenth to eighteenth centuries. (Fr) Riv. Storia Agr. 3(4):56-67. Ref. Dec.1963. 30.98 R52
- 109210** TRACY, M. Agriculture in Western Europe; crisis and adaption since 1880. London, Jonathan Cape, 1964. 415 p., map. Ref. 281.17 T67
- 109211** WILSON, P. W. Biological nitrogen fixation—early American style. Bact. Rev. 27(4):405-416. Ref. Dec.1963. 448.3 B13  
History of the first experiment station in the United States, at Storrs, Conn.
- 109212** YABU, K. Escape from darkness, then on to establishment. (Ja) Nogyo to Keizai 30(1):11-16. Jan.1964. 281.8 N682  
Japanese agricultural history since the war.

## HOME MANAGEMENT

- 109213** CREMER, H. D. Home economics and nutrition—a new profession. (Ge) Ernähr.-Umschau 10(12):277-279. Dec.1963. 389.8 Er66  
Educational curriculum and positions in the field.
- 109214** VIRGINIA. POLYTECHNIC INSTITUTE. AGRICULTURAL EXTENSION SERV. Some challenges to Virginia's homes and families. Va. Polytech. Inst. Agr. Ext. Misc. P. 6, 13 p. Dec.1963. 276 V815  
Home management problems.

## INTERNATIONAL RELATIONS

- 109215** CRAWFORD, D. M. Our agricultural attaches. U. S. D. A. Ybk. Agr. 1964:405-414. 1 Ag84Y  
Includes foreign market development.



- 109216 DAVENPORT, C. R. The inter-American system. U. S. D. A. Ybk. Agr. 1964:443-448. 1 Ag84Y  
Includes Alliance for Progress and other organizations.
- 109217 FIFTEEN years of the Sovet Ekonomicheskoi Vzaïmopomoshchi. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:8-10. 1964. 20 M57  
Includes agriculture of USSR bloc.
- 109218 FREEMAN, O. L. Agriculture and the Alliance for Progress; address at the Conference of alliance for Progress Ambassadors and AID directors, Washington, D. C., March 17, 1964. Washington, U. S. D. A., Off. Sec., 1964. 9 p. A31.3 F87
- 109219 LUBBOCK, D. Origins and early development of FAO. In Cuthbertson, D. P., ed. Progress in nutrition and allied sciences, p.23-30. Ref. 1963. 389.7 C97P
- 109220 MARZI, G. DE. Agricultural attaches abroad. (It) Agricoltura 13(4):89-100. Apr.1964. 16 Ag8226  
Proposed for Italy.
- 109221 PHILLIPS, R. W., and HAINES, K. A. FAO of the United Nations. U. S. D. A. Ybk. Agr. 1964:434-442. 1 Ag84Y
- 109222 VACHKOV, M. With fraternal cooperation toward common goal. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:11-13. 1964. 20 M57  
Includes agriculture of USSR bloc.
- 109223 VOLOVCHENKO, I. Cooperation as most important condition for the increase of agriculture. (Rus) Mezhdunarod. Sel'skokhoz. Zhur. 3:14-17. 1964. 20 M57  
Includes situation and outlook of the USSR bloc.
- 109224 WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. International farm youth exchange; this is Greece. Wash. State U. Agr. Ext. Ext. Mimeo. 2326, 2 p., map. Aug. 1963. 275.29 W27Mi  
Includes agriculture.
- 109225 WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. International Farm Youth Exchange; this is the Netherlands. Wash. State U. Agr. Ext. Ext. Mimeo. 2327, 2 p., map. Aug. 1963. 275.29 W27Mi  
Includes agriculture.

## METEOROLOGY

- 109226 BUCHINSKII, I. E. Klimat Ukrainy v proshlom, nastoyashchem i budushchem [Climate of Ukraine in the past, present and future]. Kiev, Gosudarstvennoe Izdatel'stvo Sel'khokhozyaistvennoi Literatury Ukrainskoi SSR, 1963. 308 p. Ref. 345 B85
- 109227 CH'EN, C. L. Preliminary analysis of agricultural production and precipitation in the Pailin-shih dry area. (Ch) Chung Kuo Nung Pao 3:31-33. Mar.1963. 22.5 C473
- 109228 CH'EN, T. T. Agricultural meteorology. (Ch) Fu-Chien Nung Yeh Fujian Nongye 2/3:58-60. Feb.1963. 22.5 F958
- 109229 CHU, K. C. Some characteristic features of Chinese climate and their effects on crop production. (Ch) Acta Geog. Sinica 30(1):1-13. Ref. Mar.1964. 331.8 T45  
English summary.
- 109230 COULTER, J. D. The climate of New Zealand in relation to agriculture. New Zeal. Inst. Agr. Sci. Proc. 9:41-60, map. Ref. 1963. 23 N489P  
Discussion, p.61-62.
- 109231 GARSTKA, W. U. Recent research developments in weather modification. Natl. Reclam. Assoc. Proc., 32d Annu. Mtg.:55-68., map. Ref. 1963. 55.9 N212  
Includes artificial precipitation.
- 109232 GESLIN, H. Communications relative to the past agricultural season. I. Climatic aspects of the agricultural season 1962-1963. (Fr) Acad. d'Agr. de France. Compt. Rend. 50(6):481-491. Apr.8/15, 1964. 14 P215Bc
- 109233 JAO, H. My view of agricultural meteorological work. (Ch) Chung Kuo Nung Pao 4:7-8. Apr.1963. 22.5 C473

- 109234 ROBERTSON, G. W. Evaporation measurements at Research Branch stations, Canada. Department of Agriculture. Canada. Dept. Agr. P. 1210, 31 p. 1964. 7 C16Pu

## PERSONNEL

- 109235 ANDERSON, R. J. Need for people prepared for careers in such fields as research technicians, graders, and food inspectors. (Sum.) Joint Comm. Training Government Serv. Ass. Land-Grant Coll. Univ. U. S. Dep. Agr. Rep., Apr.1963:63-65. 249.39 L22  
In the U. S. Department of Agriculture.
- 109236 BARNES, C. B. Status report on the employee-management cooperation program in USDA. (Sum.) Joint Comm. Training Government Serv. Ass. Land-Grant Coll. Univ. U. S. Dep. Agr. Rep., Apr.1963:55-57. 249.39 L22
- 109237 THE COLLEGES' viewpoint on what Government employment offers college graduates compared with competitive employers. (Sum.) Joint Comm. Training Government Serv. Ass. Land-Grant Coll. Univ. U. S. Dep. Agr. Rep., Apr.1963:28-36. 249.39 L22  
Statements by F. G. Clark and M. E. Muelder.
- 109238 FREEMAN, O. L. Greetings and "a look ahead." (Sum.) Joint Comm. Training Government Serv. Ass. Land-Grant Coll. Univ. U. S. Dep. Agr. Rep., Apr.1963:12-13. 249.39 L22
- 109239 JOINT COMMITTEE ON TRAINING FOR GOVERNMENT SERV. OF THE ASSOCIATION OF LAND-GRANT COLLEGES AND UNIVERSITIES OF THE U. S. DEPT. OF AGRICULTURE. Report. Washington, D. C., 1963. 71 p. 249.39 L22  
Summaries of topics and recommendations.
- 109240 PROGRESS report on USDA seminars in executive development programs being conducted at colleges and universities. (Sum.) Joint Comm. Training Government Serv. Ass. Land-Grant Coll. Univ. U. S. Dep. Agr. Rep., Apr.1963:58-62. 249.39 L22  
Statements by M. E. Muelder, H. C. Trelogan, R. W. Lennartson, and E. R. Draheim.
- 109241 RE-EMPLOYMENT opportunities within USDA; especially for women, and the retraining needed to meet the requirements of this new employment pattern. (Sum.) Joint Comm. Training Government Serv. Ass. Land-Grant Coll. Univ. U. S. Dep. Agr. Rep., Apr.1963:37-41. 249.39 L22  
Statements by L. M. Odland and A. C. Johnson.
- 109242 REID, M. P. Changes in the minimum educational requirements for most scientific and engineering positions, agricultural and other economists positions. (Sum.) Joint Comm. Training Government Serv. Ass. Land-Grant Coll. Univ. U. S. Dep. Agr. Rep., Apr.1963:69-70. 249.39 L22
- 109243 RENNE, R. R. Developments in the establishment of the National Academy of Foreign Affairs—training for agricultural work in newly developing countries. (Sum.) Joint Comm. Training Government Serv. Ass. Land-Grant Coll. Univ. U. S. Dep. Agr. Rep., Apr.1963:42-43. 249.39 L22  
Includes Department of Agriculture personnel abroad.
- 109244 ROBERTSON, J. M. Greetings and "a look ahead." (Sum.) Joint Comm. Training Government Serv. Ass. Land-Grant Coll. Univ. U. S. Dep. Agr. Rep., Apr.1963:14-15. 249.39 L22
- 109245 U. S. CONGRESS. HOUSE. COMMITTEE ON GOVERNMENT OPERATIONS. Operations of Billie Sol Estes. Hearings 87th Cong., 2nd sess. May 28, 29; June 7, 8, 13, 14, 15, 25, 26, 29, 30; July 16, 17, 23, 24, 25, 26; August 21, 22, 30; and September 13. 1962. Washington, 1964. 1442 p. 281.12 Un3430
- 109246 U. S. DEPT. OF AGRICULTURE. OFF. OF PERSONNEL. Staff paper. Ideas, employee-management cooperation. Washington, 1963. 43 p., map. A249.3 Ag82Si



## RESEARCH

- 109247 BERNAL, J. D. Science and the less developed areas. *Sci. World* 7(4):4-8. 1963. 472 Sci25  
Includes agricultural research.
- 109248 BERNARD, J., SHILLING, C. W., and TYSON, J. W. Informal communication among bioscientists. *BSCP Communique* 16-63,40 p. Dec. 1963. 442.9 Am322  
Includes agricultural scientists.
- 109249 BOLTON, J. L. Impressions of life and agricultural research in the Soviet Union. *Saskatchewan. U. Farm & Home Week. Addresses & Proc.* 1964:5-7. 101 Sa72
- 109250 BRUNSWICK. FORSCHUNGSANSTALT FUR LANDWIRTSCHAFT. Bericht uber die Tatigkeit im Jahre 1963 [Report of activities for the year 1963]. Braunschweig, 1964. 106 p. Ref. 18 B83B
- 109251 CARDONA ALVAREZ, C. Future of agricultural research in Colombia. (*Sp*) *Agr. Trop.* 20(1):11-14. Jan. 1964. 26 Ag8
- 109252 CHANT, Why Canada loses scientists. *Agr. Inst. Rev.* 19(3):6,8. May/June 1964. 7 Ag8  
Lack of agricultural research.
- 109253 CRAIG, B. M. Collaborative agricultural research. *Saskatchewan. U. Farm & Home Week. Addresses & Proc.* 1964:58-62,64. 101 Sa72
- 109254 EAST AFRICAN COMMON SERV. ORGANIZATION. Annual report, 1963. n.p., 1964. 94 p., map. 330.9 Ea72  
Includes agricultural research.
- 109255 ELLIOTT, I. L. Research and potential production. *New Zeal. Inst. Agr. Sci. Proc.* 9:216-225. 1963. 23 N489P  
Includes discussion.
- 109256 FOREST, B. Agricultural research in the Province of Quebec. *Can. Agr. Chem. Ass. Annu. Meeting Conf., 11th Annu. Meeting Conf.*: 32-37. 1963. 381 C163
- 109257 HJELM, L. Allman malsattning for lantbrukshogskolans forsoksprogram 1964/65 [General objectives for the research program of Lantbrukshogskolan]. Uppsala. Lantbrukshogsk. Aktuell Lantbrukshogsk. 31,9 p. 1964. 11 Up62A
- 109258 MCELHENY, V. K. Biological research in Czechoslovakia. *Science* 145(3634):799-802. Aug. 21, 1964. 470 Sci2  
Includes agricultural research.
- 109259 MARSTON, H. W. Research projects in other lands. *U. S. D. A. Ybk. Agr.* 1964:568-571. 1 Ag84Y
- 109260 NEW ZEALAND INSTITUTE OF AGRICULTURAL SCIENCE. 9th annual report and statement of accounts, 1962-3. *New Zeal. Inst. Agr. Sci. Proc.* 9:11-20. 1963. 23 N489P
- 109261 NOBREGA, P. Report of activities of the Fundo de Pesquisas of the Instituto Biologico in 1962. (*Por*) *Biologico* 29(8):149-163. Aug. 1963. 442.8 B529  
Includes agricultural research.
- 109262 NORDISKE JORDBRUKSFORSKERES FORENING. Report, 1963. *Nord. Jordbrforsk.* 46(2): 45-102. 1964. 11 N752  
Text in Norwegian, Danish or Swedish.
- 109263 NORGES LANDBRUKSVITENSKAPELIGE FORSKNINGSRAD. Arsmelding [Annual report], 1963. Gjovik, 1964. 86 p. 11 N765  
English summary.
- 109264 PIONEERING research in the USDA. *Agr. Sci. Rev.* 2(1):1-11. Winter 1964. A31.3 Ag893
- 109265 ROCKEFELLER FOUNDATION. Annual report for 1963. New York, 1963. 319 p. 500 R592  
Includes agricultural research projects.
- 109266 SALCEDO, J. The Five-Year Science and Technology Development Program. *Sci. Rev.* 4(6):6-11,15. June 1963. 475 Sci237  
Includes agricultural research.
- 109267 SALMON, S. C., and HANSON, A. A. The principles and practice of agricultural research. London, Leonard Hill, 1964. 384 p. Ref. 30 Sa3  
Includes statistical methods.
- 109268 SOUTH CAROLINA. AGRICULTURAL EXPERIMENT STATION. Annual report, 1962-1963. Research—the key to tomorrow. Clemson, 1963. 19 p., map. 100 So8
- 109269 TENNESSEE. AGRICULTURAL EXPERIMENT STATION. Seventh-sixth annual report, 1963. Knoxville, 1964. 46 p., map. 100 T25S
- 109270 TUSKEGEE INSTITUTE. CARVER RESEARCH FOUNDATION. 3 year report 1960-1963. Tuskegee Institute, 1964. 16 p. 330.9 G29  
Agricultural research.
- 109271 U. S. AGRICULTURAL RESEARCH SERV. EASTERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Eastern Utilization Research and Development Division. Washington, 1964. 36 p., map. A31.3 R316  
Work of the Division.
- 109272 U. S. AGRICULTURAL RESEARCH SERV. EASTERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Laboratories and functions of the Eastern Utilization Research and Development Division, Wyndmoor, Pa. Washington, 1963. 19 p. A31.3 R316L
- 109273 U. S. AGRICULTURAL RESEARCH SERV. WESTERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Laboratories and functions, Western Utilization Research and Development Division, Albany, California. Washington, 1964. 15 p. A31.3 R3142W
- 109274 VOLOVCHENKO, I. P. Urgent tasks of agricultural science. (*Rus*) *Vest. Sel'skokhoz. Nauki [Moscow]* 4:2-5. 1964. 20 V633  
Research policies and programs.
- 109275 WASHINGTON. AGRICULTURAL EXPERIMENT STATION. 1964 research progress. Wash. Agr. Expt. Sta. Sta. C. 429,72 p. 1964. 100 W27S
- 109276 WISCONSIN. AGRICULTURAL EXPERIMENT STATION. What's new in farm science. Annual report, 2. *Wis. Agr. Expt. Sta. B.* 566,80 p. Fall 1963. 100 W75

## STATISTICS

- 109277 KOROTKY, L. L. Rapport sur la statistique agricole du Mali [Report on the agricultural statistics of Mali]. Food & Agr. Organ. United Nations. Expanded Tech. Asst. Program. FAO Rpt. 1623,12 p. 281.9 F733E
- 109278 SCHMIDT, W. Analysis of statistical data. II. Simplified methods. (*Ge*) *Angew. Bot.* 37(5): 187-269. Ref. Nov. 1963. 450 An4  
Biological applications.  
Review of the literature.

## NEW PERIODICALS AND SERIALS

AGRICHEMICAL WEST. v.7, No.8. Aug. 1964. San Francisco. 381 Ag85

BERLIN. DEUTSCHES INSTITUT FUR WIRTSCHAFTSFORSCHUNG. Economic bulletin. n.s. v.1. Jan. 1964. Berlin. 280.9 B452E

COMPUTERS & DATA PROCESSING. v.1, No.5. May 1964. New York. 326.8 C73

ENGINEER. v.4, No.4. Winter 1963. New York. 291.8 En3

FLORE ICONOGRAPHIQUE DES CHAMPIGNONS DU CONGO. No.1. Aug. 1935. Bruxelles. 462.19 F65

FOREST RESEARCH AND DEVELOPMENT. v.2, No.2. Mar. 1964. Macon, Ga., Georgia Forest Research Council. 99.8 F7636

GARTEN UND KLEINTIERZUCHT. C: IMKER. v.1, No.1. Oct. 1, 1962. Berlin, Verband der Kleingartner, Siedler und Kleintierzuechter. 424.8 G19



HARVARD UNIVERSITY. COMPUTATION LABORATORY. Information storage and retrieval, scientific report No. ISR. Apr. 1964. Cambridge. 244.9 H26

IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS. No.1. Jan. 1964. Easton, Pa., Institute of Electrical and Electronics Engineers. 335.8 In74

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY. Pre-symposium meeting, PSM-1. 1964. Tokyo. 385 In88P

KENYA STATISTICAL DIGEST. v.1, No.2. Dec. 1963. Nairobi, Economics and Statistics Division. 270 K428

L'APICULTEUR ALGERIEN. v.7, No.39. Dec. 1961. Alger, Federation Algerienne de l'Apiculture. 424.8 Ap334

THE MALAYA ECONOMIC REVIEW. V.9, No.1. Apr. 1964. Singapore, Malayan Economic Society. 280.8 M29

MEXICO Y SUS BOSQUES. v.2. Apr. 1963. [Mexico] Asociacion Mexicana de Profesionistas Forestales. 99.8 M573

MITTEILUNGEN FUR DEN LANDBAU; KUNSTSTOFFANWENDUNG. Oct. 1962. Limburgerhof/Pfalz, Badische Anilin- & Soda-Fabrik, Beratungsstelle fur Kunststoffanwendung in Landwirtschaft, Garten- und Weinbau. 309.8 M69

PRAGUE. VYZKUMNY USTAV VCELARSKY. VEDECKE PRACE. Scientific studies. 1958. Praha. 424.9 P88

PURE AND APPLIED CHEMISTRY. v.8, No.1. 1964. London, International Union of Pure and Applied Chemistry. 382 P97

SOCIETY OF AMERICAN FORESTERS, WASHINGTON, D. C. NORTHERN CALIFORNIA SECT. Newsletter. Feb. 1963. Davis. 99.9 So1322N

SOIL SENSE. v.1, No.1. Spring 1962. Johannesburg, Organic Soil Association of Southern Africa. 56.8 So322

TANGANYIKA TRADE JOURNAL. v.1, No.1. July/Sept. 1962. Dar es Salaam, Ministry of Commerce and Industry. 286.8 T152

USSR SCIENTIFIC ABSTRACTS; CHEMISTRY AND METALLURGY. Jan. 14, 1964. Washington, U. S. Joint Publications Research Service. 241.64 Un332

U. S. BUR. OF THE CENSUS. Business cycle developments. No.2. Feb. 1964. Washington. 157.41 B96

VENEZUELA. DIRECCION DE PLANIFICACION AGROPECUARIA. Resumen de las actividades desarrolladas por las once zonas del M.A.C. 1960, pub. 1961. Caracas. 281.9 V552R

VSESOYUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PCHELOVOODSTVA. No.2. 1957. Rybnoe. 424.9 V962V

VSESOYUZNYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT PCHELOVOODSTVA. Sbornik nauchno-tehnicheskoi informatsii. 1961. Rybnoe. 424.9 V962S

#### TRANSLATIONS

A cumulated list of translations which have been received in the Library during 1964. Most of these translations have been cited in earlier issues of this volume.

No copies are available for distribution, Photocopies may be ordered from the Library.

AALTONEN, V. T. Regarding the acidity in forest soils. 4 p. Transl. 13720

Translation from Meddelanden fran Forstvetenskapliga Forsoksanstalt 9:1-49. 1925.

\*ABARBARCJUK, I. L., DOSTITSYNA, K. P., and SKOBETS, YE. M. Polarographic determination of exchangeable aluminum in soils. Soviet Soil Sci. 2:222-225. Feb. 1962. 57.8 P34Ae

\*ABATUROV, B. D. Influence of steppe Lagurus lagurus Pall. on the soil. Soviet Soil Sci. 2:175-179. Feb. 1963. 57.8 P34Ae

ABDULLAEV, I. K. Use of triploid forms in breeding high yielding varieties of the mulberry tree. 7 p. Transl. 14011

Translation from Agrobiologiya 6:861-865. Nov./Dec. 1962.

ABDURAGIMOV, T. A., AVER'YANOV, S. F., and RACHINSKII, V. V. Application of the method of radioactive indicators in the study of the dynamics of leaching of a salt solution from soils on a model with a drain. 20 p. Ref. Transl. 13606

Translation from Timiryazevskaya Sel'skokhozyaistvennaya Akademiya. Izvestiya 50(1):226-232. 1963.

\*ABRAMOVA, M. M. Effectiveness of summer precipitation in an arid climate. Soviet Soil Sci. 9:929-936. Ref. Sept. 1962. 57.8 P34Ae

ABUSHKEVICH, P. V., and others. Natural tularemia foci in Khabarovsk Krai. 6 p. Transl. 13402

N. S. Belyaeva, I. A. Kulikov, M. I. Lev, and N. D. Mazurin, joint authors.

Translation from Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii 5:48-51. May 1963.

ADAIKIN, P. V. Eradication of the foot-and-mouth disease at the farms of the Ul'yanovsk Region. 6 p. Transl. 13326

Translation from Veterinariya 3:23-25. Mar. 1963.

ADAM, W. Ethylene oxide as a means of sterilization of dried egg products. 3 p. Transl. 13485

Translation from Deutsche Lebensmittel-Rundschau 54(5):110-111. 1958.

ADAMSKI, I. The process of balancing the levels of agricultural development in socialist countries. U. S. Joint P. Res. Serv. Transl. East European Forestry & Food Indus. 204:1-45. Oct. 28, 1963. 173 J663Ste

Translation from Gospodarka Planowa 8/9:63-75. Aug./Sept. 1963.

\*ADERIKHIN, P. G. Unification of the classification and nomenclature of soils in the central Chernozem Regions. Soviet Soil Sci. 2:125-129. Feb. 1962. 57.8 P34Ae

\*ADZHIMOLAEV, T. A., and GAVRILOV, V. V. Variations in the impedance of skeletal muscle in dogs at different age periods. Acad. Sci. USSR, Dok. Biol. Sci. Sect. 147(1/6):1389-1391. Ref. May/June 1963. 511 P444Aeb

\*AGAFONOVA, Z. YA. Development of the midge Stenodiplosis bromicola Mar. et Ag. (Diptera, Itonididae), in relation to peculiarities of brome biology (Bromis inermis Leyss. and riparius Rehm). Ent. Rev. 41(1):11-21. Ref. Jan./Mar. 1962. 421 R322Ae

\*AGAFONOVA, Z. YA. New brome pests-flies of the genus Dicraeus (Diptera, Chloropidae). Ent. Rev. 41(3):304-309. July/Sept. 1962. 421 R322Ae

- AGRE, A. L., and TELITCHENKO, M. M. Accumulation of radioactive strontium by hydrophytes and detritus. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 22(6,pt.2):T1218-T1219. Nov./Dec.1963. 442.9 F31P  
Translation from Moskovskoe Obshchestvo Ispytatelei Prirody, Otdel Biologicheskii. Byulleten' 68(1):133. 1963.
- AHLBORN, M. Study of the strength developed by the supporting tissue of the German hardwoods and of the influence of the length of the sclerenchyma fibres on its tensile strength. 59 p. Ref. Transl. 13547  
Translation of thesis (Ph.D.)-Braunschweig.
- AIRAPETIAN, V. G., KHACHATRYAN, A. B., and BOYADZHYAN, G. K. Properties of hog cholera virus grown in tissue cultures. 3 p. Transl. 14000  
Translation from Veterinariya 10:29-30. Oct.1963.
- AJCHLER, J. Achievements of state farms in 1962. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 186:23-30. July 29,1963. 173 J663Ste  
Translation from Statni Statky 6(6):82-83. 1963.
- AKADEMIYA NAUK SSSR. INSTITUT BIOKHEMII. Vitamin P, its properties and uses. 216 p. (Its Vitamin Sources and Their Utilization, No. 4) (OTS 63-11074) 389.1 Ak12  
Papers by M. N. Zaprometov, E. F. Shamrai, N. S. Verkhatskii, U. A. Kuz'minskaya, V. A. Nikonova, Z. I. Spilioti, T. V. Fetisova, Yu. V. Khmelevskiy, K. N. Veremeenko, A. Kh. Slim, N. N. Berezovskaya, N. S. Yarusova, I. S. Der-gachev, V. M. Selivanova, S. A. Lapina, V. I. Pevzner, E. A. Kraiko, G. S. Koroza, N. N. Erofeeva, I. N. Potapova, N. I. Arlashchenko, V. A. Sondak, and E. P. Gracheva.  
Translation of Vitamin P, ego svoistva i primeneniye, issued as its Vitaminnye resursy i ikh ispol'zovanie, No. 4.
- \*AKHVLEDIANI, G. K. Classification of gypsum-bearing soils in the Trans-Caucasus. Soviet Soil Sci. 5:532-534. Ref. May 1962. 57.8 P34Ae
- \*AKIM, L. E., and others. Investigation of changes in the functional groups in viscose pulp during bleaching. J. Appl. Chem. USSR 35(11):2428-2331. Ref. Nov.1962. 385 Z64Ae  
M. N. Karpinskii, V. A. Romanenko, and Yu. Ya. Etina, joint authors.
- \*AKIMTSEV, V. V. Ancient soil formation on the Trailetskiy Range in Georgia. Soviet Soil Sci. 1:99-100. Jan.1962. 57.8 P34Ae
- \*AKSENOVA, N. P. Effect of day length on oxidase activity in plants. Soviet Plant Physiol. 10(2):132-139. Ref. Sept./Oct.1963. 450 F58Ae
- \*AKSENOVA, V. A. Toxicity of polysaccharide fraction of toxin of Botrytis cinerea. Acad. Sci. USSR, Dok. Biol. Sci. Sect. 147(1/6):1426-1428. Ref. May/June 1963. 511 P444Aeb
- \*AKTYRTSEV, B. P. Provincial characteristics of soils in the broadleaf forest subzone of the central Russian upland. Soviet Soil Sci. 1:22-33. Ref. Jan.1962. 57.8 P34Ae
- AKULOVA, M. F. Biological method of diagnosis of anthrax. 8 p. Transl. 13313  
Translation from Veterinariya 5:58-61. May 1963.
- ALBENSKY, A. Our achievements in acclimatizing forest tree species. 10 p. Transl. 13721  
Translation from Les na Sluzhbu Sotsialisticheskomu Stroitelstvu, p.51-59. 1933.
- ALBERT. The outstanding significance of water conservation in the yield of our diluvial sands. 9 p. Transl. 13722  
Translation from Zeitschrift fur Forst- und Jagdwesen 56:193-202. Apr.1964.
- ALBERT. Unfavorable influence of too dense a stand on the water regime of poor pine soils. 6 p. Transl. 13723  
Translation from Zeitschrift fur Forst- und Jagdwesen 47:241-248. 1915.
- ALBERT, O. H. Pasteurization of frozen egg products by the Knotinua method. 6 p. Transl. 13430  
Translation from Internatl. Assoc. Vet. Food Hyg. Proc. 2:265-268. 1960, pub.1961.
- ALEKPEROV, S. A. The effect of concentrated salt solutions on the physiology of swelling and germination of seeds of some arboreal and shrub plants. 14 p. Ref. Transl. 14029  
Translation from Akademiya Nauk Azerbaidzhanskoi SSR, Izvestiya, Seriya Biologicheskikh i Meditsinskikh Nauk 1:15-23. 1961.
- \*ALEKSANDR Nikolayevich Rozanov, 1892-1963. Soviet Soil Sci. 4:395-396. Apr.1963. 57.8 P34Ae
- ALEKSANDROV, N. I., and others. Search for effective chemical vaccines against some zoonoses. 4. Experiences in producing chemical anthrax vaccine under semiindustrial conditions. 8 p. Transl. 13944  
N. E. Gefen, V. F. Runova, and Yu. V. Ezechuk, joint authors.  
Translation from Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii 41(1):119-125. Jan.1964.
- \*ALEKSANDROVA, I. V. Role of products from living actinomycetes in the formation of humus substances. Soviet Soil Sci. 12:1330-1334. Ref. Dec.1962. 57.8 P34Ae
- ALEKSEEV, N. N. On the determination of the potential of moisture transmission in tobacco. 10 p. Transl. 13605  
Translation from Vys. Ucheb. Zav. Pishch. Tekh. Izv. 4:144-149. 1962.
- \*ALEKSEEV, V. A. Light measurement under a forest canopy. Soviet Plant Physiol. 10(2):198-201. Ref. Sept./Oct.1963. 450 F58Ae
- \*ALESHIN, S. N., and BOLDYREV, A. I. Determination of exchangeable sodium in soils, using a sodium-glass electrode. Soviet Soil Sci. 1:105-112. Ref. Jan.1962. 57.8 P34Ae
- ALEXANDRESCU, P. Aspects of the development of Rumanian forests as reflected by statistical data. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 203:30-58, map. Oct.17,1963. 173 J663Ste  
Translation from Revista de Statistica 12(7):45-57. July 1963.
- ALFIMOV, N. N., YAGOVOI, P. N., and TIKHOMIROV, V. P. On the natural radioactivity of the leaves of some woody species. 5 p. Ref. Transl. 13362  
Translation from Botanicheskii Zhurnal 48(5):724-726. May 1963.
- \*ALIYEV, G. A. Cinnamon-Brown forest soils of the eastern part of the greater Caucasus. Soviet Soil Sci. 5:522-531. Ref. May 1962. 57.8 P34Ae
- ALLEWELDT, G., and GEISLER, G. Investigation on the concentration of the cellular sap in grapes. I. Alterability and variability of the osmotic value. 8 p. Transl. 13273  
Translation from Vitis 1:181-196. 1958.
- AMFITTEATROV, F. A., and others. The use of anti-FMD (foot-and-mouth disease) GNKI dry virus vaccine. 2 p. Transl. 13418  
V. F. Remizov, V. A. Shelashskii, and Kh. G. Abuzaev, joint authors.  
Translation from Veterinariya 8:15-16. Aug. 1963.
- AMMON, W. Some questions concerning the single-tree method. 11 p. Transl. 13772  
Translation from Schweizerische Zeitschrift fur Forstwesen 78:145-153, 177-183. 1927.
- \*AMOSOVA, I. S. High-temperature resistance of tissues in certain synanthropic flies (Diptera, Calliphoridae, Muscidae). Ent. Rev. 41(4):506-512. Ref. Oct./Dec.1962. 421 R322Ae
- AN, S. P. Feed production and the integration of agriculture and ranching. U. S. Joint P. Res. Serv. Transl. Communist. China's Agr. Anim. Husb. & Mater. 38:44-50. Apr.9,1963. 173 J663Trc  
Translation from Kuan-ming Jih pao, Feb.4, 1963:2.



ANANYEV, A. R. New fossil plants from the Lower Devonian deposits of the village of Tor-gashino, south-eastern zone of Western Siberia. 27 p. Ref. Transl. 13974

Translation from *Botanicheskii Zhurnal* 42(5): 691-702. 1957.

ANDERS, A. International symposium on the problems of measuring labor productivity in the agriculture of the socialist countries. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 212:14-19. Dec. 6, 1963. 173 J663Ste

Translation from *Wirtschaftswissenschaft* 11 (10):1677-1680. 1963.

\*ANDREENKO, S. S. The development of maize plants at different pH values of the nutritive medium. Acad. Sci. USSR, Dok. Biol. Sci. Sect. 147(1/6):1447-1448. May/June 1963. 511 P444Aeb

ANDREEV, S. V., MOLCHANOVA, V. A., and MARTENS, B. K. Use of radioactive isotopes for tagging *Hadena sordida* Skh. moths. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 22(5,pt.2): T825-T828. Ref. Sept./Oct. 1963. 442.9 F31P

Translation from *Zoologicheskii Zhurnal*, 41 (1):85. 1962.

ANDREEV, S. V., MARTENS, B. K., and MOI-CHANOVA, V. A. The utilization of radioactive isotopes in determining the efficiency of spraying farm crops with pesticides. 12 p. Transl. 13361

Translation from *Vestnik Sel'skokhozyaistvennoi Nauki* [Moscow] 4:135-138. Apr. 1963.

\*ANDREEV, V. N. Scientific and practical recommendations on the production of reindeer meat. Prob. North 6:243-246. 1962. 475 P944Ae

\*ANDREEV, V. S. Increase in the morphine content of polyploid opium poppies (*Papaver somniferum* L.). Acad. Sci. USSR, Dok. Biol. Sci. Sect. 148(1/6):100-103. Ref. July/Aug. 1963. 511 P444Aeb

\*ANDREY Ivanovich Bezsonov. Soviet Soil Sci. 9:997-999. Sept. 1962. 57.8 P34Ae

ANDREYEV, A. Initial experience in the work of party committees of production administrations. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 14:21-32. June 28, 1963. 173 J663Tso

Translation from *Kommunist Ukrainy* 3:18-25. Mar. 1963.

ANDRIENKO, L. Production of leguminous crops in the Ukraine. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 21:112-122. Dec. 31, 1963. 173 J663Tso

Translation from *Ekonomika Sel'skogo Khozyaistva* 9:69-76. Sept. 1963.

ANNENKOV, I. P., and VARYUSHIN, V. YA. Complications after the use of glycerinated crystal violet vaccine against hog cholera. 8 p. Transl. 13558

Translation from *Veterinariya* 11:38-43. Nov. 1963.

\*ANTIPOV-KARATAYEV, I. N., and KIZILOVA, A. A. Certain types of soil salinization in irrigated zones of Iran. Soviet Soil Sci. 3:302-310. Mar. 1962. 57.8 P34Ae

\*ANTONOV, A. S., FAVOROVA, O. O., and BE-LOZERSKII, A. N. The nucleotide composition of the desoxyribonucleic acids of animals and higher plants. Acad. Sci. USSR, Dok. Biol. Sci. Sect. 147(1/6):1232-1235. Ref. May/June 1963. 511 P444Aeb

ARIFDZHANOV, K. A. Problem of typification of the foot-and-mouth disease virus. 3 p. Transl. 13945

Translation from *Uzbekskii Nauchno-Issledovatel'skii Veterinarnyi Institut. Trudy* 14:3-5. 1961.

\*ARISTOV, S. G. Leaching soils salinized with sodium sulfate. Soviet Soil Sci. 7:699-702. Ref. July 1962. 57.8 P34Ae

\*ARISTOVSKAYA, T. V. Decomposition of organic mineral compounds in podzolic soils. Soviet Soil Sci. 1:20-29. Ref. Jan. 1963. 57.8 P34Ae

\*ARISTOVSKAYA, T. V. Natural forms of existence of soil bacteria. Microbiology 32(4):564-568. Jan./Feb. 1964. 448.3 M582Ae

\*ARISTOVSKAYA, T. V. Principles of ecological analysis in soil microbiology. Soviet Soil Sci. 1:4-14. Ref. Jan. 1962. 57.8 P34Ae

\*ARKAD'EVA, Z. A. Interrelationships of buckwheat and *Micrococcus* sp. Microbiology 32(2): 238-240. Sept./Oct. 1963. 448.3 M582Ae

\*ARKAD'EVA, Z. A. Interrelationships of corn and some bacteria of the root microflora. Microbiology 32(1):69-74. Ref. July/Aug. 1963. 448.3 M582Ae

\*ARKHANGEL'SKAYA, A. D. A new spore assemblage and the problem of the Middle-Upper Devonian boundary in the Volga-Ural Region. Acad. Sci. USSR, Dok. Earth Sci. Sect. 142 (1/6):55-56. Feb. 1964. 511 P444Aee

ARKHANGEL'SKII, N. N. The search for new methods of insecticide application. 4 p. (OTS 63-11052) Transl. 13924

Translation from *Vestnik Sel'skokhozyaistvennoi Nauki* 7:62-65. 1960.

ARLT, R. Cooperative democracy and the increase in the responsibility of the LPG in the state and in society during the extensive building of socialism. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 172:15-70. June 14, 1963. 173 J663Ste

Translation from *Sozialistische Demokratie* 17. Apr. 26, 1963.

ARO, P., KORPELA, T., and NISULA, P. Investigation on barking losses of thin spruce and birch pulp wood. 23 p. Transl. 13334

Translation from *Metsantutkimuslaitoksen Julkaisuja* 50:1-29. 1958.

\*ARTEM'EV, G. V. Basic problems in the development of vegetable growing in covered ground in the Far North. Prob. North 6:171-177. 1962. 475 P944Ae

ARZUMANYAN, G. A. Effects of compressing wood on its resistance to wood-destroying fungi. 3 p. Transl. 13604

Translation from *Akademiya Nauk Armyanskoi SSR. Doklady* 28:183-186. 1959.

ASAHINA, E. Analysis of freezing process of living materials. VI. Study on a freezing process of sap drop of plant cells. 7 p. Transl. 13603

No source of translation given.

\*ASHINAZE, D. L., GINZBURG, K. YE., and LEBEDEVA, L. S. Methods of determining the mineral forms of phosphorus in soil. Soviet Soil Sci. 5:413-423. Ref. May 1964. 57.8 P34Ae

ASSENMACHER, I. The molt of birds and its endocrinian determinism. 54 p. Transl. 14046

Translation from *Alauda* 26:251-289. 1958.

ATAULLAEV, N. A. The effect of petroleum growth stimulant (NRV) on the development, physiological changes, and yield of melons in Uzbekistan. 8 p. Transl. 13820

Translation from *Uzbekskii Biologicheskii Zhurnal* 5:8-14. 1963.

\*AVAKYAN, N. O. Determination of available phosphorus compounds in the soils of the mountain regions of Armenia. Soviet Soil Sci. 11: 1303-1311. Ref. Nov. 1962. 57.8 P34Ae

AVRORIN, N. A. Vegetation on lands fallowed for various periods in the Kamennaya Steppe. 8 p. Transl. 13724

Translation from *Akademiya Nauk SSSR. Botanicheskii Institut im. V. L. Komarova. Trudy. Seriya 3, Geobotanika* 1:187-193. 1933.

\*AVUNDZHYAN, E. S. Effect of the nitrogen and phosphorus source on the alkaloid content of tobacco. Soviet Plant Physiol. 10(1):8-12. Ref. July/Aug. 1963. 450 F58Ae

\*AVUNDZHYAN, E. S. The nature of bound amino acids in the bleeding sap of *Polygonum*. Soviet Plant Physiol. 9(6):580-582. Ref. May/June 1963. 450 F58Ae

\*AZIZBEKOVA, Z. S. Effect of sulfate salinization hardening on the productivity of certain agricultural plants. Soviet Plant Physiol. 9(6): 591-594. Ref. May/June 1963. 450 F58Ae

BABENKO, N., and GRACHEV, D. Mineral fertilizer utilization. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 17:5-7. Oct. 7, 1963. 173 J663Tso

Translation from *Ekonomicheskaya Gazeta* 31:9. Aug. 3, 1963.



- \*BAB'EVA, I. P., and SAVEL'EVA, N. D. Yeasts in the rhizosphere of plants. *Microbiology* 32(1):75-80. Ref. July/Aug. 1963. 448.3 M582Ae
- BACHMANN, L. Thoughts on the new technology of sugar beet cultivation. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 155:17-29. May 6, 1963. 173 J663Ste  
Translation from Wissenschaftlich-Technischer Fortschritt für die Landwirtschaft 4(2): 69-74. Feb. 1963.
- BACHOWSKI, L. The developmental prospects of the meat industry; Poland. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 224:40-46. Feb. 5, 1964.  
Translation from Przemysł Spożywczy 10: 21-26. Oct. 1963.
- BACHTEEV, F. C. Nikolaj Ivanovic Vavilov (11/26/1887-8/2/1942) to his 70th birthday. 22 p. Transl. 13973  
Translation from Zuchter 28:161-166. 1958.
- BAD'IN, G. Farm losses in Kirovskaya Oblast. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 16:2-3. Aug. 27, 1963. 173 J663Tso  
Translation from Ekonomicheskaya Gazeta 25:38. June 22, 1963.
- BAJALICA, D. Cooperatives in Yugoslavia. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 177:48-70. June 28, 1963. 173 J663Ste  
Translation from Nova Administracija 11(2): 105-111. Feb. 1963.
- BAJAN, K. On peasant self-government in agricultural circles. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 142:26-42. Apr. 8, 1963. 173 J663Ste  
Translation from Nowe Drogi 3:21-27. Mar. 1963.
- BAJRAKTARI, F. The development of agriculture is a complex process. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 174:1-19. June 19, 1963. 173 J663Ste  
Translation from Rruga e Partise 3:29-44. Mar. 1963.
- \*BALASHOV, YU. S. The integument structure in argasid ticks (Parasitiformes, Argasidae). Ent. Rev. 42(2):192-198. Ref. Apr./June 1963. 421 R322Ae
- \*BALAYEV, L. G. Results of experimental studies of water evaporation from the surface of capillary menisci. Soviet Soil Sci. 2:164-166. Feb. 1963. 57.8 P34Ae
- BALEN, J. The climatic elements of the carso in relation to reforestation. 18 p. Transl. 13744  
Translation from Le Karst Yougoslave, p. 28-43. 1928.
- BALEN, J. The technique of reforestation. 16 p. Transl. 13743  
Translation from Le Karst Yougoslave, p. 85-99. 1928.
- BALIE, P. The forests of pollarded oaks in the Basque country. 16 p. Transl. 13745  
Translation from Revue des Eaux et Forêts 10:745-753; 11:825-833; 12:905-915. 1933.
- \*BALITSKAYA, R. M., and KONDRAT'EVA, E. N. Effect of light intensity on the use of CO<sub>2</sub> and organic compounds in the photosynthesis of *Chloropseudomonas ethylicum*. *Microbiology* 32(2):167-171. Ref. Sept./Oct. 1963. 448.3 M582Ae
- BALJINNYAM, A. Primary party committee at the "Nairamdal" agricultural artel. U. S. Joint P. Res. Serv. Transl. Mongolia 39:31-37. Oct. 22, 1963. 173 J663Tmo  
Translation from Namyn Am'dral 7:49-51. July, 1963.
- BALJOZOVIC, S., and SAVCIC, M. The effect of certain action on state farm operations. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 185:15-29. July 25, 1963. 173 J663Ste  
Translation from Poljoprivreda i Zadrugarstvo 10(5):9-16. May 1963.
- BALKANSKI, S. Economic progress in the canning industry throughout the years of the three Five-Year Plans—a pledge to fulfill the fourth Five-Year Plan. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 131:1-13. Mar. 19, 1963. 173 J663Ste  
Translation from Khranitelna Promishlenost 11/12:7-12. Nov./Dec. 1962.
- \*BAN'KOVSKII, A. I., PEREL'SON, M. E., and SHEVELEV, V. A. Alkaloids of the globe thistle [*Echinops* spp.]. Acad. Sci. USSR. Proc. Chem. Sect. 148(1/6):136-138. Jan./Feb. 1963. 511 P444Aec
- BARANOV, N., and MIKHAYLOV, N. The effective use of mineral fertilizers. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 23:23-34. Feb. 4, 1964. 173 J663Tso  
Translation from Ekonomika Sel'skogo Khozyaistva 11:25-35. 1963.
- \*BARANOVA, I. P., and EGOROV, N. S. Pyruvic acid metabolism and the biosynthesis of chlorotetracycline by a culture of *Actinomyces aureofaciens*. *Microbiology* 32(2):179-184. Ref. Sept./Oct. 1963. 448.3 M582Ae
- BARKOVSKI, V. L., SOLOV'EV, S. I., and LESNYKH, V. I. Eradication of hog cholera from farms in Voronezh Region. 3 p. Transl. 13420  
Translation from Veterinariya 11:50-51. Nov. 1963.
- BARSKAJA, E. I. Histochemical study of the process of lignification in the maturation of wood. 16 p. Ref. Transl. 13484  
Translation from Fiziologiya Rastenii 9(2): 210-221. 1962.
- \*BARSUKOV, V. S., MALINOVSKII, O. V., and MITYUSHOVA, N. M. Dynamics of postradiation recovery of yeast cells in relation to γ-ray dose. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 151(1/6):891-893. Ref. Jan./Feb. 1964. 511 P444Aeb
- BARTOSZEK, T. Melioration investments in 1962. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 155:69-79. May 6, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 4:32-33. Feb. 15/28, 1963.
- BARZ, E. Stress conditions in circular sawblades and their effect on working behaviour. 8 p. Ref. Transl. 13602  
Translation from Holz als Roh- und Werkstoff 20(10):393-397. 1962.
- BARZYALIS, L. S. The problem of producing infectious atrophic rhinitis in swine experimentally. 3 p. Transl. 14012  
Translation from Veterinariya 11:52-53. Nov. 1963.
- BASOV, A. M., and IZAKOV, F. YA. Electric corona separation of grain. 9 p. Ref. Transl. 13601  
Translation from Vestnik Sel'skokhozyaistvennoi Nauki 1:107-113. Jan. 1962.
- BATH, B. H. VAN. The agrarian history of western Europe, A.D. 500-1850. London, Arnold, 1963. 364 p. Ref. 281.17 SL3Ae  
Translation of De agrarische geschiedenis van West-Europa, 500-1850
- BAUM, H. The lymphatic system of the fowl. 92 p. Ref. Transl. 14045  
Translation from Zeitschrift für die gesamte Anatomie. I Abteilung 93:1-34. 1930.
- BAUMANN, H., and MARIAN, J. E. The gluing pressure with wood as a function of physical factors. 12 p. Transl. 13274  
Translation from Holz als Roh- und Werkstoff 19(11):441-446. Nov. 1961.
- BAVENDAMM, W. The treatment of wooden floors in new buildings to prevent the occurrence of fungi causing house rot. 6 p. Transl. 13546  
Translation from Berichte aus der Bauforschung 26:43-45. 1962.
- \*BAZHANOVA, N. V., and SAPOZHNIKOV, D. I. Characteristics of the dark reaction of interconversion of xanthophylls. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 151(1/6):885-887. Ref. Jan./Feb. 1964. 511 P444Aeb



- BAZILEVICH, N. I., and RODIN, L. E. Peculiarities of the reduced biological cycle in zones characterized by various soils and flora. 6 p. Ref. (OTS 63-11028) Transl. 13519  
Translation from Akademiyi Nauk SSSR, Doklady 97(6):1061-1064, 1954.
- BAZZIGHER, G. A simplified freeze-drying method for conservation of cultures of fungi. 3 p. Transl. 13568  
Translation from Phytopathologische Zeitschrift 45(1):53-56, 1962.
- BE, C. H. Deviationist thinking causes setbacks to cooperative movement in Lang-Son. U. S. Joint P. Res. Serv. Trans. Hoc Tap (Studies). No. Vietnam 11:30-39. Dec. 31, 1963. 173 J663Th  
Translation from Hoc Tap 11:48-50. Nov. 1963.
- BECKER, G. Effectiveness of several contact insecticides against egg larvae of the house longhorn beetle and common furniture beetle larvae after 10 year storage of the treated wood. 12 p. Ref. Transl. 13600  
Translation from Holz-Zentralblatt 87 (154/156):2379-2380, 1961.
- BECKER, G. Food finding and chemotactic behavior of wood-inhabiting beetles. 9 p. Ref. Transl. 13716  
Translation from Zeitschrift fur Angewandte Entomologie 50(1):88-93, 1962.
- BECKER, W., and LAMPE, K. For a gradual transition toward industrial production methods in GDR agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 156:10-21. May 7, 1963. 173 J663Ste  
Translation from Einheit (2):37-46, Feb. 1963.
- \*BEDERNIKOVA, E. I., and others. Maltase activity of enzyme preparations from molds used in the baking industry. Microbiology 31 (6):881-884. Ref. May/June 1963. 448.3 M582Ae  
I. I. Lyushinskaya, G. N. Linetskaya, and M. V. Polyak, joint authors.
- BEGANOVIC, A. H., and MUFTIC, A. On chemism of the muscles in connection with postmortem chemical-physical changes in the meat. p. 3-8. (OTS 60-21632) Transl. 13059  
Translation from Veterinaria (Sarajevo) 7(2):369-372, 1958.
- \*BEI-BIENKO, G. YA. In memory of S. M. Fedorov (1888-1961). Ent. Rev. 41(1):147-149. Jan./Mar. 1962. 421 R322Ae
- \*BEI-BIENKO, G. YA. On the general classification of insects. Ent. Rev. 41(1):3-10. Ref. Jan./Mar. 1962. 421 R322Ae
- \*BEI-BIENKO, G. In memoriam, D. M. Steinberg (1909-1962). Ent. Rev. 42(2):255-257. Apr./June 1963. 421 R322Ae
- \*BEI-BIENKO, G. YA. In memory of Dr. C. Willemse. Ent. Rev. 41(4):586. Oct./Dec. 1962. 421 R322Ae
- BELJERINCK, W. Humus hardpan and leached sand as formed by opposite climates. 7 p. Ref. Transl. 13746  
Translation from Koninklijke Akademie van Wetenschappen te Amsterdam 37(2):93-99, 1934.
- BEKASIAK, I. The potato processing industry. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 139:48-61. Apr. 1, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 23:30-33. Dec. 1962.
- BEKASIAK, I. Trends in the technico-economic usage of reserve fodders in the key potato industries. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 202:25-34. Oct. 3, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 13:14-16. July 1/15, 1963.
- \*BEKLEMISHEV, V. N. Protection of inhabitants of the north against biting flies. Prob. North 6:91-93. 1962. 475 P944Ae
- \*BEKMUKHAMEDOVA, N. B. A method for analyzing exudate and possibilities for applying it to studies of root metabolism. Soviet Plant Physiol. 10(2):207-210. Sept./Oct. 1963. 450 F58Ae
- BELITZ, H. Development of the "Walter Schneider" seed production VEG (state farm) in Eisleben. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 139:1-12. Apr. 1, 1963. 173 J663Ste  
Translation from Zeitschrift fuer Agrar-ekonomik 6(2):44-47, Feb. 1963.
- BELITZ, H. D. Egg yolk proteins and their split products. I. Fractionation of phosvitin. 7 p. Ref. Transl. 13486  
Translation from Zeitschrift fur Lebensmittel-Untersuchung und Forschung 119:346-350, 1963.
- \*BELOSTOKOV, G. P. Anatomic structure of sprouts of conifers. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 148(1/6):223-227. July/Aug. 1963. 511 P444Aeb
- \*BELOZEROVA, L. S., and SOLDATENKOV, S. V. Transformation of organic acids in illuminated succulents. Soviet Plant Physiol. 10(2):168-173. Ref. Sept./Oct. 1963. 450 F58Ae
- BELIAKOV, A. Results of the revaluation of the fixed assets of kolkhozes. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 10:1-28. May 6, 1963. 173 J663Tso  
Translation from Vestnik Statistiki 1:1-12. Jan. 1963.
- \*BELYAYEVA, N. I. Colorimetric determination of silicic acid in Tamm's oxalate extracts. Soviet Soil Sci. 7:763-766. July 1962. 57.8 P34Ae
- BENGOM, J. Agricultural equipment sales. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 210:28-40. Nov. 15, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 18:34-36. Sept. 16/30, 1963.
- BENIC, R. Growth ring width as a factor in the quality of Fraxinus angustifolia wood. 18 p. (OTS 60-21639) Transl. 13686  
Translation from Sumarstvo 8(9):534-545, 1955.
- \*BENKEVICH, V. I. Forecasting the mass emergence of the gypsy moth, *Ocnieria dispar* L. (Lepidoptera, Liparidae). Communication IV. Forecasting emergences of the moth in eastern Siberia. Ent. Rev. 41(1):22-27. Ref. Jan./Mar. 1962. 421 R322Ae
- BERBEC, J., and BAWOLSKA, M. Investigations on the inactivation of the tobacco mosaic virus by heating. 10 p. Ref. (OTS 61-11371) Transl. 13298  
Translation from Hodowla Roslin, Aklimatyzacja i Nasiennictwo 1(2):125-134, 1957.
- \*BERDYSHEV, V. D. Computation of the water permeability of soils from vacuum-capillarmetric data. Soviet Soil Sci. 11:1300-1302. Nov. 1962. 57.8 P34Ae
- \*BEREZOVA, E. P. The effectiveness of bacterial fertilizers. Microbiology 32(2):301-304. Sept./Oct. 1963. 448.3 M582Ae
- BERGMANN, H., and others. Comparative researches into the effectiveness of some crystal-violet-vaccines against hog cholera. 12 p. 41 B4523  
Translation of Vergleichende Untersuchungen uber die Wirksamkeit einiger in verschiedenen Landern hergestellter Kristall-Violett-Vakzinen gegen Schweinepest.  
J. Brauner, A. F. Olechnowits, M. Potocek, H. Rohrer, D. Schmidt, O. Sima, M. Snizek, and J. Vlcek, joint authors.
- BERKO, N. F. The role of various types of corn roots in plant nutrition and their physiological features under irrigation. Soviet Plant Physiol. 10(1):18-23. Ref. July/Aug. 1963. 450 F58Ae
- BERNACKI, H. The problem of plowing speed. p. 80-101. (OTS 60-21569) 33.32 R59  
Translation from Roczniki Nauk Rolniczych, Seria C 67(3):357-381, 1958.
- BERNACKI, H. The problem of stability of mounted implements. p. 102-182. Ref. (OTS 60-21569) 33.32 R59  
Translation from Roczniki Nauk Rolniczych, Seria C 67(4):419-509, 1960.



- BEROV, L. Working peasants' real income under capitalism and now. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 119:32-58. Feb. 12, 1963. 173 J663Ste  
Translation from Trud i Tseni 4(9):31-45. Oct. 1962.
- BERZHE, YU. S., and HAIKINA, B. M. The fundamental problems of the industrialization of forestation. 3 p. Transl. 13747  
Translation from Na Lesokulturnom Fronte 1:34-38. 1932.
- \*BEZBORODOV, A. M., and others. Amino acid biosynthesis by Actinomycetes cultivated in various nutritive media and the effect of inhibitors on this process. Microbiology 32(3):329-332. Nov./Dec. 1963. 448.3 M582Ae  
S. S. Urusova, D. N. Chermenskii, and L. M. Shul'ts, joint authors.
- \*BEZBORODOV, A. M. Biosynthesis of amino acids by actinomycetes. Microbiology 32(1):15-20. Ref. July/Aug. 1963. 448.3 M582Ae
- \*BEZINGER, E. N., and others. Isolation and properties of bean chloroplast lipoprotein. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 151(1/6): 863-864. Ref. Jan./Feb. 1964. 511 P444Aeb  
M. I. Molchanov, A. P. Kotovskaya, and N. M. Sisakyan, joint authors.
- BIBLIOGRAPHY on equine encephalomyelitis. 86 p. Transl. 13599  
No source of translation given.
- \*BILENKO, P. YA., and LOGOVINENKO, O. A. Degree of fertility of the lower layers of a chestnut soil and their influence on plants. Soviet Soil Sci. 4:432-440. Ref. Apr. 1962. 57.8 P34Ae
- BILOU, V. N., and others. Roses, USSR. Amer. Rose Annu. 49:27-31. 1964. 81 Am31A  
E. E. Shtanjko, E. V. Udientzeva, and N. L. Mihailov, joint authors.  
No source of translation given.
- BIOKO, A. A. To improve methods of eradication of the foot-and-mouth disease. 12 p. Transl. 13325  
Translation from Veterinariya 3:5-9. Mar. 1963.
- BIOLLEY, H. The forest and precipitation. 6 p. Transl. 13748  
Translation from Journal Forestier Suisse 84(7):145-152. July 1933.
- BIOLLEY, H. Forest and rainfall. 7 p. Transl. 13749  
Translation from Journal Forestier Suisse 83:161-169. 1932.
- BIOLOGY—the science of life. 250 p. Ref. Transl. 13135  
Translation of Nauka i Zhizn'; spetsial'nyi nomer o zhivoi prirode, 4:1-112. Apr. 1962.
- BIRECKA, H., SZYMANSKA, W., and SAWICKA, A. The influence of low doses of X-rays on some species of higher plants. 13 p. Ref. (OTS 61-11326) Transl. 13297  
Translation from Roczniki Nauk Rolniczych. Ser. A, 79(3):911-925. 1959.
- BIRO, J. Data on the biologic properties of bacteria-free filtrates of swine erysipelas broth cultures. 6 p. Transl. 13972  
Translation from Allatorvosi Kozlony 30:7-10. 1933.
- BLAHO, P., and others. Youth, equipment, new technology—the key problem of agriculture: Czechoslovakia. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 239:1-11. Apr. 9, 1964. 173 J663Ste  
S. Halak, J. Faber, A. Petrak, M. Cyprich, S. Balaz, J. Davcik, S. Cikatricis, P. Kunik, and V. Hebron, joint authors.  
Translation from Zivot Strany 2:99-104. Jan. 1964.
- \*BLANKFEL'D, YU. I. Experimental "tagging" of soil air with  $C^{14}O_2$  for study of gas exchange under field conditions. Soviet Soil Sci. 5:553-561. May 1962. 57.8 P34Ae
- BLOMER, A. A contribution to the theory and design of glued joints in timber engineering construction, with particular reference to spliced and dovetailed glued timber joints. 60 p. Ref. Transl. 13544  
Translation from Bautechnik 38(10):325-350. Oct. 1961.
- \*BOBCHENKO, V. I. Water stability of soil. Soviet Soil Sci. 12:1391-1395. Ref. Dec. 1962. 57.8 P34Ae
- \*BOBKOV, V. P. Change in the salt composition of soils in the Volga-Akhtuba flood plain as a result of diking. Soviet Soil Sci. 5:459-468. May 1962. 57.8 P34Ae
- \*BOBKOV, V. P. Results of the experimental use of the mechanized vibration borer built by the VNIIGIM on some soils of the Volga-Akhtuba flood plain. Soviet Soil Sci. 1:67. Jan. 1963. 57.8 P34Ae
- \*BOBKOV, V. P. Solonetzization processes in the soils of the Volga-Akhtuba flood plain. Soviet Soil Sci. 6:575-582. June 1963. 57.8 P34Ae
- \*BOBRITSKAYA, M. A. Nitrogen intake in soil from atmospheric precipitation in various zones of the European USSR. Soviet Soil Sci. 12:1363-1368. Ref. Dec. 1962. 57.8 P34Ae
- \*BOBYREVA, T. V. Effect of organic phosphorus insecticides on the respiration rate of cotton. Soviet Plant Physiol. 9(6):588-590. May/June 1963. 450 F58Ae
- BOCHAROV, D. A. In the foot-and-mouth disease focus (a complex of veterinary-sanitary measures). 4 p. Transl. 13569  
Translation from Veterinariya 11:63-65. Nov. 1963.
- BODASINSKI, B. On peasant self-government in agricultural producer cooperatives. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 142:43-59. Apr. 8, 1963. 173 J663Ste  
Translation from Nowe Drogi 3:27-33. Mar. 1963.
- BOERIU, I. The "Unirea" vegetable oil plant at Iasi. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 192:33-37. Aug. 29, 1963. 173 J663Ste  
Translation from Industria Alimentara-Produse Vegetale 14(5):166-170. May 1963.
- BOGDANOV, P. L. On the photoperiodism of tree species. 2 p. Transl. 13725  
Translation from Leningrad. Nauchno-Issledovatel'skii Institut Lesnogo Khozyaystva. Sbornik Rabot po Lesnomu Khozyaystvu 10:54-55. 1931.
- BOGDANOV, V. The economics of public poultry raising. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 171:27-57. June 11, 1963. 173 J663Ste  
Translation from Ikonomiceskak Misul 3:81-95. Mar. 1963.
- BOGDANOVIC, M. Problems of integration of agriculture and industry. II. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 127:1-17. Mar. 5, 1963. 173 J663Ste  
Translation from Poljoprivreda I Zadrugarstvo 9(6):7-11. Nov. 1962.
- \*BOGUSH, P. P. Flight of Ichneumonidae (Hymenoptera) to a light trap at Bryansk in 1958. Ent. Rev. 41(3):350-352. July/Sept. 1962. 421 R322Ae
- \*BOICHENKO, E. A., and UDEL' NOVA, T. M. The formation of a peroxide and phosphatidylethanolamine in the enzymic reduction of carbonic acid. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1236-1238. Ref. May/June 1963. 511 P444Aeb
- \*BOICHENKO, E. A., and UDEL' NOVA, T. M. Synthesis of carbohydrates in plants. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 151(1/6):870-871. Ref. Jan./Feb. 1964. 511 P444Aeb



- \*BOKOTEY, I. I. A new species of sawfly of the genus *Ametastegia* A. Costa (Hymenoptera, Tenthredinidae) from Transcarpathia. Ent. Rev. 41(3):386. July/Sept.1962. 421 R322Ae
- \*BOLDYREV, N. K., and KIROV, S. M. Use of leaf diagnosis for more accurate determination of the limits of Truog's method for Omsk Oblast Chernozems. Soviet Soil Sci. 9:911-919. Ref. Sept.1962. 57.8 P34Ae
- \*BOLOTNIKOVA, L. S., and others. Characteristics and use of an alkaline solution of ferric sodium tartrate complex as a solvent for cellulose. J. Appl. Chem. USSR 35(12):2647-2650. Ref. Dec.1962. 385 Z64Ae  
S. N. Danilov, T. I. Samsonova, and L. D. Turkova, joint authors.
- \*BOLOTOVA, T. A. The use of chlorophos insecticide paper against houseflies in Mytishchi in 1959. J. Microbiol. Epidemiol. & Immunobiol. 32(5):931-932. 1961, pub.1962. 448.3 Z4Ae
- BONCH, E. I., and PETROVA, A. I. Application of thermomechanical aerosol fogs on rice. 7 p. Transl. 13403  
Translation from Vsesoyuznyi Nauchno-Issledovatel'skii Institut Zashchity Rastenii. Byulleten' 5:77-82. 1961.
- BONDARENKO, N. V. Diapause peculiarities in the spider mite (*Tetranychus urticae* Koch). 14 p. Ref. Transl. 13971  
Translation from Zoologicheskii Zhurnal 37:1012-1023. 1958.
- BORCH, P. Permanent shelter belts. 11 p. Transl. 13726  
Translation from Hedeselskabets Tidsskrift 3:37-48. Mar.1900.
- \*BORCHSENIUS, N. S. Notes on the Coccoidea (Homoptera) of China. X. Some new species of Pseudococcidae. Ent. Rev. 41(3):358-367. July/Sept.1962. 421 R322Ae
- BORISOVA, A. G. Some data regarding oak in the northwestern part of the Leningrad Region. 9 p. Ref. Transl. 13727  
Translation from Akademiya Nauk SSSR. Botanicheskii Institut im. V. L. Komarova. Trudy. Seriya 3, Geobotanika 1:179-186. 1933.
- BORISOVICH, YU. F. Active immunization of sheep against pox. 3 p. Transl. 13360  
Translation from Veterinariya 2:28-30. Feb. 1963.
- \*BORKHSENIUS, N. S. New Palaearctic genera and species of Diaspididae (Homoptera, Coccoidea). Ent. Rev. 41(4):536-541. Oct./Dec. 1962. 421 R322Ae
- \*BORKHSENIUS, N. S. The reduction of the number of stages in the larval and nymphal phases during the evolution of Coccoidea (Insecta, Homoptera). Acad. Sci. USSR. Dok. Biol. Sci. Sect. 149(1/6):544-545. Sept./Oct.1963. 511 P444Aeb
- BORNEBUSCH, C. H. Impressions from a journey to Germany and Bohemia. 14 p. Transl. 13728  
Translation from Dansk Skovforeningens Tidsskrift 11:121-140. 1926.
- BORNEBUSCH, C. H. Thinning experiments in red spruce forests. 73 p. Transl. 13729  
Translation from Denmark. Forstlige Forsogskommission. Det Forstlige Forsogsvaesen i Danmark 13(2):117-310. 1933.
- \*BOROVKOV, A. V., and BELOVA, N. V. Ursolic and oleanolic acids from *Myrica gale* L. J. Gen. Chem. USSR 32(10):3394. Oct.1962. 385 Z6Ae
- BOROVOL, V. YA. Forest economy of Czechoslovakia. 7 p. Transl. 13597  
Translation from Lesnoe Khozyaistvo 3:46-48. 1950.
- BOROVOL, V. YA. Forest economy of the People's Republic Albania. 8 p. Transl. 13598  
Translation from Lesnoe Khozyaistvo 5:46-48. 1950.
- BORTIER, P. Afforestation of the coast and dunes of Flanders. 14 p. Transl. 13730  
Partial translation of Boisement du littoral et des dunes de la Flandre.
- BOYDE, W. Inter-cooperative facilities of the agricultural producer cooperatives. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 190:40-69. Aug.23, 1963. 173 J663Ste  
Translation from Wirtschaftswissenschaft 6:934-945. June 1963.
- BOZUKOVA, L. The supply of fixed productive assets in the state farms (DZS's). U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 229:1-11. Feb.28,1964. 173 J663Ste  
Translation from Planovo Stopanstvo i Statistika 1:65-74. Jan.1964.
- BRAGINSKII, B. I., and DUMNOV, D. Labor productivity in agriculture in the USSR and the USA. In Shaffer, H. G., ed. The Soviet economy, p.176-184. Ref. 1963. 280,179 Sh12  
Translation from Vestnik Statistiki 2:3-9. May 1961.
- \*BREEV, K. A. The effect of various light sources on the numbers and species of blood-sucking mosquitoes (Diptera, Culicidae) collected in light traps. Ent. Rev. 42(2):155-168. Ref. Apr./June 1963. 421 R322Ae
- BREITHAUPT, G., and STAND, H. Position and mission of secondary production in DDR forestry. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 183:1-39. July 22,1963. 173 J663Ste  
Translation from Wirtschaftswissenschaft 5:736-750. May 1963.
- \*BRESHKOVSKIY, P. M. Influence of irrigation on the humus content in deep Chernozems. Soviet Soil Sci. 1:93-98. Ref. Jan.1962. 57.8 P34Ae
- BREZHNEV, D. D. Heterosis in vegetable crops. 5 p. Transl. 13819  
Translation from Priroda [Moscow] 9:50-55. 1963.
- BREZNJAK, M., and HVAMB, G. Statistical computation of the thickness variations of boards. 6 p. Transl. 13542  
Translation from Holz als Roh-und Werkstoff 21(2):62-64. Feb.1963.
- BRISTALA, F., and PROUZA, B. State tractor stations in the further development of agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 118:16-29. Feb.7,1963. 173 J663Ste  
Translation from Nova Mysl 11:1347-1354. Nov.1962.
- \*BRITIKOV, E. A., and LEBEDEVA, Z. V. Physiological effect of X-irradiated pollen on self-fertilization in corn. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 149(1/6):513-515. Ref. Sept./Oct.1963. 511 P444Aeb
- \*BROVCHENKO, M. I. Amino acid uptake by conducting and assimilating tissues of leaves. Soviet Plant Physiol. 10(4):349-355. Ref. Jan./Feb.1964. 450 F58Ae
- BRUCKBAUER, H., and RUDEL, M. Mechanical transmission of "infektiosen Panaschure" of the vine to herbaceous test plants. 1 p. Transl. 13271  
Translation from Wein Wissenschaft 17:241-242. Sept.1962.
- BRUCKBAUER, H., and RUDEL, M. Studies on virus diseases of grapes. 4. Further studies on mechanical transmission of fanleaf to weed test plants. 17 p. Transl. 13208  
Translation from Wein Wissenschaft 16:197-220. 1961.
- \*BRUMSTEIN, V. D., and METLITSKII, L. V. Application of the biochemical method of selection of plants for raising their resistance to microorganisms. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 149(1/6):305-307. Sept./Oct.1963. 511 P444Aeb
- BRZOSKA, M. Need for reform of the agronomy service organizations. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 210:53-77. Nov.15,1963. 173 J663Ste  
Translation from Wies Wspolczesna 9:35-45. Sept.1963.



- \*BUCHOWICZ, J. Incorporation of [2-<sup>14</sup>C] uracil into polynucleotides in homogenates of wheat seedlings. *Acta Biochim. Polon.* 10(3): 301-307. Ref. 1963. 385 Ac85Ae
- BUCKNER, E. Root-formation of various forest species in soils of the East Thuringian variegated sandstone territory. 13 p. Transl. 13731  
Translation from Tharandter Forstliches Jahrbuch 83:150-170. 1932.
- BUCZYNSKI, R. Feed and other forms of aid to animal breeders in 1962-1963. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 140:17-25. Apr. 1, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 12(2):5-7. Jan. 15-31, 1963.
- BUCZYNSKI, R., and MACIEJEWSKA, K. Number of farm animals in 1961-1962. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 125:20-30. Feb. 27, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 11(22):3-7. Nov. 15, 1962.
- BUCZYNSKI, R., and MACIEJEWSKA, K. Swine and cattle production situation. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 155:100-111. May 6, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 12(5):20-23. Mar. 1/15, 1963.
- \*BUINOVA, S. K., GRINBERGS, A. R., and STEBAEV, L. V. Geographical and ecological distribution of Collembola in the mountain-forest and forest-steppe landscapes of the southern Urals. *Ent. Rev.* 42(2):199-205. Ref. Apr./June 1963. 421 R322Ae
- BUKHINA, M. F. Effect of deformation on the crystallization of supercooled cured and uncured rubbers. *Rubber Chem & Technol.* 37(2):404-407. Apr./June 1964. 78.8 R822  
Translation from Vysokomolekulyarnye Soedineniya 5:1725-1728. 1963.
- BULATOVA, T. I. The nonspecificity of indirect hemagglutination reaction in botulin detection in food. 7 p. Transl. 13916  
Translation from Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii 41(1):96-101. Jan. 1964.
- BULOS ABDEL MALEK BUTROS. Adaptation of the foot-and-mouth disease virus type O to the body of adult albino mice. The study of immunobiological properties of the adapted FMD virus. 5 p. Transl. 13567  
Translation from Veterinariya 11:71-72. Nov. 1963.
- \*BULYGINSKAYA, M. Distribution of Pectinophora malvella Hb. (Lepidoptera, Gelechiidae) in Transcaucasia and its development on various species of Malvaceae. *Ent. Rev.* 41(3): 317-325. Ref. July/Sept. 1962. 421 R322Ae
- \*BUNKINA, L. S. Changes in the sodium and potassium ions in the smooth muscle of the chick amnion at various stages of its rhythmic activity. *B. Expt. Biol. & Med.* 55(2):138-140. Ref. Mar. 1964. 442.8 B87Ae
- \*BUNKINA, L. S. Role of the acetylcholine-cholinesterase system in the spontaneous rhythmic activity of the amnion of the chick embryo. *B. Expt. Biol. & Med.* 55(1):14-17. Ref. Mar. 1964. 442.8 B87Ae
- BUNNING, E. The physiological clock; endogenous diurnal rhythms and biological chronometry. 145 p. Ref. 442 B88Ae  
Translation of Edition 2 of Die Physiologische Uhr.
- \*BUNYATYAN, G. KH., and OGANESYAN, A. S. Role of the adenosine triphosphate-adenosine triphosphatase system in glucose transport. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 149(1/6): 283-286. Ref. Sept./Oct. 1963. 511 P444Aeb
- BURA, D. Forestry and wood industry in Bulgaria. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 235: 11-37. Mar. 23, 1964. 173 J663Ste  
Translation from Sumarski List 87(11/12): 460-481. Nov./Dec. 1963.
- BURGER, H. Forests and the water regime. 7 p. Transl. 13733  
Translation from Schweizerische Zeitschrift fur Forstwesen 2:38-44. Feb. 1929.
- BURGER, H. Influence of pasture on water and erosion. 3 p. Transl. 13739  
Translation from Journal Forestier Suisse 83:97-102. 1932.
- BURGER, H. Influence of the forest on water stages. Communication II. The water regime of the Sperbelgraben and the Rappengraben, from 1915-1916 to 1926-1927. 105 p. Transl. 13736  
Translation from Schweizerische Anstalt fur das Forstliche Versuchswesen. Mitteilungen 18(11). 1934.
- BURGER, H. Influence of race, soil, and site upon the stem form of pine. 6 p. Transl. 13738  
Translation from Zeitschrift fur Forst- und Jagdwesen 57:296-303. 1925.
- BURGER, H. Physics of forest soil and stump-grubbing. 11 p. Transl. 13732  
Translation from Zeitschrift fur Forst- und Jagdwesen 56:451-461. Aug. 1964.
- BURGER, H. Pure and mixed stands. 9 p. Transl. 13735  
Translation from Zeitschrift fur Forst- und Jagdwesen 60:100-108. 1928.
- BURGER, H. The question of the forest climate. 65 p. Ref. Transl. 13741  
Translation from Schweizerische Anstalt fur das Forstliche Versuchswesen. Mitteilungen 18(1):7-54, 153-192. 1933.
- BURGER, H. Soil studies in the Teufmatt reforestation area at Entlebuch. 6 p. Transl. 13734  
Translation from Schweizerische Zeitschrift fur Forstwesen, p. 424-428. 1930.
- BURGER, H. Transpiration of our forest trees. 9 p. Transl. 13715  
Translation from Zeitschrift fur Forst- und Jagdwesen 57:473-482. 1925.
- BURGHAUSEN, R. Chemical weed control in potatoes. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 175:10-17. June 20, 1963. 173 J663Ste  
Translation from Die Deutsche Landwirtschaft 14(5):230-233. May 1963.
- \*BURMISTROV, S. I., VLASOVA, O. Kh., and KAZANKINA, L. G. Synthesis of herbicides. V. J. Gen. Chem. USSR 33(5):1374-1376. Ref. May 1963. 385 Z6Ae
- BURMISTROVA, M. F. Physicomechanical properties of agricultural crops. 250 p. Ref. (OTS 61-31216) 64 B922Ae  
Translation of Fiziko-mekhanicheskie svoistva sel'skokhozyaistvennykh rastenii.
- BURO, A. The effect of heating treatments on the fungus resistance of fir and beech wood. 16 p. Ref. Transl. 13483  
Translation from Holz als Roh- und Werkstoff 12:297-304. 1954.
- \*BUROV, V. N. Factors governing the population dynamics and harmfulness of Aelia bugs (Heteroptera, Pentatomidae) in virgin regions of northern Kazakhstan. *Ent. Rev.* 41(2):162-168. Ref. Apr./June 1962. 421 R322Ae
- \*BUSHCHIK, T. N., and SAAKYAN-BARANOVA, A. A. Males of Coccus hesperidum L. (Homoptera, Coccoidea). *Ent. Rev.* 41(2):203-212. Ref. Apr./June 1962. 421 R322Ae
- \*BUSLOVA, E. D. Qualitative changes in protochlorophyll (precursor of chlorophyll) in different plants. *Soviet Plant Physiol.* 9(6):538-543. Ref. May/June 1963. 450 F58Ae
- BUSSE. What influence has the age of the parent tree upon its progeny? 13 p. Transl. 13742  
Translation from Zeitschrift fur Forst- und Jagdwesen 58(1):72-83. 1926.
- BUSSLER, W. Boron deficiency in maize. 11 p. Transl. 13593  
Translation from Deutsche Landwirtschaftsgesellschaft. Mitteilungen 77(33):1110-1112. 1962.



- BUTKOVIC, M. Development of forestry in the Seven-Year Plan, 1964-1970; Yugoslavia. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 235:1-10. Mar. 23, 1964. 173 J663Ste  
Translation from Sumarski List 87(11/12): 415-420. Nov./Dec. 1963.
- \*BUTUZOVA, O. V. Role of the root system of trees in the formation of microrelief. Soviet Soil Sci. 4:364-372. Ref. Apr. 1962. 57.8 P34Ae
- \*BYALYY, A. M. Soil moisture loss and moisture circulation under crop rotation. Soviet Soil Sci. 4:352-359. Ref. Apr. 1962. 57.8 P34Ae
- \*BYCHENKOVA, E. A. An investigation of callus formation in certain trees and shrubs by the method of tissue culture in vitro. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 151(1/6):1077-1080. Ref. Jan./Feb. 1964. 511 P444Aeb
- BYCHENKOVA, E. A. The study of callus formation in several shrubs and woody species by tissue culture in vitro. 6 p. Ref. Transl. 13821  
Translation from Akademiya Nauk SSSR. Doklady 151(3):732-736. 1963.
- BYCHKOV, A. In the new conditions. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 11:32-34. May 13, 1963. 173 J663Tso  
Translation from Ekonomicheskaya Gazeta 13:14. Mar. 30, 1963.
- \*BYSTRITSKAYA, T. L., and LOMONOSOV, M. V. Genesis of strongly compacted soils in the Ural and Kuban River valleys (in their middle reaches). Soviet Soil Sci. 9:941-948. Ref. Sept. 1962. 57.8 P34Ae
- \*BYSTRITSKAYA, T. L., and TYURYUKANOV, A. N. Transitional genetic soil class and some groups of dark-colored soils it includes. Soviet Soil Sci. 12:1426-1427. Ref. Dec. 1962. 57.8 P34Ae
- CAKAN, S. Problems in cattle raising could be solved much more efficiently. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 130:56-67. Mar. 11, 1963. 173 J663Ste  
Translation from Poljoprivreda 10(9/12):15-18. 1962.
- CALDART, F. The sila pine in reforestation. 11 p. Transl. 13678  
Translation from L'Alpe, Rivista Forestale Italiana 19(6):175-183. 1932.
- CATHERINET, M. Some observations on germination of the peanut; study of the optimum temperature. 7 p. Transl. 13136  
Translation from Bambe, Senegal. Centre Recherches Agronomiques. Bulletin 16:93-98. 1956.
- CEDERWALL, K. Calculation of nailed structures, with particular regard to the characteristic properties of the connection. 34 p. Transl. 13210  
Translation from Chalmers Tekniska Hogskolas Handlingar 248:4-49. 1961.
- \*CHAILAKHYAN, M. KH., and KONSTANTINOVA, T. N. Effect of aeration conditions on the photoperiodic reaction of plants. Soviet Plant Physiol. 9(6):553-560. Ref. May/June 1963. 450 F58Ae
- \*CHAILAKHYAN, M. KH., and SARKISOVA, M. M. The effect of gibberellin on the growth of grapes. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 148(1/6):247-251. Ref. July/Aug. 1963. 511 P444Aeb
- \*CHAILAKHYAN, M. KH., and others. The role of gibberellins in photoperiodism, vernalization and stratification. Soviet Plant Physiol. 10(4): 389-398. Ref. Jan./Feb. 1964. 450 F58Ae  
T. V. Nekrasova, L. P. Khlopenkova, and V. N. Lozhnikova, joint authors.
- \*CHAKVETADZE, YE. A., and YAKUBOV, T. F. Aeolian soil complex on wind-eroded dark Chestnut sandy loams. Soviet Soil Sci. 7:716-721. July 1962. 57.8 P34Ae
- \*CHAKVETADZE, YE. A. Results of dust storm observations in the Irtysh Region. Soviet Soil Sci. 2:180-186. Ref. Feb. 1962. 57.8 P34Ae
- CHALUPA, J. Achievements of Vrbecany state farm. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 205:1-8. Oct. 29, 1963. 173 J663Ste  
Translation from Statni Statky 6(8):118-119. 1963.
- CHAN, J. W. Four large vegetable markets in the national capital filled with miscellaneous products. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 70:21-33. Nov. 13, 1963. 173 J663Trc  
Translation from Ta Kung Pao, Sept. 28, 1963: 3.
- CHAN, Y. F. High quality and fast purchase of cotton and jute in Chekiang Province. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 70:24-25. Nov. 13, 1963. 173 J663Trc  
Translation from Ta-kung-Pao, Sept. 25, 1963: 2.
- \*CHANAN, S., ZAITSEVA, G. N., and SYONG, N. K. Soluble ribonucleic acid in the developmental cycle of *Azotobacter vinelandii*. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):578-581. Ref. Nov./Dec. 1963. 511 P444Aeb
- \*CHANG, F. C. Determination of available phosphates in soil using isotope tracers. Soviet Soil Sci. 9:937-940. Sept. 1962. 57.8 P34Ae
- CHANG, T. H. Hog-raising become profitable in Chekiang Province. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 64:12-13. Oct. 10, 1963. 173 J663Trc  
Translation from Ta Kung Pao, Aug. 23, 1963: 2.
- CHANG, T. L. Water conservancy & agricultural production. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 64:1-11. Oct. 10, 1963. 173 J663Trc  
Translation from Jen-min Jih-pao, Aug. 29, 1963: 5.
- CHANG, W. T. Attempted discussion on the development of fruit trees in this country. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 48:25-41. June 25, 1963. 173 J663Trc  
Translation from Jen-min Jih-pao, May 21, 1963, p. 5.
- CHANG, Y. H. A flourishing collective subsidiary production in Chekiang Province. U. S. Joint P. Res. Serv. Transl. Communist China's Trade, Finance, Transportation & Commun. 84: 15-17. Jan. 28, 1964. 173 J663Tcc  
Translation from Ta Kung Pao, Dec. 24, 1963: 2.
- CHAO, H. If we choose the right course, our agricultural future is infinitely good. Communist China Digest 97:36-44. July 31, 1963. 280.8 C735  
Translation from K'o-hsueh Ta-chung, No. 5. May 5, 1963.
- CHAO, T. J. Establishing broad grain feed bases by crop rotation. Communist China Digest 113:98-108. Feb. 6, 1964. 280.8 C735  
Translation from Chung-kuo Nung-yeh K'o-hsueh 3. 1963.
- CHAO, T. J. Establishing board grain feed bases by crop rotation. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 73:75-94. Nov. 29, 1963. 173 J663Trc  
Translation from Chung-kuo Nung-yeh K'o-hsueh 3:42-46. 1963.
- CHAO, Y. P. High cotton yield also possible on arid land. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 38:56-59. Apr. 9, 1963. 173 J663Trc  
Translation from Kuang-ming Jih-pao, Feb. 2, 1963: 2.
- CHASHI, K. The fine structure of amylopectin. III. -- Amylase limit-dextrin. 11 p. Transl. 13172  
Translation from Agricultural Chemical Society of Japan. Journal 35(11):1065-1069. 1961.
- \*CHEKALOV, K. I., and ILLYUVIYEVA, V. P. Use of the C14 isotope for the study of the decomposition of organic matter in soil. Soviet Soil Sci. 5:482-490. May 1962. 57.8 P34Ae



- CHEKASIN, M. New prices for cotton are a great incentive for agricultural production. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 15:32-43. Aug. 21, 1963. 173 J663Tso  
Translation from Narodnoe Khozyaistvo Uzbekistana 6:34-41. June 1963.
- CH'EN, H. H. Development of ramie production in Kiukiang. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 27:62-71. Feb. 6, 1963. 173 J663Trc  
Translation from Ta Kung Pao, Dec. 4, 1962:2.
- CHEN, H. T. Pi-Shih-Hang irrigation system brings water to Anhwei land. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 91:54-61. Mar. 13, 1964. 173 J663Trc  
Translation from Jen-min Jih-pao Jan. 31, 1964:2.
- CH'EN, J., and CH'UNG, L. How to select and store cotton seeds. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 70:5-10. Nov. 13, 1963. 173 J663Trc  
Translation from Ta Kung Pao, Sept. 24, 1963:2.
- CH'EN, J. The propagation and promotion of better varieties of cotton. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 54:31-38. Aug. 1, 1963. 173 J663Trc  
Translation from Jen-min Jih-pao, May 28, 1963:5.
- CH'EN, J. The theory and practice of revitalization of cotton seeds. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 76:14-26. Dec. 12, 1963. 173 J663Trc  
Translation from Jen-min Jih-pao, Oct. 29, 1963:5.
- CH'EN, L. S. On the problems of raising the efficiency of mechanical equipment. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 28:47-52. Feb. 12, 1963. 173 J663Trc  
Translation from Chung-kuo Lin-yeh 2:23-25. 1962.
- CH'EN, S. C. A discussion concerning the economical and efficient use of chemical fertilizer. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 85:7-17. Feb. 4, 1964. 173 J663Trc  
Translation from Jen-min Jih-pao, Dec. 24, 1963:5.
- CH'EN, S. M. Some problems in plant protection work. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 27:32-44. Feb. 6, 1963. 173 J663Trc  
Translation from Jen-min Jih-pao, Dec. 4, 1962:5.
- CH'EN, T. A., HUANG, F. T., and CHIN, H. C. To improve the work of gathering logs. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 28:53-58. Feb. 12, 1963. 173 J663Trc  
Translation from Chung-kuo Lin-yeh 2:24-25. 1962.
- CH'EN, T. C. Good quality tobacco harvested in Anhwei. U. S. Joint P. Res. Serv. Transl. Communist China's Trade, Finance, Transportation & Commun. 70:20-21. Nov. 13, 1963. 173 J663Tcc  
Translation from Ta Kung Pao, Sept. 24, 1963:2.
- CH'EN, T. C. Progress report of the developing livestock industries in Jo-erh-hai hsien. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 68:28-34. Oct. 30, 1963. 173 J663Trc  
Translation from Min-tsu T'u'an-chieh 61:37-39. June 1963.
- CH'EN, Y. P., CHIA, C. S., and T'IEH, S. K. The conclusion of the preliminary experiment on the application of organic and inorganic mixture fertilizer on rice in Szechwan. 16 p. Transl. 13970  
Translation from T'u-jang Hsueh-pao 4(2). July 1956.
- CH'EN JEN. Survey report on selective pure-breeding of cotton in Kiangsu province. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 77:1-23. Dec. 17, 1963.  
Translation from Chung-kuo Nung-pao 3:1-7. Mar. 10, 1963.
- CHENG, L. Several problems in agricultural economics. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 93:1-6. Apr. 14, 1963. 173 J663Trc  
Translation from Kuang-ming Jih-pao, Mar. 7, 1964:2.
- CH'ENG, P. Y. Crop rotation types—how they can increase production. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 58:1-3. Aug. 29, 1963. 173 J663Trc  
Translation from Ta Kung Pao, July 12, 1963:3.
- CHEREMISIN, G. G. Dogs—the source of spreading of ovine brucellosis. 3 p. Transl. 13359  
Translation from Veterinariya 2:27-28. Feb. 1963.
- \*CHEREMISINOV, G. A. Some agrobiological properties of eroded soils in Poltava Oblast'. Soviet Soil Sci. 1:87-92. Ref. Jan. 1962. 57.8 P34Ae
- CHERKASOV, M. Planning major economic regions. U. S. Joint P. Res. Serv. Transl. Soviet Econ. System: Struct. & Policy 89:11-30, map. July 29, 1963. 173 J663Sove  
Translation from Arkhitektura SSSR 5:30-36. 1963.
- CHERKASSKII, E. S. Veterinary science and education in Hungary. 12 p. Transl. 13358  
Translation from Veterinariya 2:79-83. Feb. 1963.
- CHERNAVSKAYA, N. M. Photosynthesis under conditions of different nitrogen nutrition and illumination. Soviet Plant Physiol. 10(1):1-7. Ref. July/Aug. 1963. 450 F58Ae
- \*CHERNIGOVSKII, V. N., and ZARAIKAYA, S. M. Cortical representation of the vagus nerve and the limbic lobe of the brain in the cat. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147 (1/6):1387-1388. May/June 1963. 511 P444Aeb
- \*CHERNOBAI, A. V. Reactions of cyclopentadiene polymers with vegetable oils. J. Appl. Chem. 35(10):2250-2251. Oct. 1962. 385 J64Ae
- CHERNOV, V. A. The nature of soil acidity. 170 p. Ref. 56.42 C42Ae  
Translation of O prirode pochvennoi kislotnosti.
- CHESNOKOV, V. A., and ZHABOTINSKII, G. KH. Influence of light on the transformation of organic acids in leaves. 30 p. Ref. Transl. 13592  
Translation from Leningrad. Universitet. Petergofskii Biologicheskii Institut. Trudy 18:3-20. 1960.
- CHI, M. Determination of direction and quantity in specialization of production. U. S. Joint P. Res. Serv. Trans. No. Vietnam's Econ. 68:25-31. Nov. 2, 1963. 173 J663Trn  
Translation from Nghien Cuu Kinh Te 15:41-43. June 1963.
- CHI-SHENG, H., and others. Cultivation of the peanut root nodule bacteria and its effect on the fruit yield increase. 18 p. Ref. Transl. 13975  
C. Shu-yun, C. Pling-chen, and C. Chih-p'ei, joint authors.  
Translation from T'u-jang Hsueh-pao 2(4):185-195. July 1956.
- CHIA, C. L. A study in loss of water and soil in the Yellow River region and preventive measures. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 82:39-49. Jan. 14, 1964. 173 J663Trc  
Translation from Jen-min Jih-pao, Dec. 5, 1963:5.
- CHIA-HSIANG, W. Planning for national forests. p. 19-26. Transl. 12989  
Translation from Chung-kuo Lin-yeh 6:12-13. 1962.



- CHIANG, C., and HSIUNG, I. Preliminary study on swelling of soil colloids. 17 p. Ref. Transl. 13969  
Translation from T'u-jang Hsueh-pao 4(2): 129-140. July 1956.
- CHIN, N. L., CHIA, S. J., and T'ANG, C. H. The application of biophysics in agriculture. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 50, 6 p. June 28, 1963. 173 J663Trc  
Translation from Kaung-min Jih pao, Apr. 22, 1963:1.
- CHINA. MINISTRY OF FORESTRY. Ministry of forestry sums up forestation work in the past 13 years. Communist China Digest 97:64-75. July 31, 1963. 280.8 C735  
Translation from Chung-kuo Lin-yeh, No. 5. May 6, 1963.
- \*CHINAEV, P. P. On the ecology and biology of the malarial mosquito *Anopheles superpictus* Grassi (Diptera, Culicidae) in Uzbekistan. Ent. Rev. 42(2):169-175. Ref. Apr./June 1963. 421 R322Ae
- CH'ING, C. One important problem in the operation of third category farm product. U. S. Joint P. Res. Serv. Transl. Communist China's Trade, Finance, Transportation & Commun. 64:50-53. Oct. 14, 1963. 173 J663Tcc  
Translation from Ta Kung Pao Sept. 8, 1963:2.
- CHING, H. Seed deterioration and pestilence in paddy rice is discussed. Communist China Digest 102:55-57. Sept. 30, 1963. 280.8 C735  
Translation from Hen-min Jih-pao, June 12, 1963.
- \*CHIRIKOV, F. V. In memory Sh. R. Tsintadze. Soviet Soil Sci. 3:298-299. Mar. 1963. 57.8 P34Ae
- CHIRKOVA-ZALESSKAYA, E. F. Materials on the Lower Devonian flora of the Minusinsk depression. 14 p. Transl. 13968  
Translation from Academy of Sciences of the USSR. Petroleum Institute. Transactions, volume VII. 1956.
- CHODZICKI, E. Soil biological research applied to the question of beech underplanting in pine stands. 12 p. Transl. 13751  
Translation from International Congress of Forestry Experimental Stations, Stockholm, 1929. Proceedings p. 577-588.
- CHOIJLSUREN, O. Crop farming in a socialist agricultural system. U. S. Joint P. Res. Serv. Transl. Mongolia 41:6-11. Nov. 13, 1963. 173 J663Tmo  
Translation from Ediyen Dzasag Erhiyn 4:242-246. 1963.
- CHOJNACKA, H. Peasant farm income from agricultural production. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 179:74-87. July 8, 1963. 173 J663Ste  
Translation from Zycie Gospodarcze 23:5. June 9, 1963.
- CHOLAJ, H. Structure and production significance of contracting. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 193:1-32. Aug. 30, 1963. 173 J663Ste  
Translation from Wies Wspolczesna 6:74-87. June 1963.
- CHOLAKOV, S. Irrigation and drainage systems as factors in regional administration of Bulgarian agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 117:1-13. Feb. 1, 1963. 173 J663Ste  
Translation from Izvestiya Na Vishiya Institut Za Narodno Stopanstvo 3:34-46. July/Sept. 1962.
- CHOU, P. H. Rural market for manufactured goods is brisk in Chekiang. U. S. Joint P. Res. Serv. Transl. Communist China's Trade, Finance, Transportation & Commun. 82:19-22. Jan. 15, 1964. 173 J663Tcc  
Translation from Ta Kung Pao, Dec. 6, 1963:1.
- CHOU, S. L. Factors determining socialist agricultural enlarged reproduction. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 76:41-55. Dec. 12, 1963. 173 J66Trc  
Translation from Kuang-ming Jih-pao, Oct. 21, 1963:4.
- CHOU, S. Y. On the problem of credit balance. U. S. Joint P. Res. Serv. Transl. Communist China's Trade, Finance, Transportation & Commun. 64:18-42. Oct. 14, 1963. 173 J663Tcc  
Translation from Kuang-ming Jih-pao, Aug. 26, 1963:4.
- CHOU, T. Y., and WAN, C. C. The relation between agricultural mechanization and intensive cultivation in raising unit area production. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 69:8-30. Nov. 5, 1963. 173 J663Trc  
Translation from Kuang-ming Jih-pao, Sept. 16, 1963:4.
- \*CHUMAKOVA, B. M., and GORYUNOVA, Z. S. Development of males of *Prospaltella perniciosi* Tow. (Hymenoptera, Aphelinidae), parasite of San Jose scale [*Aspidiotus perniciosus*] (Homoptera, Coccoidea). Ent. Rev. 42(2):178-181. Apr./June 1963. 421 R322Ae
- \*CHUNOSOVA, V. N. Determination of irrigation regime for sugar beet on the basis of cell sap concentration. Soviet Plant Physiol. 10(2):189-192. Sept./Oct. 1963. 450 F58Ae
- \*CHURILINA, YU. G. Twenty-fifth anniversary of the Chair of Soil Science at Voronezh State University. Soviet Soil Sci. 10:1208-1209. Oct. 1962. 57.8 P34Ae
- CHWALA, A. Chemical modifications of cellulose and wool. 40 p. Ref. Transl. 13272  
Translation from Associazione Italiana di Chimica Tessile e Coloristica. Bollettino; date of publication not given.
- \*CHZHUN'-YUAN', S. On the role of the cerebral cortex in the functional interrelationships between the mammary gland and the digestive system. B. Expt. Biol. & Med. 54(12):1326-1329. Ref. Jan. 1964. 442.8 B87Ae
- CIRIC, M. The characteristics of the process of podzolization of soils in Serbia. p. 5-75, map. Ref. (OTS 60-21616) Transl. 13518  
Translation from Jugoslovensko Drustvo za Proucavanje Zemljista No. 4, 1956.
- CIRIC, M. The problem of classification of podzolic soils. p. 76-84. Ref. (OTS 60-21678) Transl. 13518  
Translation from Narodni Sumar 12(1/3):48-58. 1955.
- CIZEK, J. The effect of pressing technology on the increased productivity in the flakeboard industry. 14 p. Ref. Transl. 13481  
Translation from Drevo 17:140-146. 1962.
- CLEMENT, G. Determination of lipids in food products; considerations of their nutritive value. 27 p. Ref. Transl. 13967  
Translation from Annales de Zootechnie. Ser. D, 1956:237-253.
- CONFERENCE ON COMPARING USSR AND USA ECONOMIC INDICES. Papers comparing industry and agriculture of USSR and USA, by L. M. Tsyrlin, Ya. Ya. Kotkovskiy, L. P. Zlomanov, and V. I. Sobakinskikh. U. S. Joint P. Res. Serv. Transl. Soviet Econ. System: Struct. & Policy 90, 79 p. Aug. 20, 1963. 173 J663Sove  
Translation from Vestnik Statistiki 6:29-73, 81-85. June 1963.
- CORDS, E. Contributions to the theory of the cranial nerve system of birds. 43 p. Transl. 14028  
Translation from Anatomische Hefte. I. 26 (78/79/80):49-100. 1904.
- CORRENS, C. On the problem of sex determination of higher plants. 40 p. Transl. 13591  
Translation from Zeitschrift für Induktive Abstammungs- und Vererbungslehre 41(1):5-40. 1926.
- COSTANTINI, H. L. V., and others. Complement fixing antibody and neutralizing antibody in sera from bovines experimentally infected with foot-and-mouth disease virus. 18 p. 41 C823  
S. Rivenson, E. Degiorgi, and M. Segura, joint authors.  
No source of translation given.



- COSTANTINI, L. V., and others. Complement-fixing antibody and neutralizing antibody in sera from bovines experimentally infected with foot-and-mouth disease virus. 18 p. Transl. 13487  
S. Rivenston, E. Degiorgi, and M. Segura, joint authors.  
Translation from Revista de Investigaciones Ganaderas 14:185-216. 1962.
- CRAPLET, C. C. The dairy cow: reproduction, genetics, nutrition, habitat, principal diseases. 452 p. 43 C852Ae  
Translation of La vache laitiere.
- CUEVAS, C. C. Natives of Arauco recover their lands. 13 p. Transl. 13057  
Translation from Principios 91:83-89. Sept./Oct. 1962.
- CUZIN, J. The influence of external factors on the content of active principles in industrial tobaccos. 13 p. Transl. 13966  
Translation from Pharmaceutisch Weekblad, 1957:775-781.
- CZECHOWICZ, A. Heavy industry and agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 179:30-43. July 8, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 9:1-3. May 1/15, 1963.
- DABROWSKI, A. Preliminary determination of the effect of forest management methods upon the physical and mechanical properties of wood. 29 p. (OTS 60-21241) Transl. 13261  
Translation from Sylwan 96(3):283-304. 1952.
- DACZKOWSKI, W. 1962-1963 campaign for grain sales in Wielkopolska. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 188:27-33. Aug. 12, 1963. 173 J663Ste  
Translation from Przegląd Zbozowo-Młynarski 7(4/5):98-100. Apr./May 1963.
- \*DADASHEVA, SH. G. Comparative anatomic analysis of the adaptation of leaves and wood of certain Azerbaidzhanian plants to drought conditions. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 148(1/6):228-231. Ref. July/Aug. 1963. 511 P444Aeb
- \*DADASHEVA, SH. G. Some features of the structure of axial organs in desert and semi-desert shrubs. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1415-1417. May/June 1963. 511 P444Aeb
- DAI, P. T. Suggestions concerning distribution in agricultural cooperatives for coming years. U. S. Joint P. Res. Serv. Trans. No. Vietnam's Econ. 68:32-46. Nov. 2, 1963. 173 J663Trn  
Translation from Nghien Cuu Kinh Te 15:49-54. June, 1963.
- DALMER, O. Phytosterols. Bee Cult. Br. Translation from Klein, G. Handbuch der Pflanzenanalyse, p. 715-731, 732-739.
- DAMASKA, J., and NEMECEK, J. Complex soil research in Czechoslovakia. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 199:1-9. Sept. 23, 1963. 173 J663Ste  
Translation from Mezinarodni Zemedelsky Casopis 7(3):24-27. 1963.
- \*DANILEVSKII, A. S., and KUZNETSOV, V. I. In memory of Mikhail Alekseyevich Ryabov (1890-1962). Ent. Rev. 42(2):258-259. Apr./June 1963. 421 R322Ae
- DANILOVA, L. V. Somite differentiation in the Karakul sheep embryo. Fed. Amer. Soc. Expt. Biol. Feder. Proc. 22(4, pt. 2):T677-T683. Ref. July/Aug. 1963. 442,9 F31P  
Translation from Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya, No. 1, p. 70, 1962.
- \*DANILOVA, N. S. Determination of nitrates in plant material. Soviet Plant Physiol. 10(4): 418-419. Jan./Feb. 1964. 450 F58Ae
- \*DANISHEVSKII, G. M. The problems involved in providing the population of the polar regions with fresh agricultural products of high nutritional value; the direction of development of agriculture in the North in the light of health care for adults and children in the northern regions of the Soviet Union. Prob. North 6:157-164. 1962. 475 P944Ae
- \*DANTSIG, YE. M. Revision of the genus Rhizococcus Signoret (Homoptera, Coccoidea) in the fauna of the USSR. Ent. Rev. 41(4):520-535. Ref. Oct./Dec. 1962. 421 R322Ae
- \*DAULBAEV, E. A. Methods of isolating actinophages from the soil. Microbiology 32(4): 554-557. Ref. Jan./Feb. 1964. 448,3 M582Ae
- DAVIDOVICH, V. F., KAZANTSEVA, E. L., and MALYSHEVA, M. N. Peculiarities of tularemia epidemiology and ways of its eradication. 8 p., map. Ref. Transl. 13363  
Translation from Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii 12:44-49. Dec. 1962.
- DAVYDOV, A., and KHACHIKYANTS, S. Karshinskaya steppe will become a land of plenty. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 10:70-91, map. May 6, 1963. 173 J663Tso  
Translation from Kommunist Uzbekistana 11: 77-86. Nov. 1962.
- \*DAVYDOVA, N. V., POSPELOVA, V. V., and TELITCHENKO, M. M. The relationship between algae and microorganisms. 3. Effect of the algae Chlorella vulgaris and Scenedesmus obliquus on the survival of bacteriophages to Salmonella typhimurium. B. Expt. Biol. & Med. 54(11):1263-1266. Ref. Nov. 1963. 442,8 B87Ae
- DECKENBACH, C. The question regarding etiology of pellagra. 5 p. Transl. 13268  
Translation from Zentralblatt für Bakteriologie und Parasitenkunde 45:507-512. 1908.
- DEKESTER, M. African oil palm commercial farming. II. Transplanting. World farming 5(10):40-41, 43. Oct. 1963. 30.08 W89  
Translation from Oleagineux, May 1962.
- DELCHÉV, C., and JORDANOV, I. Resistance and destruction of Salmonella in the melange of duck eggs. 7 p. Transl. 13437  
Translation from Internatl. Assoc. Vet. Food Hyg. Proc. 2: 271-274. 1960, pub. 1961.
- \*DELONE, N. L., and DANILINA, A. N. Cytochemical properties of the interphase nuclei of cells having different physiological functions. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 151(1/6): 940-943. Ref. Jan./Feb. 1964. 511 P444Aeb
- DELUZE, J. J. Floods, forest regulation and legislation. 10 p. Transl. 13752  
Translation from Journal Forestier Suisse 82:49-55, 78-83. 1931.
- DENGLER, A. The effect of depth of cover upon the germination and early development of pine seed. 19 p. Transl. 13714  
Translation from Zeitschrift für Forst- und Jagdwesen 57:385-408. 1925.
- DENGLER, A. The main questions in the modern management of our East German pine forests. 33 p. Transl. 13753  
Translation from Zeitschrift für Forst- und Jagdwesen 60(1):65-100. 1928.
- \*DENISOV, I. A. Agricultural use of tropical soils in Africa. Soviet Soil Sci. 7:750-756. Ref. July 1962. 57,8 P34Ae
- \*DENISOV, I. A. Critical remarks on "instructions for Compiling and Using Soil Maps in the Kolkhozes and Sovkhozos of the RSFSR" Moscow, 1959. Soviet Soil Sci. 5:564-565. May 1962. 57,8 P34Ae
- DEPPE, H. J., and ERNST, K. Measuring of the surface of particleboard. 7 p. Ref. Transl. 13710  
Translation from Holz als Roh- und Werkstoff 21(4):129-132. Apr. 1963.
- \*DERBENEVA, N. N. Biology and postembryonic development of Taeniothrips fedorovi Priesner (Thysanoptera, Thripidae). Ent. Rev. 41(2):195-202. Apr./June 1962. 421 R322Ae
- DI TELLA, G. The forest versus the mountain torrent. 68 p. Transl. 13755  
Translation of Il bosco contro il torrente.
- \*DIBNER, V. D. Cretaceous stratigraphy of the islands of the Barents-Kara shelf and Gornyy Taymyr. Acad. Sci. USSR. Dok. Earth Sci. Sect. 144(1/6):103-106. May 1964. 511 P444Aee



- DIMENY, I. Some problems concerning the development of Hungarian agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 216:12-21. Dec.31, 1963. 173 J663Ste  
Translation from Tarsadalmi Szemle 18(11): 14-24. Nov.1963.
- DIMENY, I. The technical and material supply of agriculture and higher standard mechanization. Hungarian Agr. Rev. 12(2):5-6. 1963. 241 H89  
Translation from Nemzetközi Mezogazdasági Szemle 6:5-6. 1962.
- DIMITROV, A. Agricultural development in Bulgaria and its capitalist neighbors. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry and Food Indus. 214:1-19. Dec.10, 1963. 173 J663Ste  
Translation from Selskostopanska Nauka 2(7): 871-877. Aug.1963.
- DIMITROV, A. The welfare of cooperative farmers in rising; Bulgaria. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 224:19-28. Feb.5,1964. 173 J663Ste  
Translation from Selskostopanska Nauka 10: 1187-1195. Nov.1963.
- \*DIMO, V. N. Methods of studying the thermal regime of soils. Soviet Soil Sci. 6:534-540. Ref. June 1963. 57.8 P34Ae
- DIRLBECK, J. Use of a ground aerosol generator against potato beetles [Leptinotarsa decemlineata]. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 214:67-79. Dec.10,1963. 173 J663Ste  
Translation from Mezinárodní Zemědělský Casopis 4:27-31. 1963.
- DJUROVIC, R. Property relations in the village under the new constitution. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 217:15-25. Ref. Jan.3, 1964. 173 J663Ste  
Translation from Poljoprivreda i Zadrugarstvo 10(10):3-10. Oct.1963.
- \*DMITRENKO, P. A., and SHESTIDESYATNAYA, N. YE. Effect of liming on the fertility of the soils of Transcarpathia. Soviet Soil Sci. 10: 1142-1147. Ref. Oct.1962. 57.8 P34Ae
- \*DMITRENKO, P. A., TOMASHEVSKAYA, E. G., and SHTURMOVA, V. S. Phosphorus nutrition of cereals and legumes at the beginning of growth. Soviet Plant Physiol. 10(2): 113-117. Sept./Oct.1963. 450 F58Ae
- \*DMITRIEVA, N. I. Differential growth of the brain in the dog during postnatal ontogenesis. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 148(1/6): 169-171. Ref. July/Aug.1963. 511 P444Aeb
- DMITRIEVA, N. P. Submicroscopic changes in Brown-Pearce tumor cells after exposure to ultrasound. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 23(1,pt.2):T46-T50. Ref. Jan./Feb.1964. 442.9 F31P  
Translation from Tsitologiya 4(5):559, 1962.
- \*DMITROVSKII, A. A. Hematin catalysis of the oxidation of vitamin A and fats. Biochemistry (Biokhimiya) 26(2):202-209. Ref. Sept./Oct. 1961. 385 B523Ae
- DMOCH, J. Investigations on the cabbage seed-stalk curculio (Ceutorhynchus Quadridens Panz.). p.85-111. Ref. (OTS 60-21574) 464 P87  
Translation from Poznan. Instytut Ochrony Roslin. Prace Naukowe 1(3):37-72. 1959.
- DOBREV, G. Planning liquid assets in the cooperative farms (TKZS's). U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 138:43-48. Mar.29,1963. 173 J663Ste  
Translation from Otchetnost i Kontrol v Selskoto Stopanstvo 7(12):570-572. 1962.
- \*DOBRITSKAYA, YU. I. Molybdenum content in certain soils of the USSR. Soviet Soil Sci. 1: 79-86. Ref. Jan.1962. 57.8 P34Ae
- \*DOBRITSKAYA, YU. I. Quick method for a short total chemical analysis of soils. Soviet Soil Sci. 9:965-972. Ref. Sept.1962. 57.8 P34Ae
- DOBROKHOTOV, A. M. Committee on Veterinary Affairs of the Council of Labor and Defense and its role in the control of epizootics in the USSR. 10 p. Transl. 13357  
Translation from Veterinariya 12:69-74. Dec. 1962.
- \*DOBROLYUBSKII, O. K. The effect of the microelement vanadium on grape. Soviet Plant Physiol. 10(3):263-267. Nov./Dec.1963. 450 F58Ae
- \*DOBRONRAVOVA, N. P., and KUINDZHI, N. N. Nutrition and some aspects of metabolism of the indigenous population of the Far North. Prob. North 6:115-117. 1962. 475 P944Ae
- \*DOBROSERDOVA, I. V. Effect of microelements on the water regime of seedlings of certain woody species. Soviet Plant Physiol. 9(5): 465-469. Ref. Mar./Apr.1963. 450 F58Ae
- \*DOBROVOL'SKIY, V. V. Landscape-geochemical characteristics of mountain tundras in the Kola Peninsula. Soviet Soil Sci. 2:119-124. Ref. Feb.1963. 57.8 P34Ae
- DOBSINSKY, O., and ROBES, B. Progress of liquidation of tuberculosis of cattle. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 203:16-29. Oct.17, 1963. 173 J663Ste  
Translation from Veterinarstvi 13(7):289-293. Sept.1963.
- \*DOLGILEVICH, M. I., KOCHKIN, M. A., and SEVAST'YANOV, N. F. Composition and properties of humus in Crimean Cinnamon-Brown soils. Soviet Soil Sci. 2:200-206. Ref. Feb. 1962. 57.8 P34Ae
- \*DOLGOVA, L. S. Characteristics of sod podzolic soils formed on binary alluvial deposits. Soviet Soil Sci. 5:451-458. Ref. May 1963. 57.8 P34Ae
- DOMANSKY, R., and RENDOS, F. On the pyrolysis of wood and its components. 6 p. Ref. Transl. 13480  
Translation from Holz als Roh- und Werkstoff 20(12):473-476. Dec.1962.
- \*DONCHEV, ZH. B. Non-leaching type of water regime in relation to soil typology and vegetation. Soviet Soil Sci. 3:311-314. Mar.1962. 57.8 P34Ae
- DOROFEEV, V. F. The role of adventitious roots in the resistance of wheat to lodging. 2 p. Transl. 13965  
Translation from Seleksiya i Semenovodstvo 4:70-72. 1959.
- \*DOROFEEV, P. I. On the discovery of Miocene flora along the lower reaches of the Ob' River. Acad. Sci. USSR. Dok. Earth Sci. Sect. 144(1/6):175-178. Ref. May 1964. 511 P444Aee
- \*DOROKHOV, B. L. Rate of photosynthesis measured on different sides of tomato leaves. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 148(1/6): 252-253. July/Aug.1963. 511 P444Aeb
- \*DOROSINSKII, L. M., LAZAREVA, N. M., and EMTSEV, V. T. Role of root nodule bacteria in the nitrogen nutrition of leguminous plants. Microbiology 31(6):861-864. May/June 1963. 448.3 M582Ae
- \*DOROVSKAYA, I. F. Formation and photosynthetic activity of assimilating surface of inbred and hybrid corn. Soviet Plant Physiol. 9 (5):506-509. Mar./Apr.1963. 450 F58Ae
- DRACHEVSKII, K. P., and POPOV, L. A. Role of affiliates of the Academy of Sciences USSR in developing the agriculture of the country. U. S. Joint P. Res. Serv. [Transl.] Soviet Sci. & Agr., Dec.20,1962:16-21. 173 J663Ssa  
Translation from Byulleten' Tekhniko-Ekonomicheskoi Informatsii 7:78-80. 1962.
- DRAGANOV, R. Raising cooperative property in cooperative labor farms to the level of social property. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 143:1-16. Apr.11,1963. 173 J663Ste  
Translation from Novo Vreme 1:57-68. Jan. 1963.



- DRAGOS, T. Rational utilization of agricultural machinery. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 197:1-5. Sept. 16, 1963. 173 J663Ste  
Translation from Agricultura Socialista 22: 1-2. July 4, 1963.
- DRAHOS, V. The effect of the rate of airflow on the rate of drying of timber. 11 p. Transl. 13270  
Translation from Drevarsky Vyskum 5(1):73-86. June 1960.
- DROZDZYNSKA, I. The fruit and vegetable industry. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 139:62-67. Apr. 1, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 23:33-35. Dec. 1962.
- \*DRUSHCHITS, V. V., and SHIMANSKIY, V. N. The scope of the Paleozoic era. Acad. Sci. USSR. Dok. Earth Sci. Sect. 144(1/6):106-109. Ref. May 1964. 511 P444Aee
- \*DRUZHNIN, M. K. TsNIIS air content meter. Soviet Soil Sci. 5:555-557. May 1962. 57.8 P34Ae
- DRZAS, B. Regional cultivation of seed vegetables to 1980. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 193:33-42. Aug. 30, 1963. 173 J663Ste  
Translation from Wies Wspolczesna 6:133-137. June 1963.
- DUBAKH, A. D. Combating swamp formation on forest stands after heavy clear fellings. 29 p. Ref. Transl. 13756  
Translation from Leningrad. Tsentral'nyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva. Doklady, p. 5-38. 1933.
- DUBININ, V. B. Mange mites (Acariformes, Sarcoptoidea) and mange diseases of wild mammals. 19 p. Ref. Transl. 13964  
Translation from Zoologicheskii Zhurnal 34 (6):1189-1202. 1955.
- \*DUBOSHINA, Z. N., and PROSKURNINA, N. F. Alkaloids of *Oxytropis muricata*. J. Gen. Chem. USSR 33(6):2017-2018. June 1963. 385 Z6Ae
- \*DUBROVSKAYA, I. I., and OSTROVSKAYA, N. N. Changes in the antigen complexes of *Brucella* under the influence of phage. Biochemistry (Biokhimiya) 26(2):261-266. Sept./Oct. 1961. 385 B523Ae
- DUNIN, M. S. On some methods of obtaining and applying antisera in phytopathological and entomological research. 19 p. Ref. Transl. 13963  
Translation from Vestnik Sel'skokhozyaistvennoi Nauki 3:43-55. 1958.
- DUPAIGNE, P. Treatment of fruits with ionizing radiations. 18 p. Ref. Transl. 13962  
Translation from Conserve e Derivati Agrumari 7(27):154-162. Sept. 1958.
- DUPU, M., and others. Studies concerning the use of "steam shock" for compressing chipboards assembled with native glue. 11 p. Transl. 13336  
T. Oradeanu, G. Badanoiu, and I. Alexandru, joint authors.  
Translation from Industria Lemnului 3:88-95. 1960.
- \*DURASOV, A. M. Carbon-nitrogen ratio of the principal soils of Ciscaucasia. Soviet Soil Sci. 7:757-758. Ref. July 1962. 57.8 P34Ae
- \*DURMISHIDZE, S. V. Transport and transformations of labeled metabolites in the stems and shoots of plants. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 149(1/6):308-310. Ref. Sept./Oct. 1963. 511 P444Aeb
- \*DYADECHKO, N. P. A new species of the genus *Haplothrips* (Thysanoptera) from the Crimea and Transcaucasus. Ent. Rev. 41(1):93-95. Jan./Mar. 1962. 421 R322Ae
- \*DYAKONOVA, K. V. Iron-humus complexes and their role in plant nutrition. Soviet Soil Sci. 7:692-698. Ref. July 1962. 57.8 P34Ae
- DZHAFAROV, S. M. New spp. of Diptera, Heleidae from Nakhichevan ASSR. 2 p. Transl. 13961  
Translation from Akademiya Nauk Azerbaidzhanskoi SSR. Doklady 14(3):245-247. 1958.
- \*DZHAFAROV, SH. M. New species of blood-sucking midges (Diptera, Heleidae) from the valley of the Kura River, Transcaucasus. Ent. Rev. 41(1):121-131. Jan./Mar. 1962. 421 R322Ae
- ECKSTEIN, Z. The trends of development of research and application of chemical plant protection agents in China. 17 p. Transl. 13960  
Translation from Przemysl Chemiczny 39(4): 205-210. 1960.
- \*EFREMOV, V. V. Hygienic basis and methods of organizing a rational diet for the inhabitants of the Far North. Prob. North 6:105-113. 1962. 475 P944Ae
- \*EGOROV, I. A., RODOPULO, A. K., and PISARNITSKI, A. F. Determination higher alcohols in brandy spirit by means of gas-liquid chromatography. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 151(1/6):868-869. Jan./Feb. 1964. 511 P444Aeb
- \*EGOROVA, T. A., and SMOLIN, A. N. Study of the site and origins of the biosynthesis of trehalose in the oak egg moth organism. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1194-1196. Ref. May/June 1963. 511 P444Aeb
- EICHSTADT, J. Organization of competition as the principal method in agricultural management. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 128:12-17. Mar. 7, 1963. 173 J663Ste  
\* Translation from Die Deutsche Landwirtschaft 14(1):17-18. Jan. 1963.
- \*EIDEL'MAN, Z. M., and KHODZHAIEV, A. S. The dynamics of the photoreaction of the inter-conversion of xanthophylls during greening. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6): 829-831. Ref. Nov./Dec. 1963. 511 P444Aeb
- ELAGIN, I. N. Raising hybrid buckwheat seeds. 7 p. Transl. 13885  
Translation from Vestnik Sel'skokhozyaistvennoi Nauki 3:45-50. 1961.
- ELECTRICITY and poultry breeding. 6 p. Transl. 13214  
Translation from Mezogazdasagi Technika 2(3):28-29. Mar. 1962.
- ELISTA, U.S.S.R. PROTIVOKHUMNAYA STANTSIYA. Collection of scientific works. 246 p. 1962. 448 EL4  
Translation of Sbornik nauchnykh rabot. No. 1 1959.
- ELKNER, A., and SLONIMSKI, P. On the connective tissue of the comb of the adult cock. 21 p. Transl. 14043  
Translation from Bull. Hist. Appl. Physiol. et Path. 4:263-278. 1927.
- \*EMEL'YANOV, YU. M., and NEKRASOV, V. I. X-ray photography of wood from the district affected by the fall of the Tungus meteorite. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 148(1/6): 261-264. Ref. July/Aug. 1963. 511 P444Aeb
- ENDRES, G. The Spessart oaks. 45 p. Transl. 13757  
Translation from Forstwissenschaftliches Centralblatt 73(5):149-157; (6):208-216; (7):229-240; (8):277-289; (9):316-327. 1929.
- ENEROTH, O. Contribution to the knowledge we have of the effect on the soil from burning of clearings. 76 p. Ref. Transl. 13758  
Translation from Svenska Skogsvardsforeningens Tidskrift 26:685-758. 1928.
- ENGLER, A. Effect of the source of seed upon the qualities of forest woody plants. 7 p. Transl. 13759  
Translation from Schweizerische Central Anstalt fur das Forstliche Versuchswesen. Mitteilungen 8:81-89. 1905.
- \*EPIKHINA, V. V., and ZAVARZIN, G. A. Oxidation-reduction potential in the development of Metallogenium. Microbiology 32(2):195-197. Sept./Oct. 1963. 448.3 M582Ae
- \*ERMOLAEVA, V. YU. Descending connections of the cortical representation zones of the splanchnic nerve in the cat. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1339-1342. May/June 1963. 511 P444Aeb



ERMOLOV, B. N. Changes in thyroid activity and milk productivity in goats administered L-thyroxin. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 23(1,pt.2):T186-T188. Jan./Feb.1964. 442.9 F31P

Translation from Fiziologicheskii Zhurnal SSSR imeni I. M. Sechenova 49(2):111. 1963.

\*EVLAKHOVA, A. A., and SHEKHURINA, T. A. Antifungal action of the cuticle of *Eurygaster integriceps* Put. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 148(1/6):199-201. July/Aug.1963. 511 P444Aeb

EVREINOV, M. G. New types of power used in agricultural production. 4 p. (OTS 63-11053) Transl. 13516

Translation from Vestnik Sel'skokhozyai-stvennoi Nauki 7:81-84. 1960.

\*EVSTIGNEEV, V. B., GAVRILOVA, V. A., and SAVKINA, I. G. Mechanism of the photosensitizing action of chlorophyll. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 151(1/6):848-850. Ref. Jan./Feb.1964. 511 P444Aeb

AN EXTENSIVE forestation- and silvicultural program in Germany. 6 p. Transl. 13861

Translation from Wiener Allgemeine Forst- und Jagd-Zeitung 51(30),1933.

EZOVIKOV, N. B. Passive immunization reduces losses from foot-and-mouth disease. 2 p. Transl. 13414

Translation from Veterinariya 8:18-19. Aug. 1963.

FABRICIUS, L. The effect of ashes from forest fires upon germination and the early development of plants. 9 p. Transl. 13761

Translation from Forstwissenschaftliches Centralblatt 73(8):269-276. 1929.

FABRICIUS, L. Seed germination of *Sorbus aucuparia* L. 5 p. Transl. 13762

Translation from Forstwissenschaftliches Centralblatt 53(12):413-418. June 15,1931.

\*FALINA, N. N., MASLOVA, R. A., and YAKIMOV, P. A. Amino acid composition of mycelium of fungus *Hydnum septentrionale* Er. Microbiology 32(2):191-194. Ref. Sept./Oct.1963. 448.3 M582Ae

\*FAL'KOVICH, M. I. New Palearctic genera of the tribe Olethreutini (Lepidoptera, Tortricidae). Ent. Rev. 41(1):110-115. Jan./Mar.1962. 421 R322Ae

\*FAL'KOVICH, M. I. Use of secondary sexual characters in the classification of Palearctic Olethreutinae (Lepidoptera, Tortricidae). Ent. Rev. 41(4):546-549. Ref. Oct./Dec.1962. 421 R322Ae

FAN, P. N. Raise hog purchasing standards in an appropriate fashion. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 53:12-16. July 29,1963. 173 J663Trc

Translation from Ta Kung Pao, June 12,1963: 2.

FANG, C. Questions related to agriculture as the foundation of the economy. Communist China Digest 102:10-27. Sept.30,1963. 280.8 C735

Translation from Ching-chi Yen-chiu, No. 5. May 17,1963.

FANITA, T. State farms—foremost sector of socialist agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 240:13-17. Apr.10,1964. 173 J663Ste

Translation from Agricultura Socialista 2(11): 1,10. Mar.12,1964.

FARRON, P. E. Forested pastures of Saigne-legier. 5 p. Transl. 13764

Translation from Journal Forestier Suisse 82(3):61-66. 1931.

\*FEDCHENKO, M. A. Group composition of humus in the soils of cut-over areas with hair-grass in the Arkhangel'sk Oblast'. Soviet Soil Sci. 1:40-48. Ref. Jan.1962. 57.8 P34Ae

\*FEDOROV, M. V., and IL'INA, T. K. Utilization of humic acid by soil Actinomycetes as a sole source of carbon and nitrogen. Microbiology 32(2):234-237. Ref. Sept./Oct.1963. 448.3 M582Ae

\*FEDOROV, N. I., and EGOROVA, S. I. The effect of growth stimulators on phosphorus and calcium uptake by woody plants. Soviet Plant Physiol. 10(2):180-182. Sept./Oct.1963. 450 F58Ae

\*FEDOROV, S. M. On the biology of *Bradyporus multituberculatus* F.-W. and *Onconotus laxmanni* Pall. (Orthoptera, Tettigonoidea) in the steppes of Ciscaucasia. Ent. Rev. 41(4): 470-475. Ref. Oct./Dec.1962. 421 R322Ae

\*FEDOROVA, L. L., SHAIDUROV, V. S., and STANKO, S. A. Effectiveness of an herbicide mixture on kale crops. Soviet Plant Physiol. 9(6):585-587. May/June 1963. 450 F58Ae

\*FEDOSEYEVA, L. I. Identification of the European fauna of the genus *Meromyza* Mg. (Diptera, Choropidae). Ent. Rev. 41(2):289-291. Apr./June 1962. 421 R322Ae

FEHER, D., FEHER, D., and SOMMER, G. Carbon nutrition of forests. p.1-15.

Transl. 13766

Translation from Flora (n.s.)121(3/4):316-333. 1927.

FEHER, D., FEHER, D., and SOMMER, G. Carbon nutrition of forests. p.16-33. Ref. Transl. 13766

Translation from Biochemische Zeitschrift 199(4/6):253-271. 1928.

FEHER, D., and BESENYEI, Z. Qualitative and quantitative investigations of the macroscopic fungal flora of forest soils in the forest region of Sopron. 5 p. Transl. 13765

Translation from Erdeszeti Kiserletek 35(3): 274-278. 1933.

FEKETE, G. Problems of the training and supply of agricultural specialists. U. S. Joint P. Res. Serv. [Transl.] Agr. Forestry & Fishing Hungary 59:22-39. Aug.19,1963. 173 J663Agf

Translation from Kozgazdasagi Szemle 10(6): 662-677. June 1963.

\*FILIMONOVA, A. B. Stratigraphic importance of spores from Middle Devonian Staro-Oskol and Mullinsk clastic strata in the Volga-Ural Province. Acad. Sci. USSR. Dok. Earth Sci. Sect. 142(1/6):66-68. Feb.1964. 511 P444Aee

FINCI, Z. The reasons for losses on the state farms. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 185:1-14. July 25,1963. 173 J663Ste

Translation from Poljoprivreda i Zadrugarstvo 10(5):3-8. May 1963.

FLEGEL, R. Water erosion in the German Democratic Republic. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 124:1-10. Feb.26,1963. 173 J663Ste

Translation from Mezinarodni Zemedelsky Casopis 6:39-43. Dec.1962.

FLENSBORG, C. E. Hedge and shelter planting. 4 p. Transl. 13768

Translation from Hedeselskabets Tidsskrift 23:333-338. Dec.10,1926.

\*FLEROV, B. K., MASLENNIKOVA, M. S., and SUROVTSEVA, A. D. Methods of testing the resistance of nonmetallic materials to fungal attack. Microbiology 32(3):469-473. Nov./Dec. 1963. 448.3 M582Ae

FLEROV, B. K. Study of the part played by fungi in the "suffocation" process of beech wood. 14 p. Ref. Transl. 13623

Translation from Moskovskoe Obshchestvo Ispytatelei Prirody. Otdel Biologicheskii. Byulleten' 3:82-93. 1962.

FOMICZ, G. Management of state forests. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 198:10-20. Sept.19,1963. 173 J663Ste

Translation from Polski Las 37(13/14):1-6. July 1/31,1963.

FOMIN, YU. V. Use of gamma-globulin for prophylaxis of infectious atrophic rhinitis in swine. 2 p. Transl. 13421

Translation from Veterinariya 8:41. Aug. 1963.



- FORGETEG, S. Contributions to the wheat-maize crop succession problem. Hungarian Agr. Rev. 12(2):16-17. 1963. 241 H89  
Translation from Nemzetközi Mezőgazdasági Szemle 6(6):35-36. 1962.
- FRACZEK, M. The new functions of the agricultural circles. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 246:18-24. Apr. 30, 1964. 173 J663Ste  
Translation from Życie Gospodarcze 14:8. Apr. 5, 1964.
- FRANCIOSI, G. F. Weighing of the amount of impregnated liquid retained in wood. 7 p. Transl. 13541  
Translation from Holzschwelle 57(39):1-11. 1962.
- FREITAG, R. Preserved egg products of varying tastes. Exotic delicacies: Pidan, incubated eggs, Balut, eggs in loam. 2 p. Transl. 13438  
Translation from Deutsche Lebensmittel-Rundschau 54(5). 1960.
- FRENKOL, I. Change in the state and structure of people employed in Polish agriculture in 1950-1960. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 130:30-49. Mar. 11, 1963. 173 J663Ste  
Translation from Gospodarka Planowa 11:9-16. Nov. 1962.
- \*FRIDLAND, V. M., and KARAYEVA, Z. S. Origin of acid salinized soils. Soviet Soil Sci. 7: 743-746. July 1962. 57.8 P34Ae
- FRITZSCHE, K. Physiological and technical questions relating to protecting forests from wind damage. 20 p. Transl. 13769  
Translation from Tharandter Forstliches Jahrbuch 84(1):1-104. 1933.
- FROBLICH, J. Pure spruce stands and their natural regeneration in optimum regions. 7 p. Transl. 13770  
Translation from Forstwissenschaftliches Centralblatt 74(3):65-74. 1930.
- FROLOR, S. S., and BYKOR, A. N. Inclusion as a method for determining degree of swelling of cellulose. 7 p. Transl. 13345  
Translation from Khimicheskii Volokna 6:22-24. 1960.
- \*FROLOVA, V. I., and KUZOVKOV, A. D. Alkaloids of *Choisya ternata* N. B. et K.; structure of choisyine. J. Gen. Chem. USSR 33(1):113-116. Jan. 1963. 385 Z6Ae
- \*FU-CHU, C. Use of anion exchanger to determine available phosphates in the soil. Soviet Soil Sci. 10:1193-1196. Oct. 1962. 57.8 P34Ae
- FU-SHENG, F. The problem of rotational felling system in China's forestry. p. 44-55. Transl. 12989  
Translation from Chung-kuo Lin-yeh 6:24-26. 1962.
- FUEGE, G. The agricultural council and agrarian statistics. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 140:1-8. Apr. 1, 1963. 173 J663Ste  
Translation from Statistische Praxis 18(1): 5-8. Jan. 1963.
- FUEGE, G. Problems of the development of agricultural statistics: East Germany. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 241:1-12. Apr. 15, 1964. 173 J663Ste  
Translation from Statistische Praxis 2:40-45. Feb. 1964.
- FUKAREK, P. The present spread of Serbian spruce (*Picea omorika*, Pancic) and some data concerning its stands. 75 p., map. Ref. (OTS 61-11205) Transl. 13343  
Translation from Biološki Institut. Godisnjak 3(1/2):141-198. 1950.
- \*GAFAROV, B. G. Current problems in the bibliography of soil science. Soviet Soil Sci. 2:190-192. Ref. Feb. 1963. 57.8 P34Ae
- GAISINSKAYA, O. M., L'VOVA, V. V., and USPENSKAYA, V. D. Electrophoretic analysis of dog serum proteins. 15 p. Ref. (OTS 63-11045) Transl. 13515  
Translation from Biokhimiya 19(3):319-331. 1954.
- GALL, H. Variety choice and planning in potato production. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 144:15-35. Apr. 16, 1963. 173 J663Ste  
Translation from Die Deutsche Landwirtschaft 3:125-129. Mar. 1963.
- GARAMVOLGYI, K. The effect of socialist reorganization on peasant incomes. Hungarian Agr. Rev. 12(2):7-11. 1963. 241 H89  
Translation from Kozgazdasági Szemle 9(9): 1031-1047. 1962.
- GARTEL, W. The "flavescence doree" or "maladie du Baco 22A." 17 p. Transl. 13215  
Translation from Weinberg und Keller 6:295-311. 1959.
- \*GASANOV, R. A., NAMEDOV, T. G., and TARUSOV, B. N. Spontaneous induction of luminescence in plants under aerobic and anaerobic conditions. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):645-647. Nov./Dec. 1963. 511 P444Aeb
- GATEV, G. The intensification of agricultural production in Bulgaria. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 200:1-39. Sept. 25, 1963.  
Translation from Ikonicheska Misul 6:52-64. June 1963.
- GAUDEL, P. The polyglycol process. A contribution to the conservation of big pieces of moist wood. 7 p. Transl. 13479  
Translation from Preparator, Zeitschrift für Museums-Technik 9(2):202-210. Apr. 1963.
- \*GAVRILENKO, V. F., and RUBIN, B. A. The influence of xylem sap on the development of the green color in leaves. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 148(1/6):257-260. Ref. July/Aug. 1963. 511 P444Aeb
- \*GAVRILOVA, A. N. Change in the phosphate level of sod podzolic sandy loams as affected by plants. Soviet Soil Sci. 12:1387-1390. Dec. 1962. 57.8 P34Ae
- \*GAVRILOVA, O. M. The effect of pollen quantity on the fertilization of *Mirabilis jalapa*. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 151(1/6): 984-985. Jan./Feb. 1964. 511 P444Aeb
- GAWLOWSKI, K. The hastening and streamlining of the seed program. II. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 155:53-68. May 6, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 4:12-15. Feb. 15/28, 1963.
- \*GAYVORONSKIY, V. G. A Casuarina from the Caucasus. Acad. Sci. USSR. Dok. Earth Sci. Sect. 142(1/6):167-169. Ref. Feb. 1964. 511 P444Aee
- \*GAYVORONSKIY, V. G. Wood specimens of some leafy trees from the Maykopian deposits in the Western Caucasus. Acad. Sci. USSR. Dok. Earth Sci. Sect. 142(1/6):171-174. Ref. Feb. 1964. 511 P444Aee
- GEDROITS, K. K. Chemical analysis of soils. 602 p. (OTS 63-11079) 56.42 G26Ke  
Translation of Khimicheskii analiz pochvy, issued as v. 2 of Izbrannye sochineniya.
- GEIGER, R., and AMANN, H. Forest meteorological measurements in an oak stand. I. 33 p. Transl. 13774  
Translation from Forstwissenschaftliches Centralblatt 75:237-250, 341-351, 705-714, 809-819. 1931.
- GEIGER, R. Forest meteorology from climate of the air layer near the soil. 34 p. Transl. 13776  
Translation from Die Wissenschaft 78:145-183. 1927.
- GEIGER, R. Microclimate and phytoclimate. 19 p. Ref. Transl. 13775  
Translation from Handbuch der Klimatologie, vol. 1. part D:D32-D36. 1930.
- GEISLER, G. Zoospore formation and germination in *Plasmopara viticola* in relationship to osmotic pressure values. 7 p. Transl. 13379  
Translation from Vitis 2:40-44. Mar. 1959.



- GENKEL, P. A., and OKNINA, M. Z. About the condition of dormancy of plants. 4 p. Transl. 13959  
Translation from Akademiya Nauk SSSR. Doklady 62(3):409-412. 1948.
- \*GENKEL, P. A., and PRONINA, N. D. Extraction of protoplasts from dormant cells of onion epidermis. Soviet Plant Physiol. 10(2): 98-103. Ref. Sept./Oct. 1963. 450 F58Ae
- GERASIMOV, G. P. Humus-carbonate soils of the Sochi District and their transition to Brown Forest Soils. 10 p. Ref. (OTS 63-11078) Transl. 13514  
Translation from Pochvennyi Institut im. V. V. Dokuchaeva. Trudy 30:253-261. 1949.
- \*GERASIMOV, I. P. New American soil classification. Soviet Soil Sci. 6:601-609. Ref. June 1962. 57.8 P34Ae
- \*GERASIMOV, I. P. Problems of Soviet soil science in the light of the new program and resolutions of the XXII Congress of the Communist Party of the Soviet Union. Soviet Soil Sci. 11:1221-1230. Nov. 1962. 57.8 P34Ae
- GERNIK, V. Powerful grams—NRV (petroleum growth stimulant). 6 p. Transl. 13500  
Translation from Nauka i Zhizn' 10:24-27. 1963.
- GETOV, L. V. The changes in the water permeability of peat-bog soils resulting from drainage. 13 p. (OTS 63-11020) Transl. 13513  
Translation from Belorusskii Nauchno-Issledovatel'skii Institut Melioratsii i Vodnogo Khozyaistva. Trudy 8:313-327. 1958.
- \*GETSOVA, A. B., and VOLKOVA, G. A. The accumulation of radioactive isotopes by certain aquatic insects. Ent. Rev. 41(1):61-70. Ref. Jan./Mar. 1962. 421 R322Ae
- GEWECHE, H. Preservation of groundline zone of wooden poles. 7 p. Transl. 13548  
Translation from Deutsche Gesellschaft für Holzforschung. Mitteilung 48:79-83. 1961.
- GIACOBINI, C. Synthetic plastics as carbon source for certain microorganisms. 10 p. Transl. 13956  
Translation from Istituto Centrale del Restauro. Bollettino 31/32:109-113. 1957.
- \*GILYAROV, M. S. The larva of *Dilar turcicus* Hag. and the position of the family Dillariidae in the suborder Planipennia. Ent. Rev. 41(2): 244-253. Ref. Apr./June 1962. 421 R322Ae
- \*GINZBURG, K. YE., SHCHEGLOVA, G. M., and VIL'FIUS, YE. V. A rapid method of digesting soils and plants. Soviet Soil Sci. 5:481-487. Ref. May 1963. 57.8 P34Ae
- GLIGIC, V. The use of colchicine method for solution of causal morphological problems. 4 p. (OTS 60-21690) Transl. 13342  
Translation from Sarajevo. Zemaljski Muzej. Novitates. Ser. I, Prirodna Nauka 1:1-4. 1945.
- GLIGIC, V. The use of colchicine method for solution of causal morphological problems. 6 p. (OTS 60-21690) Transl. 13378  
Translation from Sarajevo. Zemaljski Muzej. Prirodni Nauka. Serija I, Novitates 1:1-4. 1945.
- GLINKA, K. D. Treatise on soil science. Ed. 4, rev. 674 p., map. Ref. (OTS 61-31002) 56 G49Poce  
Translation of Pochvovedenie.
- \*GLOBUS, A. M. Mechanisms of soil and ground moisture migration and of water movement in freezing soils under the effect of thermal gradients. Soviet Soil Sci. 2:130-139. Ref. Feb. 1962. 57.8 P34Ae
- GLUSHKO, B. A. Post-vaccinal immunity against FMD in young cattle. 2 p. Transl. 13499  
Translation from Veterinariya 11:30-31. Nov. 1963.
- \*GLUSHKOV, A. P. Upper Permian in Lesser Khingan. Acad. Sci. USSR. Dok. Earth Sci. Sect. 142(1/6):61-62. Feb. 1964. 511 P444Aee
- \*GNATYUK, L. V. Some aspects of the economic-geographic situation of Odessa. Soviet Geog. Rev. & Transl. 4(9):43-52. Nov. 1963. 331.8 So8
- \*GNUTENKO, M. P., and SIZOVA, N. A. Species characteristics and antibiotic properties of streptococci isolated from watermelons. Microbiology 32(4):543-547. Ref. Jan./Feb. 1964. 448.3 M582Ae
- \*GOCHELASHVILI, Z. A. A study of the dynamics of the soil microflora of a mandarin plantation. Microbiology 31(6):850-854. May/June 1963. 448.3 M582Ae
- GOCHEV, G. Improving the procurement price system by crop quality. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 119:59-78. Feb. 12, 1963. 173 J663Ste  
Translation from Trud i Tseni 4(9):74-85. Oct. 1962.
- GOCHEV, G. Some questions concerning the correlation of purchase prices for agricultural products. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 180:1-25. July 10, 1963. 173 J663Ste  
Translation from Trud i Tseni 2:39-48. Feb./Mar. 1963.
- GODLEWSKI, M. Prospects of agricultural education. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 184:11-24. July 24, 1963. 173 J663Ste  
Translation from Nowe Drogi 17(5):33-42. May 1963.
- \*GODNEV, T. N., AKULOVICH, N. K., and KHODASEVICH, E. V. Participation of esterified and non-esterified forms of protochlorophyll of etiolated sprouts in formation of chlorophyll a. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):590-593. Ref. Nov./Dec. 1963. 511 P444Aeb
- \*GODNEV, T. N., and ROTFARB, R. M. The possibility of interconversion of carotenes and carotenols. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1209-1210. Ref. May/June 1963. 511 P444Aeb
- GOLEBIEWSKA, Z., and BOCZEK, J. The extent of damage caused by the gout fly (*Chlorops pumilionis* Bj.). p. 27-49. Ref. (OTS 60-21574) 464 P87  
Translation from Poznan. Instytut Ochrony Roslin. Prace Naukowe 1(1):107-134. 1959.
- GOLODRIGA, P. YA. Sex determination in grapes according to certain biochemical characteristics. 5 p. (OTS 63-11038) Transl. 13520  
Translation from Agrobiologiya 3(123):402-405. 1960.
- GOLOVA, O. P., EPSTEIN, YA. E., and DOBRYNINA, L. I. The effect of inorganic components on the cleavage of C-C bonds during thermal degradation of cellulose. 6 p. Transl. 13621  
Translation from Vysokomolekulyarnye Soedineniya 3(4). 1961.
- \*GOLOVIN, V. V. Description of the temperature regime of soils in the Amur Region. Soviet Soil Sci. 2:213-217. Ref. Feb. 1962. 57.8 P34Ae
- \*GOLOVKIN, B. N. Making a selection of plants for the cultivation of greenery in the Soviet Arctic. Prob. North 6:227-230. 1962. 475 P944Ae
- GOMBODOO, S. Present goals of the mechanized livestock breeding stations. U. S. Joint P. Res. Serv. Transl. Mongolia 45:11-15. Jan. 31, 1964. 173 J663Tmo  
Translation from Ediyin Dzasag 5:20-24. 1963.
- GOMOT, L. Contribution to the study of the embryonic development of the uropygial gland in the duck. 94 p. Transl. 14048  
Translation from Archives d'Anatomie Microscopique et de Morphologie Experimentale 48(1):63-141. 1959.
- \*GONCHARIK, M. N., and SHLYK, A. A. On the 70th anniversary of the birthday of Tikhon Nikolaevich Godnev. Soviet Plant Physiol. 10(4): 420-422. Jan./Feb. 1964. 450 F58Ae

- GONCHAROV, P. I., LESNYKH, V. I., and GRIGOR'EVA, V. S. Chemical color reaction for diagnosis of hog cholera. 2 p. Transl. 13355  
Translation from Veterinariya 2:73-74. Feb. 1963.
- GONZALEZ, A. G., and DIAZ RODRIGUEZ, F. Alkaloids in plants of the Canary Islands. VII. *Nicotiana glauca* and *Nicotiana paniculata*. 14 p. Transl. 13380  
Translation from Sociedad Espanola de Fisica y Quimica. Anales. Series B: Quimica 58:431-436. 1962.
- GOOR, C. P. VAN, and JAGER, K. The control of grasses in forest plantations with simazine and atrazine. 7 p. Transl. 13303  
Translation from Nederlands Bosbouw Tijdschrift 34(1):34-40. 1962.
- GORDON, M. The peat bed, a method of simplifying and improving pot cultures. 2 p. Transl. 12961  
Translation from Deutsche Gartenbau 2(9): 239-240. 1955.
- \*GORODKOV, K. B. Revision of the Palearctic species of the genus *Leria* R.-D (Diptera, Helomyzidae). Ent. Rev. 41(3):398-416. Ref. July/Sept. 1962. 421 R322Ae
- \*GORSHENIN, K. P. Basic principles in the classification of Siberian soil. Soviet Soil Sci. 1:15-19. Jan. 1963. 57.8 P34Ae
- \*GORSHENIN, K. P. From the first to the second Delegates' Congress of Soil Scientists. Soviet Soil Sci. 1:3-4. Jan. 1963. 57.8 P34Ae
- GORSHENIN, N. M., and others. Improvement of farmland in the irrigated region of the Zavolzh'e (east of the Volga). 84 p. Transl. 13777  
Y. D. Panfiloff, N. T. Godunoff, A. S. Barabanshtikoff, and P. I. Kolomeitseff, joint authors.  
Partial translation from Vsesoyuznyi Nauchno-Issledovatel'skii Lessokul'turnyi i Agrollessomelioratsionnyi Institut. Opyty i Issledovaniya 4:5-143. 1934.
- \*GORYACHEV, P. P. The effect of gibberellin on the cells and coenobia of *Pediastrum boryanum* (Turp.) Menegh. Microbiology 32(2):254-255. Sept./Oct. 1963. 448.3 M582Ae
- \*GORYAEV, M. I., and YURINA, R. A. Investigation of the terpene fraction of the ester oil of the three-leaf licorice. J. Appl. Chem. USSR 36(5):1057-1060. Ref. May 1963. 385 Z64Ae
- \*GORYAEV, M. I., BAZALITSKAYA, V. S., and LISHTVANNOVA, L. N. Investigation of the terpene portion of the essential oil from *Artemisia absinthium*. J. Appl. Chem. USSR 36(12):2684-2687. Ref. Dec. 1962. 385 Z64Ae
- \*GORYAEV, M. I., and others. Natural  $\beta$ -cedrene. Acad. Sci. USSR. Proc. Chem. Sect. 146(1/6):920-921. Sept./Oct. 1962. 511 P444Aec  
G. A. Tolstikov, L. A. Ignatova, and A. D. Dembitskii, joint authors.
- \*GORYAEV, M. I., and SHARIPOVA, F. S. The study of substances in ethereal oils. I. Oxidation of alloaromadendrene by perbenzoic acid and its bromination. J. Gen. Chem. USSR 33(1):293-295. Ref. Jan. 1963. 385 Z6Ae
- \*GORYUNOVA, S. V., and others. Role of synchronous cultures in studies of the biology of *Chlorella* and their practical significance. Microbiology 31(6):896-906. Ref. May/June 1963. 448.3 M582Ae  
G. N. Rzhanova, M. N. Ovsyannikova, V. K. Orleanskii, and V. V. Kabanov, joint authors.
- GOTTFRIED, J., BULENA, V., and JAGER, L. Use of urea with concentrated feed; Czechoslovakia. U. S. Joint P. Res. Serv. Transl. East European Forestry & Food Indus. 209:43-49. Nov. 12, 1963. 173 J663Ste  
Translation from Agrochimie 8:141-142. 1963.
- GRABER, E. The Ire and its Basin. 6 p. Transl. 13737  
Translation from Revue des Eaux et Forets. 7 Series 70:203-209. [n.d.]
- \*GRADUSOV, B. P., and TARGUL'YAN, V. O. Minerals of the clay separates in soils developed on the igneous rocks of Eastern Sayan. Soviet Soil Sci. 11:1237-1245. Nov. 1962. 57.8 P34Ae
- GRAU, R., HAMM, R., and BAUMANN, A. The effect of calcium ions on water binding of disintegrated muscle of mammals. 3 p. Transl. 13490  
Translation from Naturwissenschaften 40(20): 535-536. 1953.
- GRAU, R., and HAMM, R. On the evaluation of water-binding in meat by means of the pressing method. 14 p. Ref. Transl. 13488  
Translation from Fleischwirtschaft 12:733-736. 1956.
- GRAU, R., and HAMM, R. A simple method for the determination of the binding of water in muscle. 4 p. Transl. 13489  
Translation from Naturwissenschaften 40(1): 29-30. 1953.
- GREBENNIKOV, E. P., SOROKA, V. R., and SABADASH, E. V. Trace elements in human and animal milk. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 23(3,pt.2):T461. May/June 1964. 442.9 F31P
- GREINER, G. The reasons for long-term contracts in agriculture; East Germany. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 208:11-14. Nov. 8, 1963. 173 J663Ste  
Translation from Vertragssystem 7:206-207. July 1963.
- GRENIUK, W. Modernization of farm machinery. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 194:1-9. Sept. 5, 1963. 173 J663Ste  
Translation from Mechanizacja Rolnictwa 10: 10-11. May 16/31, 1963.
- GREYERZ, H. V. Ten years of management method in the territory of Berne. 9 p. Transl. 13778  
Translation from Schweizerische Zeitschrift fur Forstwesen 86:341-352. 1935.
- GRIGOR'EV, P. M. The effect of night feeding on egg production in hens. 3 p. (OTS 63-11047) Transl. 13687  
Translation from Sel'skoe Khozyaistvo Povolzh'ya 3(8):64-65. 1958.
- GRIGOROV, S. Prospects of development in the water economy. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 119:79-87. Feb. 12, 1963. 173 J663Ste  
Translation from Gidrotekhnika i Melioratsiya 7(10):289-291. 1962.
- \*GRIGOR'YEVA, T. G. Cultivated crops and the tasks of agricultural entomology. Ent. Rev. 41(3):301-303. Ref. July/Sept. 1962. 421 R322Ae
- \*GRINEVA, G. M. Alcohol formation and excretion by plant roots under anaerobic conditions. Soviet Plant Physiol. 10(4):361-369. Ref. Jan./Feb. 1964. 450 F58Ae
- \*GRINFEL'D, E. K. Origin and development of the apparatus for pollen collection in bees (Hymenoptera, Apoidea). Ent. Rev. 41(1):37-42. Jan./Mar. 1962. 421 R322Ae
- GRIN'KO, T. F., and PERETYAT'KO, V. G. Line breeding with heterosis in sugar beet selection. 8 p. Transl. 13822  
Translation from Vestnik Sel'skokhozyaistvennoi Nauki 7(8):43-49. Aug. 1962.
- GRIN'KO, T. F. Using heterosis in [sugar beet] production. 5 p. Transl. 13422  
Translation from Sakharnaya Svekla 12:22-24. 1962.
- \*GRISHINA, G. S., and VOSKRESENSKAYA, N. P. The dependence on light of the oxygen absorption of chloroplasts (Mehler reaction). Acad. Sci. USSR. Dok. Biol. Sci. Sect. 151(1/6): 1069-1072. Ref. Jan./Feb. 1964. 511 P444Aeb
- GRITSENKO, I. F. Introduction of exotics in shelterbelts at Kamennaya Steppe. 6 p. Transl. 13779  
Translation from Na Lesokulturnom fronte 7/8:19-23. 1932.



- \*GRIVANOV, K. P. Control of corn scarabs of the genus *Anisoplia* (Coleoptera, Scarabaeidae) under conditions of intertilling as in the Povol'zhe. Ent. Rev. 41(2):155-161, map. Apr./June 1962. 421 R322Ae
- GROBLEWSKA, S. Attempt at evaluation of the breeding value of bulls on the basis of the blood leukocyte pattern. I. p. 1-14. Ref. (OTS 60-21571) Transl. 13219  
Translation from Roczniki Nauk Rolniczych. Ser. B. 67(4):473-486. 1954.
- GROBLEWSKA, S. Evaluation of the breeding value of bulls on the basis of the blood leukocyte pattern. II. p. 15-28. Ref. (OTS 60-21571) Transl. 13219  
Translation from Roczniki Nauk Rolniczych. Ser. B. 75(3):283-299. 1960.
- GROCHOWSKI, J. The research method concerning the influence of thinnings and clearings upon the development and growth of trees and stands. 5 p. Transl. 13780  
Translation from International Congress of Forest Experimental Stations, Stockholm, 1929. Proceedings p.243-247.
- GROMEYER, E. The Sample Statute for Amelioration Cooperatives—an important component of the socialist agrarian codex. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 155:1-13. May 6, 1963. 173 J663Ste  
Translation from Wasserwirtschaft-Wasser-technik 1:3-5. Feb. 1963.
- GROSSE, H. Feed corn culture in 1962 and conclusions for 1963. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 144:65-78. Apr. 16, 1963. 173 J663Ste  
Translation from Die Deutsche Landwirtschaft 3:138-140. Mar. 1963.
- GROSSFELD, J. Determination of free and bound fat in food especially in dried egg yolk. 24 p. Transl. 13491  
Translation from Zeitschrift für Untersuchung der Lebensmittel 83:322-334. 1962.
- GRUBIC, K. The Dalmatian forests, their development, their decline, and their restoration. 23 p. Transl. 13782  
Translation from Le Karst Yougoslave, p. 118-136. 1928.
- GRUSHETSKIY, L. Method of calculating comparable prices for farm produce. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 16:57-66. Aug. 27, 1963. 173 J663Tso  
Translation from Planovoe Khozyaistvo 6: 64-70. June 1963.
- GRYSIAK, J. Agricultural circles after three years of the agricultural development fund. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 179:59-73. July 8, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 9:6-8. May 1/15, 1963.
- GRYSIAK, J. Concentration of equipment in the agricultural circles: Poland. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 230:1-8. Feb. 29, 1964. 173 J663Ste  
Translation from Nowe Rolnictwo 1:10-13. Jan. 1964.
- \*GRZESIUK, S., MIERZWINSKA, T., and SOJKA, E. On the physiology and biochemistry of seed development in broad bean. Soviet Plant Physiol. 9(6):544-552. Ref. May/June 1963. 450 F58Ae
- \*GUBANOV, G. YA. The conversion of phenolic substances in wilt-infected cotton. Soviet Plant Physiol. 9(5):489-492. Ref. Mar./Apr. 1963. 450 F58Ae
- GUILBOT, A. Examinations of sterolesters in cereal and their significance for the discrimination between durum and common wheat. 16 p. Ref. Transl. 13955  
Translation from Getreide und Mehl 11(5): 49-53. May 1961.
- GUILBOT, A. Exsiccation of food articles by means of sublimation of ice during the frozen state (cry-exsiccation): present day possibilities and limits of application. 4 p. Transl. 13892  
Translation from Prumysl Potravin 10(6):300-301. 1959.
- \*GUKOVA, M. M., and BOGOMOLOVA, R. I. The effect of nutrition on the growth and storage of nitrogen by broad beans in a mixed crop with corn. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 149(1/6):516-518. Sept./Oct. 1963. 511 P444Aeb
- GULISASHVILI, B. G., and NODARAYA, V. L. Transport of wood chips by water in pipeline. Woodlands Res. Index 150:A1-A5. May 1964. 99.8 W855A  
Translation from Lesnaya Promyshlennost' 12:9-10. Dec. 1963.
- \*GUMILEVSKAYA, N. A., and SISAQYAN, N. M. Comparative study of the nucleotide composition of microsomal and soluble RNA of insects. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 149(1/6): 277-280. Ref. Sept./Oct. 1963. 511 P444Aeb
- \*GUMILEVSKAYA, N. A., and SISAQYAN, N. M. Difficulties encountered in determining the nucleotide composition of total RNA of insects. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 149(1/6): 291-293. Sept./Oct. 1963. 511 P444Aeb
- \*GUNAR, I. I., and SINYUKHIN, A. M. Functional significance of action currents affecting the gas exchange of higher plants. Soviet Plant Physiol. 10(3):219-226. Nov./Dec. 1963. 450 F58Ae
- \*GUPALO, P. I., and ROMANCHUK, P. S. Specific role of roots in growth of aerial part of plants. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1441-1442. Ref. May/June 1963. 511 P444Aeb
- GUREVICH, G. P. Soil fertilization with coastal iodine sources as a prophylactic measure against endemic goiter. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 23(3, pt. 2):T511-T514. Ref. May/June 1964. 442.9 F31P
- GURZEVICH, A. V. New spp. of the genus *Culicoides* (Diptera, Heleidae) from the southern regions of the USSR. 6 p. Transl. 13976  
Translation from Entomologicheskoe Obozrenie 38(3):675-681. 1959.
- \*GUSENKOV, E. P., and PANKOVA, E. I. Soils of the north Mongolian river valleys with special reference to the Boro-Gol River valley. Soviet Soil Sci. 8:835-841. Aug. 1962. 57.8 P34Ae
- \*GUSEV, M. V. The influence of dissolved oxygen on the development of blue-green algae. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6): 1358-1360. May/June 1963. 511 P444Aeb
- \*GUTSEVICH, A. V., and others. Bloodsucking mosquitoes (Diptera, Culicidae) of the Chernovtsy region. Ent. Rev. 41(2):216-218. Ref. Apr./June 1962. 421 R322Ae  
Z. S. Donets, G. G. Yezhova, and A. M. Popov, joint authors.
- \*GUTSEVICH, A. V. A new species of the genus *Aedes* (Diptera, Culicidae) from Kazakhstan. Ent. Rev. 41(4):550-551. Oct./Dec. 1962. 421 R322Ae
- HACKMANN, G. The present status of humus research. 9 p. Transl. 13783  
Translation from Forstarchiv 5:321-326. 1929.
- HAENDSCHKE, A. Perspectives for sugar beet cultivating machinery. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 250:9-16. May 11, 1964. 173 J663Ste  
Translation from Mechanizacja Rolnictwa 12(5):7-8, 23. Mar. 1/15, 1964.
- HAGINIWA, J., and others. Pharmacological studies on crude drugs. VI. Properties of essential oil components of Lauraceae plants, their separation by gaschromatography and pharmacological effects on the circulatory system. 15 p. Transl. 13314  
M. Harada, M. Nakajima, and K. Sakai, joint authors.  
Translation from Chiba University. Pharmaceutical Institute; name of publication not given.
- HAMM, R. Meat salting. II. Salting of aged meat and its importance for the water-binding capacity. 16 p. Ref. Transl. 13620  
Translation from Fleischwirtschaft 10:700-701; 11:773-775. 1958.

- HAMN, R. The effect of adenosine triphosphoric acid on hydration and rigidity of post-mortem beef muscle. 17 p. Ref. Transl. 13439  
Translation from Biochemische Zeitschrift 328(3):309-322. 1956.
- HAN, P. Problems of the planned management of agricultural funds. U. S. Joint P. Res. Serv. Transl. Communist China's Trade Finance, Transportation & Commun. 65:5-12. Oct. 18, 1963. 173 J663Tcc  
Translation from Ta Kung Pao, Aug. 28, 1963: 3.
- HAN, T. Y. Let us improve and strengthen procurement. U. S. Joint Publications Res. Serv. Econ. Rep. N. Korea 110:1-6. Jan. 31, 1964. 173 J663Er  
Translation from Nodong Sinmun 343:2. Dec. 9, 1963.
- HANDBERG, A. Shelterplanting. 2 p. Transl. 13784  
Translation from Hedeselskabets Tidsskrift 3:46-47. Feb. 10, 1927.
- HARPAZ, I. Dwarf diseases of maize. 4 p. Transl. 13330  
Translation from Hossaded Tel Aviv 39:607-608. 1959.
- HARTMANN, F. K. The silvicultural value of ground water. I. 50 p. Ref. Transl. 13785  
Translation from Mitteilungen aus Forstwirtschaft und Forstwissenschaft 1(4):385-437. 1930.
- HASBADZAR, S. High-quality seeds are the basis of good harvest. U. S. Joint P. Res. Serv. Transl. Mongolia 43:75-82. Dec. 31, 1963. 173 J663Tmo  
Translation from Namyn Am'dral 9:92-95. 1963.
- HASSENKAMP, The influence of site and management upon the formation of raw humus in the chief forest district of Erdmannshausen (Neubrunnshausen). 36 p. Ref. Transl. 13786  
Translation from Zeitschrift für Forst- und Jagdwesen 60:3-35. 1928.
- HAUEISE, L. The regulation of carso torrents. 8 p. Transl. 13789  
Translation from Le Karst Yougoslave, 1928:100-107.
- HAVELKA, J. Goals of Czechoslovak agriculture after the twelfth congress of the KSC. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 215:1-11. Dec. 17, 1963. 173 J663Ste  
Translation from Mezinarodni Zemedelsky Casopis 7(4):3-6. 1963.
- HAYASHI, A. Studies on the chemical combination between lignin and carbohydrate. X. On the existence of phenol- $\beta$ -glycoside bond. 8 p. Transl. 13381  
Translation from Agricultural Chemical Society of Japan. Journal 35:83-86. 1961.
- HAYASHI, A. Study on the chemical combination between lignin and carbohydrate. 9. On the action of bonded substance on chromatograms. 8 p. Ref. Transl. 13220  
Translation from Agricultural Chemical Society of Japan. Journal 35:80-83. 1961.
- HEGEDUS, A. Sociological investigation of the changes in rural working conditions. U. S. Joint P. Res. Serv. [Transl.] Agr. Forestry & Fishing Hungary 60:16-30. Oct. 7, 1963. 173 J663Agf  
Translation from Kozgazdasagi Szemle 10(6): 678-692. June 1963.
- HEINIG, A. Considerations on the present situation of hoof-and-mouth disease in the Germany Democratic Republic. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 172:71-79. June 14, 1963. 173 J663Ste  
Translation from Monatshefte für Veterinarmedizin 18(8). Apr. 15, 1963.
- HEINRICH, H. J., and KAESCHE-KRISCHER, B. Contribution to the explanation of the spontaneous combustion of wood. 12 p. Transl. 13331  
Translation from Brennstoff-Chemie 43(5): 142-148. 1962.
- HENNE, A. Our first public shed for drying forest seed. 6 p. Transl. 13787  
Translation from Journal Forestier Suisse 82(5):108-114. 1931.
- HESMER, H. Age and origin of humus layers in the forest district of Erdmannshausen. 20 p. Transl. 13791  
Translation from Forstarchiv 9(20):323-339. 1933.
- HESS, E. Production of plants from indigenous seeds. 8 p. Transl. 13793  
Translation from Journal Forestier Suisse 82(7):154-160; (8/9):186-191. 1931.
- HESS, E. Races of pine and snow break. 5 p. Transl. 13792  
Translation from Journal Forestiere Suisse 84(2):269-277. 1933.
- HEURSEL, J., and DE BAETS, A. A study of the growth of tobacco leaves. 17 p. Transl. 13618  
Translation from Ghent. Landbouwhogeschool. Mededelingen 27:1559-1571. 1962.
- HEYMANN, W. Does the cultivation of summer grain mixtures present any advantages? U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 144:50-64. Apr. 16, 1963. 173 J663Ste  
Translation from Die Deutsche Landwirtschaft 3:135-138. Mar. 1963.
- HILDEN, N. A. Summary of observations on the forest management of some private estates. 3 p. Transl. 13806  
Translation from Acta Forestalia Fennica 40:783-816. 1934.
- HILF, H. H., and STREHLKE, E. G. In the land of green gold. 17 p. Transl. 13797  
Translation from Forstarchiv 8(12):205-215. 1932.
- HILITZER, A. Finnish forest types. 4 p. Transl. 13799  
Translation from Ceskoslovenska Akademie Zemedelska. Sbornik 9(4):228-290. 1934.
- HILITZER, A. Pinus cembra in sub-Carpathian Russia. 2 p. Transl. 13798  
Translation from Ceskoslovenska Akademie Zemedelska. Vestnik 8:369. [n.d.]
- HLIBOWICKI, R. Displacement of soil and the shape of cultivated fields. 17 p., map. Ref. (OTS 60-21539) Transl. 13256  
Translation from Roczniki Nauk Rolniczych. Ser. F, 71(1):90-109. 1955.
- HO, Y. H. Fir resources in south China. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 54:1-7. Aug. 1, 1963. 173 J663Trc  
Translation from Ta Kung Pao, June 28, 1963: 3.
- HOEVE, J. A. Chemistry of cellulose with retention of the fiber structure. 12 p. Ref. Transl. 13066  
Translation from Chemische Weekblad 57: 577-580. 1961.
- HONG, C. Some problems of consolidation and improvement of village administration. U. S. Joint P. Res. Serv. Trans. Hoc Tap (Studies). No. Vietnam 10:14-21. Dec. 20, 1963. 173 J663Th  
Translation from Hoc Tap 10. Oct. 1963.
- HOOPEN, H. J. G. TEN. Volatile carbonyl compounds in honey. 9 p. Ref. Transl. 13450  
Translation from Zeitschrift für Lebensmittel Untersuchungen und Forschungen 119(6):478-482. 1963.
- HORVATIC, S. Flora and vegetation of the carso. 23 p. Transl. 13800  
Translation from Le Karst Yougoslave, p. 44-65. 1928.
- HSI-LIN, K., KAI-HSIN, J., and CHIH-HSIEN, W. The use of "Su-yun" Bacillariaceae to combat caterpillars. p. 38-43. Transl. 12989  
Translation from Chung-kuo Lin-yeh 6:22-23. 1962.
- HSIA, C. C. Strengthening the study of agro-technical economics. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 39:9-12. Apr. 17, 1963. 173 J663Trc  
Translation from Kuang-ming Jih-pao, Feb. 25, 1963:4.



- HSIA, C. F., and others. The Manas River irrigation system of Sinkiang. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 87:1-13. Feb. 10, 1964. 173 J663Trc  
S. P. Li, K. C. Lung, Y. Chu, and C. F. Huang, joint authors.  
Translation from Jen-min Jih-pao, Jan. 4, 1964:6.
- HSIANG, C. C. The stimulating function of price on agricultural and industrial production. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 39:1-8. Apr. 17, 1963. 173 J663Trc  
Translation from Kuan-min Jih-pao, Feb. 25, 1963:4.
- HSIANG, T. An inquiry into the problem of agricultural mechanization of our country. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 57:14-20. Aug. 27, 1963. 173 J663Trc  
Translation from Jen-min Jih-pao, July 2, 1963:5.
- HSIANG, Y. W. Concerning problems on oil-bearing woody plants. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 56:1-10. Aug. 7, 1963. 173 J663Trc  
Translation from Jen-min Jih-pao, June 25, 1963:5.
- HSING, J. Making our meteorological work serve agricultural production. U. S. Joint P. Res. Serv. Transl. Chin. Farmers B. 1/2:12-16. Dec. 10, 1962. 173 J663Tfc  
Translation from Chung-kuo Nung-pao 1:13-15. 1962.
- HSU, C. M. Discussing technical problems of winter and spring wheat field fertilization. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 32:20-22. Mar. 13, 1963. 173 J663Trc  
Translation from Jen-min Jih-pao, Jan. 8, 1963:5.
- HSUEH, C. H. A preliminary discussion on the relationship between the socialist growth of city population and the industrial and agricultural output development. U. S. Joint P. Res. Serv. Transl. Communist China's Trade, Finance, Transportation & Commun. 74:50-61. Dec. 12, 1963. 173 J663Tcc
- HSUEH, M. C. Some problems on commodity prices in a socialist society. Communist China 102:27-33. Sept. 30, 1963. 280.8 C735  
Translation from Ching-chi Yen-chiu, No. 5. May 17, 1963.
- HSUEH, N. Problems of increasing production per unit area and expansion of land area under cultivation. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 76:92-96. Dec. 12, 1963. 173 J663Trc  
Translation from Ta Kung Pao, Nov. 4, 1963:3.
- HU, C. L. Several problems on raising the unit-area output of cotton. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 86:1-16. Feb. 7, 1964. 173 J663Trc  
Translation from Jen-min Jih-pao, Jan. 7, 1964:5.
- HU, F. C. On the functions of the circulation of means of production. U. S. Joint P. Res. Serv. Transl. Communist China's Trade, Finance, Transportation & Commun. 70:1-19. Nov. 13, 1963. 173 J663Tcc  
Translation from Kaung-ming Jih-pao, Sept. 30, 1963:4.
- HU, L. C. Make a success of rural finance, effectively support the collective economy. Communist China Digest 102:83-94. Sept. 30, 1963. 280.8 C735  
Translation from Jen-min Jih-pao, July 11, 1963.
- HU, P. F. Survey on the rotation of rice and cotton in T'Z'u-hsi Hsien. Communist China Digest 113:109-121. Feb. 6, 1964. 280.8 C735  
Translation from Chung-kuo Nung-pao 1. Jan. 10, 1963.
- HU-PAO, Y. High output can be obtained from upland cotton planting in Kuan-chung. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 27:7-11. Feb. 6, 1963. 173 J663Trc  
Translation from Jen-min Jih-pao, Nov. 26, 1962:2.
- HUANG, C. Hog-producing areas in Kwantung reduce transportation expenditures. U. S. Joint P. Res. Serv. Transl. Communist China's Trade, Finance, Transportation & Commun. 63:16-17. Oct. 10, 1963. 173 J663Tcc  
Translation from Ta Kung Pao, Aug. 23, 1963:2.
- HUANG, S. M. Full utilization of logging trail transporters. U. S. Joint P. Res. Serv. Transl. Communist China's Trade, Finance, Transportation & Commun. 79:3. Jan. 7, 1964. 173 J663Tcc  
Translation from Jen-min Jih-pao, Nov. 22, 1963:2.
- HULISASHVILI, V. Z. Changes in the main physical properties of Brown Forest soils after felling. 14 p. Ref. Transl. 13708  
Translation from Pochvovedenie 9:539-549. 1945.
- HULOT, H., and LEBEL, P. Analysis of elastomers by gas chromatography. Rubber Chem. & Technol. 37(1):297-309. Jan./Mar. 1964. 78.8 R822  
Translation from Revue Generale du Caoutchou 40(6):969-978. 1963.
- HUMG, M. How to increase spring rice production; North Vietnam. U. S. Joint P. Res. Serv. Trans. No. Vietnam's Econ. 96:4-6. Apr. 15, 1964. 173 J663Trn  
Translation from Nhan Dan 3594:2. Jan. 1964.
- HUNGARY. KOZPONTI STATISZTIKAI HIVATAL. Hungarian statistical yearbook 1961. 342 p. 266.5 St2Se  
Translation of Statisztikai evkonyv.
- HUSEK, R., and RYDL, D. Trade and consumption in kind. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 125:1-7. Feb. 27, 1963. 173 J663Ste  
Translation from Hospodarske Noviny 46:6 Nov. 16, 1962.
- HUWE, R. Problems in the development of type III LPGa. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 128:18-26. Mar. 7, 1963. 173 J663Ste  
Translation from Die Deutsche Landwirtschaft 14(1):18-19. Jan. 1963.
- \*IGNATENKO, I. V. Arctic tundra soils of the Yugor Peninsula. Soviet Soil Sci. 5:429-440. Ref. May 1964. 57.8 P34Ae
- IGNATOVSKIY, F. Certain economic problems in improving lagging kolkhozes. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 20:1-14. Dec. 30, 1963. 173 J663Tso  
Translation from Voprosy Ekonomiki 10:17-26. 1963.
- IJJASZ, E. The meteorological factors of soil-lifting by frost and the part that frost lines play in such damage. 2 p. Transl. 13801  
Translation from Erdeszeti Kiserletek 35(3):318-319. 1933.
- ILCZUK, T. Financial results of the economic activity of agricultural circles. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 179:44-58. July 8, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 9:3-6. May 1/15, 1963.
- \*IL'IN, G. S. Nicotine biosynthesis in tobacco. Soviet Plant Physiol. 10(1):62-64. Ref. July/Aug. 1963. 450 F58Ae
- \*THE IMMEDIATE tasks of plant physiology in the light of the decision of the Central Committee of the C. P. S. U. and the Soviet government on measures for the further development of biological science and strengthening its relationship to practical problems. Soviet Plant Physiol. 10(2):95-97. Sept./Oct. 1963. 450 F58Ae

- IMPROVING planning. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 17:55-64. Oct. 7, 1963. 173 J663Tso  
Translation from Ekonomicheskaya Gazeta 30:34-35. July 27, 1963.
- \*IMSHENETSKII, A. A., and UL'YANOVA, O. M. The action of products of the life activity of *Fusarium* mutants on higher plants. Microbiology 31(6):834-841. May/June 1963. 448,3 M582Ae
- \*IMSHENETSKII, A. A., SOLNTSEVA, L. I., and KURANOVA, N. F. The effect of external factors on *Aspergillus niger* mutants. Microbiology 32(4):527-531. Jan./Feb. 1964. 448,3 M582Ae
- \*IMSHENETSKII, A. A. Enzymes in industry. Microbiology 31(6):912-913. May/June 1963. 448,3 M582Ae
- IONESCU, N. Achievements of agriculture in 1963 and tasks for 1964: Rumania. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 235:38-45. Mar. 23, 1964. 173 J663Ste  
Translation from Probleme Agricole 1:4-9. Jan. 1964.
- IPATENKO, N. G. An experiment in FMD (foot-and-mouth disease) eradication in the central regions. 3 p. Transl. 13413  
Translation from Veterinariya 8:16-17. Aug. 1963.
- IPATENKO, N. G. Veterinary-sanitary measures in the case of loose housing of animals. 8 p. Transl. 13356  
Translation from Veterinariya 12:47-52. Dec. 1962.
- \*IVAN Vladimirovich Tyurin. Soviet Soil Sci. 9:893-894. Sept. 1962. 57.8 P34Ae
- IVANESCU, D. Activities of forestry-research institute. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 139:109-113. Apr. 1, 1963. 173 J663Ste  
Translation from Muncitorul Forestier, Feb. 21, 1963. p. 1,3.
- IVANITSKY, B. The deforestation of Ukraine. 8 p. Transl. 13802  
Translation from Zeitschrift fur Forst- und Jagdwesen 60:372-379. 1928.
- \*IVANOV, D. N. Problems in flame photometric analysis. Soviet Soil Sci. 4:398-406. Ref. Apr. 1962. 57.8 P34Ae
- IVANOV, M. YU. Elongation and longitudinal shrinkage of timber during swelling. 14 p. Ref. Transl. 13617  
Translation from Akademiya Nauk SSSR. Institut Lesa. Trudy 51:107-119. 1962.
- IVANOV, N. A. Window frames and door leaves made of wood shavings. 11 p. Transl. 13328  
No source of translation given.
- IVANOV, V. K. Meteorological observations taken in the Suburban Forest of the Siberian Institute for Agriculture and Forestry in 1925. 15 p. Transl. 13803  
Translation from Siberian Institute of Agriculture and Forestry. Forestry Section. Report 7(1/3):93-105. 1927.
- \*IVANOV, V. P., YAKOBSON, G. A., and FOMENKO, B. S. Interaction of maize and bean shoots. Soviet Plant Physiol. 10(4):375-383. Ref. Jan./Feb. 1964. 450 F58Ae
- \*IVANOV, V. P. The questionable autointoxication of plants by root excretions. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 149(1/6):538-541. Ref. Sept./Oct. 1963. 511 P444Aeb
- IVANOVA, E. N. Principles of soil systematics in the USSR. 13 p. (OTS 63-11081) Transl. 13512  
Translation from Zeszyty Problemowe Postepow Nauk Rolniczych 16:139-152. 1959.
- IVANOVA, L. G., SERGEEVA, T. I., and PLOSKIREV, N. V. Dry AKZH (autolysate of sprat, gelatin) medium for the diagnosis of food poisonings caused by *Clostridium botulinum* and *perfringens*. 4 p. Transl. 13913  
Translation from Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii 40(11):111-114. Nov. 1963.
- \*IVANOVA, T. M., and RUBIN, B. A. Oxidation of nicotinamide-adenine dinucleotide by peroxidase. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):575-577. Nov./Dec. 1963. 511 P444Aeb
- \*IVANOVA, YE. N. Tentative classification of desert and semidesert Solonchets and Solods. Soviet Soil Sci. 4:323-328. Ref. Apr. 1963. 57.8 P34Ae
- \*IVANOVA, YE. N. Tentative classification of steppe Solonchets. Soviet Soil Sci. 3:214-222. Ref. Mar. 1963. 57.8 P34Ae
- IVANOVIC, D. Measures for preserving livestock. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 130:50-55. Mar. 11, 1963. 173 J663Ste  
Translation from Poljoprivreda 10(9/12):9-10. 1962.
- IVANOVIC, M. Analysis of 1962 operations in agricultural organizations. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 219:11-19. Jan. 20, 1964. 173 J663Ste  
Translation from Glasnik Poljoprivrednih i Zadruznih Organizacija 3(10):11-18. Oct. 1963.
- IVANOVIC, M. Production and consumption of cereals in Yugoslavia. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 131:83-106. Mar. 19, 1963. 173 J663Ste  
Translation from Nova Trgovina 12:466-470. Dec. 1962.
- \*IVANOVSKII, A. I. Practical scientific recommendations for the growing of agricultural crops in the Far North. Prob. North 6:165-170. 1962. 475 P944Ae
- IVANOVSKII, E. V., and NAZAROV, V. P. Virus vaccine against African horse sickness. 4 p. Transl. 13412  
Translation from Veterinariya 10:70-72. Oct. 1963.
- IVITSKII, A. I. Investigation of swamp-draining norms. 19 p. Ref. (OTS 63-11018) Transl. 13511  
Translation from Akademiya Nauk Belorusskoi SSR. Institut Melioratsii, Vodnogo i Bolotnogo Khozyaistva. Trudy 8:35-54. 1958.
- IWANOWSKI, K. Forestation in 1962. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 178:24-29. July 3, 1963. 173 J663Ste  
Translation from Las Polski 11:2 of cover. Apr. 1/15, 1963.
- \*IYGISTE, A. K. The penetration of toxoplasms into eggs in infected chickens. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 148(1/6):159-160. July/Aug. 1963. 511 P444Aeb
- JACCARD, P. The mechanical and physiological effect of the wind on the form of the tree trunks. 12 p. Transl. 13804  
Translation of special reprint from Schweizerische Zeitschrift fur Forstwesen, 1930.
- JACCARD, P. New research on the causes of diameter growth of the trees. 39 p. Transl. 13805  
Translation from Naturwissenschaftliche Zeitschrift fur Forst- und Landwirtschaft 13(8-9):321-360. 1915.
- JACEK, J. Development of the electrification of agriculture and some statistical problems. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 201:22-47. Sept. 27, 1963. 173 J663Ste  
Translation from Wiadomosci Statystyczne 3:10-15. May-June 1963.
- JADAMBA, S., and MEL'NIKOV, V. F. Methods outlined for calculating the cost of products of agricultural artels. U. S. Joint P. Res. Serv. Transl. Mongolia 41:44-54. Nov. 13, 1963. 173 J663Tmo  
Translation from Ediyin Dzasag Erhiyn Asuudal 4:59-64. 1963.
- JAGBARAL, N. The need to implement labor organization and the new wage system at agriculture artels. U. S. Joint P. Res. Serv. Transl. Mongolia 44:31-48. Jan. 23, 1964. 173 J663Tmo  
Translation from Uen Nov. 13, 1963:2-4.



- JAGERSCHMIDT, J., and GOFFIN, E. Practical methods for calculating the expectation value of reforestation after fire. 8 p. Transl. 13807  
Translation from Bulletin de la Societe Centrale Forestiere de Belgique 41(3):98-107. 1934.
- JANJIC, V. Integration in agriculture, processing, and trade. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 177:31-47. June 28, 1963. 173 J663Ste  
Translation from Glasnik 3(3):14-19. Mar. 1963.
- JANNERMANN, G. The gradual transition toward industrial production methods in socialist agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 179:1-29. July 8, 1963. 173 J663Ste  
Translation from Zeitschrift fuer Agraroeconomik 6:161-166. June 1963.
- JANOSEVIC, D. On the needs and methods of agricultural planning on the opstina [suburban] level. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 130:98-111. Mar. 11, 1963. 173 J663Ste  
Translation from Poljoprivreda i Zadrugarstvo 12:10-13. Dec. 1962.
- JAO, H. Suggestions on the development of agricultural meteorology. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 71:1-7. Nov. 20, 1963. 173 J663Trc  
Translation from Chung kuo Nung-yeh 4:7-8. 1963.
- JAYME, G., and FENGEL, D. Contribution to the knowledge of the microstructure of springwood tracheids; examination of ultrathin sections. 8 p. Ref. Transl. 13327  
Translation from Holz als Roh- und Werkstoff 19(2):50-55. Feb. 1961.
- JEDLINSKI, W. Studies concerning the yield and increment tables for Scotch pine stands in Poland. 16 p. Transl. 13808  
Partial translation from Badania wlasciwosci struktury, rozwoju i przyrostu drzewostanow sosnowych w Polsce, p. 281-302. 1932.
- JEDLINSKI, Z., and UMINSKI, T. The influence of triphenylmethyl and benzoyl peroxide on the polymerization and drying of linseed and tung oils. 12 p. (OTS 61-11388) Transl. 13530  
Translation from Przemysl Chemiczny 13(7): 401-405. 1957.
- JEVDJOVIC, M., and MITIC, N. Socio-economic aspects of expanding the area of socialized farms through leasing of land. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 205:29-45. Oct. 29, 1963. 173 J663Ste  
Translation from Poljoprivreda i Zadrugarstvo 8:15-22. Aug. 1963.
- JIANU, E. Large reserves for raising the per hectare yield at state farms. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 173:8-15. June 18, 1963. 173 J663Ste  
Translation from Agricultura Socialista 1(12): 11. Apr. 25, 1963.
- JIANU, E. Production of corn in state farms. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 190:70-81. Aug. 23, 1963. 173 J663Ste  
Translation from Revista Internationala pentru Agricultura 3:49-52. May/June 1963.
- JUGOVIZ, R. The importance of the subsoil and underlying rock for the ground water regime. 6 p. Transl. 13809  
Translation from Forstarchiv 5:281-284, 297-300. 1929.
- JUMDAAN, SH. Some of the questions concerning the union between the working class and co-operativized peasants of the MPR. U. S. Joint P. Res. Serv. Transl. Mongolia 48:19-26. Apr. 15, 1964. 173 J663Tmo  
Translation from Nanyin Am'dral 12:30-36. Dec. 1963.
- KADAR, T. Employment of prophylactic materials in the feeding of animals. Hungarian Agr. Rev. 12(2):19-21. 1963. 241 H89  
Translation from Nemzetközi Mezőgazdasági Szemle 5:65-68. 1962.
- \*KADER, G. M. Iodometric determination of hydrogen sulfide in soils. Soviet Soil Sci. 5:493-495. Ref. May 1963. 57.8 P34Ae
- \*KAGAN, K. S., KRETOVICH, V. L., and CHEISHNER, G. Biosynthesis of isoleucine from its  $\alpha$ ,  $\beta$ -dihydroxy analogue in various plant seedlings. Soviet Plant Physiol. 10(4): 384-388. Ref. Jan./Feb. 1964. 450 F58Ae
- KAGNER, Y. Amortization funds on kolkhozes. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 20:34-44. Dec. 30, 1963. 173 J663Tso  
Translation from Planovoe Khozyaistvo 11: 42-48. Nov. 1963.
- KAHILA, S. On the by-products of kraft pulping. 6 p. Transl. 13614  
Translation from Teknillisen Kemian Alka-kauslehti 19:807-810. 1962.
- KAISER, L. Segmental innervation of the skin of the pigeon. 85 p. Transl. 14050  
Translation from Archives Neerlandaises de Physiologie 9:299-379. 1924.
- KAISLER, V. Flood control of torrential streams. 13 p. Transl. 13811  
Translation from Silviculture dans la Republique Tschecoslovaque 66:245-260. 1926.
- KALANTAROV, M. I. Use of impulses of high tension in cotton breeding. 4 p. Transl. 13224  
Translation from Akademiya Nauk Azerbaidzhanskoi SSR. Doklady 17(1):25-29. 1961.
- KALASHNIK, N. S. Cytoplasmic male sterility in the selection and breeding of sorghum. 7 p. Transl. 13501  
Translation from Seleksiya i Semenovodstvo 28(3):32-38. May/June 1963.
- \*KAL'CHENKO, YE. I. On the biology of the mosquito *Culex pipiens molestus* Forsk. (Diptera, Culicidae). Ent. Rev. 41(1):52-54. Ref. Jan./Mar. 1962. 421 R322Ae
- KALNIN'SH, A., and MURASHCHENKO, N. Preservative properties of lignosulphonic acids. 8 p. Ref. Transl. 13549  
Translation from Institut Lesokhozyaistvennikh Problem i Khimii Drevesini 19:201-206. 1960.
- \*KALYUZHNYAYA, L. D., ZABOROZHNYAYA, N. A., and OZERYANSKAYA, N. M. Occurrence of Actinomycetes with antiviral properties in Ukrainian soils. Microbiology 32(3): 434-438. Nov./Dec. 1963. 448.3 M582Ae
- KAMINSKI, J. Basic trends in the development of the grain milling industry. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 192:1-15. Aug. 29, 1963. 173 J663Ste  
Translation from Przegląd Zbozowo-Młynarski 7(6):154-158. June 1963.
- \*KANARAKE, A., and TALER, R. Availability of water and air to plants in variously compacted soils. Soviet Soil Sci. 5:535-540. Ref. May 1962. 57.8 P34Ae
- \*KANDYBINA, M. N. On the diagnostics of fruit-fly larvae (Diptera, Trypetidae). II. Ent. Rev. 41(2):273-280. Apr./June 1962. 421 R322Ae
- KAO, H. Self-sufficiency of farm fields. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 47:12-21. June 20, 1963. 173 J663Trc  
Translation from Jen-min Jih-pao, May 7, 1963:5.
- KAO, S. Y. Reports on microbiology in China, and in particular, virological research at the Institute for Microbiology in Wuhan. Communist China Digest 97:89-96. July 31, 1963. 280.8 C735  
Translation from Priroda 11(6). Nov./Dec. 1962.

- KAO, T. C. Supply and marketing cooperatives should assume the leadership in our rural markets. U. S. Joint P. Res. Serv. Transl. Communist China's Trade, Finance, Transportation & Commun. 90:1-7. Feb. 18, 1964. 173 J663Tcc  
Translation from Ta Kung Pao, Jan. 20, 1964:3.
- KAPITANAKI, M. V., and others. Data on the diagnosis of anthrax in cattle and sheep. 3 p. Transl. 13372  
R. K. Semenyuk, E. A. Fedorchenko, and M. I. Gracheva, joint authors.  
Translation from Veterinariya 8:77-78. Aug. 1963.
- \*KAPITONOVA, O. N. A cytological study of ultraviolet-irradiated *Actinomyces* cells subjected to photoreactivation. Microbiology 32 (3):384-388. Ref. Nov./Dec. 1963. 448.3 M582Ae
- \*KAPLYUK, L. F. Qualitative composition of humus in the soils of the Ob' forest-tundra and its changes under the influence of cultivation. Soviet Soil Sci. 5:491-499. Ref. May 1962. 57.8 P34Ae
- \*KAPLYUK, L. F. Residual flood plain sod soils of the Ob' forest tundra. Soviet Soil Sci. 11: 1246-1255, map. Ref. Nov. 1962. 57.8 P34Ae
- KAPPER, V. G. The organization of annual systematic observations on seed production of forest tree species. 27 p. Ref. Transl. 13813  
Translation from State Experimental Institute for Forest Management and Wood Industries. Transactions of Forest Research 8:103-147. 1930.
- \*KAPRALOVA, L. T. The digestive enzymes of the placenta and the digestive organs of sheep fetuses. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 148(1/6):77-80. Ref. July/Aug. 1963. 511 P444Aeb
- \*KARAPETYAN, N. V., LITVIN, F. F., and KRASNOVSKII, A. A. Changes in luminescence in the investigation of the differential spectra of photosynthetic organisms. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 149(1/6):348-351. Ref. Sept./Oct. 1963. 511 P444Aeb
- \*KARAYEVA, Z. S. Ash composition of some plants in the Bet-Pak-Dala Desert. Soviet Soil Sci. 3:273-280. Ref. Mar. 1963. 57.8 P34Ae
- \*KARDO-SYSOEVA, E. K., and KOPTEVA, E. G. Light and temperature factors at the Far North influencing the accumulation of starch in potato tubers. Soviet Plant Physiol. 10(1):24-30. July/Aug. 1963. 450 F58Ae
- \*KARIMOVA, Z. KH., and ROSSOMAKHINA, N. F. Dogs as a source of leptospirosis in man. J. Microbiol. Epidemiol. & Immunobiol. 32(5):871-877. Ref. 1961, pub. 1962. 448.3 Z4Ae
- KARLSON, P. Introduction to modern biochemistry. New York, Acad. Press, 1963. 433 p. Ref. 386.2 K143Ae  
Translation of Kurzes Lehrbuch der Biochemie für Mediziner und Naturwissenschaftler.
- KARPOV, K. Income tax in the kolkhozes. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 25:21-27. Feb. 26, 1964. 173 J663Tso  
Translation from Ekonomika Sel'skogo Khozyaistva 12:82-88. 1963.
- \*KARPOV, S. P. The study of diseases of natural focal occurrence by research workers from Tomsk. J. Microbiol. Epidemiol. & Immunobiol. 32(5):781-787. Ref. 1961, pub. 1962. 448.3 Z4Ae
- KARPOWICZ, H. State feed aid for farmers in 1962-1963. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 125:37-41. Feb. 27, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 11(22):61-62. Nov. 16, 1962.
- KARPOWIES, H. Contracted procurement of wheat. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 123:21-26. Feb. 21, 1963. 173 J663Ste  
Translation from Przegląd Zbozowo-Młynarski. 12:351-352. Dec. 1962.
- KARWOWSKI, T. Technological and constructional problems concerning mechanized harvesting of sugar beets. p. 1-79. (OTS 60-21569) 33.32 R59  
Translation from Roczniki Nauk Rolniczych. Seria C 67(1):1-100. 1957.
- KASZYNSKA, J. Calcium determination in chemical pulps by means of a flame photometer. 13 p. (OTS 61-11389) Transl. 13349  
Translation from Instytut Celulozowo-Papierniczy. Prace 4(2):55-60. 1955.
- \*KAUFMAN, Z. S. Structure and development of the stigmata in *Lithobius forficatus* L. (Chilopoda, Lithobiidae). Ent. Rev. 41(2):223-225. Ref. Apr./June 1962. 421 R322Ae
- \*KAURICHEV, I. S., IVANOVA, T. N., and NOZDRUNOVA, YE. M. Low-molecular organic acid content of water-soluble organic matter in soils. Soviet Soil Sci. 3:223-229. Ref. Mar. 1963. 57.8 P34Ae
- \*KAURICHEV, I. S., and others. Methods of investigating the chemical composition of the liquid soil phase (soil solution). Soviet Soil Sci. 6:541-550. Ref. June 1963. 57.8 P34Ae  
N. A. Komarova, I. N. Skrynnikova, and Ye. I. Shilova, joint authors.
- KAVAN, V. International comparison tests of potato sorters. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 199:17-20. Sept. 23, 1963. 173 J663Ste  
Translation from Mezinarodni Zemedelsky Casopis 7(3):93. 1963.
- KAVAN, V. Mechanized groups and brigades in Czechoslovak agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 215:12-19. Dec. 17, 1963. 173 J663Ste  
Translation from Mezinarodni Zemedelsky Casopis 7(4):14-17. 1963.
- KAZAKOV, I. F., ABIZAROV, YU. SH., and ARISTOV, A. A. Treating cattle infected with foot-and-mouth disease (FMD) with bee glue ointment. 2 p. Transl. 13595  
Translation from Veterinariya 2:37-38. 1961.
- \*KEFELI, V. I., and TURETSKAYA, R. KH. A method for determination of free auxins and inhibitors in woody plant tissues. Soviet Plant Physiol. 10(4):414-417. Ref. Jan./Feb. 1964. 450 F58Ae
- KEIS, J. The contribution of the "Agrosem" trust to the development of high-quality seeds. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 156:69-75. May 7, 1963. 173 J663Ste  
Translation from Probleme Agricole 15(2):67-71. Feb. 1963.
- \*KELLERMAN, V. V., and TSYURUPA, I. G. Problem of the strength of the bond between iron films and minerals found in the soil. Soviet Soil Sci. 1:63-71. Ref. Jan. 1962. 57.8 P34Ae
- KEMPE, W. Agricultural aviation in the German Democratic Republic and its perspectives. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 155:45-52. May 6, 1963. 173 J663Ste  
Translation from Wissenschaftlich-Technischer Fortschritt für die Landwirtschaft 4(2): 95-97. Feb. 1963.
- KENESARINA, N. Special characteristics of the water regime and drought resistance of tree and shrub species in Central Kazakhstan. 4 p. (OTS 63-11023) Transl. 13688  
Translation from Sel'skoe Khozyaistvo Kazakhstana 10:82-85. 1959.
- \*KERZHNER, I. M. Materials on the taxonomy of capsid bugs (Heteroptera, Miridae) in the fauna of the USSR. Ent. Rev. 41(2):226-235. Ref. Apr./June 1962. 421 R322Ae
- \*KHAILOV, K. M. Some unknown organic substances in sea water. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1355-1357. Ref. May/June 1963. 511 P444Aeb



- \*KHARANYAN, N. N. Characteristics of respiration and oxidation-reduction processes in rice as related to nutrition. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):820-822. Nov./Dec.1963. 511 P444Aeb
- \*KHAVINA, E. S., RAUTENSHTEIN, Y. I., and KHUSEIN, A. Lysogeny among cultures of the *A. viridochromogenes* group. Microbiology 32 (3):404-409. Ref. Nov./Dec.1963. 448.3 M582Ae
- \*KHAVKIN, E. E., and MEDVEDEV, ZH. A. Effect of etiolation and of ATP on incorporation of C<sup>14</sup>-tyrosine into bean leaf chloroplast proteins. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):620-622. Ref. Nov./Dec.1963. 511 P444Aeb
- \*KHEYFETS, D. M. Determination of the content of available phosphates in acetate-buffer extracts from soil. Soviet Soil Sci. 5:541-549. May 1962. 57.8 P34Ae
- \*KHLEBNIKOV, V. Labor productivity in agriculture. Prob. Econ. 7(1):3-11. May 1964. 280.8 V89Ae
- \*KHMEI, I. A. Composition of *Torula utilis* cells during synchronous multiplication. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 151(1/6):1007-1009. Jan./Feb.1964. 511 P444Aeb
- \*KHOLMOGOROV, V. E., SIDOROV, A. N., and TERENIN, A. N. Light-induced EPR signals in crystalline chlorophyll and its infrared spectra. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1256-1258. Ref. May/June 1963. 511 P444Aeb
- \*KHRISTEVA, L. A., and LUK'YANENKO, N. V. Role of physiologically active substances in the soil—humic acids, bitumens and vitamins B, C, P-P, A and D—in the life of plants and their replenishment. Soviet Soil Sci. 10:1137-1141. Ref. Oct.1962. 57.8 P34Ae
- \*KHRISTOLYUBOVA, N. B., ZAGORSKAYA, N. Z., and VOLKOVA, R. M. The inheritance of experimentally induced functional changes in the giant chromosomes. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1337-1338. May/June 1963. 511 P444Aeb
- KHRUSHCHEV, N. S. The building of communism in the USSR and the development of agriculture. 5 v. 280.179 K522Se  
Translation of Stroitel'stvo kommunizma v SSSR i razvitie sel'skogo khozyaistva.
- KHURSHUDYAN, P. A. Some data on the relation between annual ring width and the physical and mechanical properties of Armenian oak wood. 10 p. (OTS 63-11091) Transl. 13689  
Translation from Akademiya Nauk Armyanskoi SSR. Izvestiya, Biologicheskie i Sel'skokhozyaistvennye Nauki 11(4):33-43. 1958.
- KIERNOZYCKI, A. The timber and paper industries in the third year of the current five-year plan: Poland. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 232:10-23. Mar.10,1964. 173 J663Ste  
Translation from Gospodarka Planowa 2:1-8. Feb.1964.
- KIM, C. J. Increased material and financial assistance from the State to promote agricultural development. U. S. Joint Publications Res. Serv. Econ. Rep. N. Korea 120:9-18. Apr.22,1964. 173 J663Er  
Translation from Chaejong Kumyung 2:2-7. Feb.1964.
- KIRSTEIN, K., and EICHE, V. Natural occurrence and ecology of the hornbeam (*Carpinus betulus*) in Latvia. 10 p. Transl. 13815  
Translation from Latvijas Universitates Raksti 13 (series II):436-448. 1933.
- \*KIRTCHENKO, A. N. New data on the Hemiptera-Heteroptera fauna of Afghanistan. Ent. Rev. 42(2):206-209. Apr./June 1963. 421 R322Ae
- \*KIR'YALOV, N. P., and MOVCHAN, S. D. A new glycoside, reoselin, from the resin of the roots of the parsley ferula, *Ferula pseudoreoselinum* (Rgl. et. Schmalh.) K. Pol. Acad. Sci. USSR. Proc. Chem. Sect. 148(1/6):143-145. Jan./Feb.1963. 511 P444Ae
- \*KIR'YALOV, N. P., and NAUGOL'NAYA, T. N. A new triterpenic acid (macedonic acid) from *Glycyrrhiza macedonica* Boiss. et Orph. J. Gen. Chem. USSR 33(2):689-691. Feb.1963. 385 Z6Ae
- \*KIR'YALOV, N. P., and NAUGOL'NAYA, T. N. A triterpenic acid (echinatic acid) from roots of *Glycyrrhiza echinata* L. J. Gen. Chem. USSR 33(2):692-694. Feb.1963. 385 Z6Ae
- \*KIR'YALOV, N. P., and NAUGOL'NAYA, T. N. A triterpenic acid (meristotropic acid) from *Glycyrrhiza triphylla* Fisch. et Mey. J. Gen. Chem. USSR 33(2):686-688. Feb.1963. 385 Z6Ae
- KISSER, J., and LOHWAG, K. Histochemical experiments with lignified cell walls. 8 p. Ref. Transl. 13473  
No source of translation given.
- KISSER, J., and LINHARDT, G. Microscopic analysis of the trend of the load curve in local compression tests. 10 p. Transl. 13550  
Translation from Holz als Roh- und Werkstoff 12:329-334. 1954.
- \*KISTANOV, N. S. Response of rice to soil salinity. Soviet Soil Sci. 5:476-480. May 1963. 57.8 P34Ae
- KLATT, F. Results and experiences involving field spray irrigation in 1962. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 175:1-9. June 20,1963. 173 J663Ste  
Translation from Die Deutsche Landwirtschaft 14(5):227-230. May 1963.
- KLEINSCHMIT, DEINES, and OELKERS. The acidification and humus question in the forest stand. 14 p. Ref. Transl. 13816  
Translation from Allgemeine Forst- und Jagdzeitung 108:373-376. Nov.1932.
- KLEMENT, Z., and LOVREKOVICH, L. Latest methods for determination of plant pathogen bacteria. Hungarian Agr. Rev. 12(2):14-15. 1963. 241 H89  
Translation from Nemzetközi Mezőgazdasági Szemle 5:55-56. 1962.
- \*KLENKOVA, N. I. The influence of swelling in water and acetic acid on the internal surface and capillary structure of native and mercerized cotton cellulose. J. Appl. Chem. USSR 36 (4):799-804. Apr.1963. 385 Z64Ae
- \*KLENKOVA, N. I., and IVASHKIN, G. P. On the internal surface and capillary structure of natural and mercerized cotton cellulose. J. Appl. Chem. USSR 36(2):378-387. Ref. Feb. 1963. 385 Z64Ae
- KLIMES, I., and VEROSTA, B. A new method for the production of protein-vitamin concentrates from forage plants. 8 p. Transl. 13494  
Translation from Archiv für Tierernährung 11:393-399. 1962.
- KLIMES, I. Research on carotene content of forage plants. 7 p. Transl. 13626  
Translation from Československá Akademie Zemědělských Ved. Sborník, Zivocisna Vyroba 34(12):901-906. Dec.1961.
- KLINKOWSKI, M. Are both phytopathological research and practical plant protection at the highest possible level in the GDR? U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 128:27-40. Mar.7, 1963. 173 J663Ste  
Translation from Die Deutsche Landwirtschaft 14(1):30-32. Jan.1963.
- KLOCEK, F. Balance of fodder for the farm year 1963/1964. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 218:16-21. Jan.7,1964. 173 J663Ste  
Translation from Nowe Rolnictwo 19:1-2. Oct.1/15,1963.
- KLOCEK, F. Conclusion resulting from the 1962 feed situation. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 156:22-34. May 7,1963. 173 J663Ste  
Translation from Przegląd Hodowlany 30(12): 23-26. Feb.1962.



- KLOCEK, F. Importance of grasses in the development of animal husbandry. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 199:21-38. Sept. 23, 1963. 173 J663Ste  
Translation from Przegląd Hodowlany 7/8: 24-28. July-Aug. 1963.
- KLOCEK, F. The status of meat production. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 207:22-33. Nov. 6, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 17:10-11. Oct. 1/15, 1963.
- KLUK, T. Investment problems in food industry. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 169:19-43. June 10, 1963. 173 J663Ste  
Translation from Przemysł Spożywczy 2:7-16. Feb. 1963.
- KMOTIZEK. How stands it with the wooden tie in the German Republic? Cross Tie B. 45(5): 9-12. May 1964. 99.82 C87  
Translation from Holzschwelle, Oct. 1963.
- KNUCHEL, H. Increment fluctuations. 17 p. Ref. Transl. 13713  
Translation from Schweizerische Zeitschrift für Forstwesen 84(9):261-272; 12:369-380. Sept., Dec. 1963.
- KNUCHEL, H. Investigations into the mixed forest of Oppligen. 5 p. Transl. 13817  
Translation from Schweizerische Zeitschrift für Forstwesen 78:307-311. 1927.
- KO, T. On the relationship between forestry and agriculture. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 57:27-37. Aug. 27, 1963. 173 J663Trc  
Translation from Kuang-ming Jih-pao, July 22, 1963:4.
- KO, Y. H. Develop well irrigation in North China. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 27: 1-6. Feb. 6, 1963. 173 J663Trc  
Translation from Ta Kung Pao, Nov. 21, 1962: 3.
- KOBRANOV, N. P. Examination and analysis of forest plantations. 23 p. Transl. 13818  
Translation from State Experimental Institute for Forest Management and Wood Industries. Transactions of Forest Research 8:1-102. 1930.
- KOCIECKI, T. The problem of mechanization in agricultural circles. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 181:1-25. July 16, 1963. 173 J663Ste  
Translation from Wies Wspolczesna 5:24-35. May 1963.
- KOCOT, M., ZAWADZKI, Z., and HEJLASZ, Z. The influence of supervital administration of streptomycin on the preservation of meat. 10 p. (OTS 61-11390) Transl. 13260  
Translation from Medycyna Weterynaryjna 5: 275-280. 1958.
- \*KODINA, L. A. Investigation of the structural units of lignin by the methods of paper chromatography and ultraviolet spectrophotometry. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6): 1197-1199. Ref. May/June 1963. 511 P444Aeb
- KOEV, D. Material interest and labor compensation for agricultural mechanics. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 143:17-21. Apr. 11, 1963. 173 J663Ste  
Translation from Novo Vreme 3:78-81. 1962.
- \*KOGAN, L. M. An approach to the search for chemical means of protecting useful plants. J. Appl. Chem. USSR 36(4):788-793. Ref. Apr. 1963. 385 Z64Ae
- KOGAN, M. L. The development of kolkhoz relations, and some aspects of bank loans to kolkhozes. U. S. Joint P. Res. Serv. Transl. Soviet Econ. System: Struct. & Policy. 95:59-66. Sept. 19, 1963. 173 J663Sove  
Translation from Sovetskoe Gosudarstvo i Pravo 7:106-110. July 1963.
- KOHLER, F. Photographically registered auto-oscillograms. 8 p. Transl. 13608  
Translation from G-I-T Glas und Instrumenten-Technik 3(5):151-157. May 1959.
- KOHLER, W. Corrosion of nonferrous metals by wood impregnated with alkali-fluoride solutions in humid air. 7 p. Transl. 13478  
Translation from Holzforschung und Holzverwertung 14(2):21-28. 1962.
- KOHN, M. Soil and humus formation under the influence of soil flora and trees. 11 p. Transl. 13824  
Translation from Zeitschrift für Forst- und Jagdwesen 66(3):119-131. 1934.
- \*KOLEK, YU., and OVCHAROV, K. On the growth interaction between vitamins and growth stimulators. Soviet Plant Physiol. 10(1):65-69. Ref. July/Aug. 1963. 450 F58Ae
- \*KOLESNICHENKO, M. V. Seasonal variation in the biochemical activity of aspen leaf excretions. Soviet Plant Physiol. 9(6):583-584. May/June 1963. 450 F58Ae
- \*KOLESNIK, A. A., and ANISIMOV, V. YA. The physiological basis for early harvesting dates in table beet. Soviet Plant Physiol. 10(4):408-413. Jan./Feb. 1964. 450 F58Ae
- KOLESNIKOV, E. V. Methods of investigating the growth of absorbing roots in fruit trees. 10 p. Ref. (OTS 63-11017) Transl. 13692  
Translation from Timiryazevskaya Sel'skokhozyaistvennaya Akademiya. Izvestiya 6(19):51-60. 1957.
- KOLLMANN, F. An equation of sorption isotherm. 3 p. Transl. 13476  
Translation from Naturwissenschaften 49(9): 206-207. May 1, 1962.
- KOLLMANN, F. Methods of physical wood research. 12 p. Ref. Transl. 13477  
Translation from Schweizerische Zeitschrift für Forstwesen 1:25-46. Jan. 1962.
- KOLLMANN, F. Research and progress in wood physics. 13 p. Ref. Transl. 13347  
Translation from Forschungen und Fortschritte 36(6):161-166. June 1962.
- KOLOMAKIN, G. A., IVANOVA, K. V., and BZHEVSKAYA, A. N. Concerning the problem of serological diagnosis of brucellosis in cows. 4 p. Transl. 13354  
Translation from Veterinariya 12:61-62. Dec. 1962.
- \*KOLOSHA, O. I. Effect of calcium carbonate on development of corn and the activity of its enzymes. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1436-1437. Ref. May/June 1963. 511 P444Aeb
- \*KOMISSAROV, G. G., and others. The dependence of the photosensitizing activity of chlorophyll, adsorbed on caprone, on the surface concentration. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):627-628. Nov./Dec. 1963. 511 P444Aeb  
V. A. Gavrilova, L. I. Nekrasov, N. I. Kobozev, and V. B. Evstigneev, joint authors.
- \*KOMISSAROV, G. G., KOBOZEV, N. I., and NEKRASOV, L. I. Luminescence of chlorophyll adsorbed on capron. Russ. J. Phys. Chem. 37(11):1379-1380. Ref. Nov. 1963. 385 Z63Ae
- \*KONDRACHINA, YE. G. Amperometric method for determining organic substances in soils. Soviet Soil Sci. 3:324-327. Mar. 1962. 57.8 P34Ae
- KONDRAT'EVA, N. V. Cyanophyta found in some cultivated soils near Kiev. 22 p. Ref. Transl. 13990  
Translation from Ukrayins'kyi Botanichnyi Zhurnal 16(1):74-85. 1959.
- \*KONEV, YU. E., and TSYGANOV, V. A. A new species in the group of yellow Actinomycetes, Actinomyces xantholiticus n. sp. Microbiology 31(6):829-833. Ref. May/June 1963. 448.3 M582Ae
- \*KONONOVA, M. M. Academician I. V. Tyurin's investigations in the field of soil organic matter. Soviet Soil Sci. 12:1325-1329. Ref. Dec. 1962. 57.8 P34Ae



KONOPATKIN, A. A. Immunity and blood protein of piglets in a normal state, with hog cholera, and after ASV inoculation. 6 p. Transl. 14014  
Translation from Veterinariya 11:43-47. Nov. 1963.

\*KONOVALOV, YU. B. Causes for different grain sizes in the spikes of barley and wheat. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 149(1/6): 519-521. Ref. Sept./Oct. 1963. 511 P444Aeb

KONSEL, J. The effect of the extraordinarily severe winter of 1928-29 upon forest trees. 4 p. Transl. 13826

Translation from Ceskoslovenska Akademie Zemedelska. Vestnik 6(3):276-278. 1930.

KONSTANTINOV, A. R. The basis of methods for calculating evaporation from routine measurements of meteorological stations. 77 p. Ref. (OTS 63-11015) Transl. 13510

Translation from Gosudarstvennyi Gidrologicheskii Institut. Trudy 54(108):5-74. 1956.

\*KONSTANTINOV, N. N., and ZHEBRAK, E. A. Photoperiodism of diploid and tetraploid coriander. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):722-724. Nov./Dec. 1963. 511 P444Aeb

\*KONSTANTINOVA, T. N. Effect of anaerobiosis on plant respiration in connection with photoperiodism. Soviet Plant Physiol. 10(4):401-404. Jan./Feb. 1964. 450 F58Ae

KORABLEV, N. Agricultural physics and yield. NLL [Nat. Lending Lib.] Trans. Bull. 6(5):458-463. May 1964. 241.9 G796

Translation from Nauchnotekhnicheskie Obshchestva SSSR 5(11):60-61. 1963.

\*KORABLEVA, L. I., and ACHKASOVA, G. A. Phosphorus regime of the soils of the Oka River flood plain. Soviet Soil Sci. 4:363-371. Ref. Apr. 1963. 57.8 P34Ae

\*KORABLEVA, N. P., and METLITSKII, L. V. Effect of gamma-irradiation on the growth and nucleic acid content of onions. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):598-600. Nov./Dec. 1963. 511 P444Aeb

KORCHAGIN, A. A. The taxonomy of forest groupings. 18 p. Ref. (OTS 63-11027) Transl. 13509

Translation from Akademiya Nauk SSSR. Botanicheskii Institut im. V. L. Komarova. Sbornik Nauchnykh Rabot. 1945.

\*KORETSKAYA, N. I., and UTKIN, L. M. New alkaloid from plant Vinca erecta Rgl. et Schmalh. J. Gen. Chem. USSR 33(6):2010-2011. June 1963. 385 Z6Ae

\*KORNEEV, P. K. The effect of pre-sowing stimulation of maize on certain physiological processes and on crop yield. Soviet Plant Physiol. 9(5):493-497. Ref. Mar./Apr. 1963. 450 F58Ae

\*KORNEV, V. P. Biochemical and enzymatic activity of litter in pine plantings. Soviet Soil Sci. 11:1312-1317. Nov. 1962. 57.8 P34Ae  
KORNIYETS, L. Improvement in farm produce procurement. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 16:46-48. Aug. 27, 1963. 173 J663Tso

Translation from Pravda, June 8, 1963.

KOROBOV, V. V. Hydro-transport of wood chips in pipeline. Woodlands Res. Index 150: B1-B5. May 1964. 99.8 W855A

Translation from Bumazhnaya Promyshlennost' 1:13-15. Jan. 1964.

KOROLEV, L. I., VOITEKHOVA, V. A., and STONOV, L. D. New chemical substances for pre-harvest elimination of the leaves of the cotton plant. 11 p. Transl. 13991

Translation from Vestnik Sel'skokhozyaistvennoi Nauki 3(1):82-91. Jan. 1958.

\*KOROVIN, A. I., SYCHEVA, Z. F., and BYSTROVA, Z. A. The effect of soil temperature on the amount of various forms of phosphorus in plants. Soviet Plant Physiol. 10(2):109-112. Ref. Sept./Oct. 1963. 450 F58Ae

KORTING, A. New findings on the protective insecticidal persistency of various wood preservatives. 9 p. Ref. Transl. 13229

Translation from Nachrichtenblatt des Deutschen Pflanzenschutzdienstes 12(8):115-119. 1960.

KOSILOV, I. A. Evaluation of immunobiological reactions in sheep immunized with vaccine strain 19. 5 p. Transl. 13400

Translation from Veterinariya 7:32-34. July 1963.

\*KOSMACHEV, A. E. Thermophilic actinomycetes in milk and dairy products. Microbiology 32(1):116-121. Ref. July/Aug. 1963. 448.3 M582Ae

KOSTOV, G. The principle of material incentive in agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 119:8-31. Feb. 12, 1963. 173 J663Ste  
Translation from Trud i Tseni 4(9):18-30. Oct. 1962.

\*KOTIN, N. I. Calcareous Solonchets in the western part of the Sub-Ural plateau. Soviet Soil Sci. 7:735-742. Ref. July 1962. 57.8 P34Ae

KOTSCHE, W. Contribution on the correlation between foot and mouth disease and meteorological factors. 14 p. Transl. 13628

Translation from Archiv fur Experimentelle Veterinarmedizin 13:141-156. 1959.

KOVALENKO, I. R. Review of the epizootic disease situation in various countries in 1962. 5 p. Transl. 13560

Translation from Veterinariya 11:77-79. Nov. 1963.

\*KOVALENOK, A. V., and JOHANSEN, B. G. In memory of Rostislav Petrovich Berezhkov (1891-1961). Ent. Rev. 41(3):434-436. July/Sept. 1962. 421 R322Ae

KOVANEN, M. The rotary cutting of veneer. 21 p. Ref. Transl. 13475

Translation from Paperi ja Puu 44(9):439-446, 450-457. 1962.

KOVARSKII, A. E., and PUGALOV, B. P. Increasing the protein content of corn through selection. 14 p. Transl. 13432

Translation from Vestnik Sel'skokhozyaistvennoi Nauki 10:18-27. Oct. 1961.

KOVESI, J. Contractual raw material supply of the food industry: Hungary. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 224:29-39. Feb. 5, 1964. 173 J663Ste

Translation from Elemeszeti Ipar 17(10):319-323. Oct. 1963.

\*KOVTON, A. P. Simple method of determining the bulk density of soils. Soviet Soil Sci. 3:328-330. Mar. 1962. 57.8 P34Ae

KOZINKA, V. The curve of the cell sap osmotic pressure in deciduous tree leaves. Soviet Plant Physiol. 10(1):37-41. Ref. July/Aug. 1963. 450 F58Ae

\*KOZLOV, K. A. Study of the biological activity of soils in eastern Siberia. Soviet Soil Sci. 4: 381-387. Ref. Apr. 1962. 57.8 P34Ae

KOZLOV, P. V., and RUSSKOVA, E. F. The influence of low molecular weight substances on the deformation of nitrocellulose in a wide range of temperatures. p. 1-4. (OTS 63-11007) Transl. 13259

Translation from Akademiya Nauk SSSR. Doklady 95(3):583-586. 1954.

KOZLOV, P. V., and RUSSKOVA, E. F. The influence of molecular weight on the transition temperatures of nitrocellulose. p. 5-8. (OTS 63-11007) Transl. 13259

Translation from Akademiya Nauk SSSR. Doklady 99(1):105-108. 1954.

KOZLOWSKI, Z., and PILITOWSKI, J. An attempt to appraise demand for fertilizers in light of the reserves in rural commune cooperative warehouses. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 161:48-69. May 21, 1963. 173 J663Ste

Translation from Wies Wspolczesna 3:62-72. Mar. 1963.

KOZLOWSKI, Z., BRZOSKA, M., and WACHNACHTER, W. 1962/1963 agricultural situation and its implications. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 229:12-35. Feb. 28, 1964. 173 J663Ste

Translation from Wies Wspolczesna 11:16-32. Nov. 1963.



- \*KOZUBOV, G. M., and GANYUSHKINA, L. G. The effect of ultrasound on pine and spruce seed. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):823-824. Ref. Nov./Dec.1963. 511 P444Aeb
- \*KOZYAR, L. A., and STOLYAROV, A. S. Palynologic evidence for the stratigraphic sequence of Maykop deposits in South Mangyshlak. Acad. Sci. USSR. Dok. Earth Sci. Sect. 144(1/6):84-88. May 1964. 511 P444Aee
- KRABBE, E. On the stress in a single step joint. 7 p. Transl. 13551  
Translation from Holz als Roh- und Werkstoff 20(5):189-195. 1962.
- KRAPIVINA, A. T. Irrigation of cotton according to leaf suction pressure. Soviet Plant Physiol. 10(1):87-91. Ref. July/Aug.1963. 450 F58Ae
- \*KRASIL'NIKOVA-KRAINOVA, A. I. Nature of nodules on roots of *Alopecurus pratensis* L. Microbiology 31(6):845-849. May/June 1963. 448.3 M582Ae
- \*KRASNOVSKII, A. A., BRIN, G. P., and DROZDOVA, N. N. Chlorophyll-sensitized oxidoreductive transformations of benzylnicotinamide and pyridine nucleotides. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):601-604. Nov./Dec.1963. 511 P444Aeb
- \*KRASNOVSKII, A. A., and PAKSHINA, E. V. A comparative study of the formation of pheophytins from chlorophyll and its analogs in darkness and in light. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 148(1/6):13-16. July/Aug.1963. 511 P444Aeb
- \*KRASNOVSKII, A. A., and DROZDOVA, N. N. Reversible photochemical reaction of chlorophyll, bacteriochlorophyll, and bacterioviridin with quinone and oxygen in alcohol-glycerol solution. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):613-616. Ref. Nov./Dec.1963. 511 P444Aeb
- KRASOTA, V. F. To improve the training of agricultural specialists in the field of biology. 12 p. Transl. 13310  
Translation from Vestnik Sel'skokhozyaistvennoi Nauki 6:2-6. June 1963.
- KRATOSKA, K. Problems of material interest in MTS. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 162:7-11. May 21, 1963. 173 J663Ste  
Translation from Hospodarske Noviny 7(16):3. Apr. 19, 1963.
- KRAUS, H. Data and observations on the economic situation of the wood-working machinery industry. 9 p. Transl. 13552  
Translation from Holztechnik, v.42. 1962.
- KRAUS, T. Long-range outlook in the development of seed culture in Poland. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 124:15-24. Feb. 26, 1963. 173 J663Ste  
Translation from Mezinardni Zemedelsky Casopis 6:27-30. Dec.1962.
- KRAUSE, O. Some economic questions on DDR potato production. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 126:29-54. Mar. 1, 1963. 173 J663Ste  
Translation from Zeitschrift fuer Agrarökonomik 12:373-378. Dec.1962.
- KRESSMANN, H., and ALBERT, O. H. Four years of regulations regarding *Salmonella* and its practical effect. 14 p. Transl. 13441  
Translation from Berliner und Münchener Tierärztliche Wochenschrift 74(18):359-363. 1961.
- KRETOVICH, V. L., and others. On the so-called reserve albumin of seeds. 9 p. (OTS 63-11044) Transl. 13691  
A. A. Bundel', S. S. Melik-Sarkisyan, and K. M. Stepanovich, joint authors.  
Translation from Biokhimiya 19(2):208-215. 1954.
- \*KRETOVICH, V. L., and STEPANOVICH, K. M. The synthesis of serine from hydroxypyruvic acid in the living plant. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 148(1/6):17-18. July/Aug.1963. 511 P444Aeb
- \*KRIT-SKII, G. A., and CHAI, C. W. Nucleotide metabolism of *Gallia mellonella* L. caterpillars, normal and after X-ray irradiation. Biochemistry (Biokhimiya) 26(2):224-227. Sept./Oct.1961. 385 B523Ae
- \*KRIVOSHEINA, N. P., and MAMAYEV, B. M. Larvae of the European species of the genus *Temnostoma* (Diptera, Syrphidae). Ent. Rev. 41(4):570-575. Oct./Dec.1962. 421 R322Ae
- KROL, B., and KOZIEJ, M. Some problems of the regional balance of manpower in agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 128:87-106. Mar. 7, 1963. 173 J663Ste  
Translation from Gospodarka Planowa 12:51-66. Dec.1962.
- KROLLER, E. Investigations on the determination of residual amounts from nicotine-containing plant protection agents. 11 p. Ref. Transl. 13629  
Translation from Deutsche Lebensmittel-Rundschau 58(10):293-296. 1963.
- KRUEDENER, B. A. VON. The problem of the soil profile. 13 p. Transl. 13827  
Translation from Deutsche Forschung 24:116-133. 1934.
- \*KRUGLOVA, YE. K. Copper and its form in the soils of the Golodnaya Steppe and in cotton. Soviet Soil Sci. 5:516-521. Ref. May 1962. 57.8 P34Ae
- \*KRUPKIN, P. I. Movement of salt solutions in soils and soil materials. Soviet Soil Sci. 6:567-574. Ref. June 1963. 57.8 P34Ae
- \*KRUPSKIY, N. K., ALEKSANDROVA, A. M., and STETSENKO, M. V. Determination of chloride ion in turbid and colored soil extracts. Soviet Soil Sci. 2:218-221. Ref. Feb.1962. 57.8 P34Ae
- \*KRUPSKIY, N. K., ALEKSANDROVA, A. M., and GUBAREVA, D. N. Measurement of the pH of soils in the Ukrainian SSR. Soviet Soil Sci. 4:407-414. Ref. Apr.1962. 57.8 P34Ae
- \*KRZHILIN, A. S. Effect of low temperature on the sugar content in winter and summer wheat and in the combined type of plant. Soviet Plant Physiol. 10(3):310-312. Ref. Nov./Dec.1963. 450 F58Ae
- KRYCH, K. Condition and form of durable resources in state forest enterprises. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 187:66-83. July 30, 1963. 173 J663Ste  
Translation from Sylwan 107(2):29-40. Mar./Apr.1963.
- \*KRYM, I. YA. Determining soil carbohydrates by partition chromatography. Soviet Soil Sci. 6:657-659. June 1962. 57.8 P34Ae
- \*KRYZHANOVSKIY, O. L. A. P. Semenov-Tyan-Shanskiy (1866-1942). Ent. Rev. 41(4):582-585. Oct./Dec.1962. 421 R322Ae
- \*KRYZHANOVSKIY, O. L. The caterpillar hunters Calosoma Web. and Callisthenes Fisch.-W. (Coleoptera, Carabidae) in the USSR. Ent. Rev. 41(1):96-104. Ref. Jan./Mar.1962. 421 R322Ae
- \*KRYZHANOVSKIY, O. L. In memory of Nikolay Nikolayevich Plavil'shchikov (1892-1962). Ent. Rev. 41(3):429-433. Ref. July/Sept.1962. 421 R322Ae
- KSIAZEK, J. Economic effects and the future of the appliance of pesticides in Poland's pest and disease control in 1963-1965. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 221:1-28. Jan. 24, 1964.  
Translation from Postępy Nauk Rolniczych 10(3):3-26. May/June 1963.
- KSIAZEK, J. Organization and method of combating the most important potato diseases and pests. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 189:39-53. Aug. 19, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 12:37-40. June 16/30, 1963.



- KU, M. N., and SHA, Y. New method of trans-plantation of spouting cotton seedlings dis-cussed. *Communist China Digest* 115:34-35. Mar.11,1964. 280.8 C735  
Translation from Kuang-ming Jih-pao, Dec. 2, 1963.
- KU, M. N. The transplantation of sprouting cotton seedlings. U. S. Joint P. Res. Serv. Transl. *Communist China's Agr. Anim. Husb. & Mater.* 82:57-62. Jan.15,1964. 173 J663Trc  
Translation from Kuang-ming Jih-pao, Dec.2, 1963:1.
- KUBIAK, M., ROGALINSKI, K., and MICHA-LAK, J. Changes in physical and mechanical properties of poplar wood (*Populus marilandica* Bosc.) induced by the fungus *Poria vaporaria* (Pers./Fr.). 20 p. Ref. Transl. 13553  
Translation from Sylwan 106(3):25-38. 1962.
- \*KUCHAEVA, A. G., and others. Keratinase ac-tivity of Actinomycetes of the "fradiae" group. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 148(1/6): 156-158. July/Aug.1963. 511 P444Aeb  
S. D. Tapytkova, R. L. Gesheva, and N. A. Krasil'nikov, joint authors.
- \*KUDRIN, S. A. Average chemical composition of the principal soil groups of the European USSR by total analyses. *Soviet Soil Sci.* 5:424-428. Ref. May 1963. 57.8 P34Ae
- KUDRIN, S. A. Certain concepts in the study of fertilizers. 19 p. Ref. Transl. 13947  
Translation from *Agrobiologiya* 137(5):756-768. Sept./Oct.1962.
- \*KUDRINA, E. S., and MAKSIMOVA, T. S. Some species of thermophilic Actinomycetes from the soils of China and their antibiotic proper-ties. *Microbiology* 32(4):532-538. Ref. Jan./Feb.1964. 448.3 M582Ae
- \*KUDZIN, YU. K., and YAROSHEVICH, I. V. The use of phosphorobacterin in the Chernozem zone. *Microbiology* 31(6):889-891. Ref. May/June 1963. 448.3 M582Ae
- KUEHLMANN, G. Investigation of the thermal properties of wood and particleboard in depend-ency from moisture content and temperature in the hygroscopic range. 23 p. Ref. Transl. 13554  
Translation from *Holz als Roh- und Werk-stoff* 20(7):259-270. 1962.
- KUHL, K. E., and BOHM, R. Activation of hy-drolysis lignin. 15 p. Ref. Transl. 13346  
Translation from *Holzforschung* 16(2):47-55. Apr.1962.
- \*KUKAIN, R. A., and YAKOBSON, YU. O. Au-gust Martynovich Kirkhenshtein (on his 90th birthday). *Microbiology* 31(6):920-922. May/June 1963. 448.3 M582Ae
- \*KULAKOV, YE. V., and GROMYKO, I. D. Physical properties and water regime of the Chernozem soils of Kokchetav Oblast (Virgin Land Province). *Soviet Soil Sci.* 10:1166-1173. Oct.1962. 57.8 P34Ae
- KULAWINSKI, K. Major investment trends in agricultural education. U. S. Joint P. Res. Serv. Trans. *East European Agr. Forestry & Food Indus.* 207:10-21. Nov.6,1963. 173 J663Ste  
Translation from *Nowe Rolnictwo* 17:12-14. Oct.1/15,1963.
- \*KULESHOV, N. N., and MARCHENKO, L. A. Method for studying the corn root system. *Soviet Plant Physiol.* 9(5):503-506. Mar./Apr. 1963. 450 F58Ae
- KULESKO, I. I., and SHIKOV, A. T. Group vaccination of piglets with combined vaccine against hog cholera and erysipelas. 7 p. Transl. 13410  
Translation from *Veterinariya* 7:26-30. July 1963.
- KULIKOV, Y. A., and MALINOVSKAYA, T. V. Pressing profiled parts from machine chips. 3 p. Transl. 13322  
Translation from *Lesn. A., Arkhangel'sk* 5 (3):128-131. 1962.
- KUNC, J. Advantages of the 1964 concentra-tion in crop farming. U. S. Joint P. Res. Serv. Transl. *East European Agr. Forestry & Food Indus.* 203:10-15. Oct.17,1963. 173 J663Ste  
Translation from *Ekonomika Zemelstvi* 2(9):262-263.
- KUNCHEV, T. Certain basic economic re-quirements in agricultural specialization. U. S. Joint P. Res. Serv. Transl. *East European Forestry & Food Indus.* 209:1-38. Nov.12,1963. 173 J663Ste  
Translation from *Izvestiya Na Visshiya Insti-tut Za Narodno Stopanstvo "Dimitur Blagoev"* - Varna 2:33-52. Apr./June 1963.
- KUNCHEV, T., and ZHIVIN, G. Planning the purchasing of products of animal origin from collective farms. U. S. Joint P. Res. Serv. Transl. *East European Agr. Forestry & Food Indus.* 214:20-43. Dec.10,1963. 173 J663Ste  
Translation from *Izvestiya Na Visshiya Insti-tut Za Narodno Stopanstvo "Dimitur Blagoev"* - Varna 1:46-58. Jan.-Mar.1963.
- KUNG, W. H. Collection, sale and purchase of wild plants and nuts in Kirin Province. U. S. Joint P. Res. Serv. Transl. *Communist China's Trade, Finance, Transportation & Commun.* 74: 148-149. Dec.12,1963. 173 J663Tcc  
Translation from *Ta Kung Pao*, Oct.21,1963:1.
- KUO, C. C. Incidence of cotton diseases and methods of prevention. U. S. Joint P. Res. Serv. Transl. *Communist China's Agr. Anim. Husb. & Mater.* 54:8-21. Aug.1,1963. 173 J663Trc  
Translation from *Jen-min Jih-pao*, May 28, 1963:5.
- KUO, W. C. Natural resources of southwest China investigated by Academia Sinica. U. S. Joint P. Res. Serv. Transl. *Communist China's Agr. Anim. Husb. & Mater.* 91:68-70. Mar.13, 1964. 173 J663Trc  
Translation from *Kuang-ming Jih-pao* Feb.1, 1964:1.
- K'UO, Y. T. Production loans granted by banks in Hopeh and Shantung. U. S. Joint P. Res. Serv. Transl. *Communist China's Trade Fi-nance, Transportation & Commun.* 64:58-61. Oct.14,1963. 173 J663Tcc  
Translation from *Ta Kung Pao*, Sept.4,1963:2.
- KUPRIANOFF, J. The question of pasteuriza-tion of eggs and egg products. 20 p. Transl. 13495  
Translation from *Deutsche Lebensmittel-Rundschau* 53(10):221-227. 1957.
- KURAKINA, L. I. Effect of fertilizers on the growth and development of larch seedlings. 5 p. (OTS 63-11188) Transl. 13690  
Translation from *Botanicheskii Zhurnal* 42(1): 68-72. 1957.
- \*KURNAKOV, V. N. New species of the tribe Deltomerini (Coleoptera, Carabidae) from China. *Ent. Rev.* 42(2):226-227. Apr./June 1963. 421 R322Ae
- KUSHNER, KH. F., and others. Radiobiological research in poultry breeding. 12 p. Ref. Transl. 13679  
I. G. Kostin, A. Ya. Dobrynina, L. A. Zubare-va, N. I. Kuznetsov, L. I. Shershunova, and M. G. Salgannik, joint authors.  
Translation from *Vestnik Sel'skokhozyai-stvennoi Nauki* 9:72-80. Sept.1963.
- \*KUTAN, J. Formation of pimaric acid from *Pinus silvestris* L. colophony. *J. Appl. Chem. USSR* 36(5):1095-1097. Ref. May 1963. 385 Z64Ae
- \*KUTYURIN, V. M., and KNYAZEY, V. P. Wa-ter content of chlorophylls a and b. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 149(1/6):296-298. Ref. Sept./Oct.1963. 511 P444Aeb
- KUZIN, A. M., and LEBEDEVA, N. E. Effect of chorionic gonadotropin on some oxidation processes in animal tissues. *Fed. Amer. Soc. Expt. Biol. Fed. Proc.* 22(5,pt.2):T961-T963. Ref. Sept./Oct.1963. 442.9 F31P  
Translation from *Problemy Endokrinologii i Gormonoterapii* 9(1):34. 1963.



- \*KUZ'MIN, V. A. A case of occurrence of salinized soil under a forest. *Soviet Soil Sci.* 1:101-104. Jan.1962. 57.8 P34Ae
- \*KUZNETSOV, G. A. An economic appraisal of lands in connection with the organization of lands on state farms of the virgin lands. *Soviet Geog. Rev. & Transl.* 4(9):10-15. Nov. 1963. 331.8 So8
- \*KUZNETSOV, V. D. Occurrence of Actinomycetes in Transcarpathian soils. *Microbiology* 32(3):426-433. Ref. Nov./Dec.1963. 448.3 M582Ae
- \*KUZNETSOV, V. I. New Palearctic species of leafrollers of the genus *Laspeyresia* (Lepidoptera, Tortricidae). *Ent. Rev.* 41(3):387-397. July/Sept.1962. 421 R322Ae
- \*KUZNETSOVA, I. A. Factors producing the onset of diapause in *Pectinophora malvella* Hb. (Lepidoptera, Gelechiidae). *Ent. Rev.* 41(3):313-316. July/Sept.1962. 421 R322Ae
- KVAPIL, K., and NEMEC, A. The influence of pure spruce and beech stands and mixed stands of both species on forest soils. 36 p. Ref. *Transl.* 13828  
Translation from *Zeitschrift fur Forst- und Jagdwesen* 57(4):193-231. 1925.
- \*KVARATSKHELIYA, M. T. The advantages of using bacterial fertilizers. *Microbiology* 31(6):892-895. May/June 1963. 448.3 M582Ae
- KWASIEBORSKI, J. A draft outline of a long term plan for the development of cattle breeding in the years 1963-1970. U. S. Joint P. Res. Serv. *Transl. East European Agr. Forestry & Food Indus.* 237:1-14. Apr.6,1964. 173 J663Ste  
Translation from *Nowe Rolnictwo* 3:3-7. Feb.1/15,1964.
- KWASIEBORSKI, S. Unused wheat production possibilities. U. S. Joint P. Res. Serv. *Transl. East European Agr. Forestry & Food Indus.* 123:10-20. Feb.21,1963. 173 J663Ste  
Translation from *Przegląd Zbozowo-Młynarski* 12:349-351. Dec.1962.
- \*LADENKOV, V. Material incentives to stimulate the improvement of the skills of workers in agriculture. *Prob. Econ.* 6(4):8-15. Aug. 1963. 280.8 V89Ae
- \*LADYGINA, M. E. Toxic effect of fraction of organic acids synthesized by *Botrytis cinerea*. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 147(1/6):1429-1431. Ref. May/June 1963. 511 P444Aeb
- \*LAGUTENKO, YU. P. Functional anatomy of the mouth parts of the chicken mite *Dermanyssus gallinae* Redi, 1674 (Gamasoidea, Dermanyssidae). *Ent. Rev.* 41(4):513-519. Ref. Oct./Dec.1962. 421 R322Ae
- \*LAKTIONOV, B. I. Nature of the high dispersity of solonchic soils and methods for their chemical melioration. *Soviet Soil Sci.* 6:635-642. Ref. June 1962. 57.8 P34Ae
- LALIK, J. Slow development of JRD's in the central Slovak kraj. U. S. Joint P. Res. Serv. *Transl. East European Agr. Forestry & Food Indus.* 191:1-11. Aug.27,1963. 173 J663Ste  
Translation from *Hospodarske Noviny* 7(28):8. July 12,1963.
- LANG, R. Larch growth and soil. 19 p. *Transl.* 13829  
Translation from *Forstliche Wochenschrift Silva* 21(30):233-240; (37):289-296. 1933.
- LANGE, J., and KUENKEL, K. Chemical weed control in lupine seed cultivation. U. S. Joint P. Res. Serv. *Transl. East European Agr. Forestry & Food Indus.* 175:18-23. June 20, 1963. 173 J663Ste  
Translation from *Die Deutsche Landwirtschaft* 14(5):233-236. May 1963.
- LANTELME. Problems of natural reproduction and their solution. 20 p. *Transl.* 13830  
Translation from *Der Deutsche Forstbeamte* 1(23):342-347; (24):364-367. 1933.
- \*LARIN, P. A. Air permeability of frozen soils as a function of autumn plowing and moisture. *Soviet Soil Sci.* 2:158-163. Ref. Feb.1963. 57.8 P34Ae
- \*LASSOTA, Z. The action of  $\gamma$ -rays on eggs, larvae and pupae of *Bombyx mori*. *Acta Biochim. Polon.* 10(4):379-386. May 1963. 385 Ac85Ae
- LAVAUDEN, L. The colonial forest problem. 12 p. *Transl.* 13831  
Translation from *Revue des Eaux et Forets* 68:92-100. 1930.
- LAWNICZAK, M., and RACZKOWSKI, J. A study of desorption stresses developed during the shrinkage of certain tropical woods perpendicular to the grain. 7 p. *Transl.* 13232  
Translation from *Bois et Forets des Tropiques* 82:53-58. Mar./Apr.1962.
- LAZAR, G. Introduction of new technology into forest work during the people's regime. U. S. Joint P. Res. Serv. *Transl. East European Forestry & Food Indus.* 204:46-56. Oct.28, 1963. 173 J663Ste  
Translation from *Revista Padurilor* 78:429-430. Aug.1963.
- LAZAREV, N. P. A case of malignant form of the foot-and-mouth disease. 3 p. *Transl.* 13353  
Translation from *Veterinariya* 3:28. Mar. 1963.
- LAZAREV, P. S., and others. Malignant course of foot-and-mouth disease. 5 p. *Transl.* 14016  
A. I. Fedorov, F. N. Bukhtiliv, and I. N. Kamynin, joint authors.  
Translation from *Veterinariya* 5:39-43. May 1964.
- LE, Q. T. Early experiences of the movement of increasing agricultural production. U. S. Joint P. Res. Serv. *Trans. No. Vietnam's Econ.* 90:1-13. Mar.11,1964. 173 J663Trn  
Translation from *Hoc Tap* 12:41-47. Dec. 1963.
- \*LEBEDEV, G. V., SABININA, E. D., and CHUCHKIN, V. G. The state of water in plant cells and mobility of colloid-and crystal-bound water. *Soviet Plant Physiol.* 10(1):84-86. July/Aug.1963. 450 F58Ae
- \*LEBEDEV, P. V. Effect of nitrogen and light intensity on correlative relationship during growth of roots and shoots of meadow grasses. *Soviet Plant Physiol.* 10(3):294-299. Ref. Nov./Dec.1963. 450 F58Ae
- \*LEBEDEVA, I. I., and SEMINA, YE. V. Nature of the water and thermal regime of Chernozems in the Onon River valley in the Trans-Baikal. *Soviet Soil Sci.* 2:145-152. Ref. Feb.1963. 57.8 P34Ae
- \*LECH, W., and REIFER, I. Pectinase inhibitor in red currant leaves. *Acta Biochim. Polon.* 10(4):449-454. 1963. 385 Ac85Ae
- LEFEVE, R. Preservation treatment with polyethylene glycol of a wooden Roman bucket dug up at Wommel. 7 p. *Transl.* 13474  
No source of translation given.
- LEHMANN, P. Technical agricultural measures from the viewpoint of agricultural meteorology. 8 p. *Transl.* 13832  
Translation from *Fortschritte der Landwirtschaft* 5(23):797-800. 1930.
- LEIBUNDGUT, H. Silvicultural methods of achieving increasing forest yields. 8 p. *Transl.* 13630  
Translation from *Schweizerische Zeitschrift fur Forstwesen* No. 28, 1957.
- LEMAN, V. M., FANTALOV, O. S., and CHECHAEVA, L. L. The zenon lamp as a source of light for plants. 7 p. *Transl.* 13634  
Translation from *Moskov. Ordena Lenina Sel'skokhozyaistvennaya Akademiya im. K. A. Timiryazeva. Doklady* 70:93-99. 1961.
- \*LEMESHEV, M. Improvement of production ties between agriculture and industry. *Prob. Econ.* 6(10):27-33. Feb.1964. 280.8 V89Ae
- LEMESHEV, M. Improving the material and technical basis in agriculture. U. S. Joint P. Res. Serv. *Transl. Soviet Agr.* 17:43-54. Oct.7,1963. 173 J663Tso  
Translation from *Ekonomika Sel'skogo Khozyaistva* 7:8-17. July 1963.



LEONHARD, I. Changes in iodine value of cow's milk. p. 29-32. (OTS 60-21571) Transl. 13219

Translation from *Roczniki Nauk Rolniczych*. Ser. B, 74(2):375-378. 1959.

LEONT'EV, A. I. Detection methods of the tularemia pathogen in feeds. 10 p. Transl. 13309

Translation from *Veterinariya* 5:64-67. May 1963.

LEONTIEVSKII, N. P. The role of shelterbelt planting in raising the agricultural yield. 15 p. Transl. 13833

Translation from *Zhurnal Geofiziki* 4(1):127-140. 1934.

LEOPOLD, A. After the 1962 harvest. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 128:63-86, map. Mar. 7, 1963. 173 J663Ste

Translation from *Gospodarka Planowa* 12:1-6. Dec. 1962.

LERCHE, M., and LINKE, H. Experiments for the destruction of *Salmonella* in liquid egg yolk by means of sorbic acid. 12 p. Ref. Transl. 13442

Translation from *Archiv fur Lebensmittel-hygiene* 9(6):121-126. 1958.

LERCHE, M. Occurrence and destruction of *Salmonella* bacteria in dried egg white. 8 p. Transl. 13443

Translation from *Archiv fur Lebensmittel-hygiene* 8:267-270. 1957.

\*LERER, A. Z., and PLUGAR, S. G. A contribution to the study of the tachinid flies (Diptera, Larvaevoridae) that are parasites of oak pests in Moldavia. *Ent. Rev.* 41(2):219-222. Ref. Apr./June 1962. 421 R322Ae

LESZCZYNSKA, J. Contracting of agricultural crops in 1963-64. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 207:1-9. Nov. 6, 1963. 173 J663Ste

Translation from *Nowe Rolnictwo* 17:55-56. Oct. 1/15, 1963.

LEVYKIN, N. N. Comprehensive mechanization: basis of agricultural development. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 23:10-22. Feb. 4, 1964. 173 J663Tso

Translation from *Mekhanizatsiya i Elektrifikatsiya* 5:1-6. 1963.

LEWICKI, S., RUSZKOWSKI, M., and RUSZKOWSKA, B. Causes of poor fructification of buckwheat. III. Influence of various cultivation operations on the fructification of buckwheat. 18 p. (OTS 61-11396) Transl. 13531

Translation from *Hodowla Roslin, Aklimatyzacja i Nasiennictwo* 2(5):587-601. 1958.

LEWICKI, S., and RUSZKOWSKI, M. Investigations on the transmutation of biotypes in wheat. III. 12 p. (OTS 61-11397) Transl. 13532

Translation from *Hodowla Roslin, Aklimatyzacja i Nasiennictwo* 3(3):321-334. 1959.

LEWICKI, S., and RUSZKOWSKI, M. Studies on buckwheat. Part I. Germination biology of buckwheat (*Fagopyrum esculentum*). 24 p. Ref. (OTS 61-11399) Transl. 13534

Translation from *Hodowla Roslin, Aklimatyzacja i Nasiennictwo* 2(1):67-87. 1958.

LEWICKI, S., RUSZKOWSKA, B., and RUSZKOWSKI, M. Studies on buckwheat. Part VI. Variability of yields within various buckwheat varieties and populations. 8 p. (OTS 61-31253) Transl. 13533

Translation from *Hodowla Roslin, Aklimatyzacja i Nasiennictwo* 2(4):561-565. 1958.

LEWICKI, S., RUSZKOWSKI, M., and KASZLEJ, Z. Studies on buckwheat. IX. Grain and green forage yields as depending on 10 different seedling times. 11 p. (OTS 61-11398) Transl. 13321

Translation from *Hodowla Roslin, Aklimatyzacja i Nasiennictwo* 3(2):195-206. 1959.

LI, C. H. Utilization of hybrid superiority. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 32:8-17. Mar. 13, 1963. 173 J663Trc

Translation from *Jen-min Jih-pao*, Jan. 8, 1963:5.

LI, P. S. To hold down sands by planting. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 32:34-36. Mar. 13, 1963. 173 J663Trc

Translation from *Kuang-ming Jih-pao*, Jan. 7, 1963:2.

LI, T. J. Soil moisture movement in North China, and measures for resisting drought and protecting ground moisture. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 38:27-35. Apr. 9, 1963. 173 J663Trc

Translation from *Jen-min Jih-pao*, Feb. 19, 1963:8.

LIANG, Y. Further improve supply of agricultural capital goods to support agricultural production and to consolidate the collective economy of the people's communes. *Communist China Digest* 99:50-56. Aug. 9, 1963. 208.8 C735

Translation from *Kung-jen Jih-pao*, Feb. 12, 1963.

\*LICHMANOVA, A. I. Some properties of Light-Gray Forest soil separates. *Soviet Soil Sci.* 6:618-627. Ref. June 1962. 57.8 P34Ae

LIEFMANN, R. The theory and relations of national, private, and forest economy. 40 p. Transl. 13834

Translation from *Zeitschrift fur Forst- und Jagdwesen* 57(3):140-180. 1925.

LIESE, W. The natural durability of native and tropical wood species against soft rot. 19 p. Ref. Transl. 13556

Translation from *Deutsche Gesellschaft fur Holzforschung. Mitteilug* 48:18-28. 1961.

\*LIGUM, S. T. Duration of the residual effect of basal fertilization in a crop rotation on soil fertility, chemical composition, and yield of sugar beets. *Soviet Soil Sci.* 7:677-684. July 1962. 57.8 P34Ae

LIIRI, O. Investigations of long-term moistening of chipboards and the effect of moisture changes on their properties. 8 p. Transl. 13233

Translation from *Papper och Tra* 12:737-748. 1961.

LIIRI, O., and HAAVISTO, S. Study of the significance of prepressing in the manufacture of particle board. 8 p. Transl. 13472

Translation from *Paperi ja Puu* 44(9):433-438. 1962.

LIKHACHEV, N. V., ORLOV, S. D., and SHE-MANOVA, G. F. Experiments on obtaining foot-and-mouth disease vaccine from a virus cultivated on tissue culture. 5 p. Transl. 13352

Translation from *Veterinariya* 3:64-65. Mar. 1963.

LIN, C. The industry of food and oil producing trees. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 28:89-95. Feb. 12, 1963. 173 J663Trc

Translation from *Chung-kuo Lin-yeh* 3:19-21. 1962.

LIN, H. Afforestation changes the economic appearance of Tien-pai Hsien, Kwangtung.

U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 39:27-31. Apr. 17, 1963. 173 J663Trc

Translation from *Jen-min Jih-pao*, Feb. 17, 1963:2.

LINDNER, A., BRANDL, M., and WYLER, E. New methods to prevent game damage. 17 p. Ref. Transl. 13320

Translation from *Allgemeine Forstzeitung* 67:233-237. 1956.

\*LINEVICH, A. A. On the taxonomy of the genus *Corynocera* Zett. (Diptera, Tenebrionidae). *Ent. Rev.* 41(1):116-120. Ref. Jan./Mar. 1962. 421 R322Ae

\*LITVINENKO, V. I., MAKSYUTINA, N. P., and KOLESNIKOV, I. G. Flavonoid compounds of the licorice of the licorice plant *Glycyrrhiza glabra* L. *J. Gen. Chem. USSR* 33(1):289-292. Ref. Jan. 1963. 385 Z6Ae

LITVINOV, M. A., and YANISHEVSKII, F. V. Determination of losses of anhydrous ammonia in its application to the soil. 6 p. Transl. 13952

Translation from *Vestnik Sel'skokhozyaistvennoi Nauki* 7(3):144-148. Mar. 1962.

- LIU, H. J. On credit and production. U. S. Joint P. Res. Serv. Transl. Communist China's Trade, Finance, Transportation & Commun. 64:1-17. Oct. 14, 1963. 173 J663Tcc  
Translation from Ta Kung Pao, Aug. 26, 1963: 3.
- LIU, J. H. Agricultural modernization and state industrialization. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 57:1-10. Aug. 27, 1963. 173 J663Trc  
Translation from Ta Kung Pao, July 15, 1963: 3.
- LIU, J. H. A discussion of certain problems on the realization of agricultural modernization in China. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 55:1-20. Aug. 2, 1963. 173 J663Trc  
Translation from Kung-jen Jih-pao, June 20, 1963: 5.
- LIU, Y. Reforestation must follow objective laws. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 63: 19-29. Oct. 8, 1963. 173 J663Trc  
Translation from Jen-min Jih-pao, Aug. 27, 1963: 5.
- \*LIVEROVSKIY, YU. A., and ROSLIKOVA, V. I. Genesis of some meadow soils in the Maritime Territory. Soviet Soil Sci. 8:814-823. Ref. Aug. 1962. 57.9 P34Ae
- LO, T. Y. The significant contribution of forests to developing agriculture. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 47:1-11. June 20, 1963. 173 J663Trc  
Translation from Jen-min Jih-pao, Apr. 30, 1963: 5.
- LO, Y. C. How the Red October People's Commune improved the quality of its sheep. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 68:35-43. Oct. 30, 1963. 173 J663Trc  
Translation from Min-tsu T'uan-chieh 61:38-40. June 1963.
- LOBANOV, K. P., and EPIFANOV, G. F. Eradication of hog cholera in Omsk Oblast. 2 p. Transl. 13399  
Translation from Veterinariya 7:25-26. July 1963.
- \*LOBOVA, YE. V. Some data on U.S. soils between Madison (Wisconsin) and San Francisco. Soviet Soil Sci. 8:842-851. Ref. Aug. 1962. 57.8 P34Ae
- \*LOBZHANDZE, E. D. The influence of vertical zoning on cambial activity in arboreal plants. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1421-1422. May/June 1963. 511 P444Aeb
- LOCKHOFF, K. H. Communal property—an important index in every LPG. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 144:1-14. Apr. 16, 1963. 173 J663Ste  
Translation from Deutsche Finanzwirtschaft 3:F15-F17. Feb. 1963.
- \*LOGINOVA, L. G., and others. A study of the thermophilic microflora of Mount Yangan-Tau in the southern Urals. Microbiology 31(6):877-880. Ref. May/June 1963. 448.3 M582Ae  
A. E. Kosmachev, R. S. Golovacheva, and L. M. Seregina, joint authors.
- \*LOMAGIN, A. G. Effect of heat adaptation on the resistance of plant cells to sodium azide. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6): 1274-1276. Ref. May/June 1963. 511 P444Aeb
- LOMEJKO, S. Black pigmentation of wheat spikes and its effect on the vegetative and biological characteristics of certain lines. 22 p. Ref. (OTS 60-21694) Transl. 13694  
Translation from Radovi Naucnog Drustva Bosne i Hercegovine 11(2):75-95. 1958.
- LOMEJKO, S. A contribution to the study of indigenous populations of common wheat (*Triticum vulgare* Vill.) in P. R. Bosnia and Hercegovina. 16 p. Ref. (OTS 60-21693) Transl. 13693  
Translation from Radovi Naucnog Drustva Bosne i Hercegovine 5(1):131-141. 1955.
- \*LOPATIN, V. D. The problem of the interrelations between genotypes of edicator plants and their ranges. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 148(1/6):238-239. July/Aug. 1963. 511 P444Aeb
- LORENZ, W. M. D. About the question of Salmonella in preserved egg products. 8 p. Transl. 13444  
Translation from Tierarztliche Monatsschrift 48(6):448-453. 1961.
- LOSONCZI, P. Present stage and tasks of Hungarian agriculture after the 8th Congress of the Hungarian Socialist Workers' Party. Hungarian Agr. Rev. 12(2):1-4. 1963. 241 H89  
Translation from Tarsadalmi Szemle 2:27-36. 1963.
- LOW, C. H. Transmission of excitation by electric current in plants. 10 p. Ref. (OTS 63-11035) Transl. 13823  
Translation from Zhurnal Obshchei Biologii 19(5):329-337. 1958.
- \*LOZINA-LOZINSKII, L. K. The resistance of insects to ultra-low temperatures. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1401-1403. May/June 1963. 511 P444Aeb
- \*LOZINOV, A. B., and ERMACHENKO, V. A. The physiological role of cytochrome in nitrite bacteria. Microbiology 31(6):788-793. May/June 1963. 448.3 M582Ae
- LU, F. H. Utilization and improvement of laterite. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 82: 50-53. Jan. 15, 1964. 173 J663Trc  
Translation from Jen-min Jih-pao, Dec. 5, 1963: 5.
- LU, J. K., YU, T. J., and YAO, W. H. The influence of liming on the effectiveness of phosphorus fertilizers in red soil. 24 p. Ref. Transl. 13995  
Translation from T'u-jang Hsueh-pao July 1956:143-157.
- \*LUBOV Petrovna Belyakova. Soviet Soil Sci. 10:1205-1206. Oct. 1962. 57.8 P34Ae
- LUGOSI, J. The role of mechanization and automation in raising productivity in the food industry. U. S. Joint P. Res. Serv. [Transl.] Agr. Forestry & Fishing Hungary 60:41-60. Oct. 7, 1963. 173 J663Agf  
Translation from Elemezési Ipar 17(5):137-144. May 1963.
- LUGOVOI, A. V. Silvicultural methods of combating the June beetle in the mixed forests of the Buzuluk range belonging to the Volga experiment station of the "Vnillami." 24 p. Transl. 13837  
Translation from the All-Union Research Institute for Silviculture and Improvement of Farmlands by Forestation (Vnillami). Experiments and Observations 1:58-76. 1933.
- LUKANOV, K. The quality of sugar beets and its effect on economic indicators in the sugar factories. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 131:27-47. Mar. 19, 1963. 173 J663Ste  
Translation from Planovo Stopanstvo i Statistika 1:31-42. Jan. 1963.
- LUKIN, A. M. The role of Ixodes ticks in foot-and-mouth disease (FMD) epizootiology. 4 p. Transl. 13425  
Translation from Veterinariya 11:28-30. Nov. 1963.
- \*LUK'YANCHENKO, A. A., BADALOV, M. E., and KOIMCHIDI, E. K. The effect of southwest winds on the occurrence and spread of tularemia in the Don Delta focus. J. Microbiol. Epidemiol. & Immunobiol. 32(5):845-853, map Ref. 1961, pub. 1962. 448.3 Z4Ae
- \*LUPINOVICH, I. S., and KULAKOVSKAYA, T. N. Phosphorus fertilizers in relationship to the chemical properties of sod-podzolic medium clay loams. Soviet Soil Sci. 11:1231-1236. Ref. Nov. 1962. 57.8 P34Ae
- LUTKOVA, I. N., OLESHKO, P. M., and BYSENKO, D. M. Effect of high-voltage on rooting of grape cuttings. 2 p. Transl. 14024  
Translation from Vinodelie i Vinogradarstvo SSSR 3:52. 1962.



- LUTSENKO, A. Communal livestock raising. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 17:24-42. Oct. 7, 1963. 173 J663Tso  
Translation from Vestnik Statistiki 7:17-27. July 1963.
- LYBERG, B. Some aspects of the future of the Swedish pulp industry. 5 p. Transl. 13996  
Translation from Norsk Skogindustri 15(3): 119-122. 1961.
- LYR, H. Wood decomposition by fungi. 15 p. Ref. Transl. 13471  
Translation from Archiv fur Forstwesen 10 (4/6):615-626. 1961.
- \*LYUTOVA, M. I. The stability of the bond between chlorophyll and protein in plants with a raised heat resistance. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 149(1/6):532-534. Ref. Sept./Oct. 1963. 511 P444Aeb
- MA, C. K. Select and develop oil producing trees. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 28: 96-102. Feb. 12, 1963. 173 J663Trc  
Translation from Chung-kuo Lin-yeh 3:20-22.
- MA, C. L. Enhance the value of work points for agricultural labor. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 54:22-30. Aug. 1, 1963. 173 J663Trc  
Translation from Kuang-ming Jih-pao, May 27, 1963:4.
- MA, C. L. On increasing labor productivity and reducing costs in agriculture. Communist China Digest 102:64-70. Sept. 30, 1963. 280.8 C735  
Translation from Kuang-ming Jih-pao. May 27, 1963.
- MACIEJEWSKA, K. Prospects in the meat industry. U. S. Joint P. Res. Serv. Transl. East. European Agr. Forestry & Food Indus. 139:68-87. Apr. 1, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 23:41-46. Dec. 1962.
- MAEBASHI, K. Studies on selective hydrogenation of fatty oils and catalysts. I. Studies on hydrogenation with the kw-type and adkins catalysts. 12 p. Ref. Transl. 13631  
Translation from Yukagaku 11(2):60-64. 1962.
- MAEBASHI, K., and YANO, M. Studies on selective hydrogenation of fatty oils and catalysts. II. Studies on copper catalysts. 14 p. Transl. 13632  
Translation from Yukagaku 11(2):54-60. 1962.
- MAEBASHI, K., and YANO, M. Studies on selective hydrogenation of fatty oils and catalysts. III. Stability comparison of selectively hydrogenated fatty oils. 14 p. Transl. 13633  
Translation from Yukagaku 11(1):19-24. 1962.
- MAGYAR, P. The phyto-sociological bases for the forestation of sandy areas. 23 p. Transl. 13840  
Translation from Erdeszeti Kiserletek 35(3): 199-227. 1933.
- MAGYAR, P. Root studies in plant gardens and on Szik soils. 13 p. Transl. 13839  
Translation from Erdeszeti Kiserletek 31: 229-243. 1929.
- MAINARD, I. B., and ZELIOLI, A. On the subject of pigmentation of the skin and tarsus in fowls. 5 p. Transl. 14038  
Translation from Zootechnia e Veterinaria 13 (9):340-343. 1958.
- MAJDAK, J. Development of the economy of agricultural producer cooperatives in 1959-1961. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 131:48-59. Mar. 19, 1963. 173 J663Ste  
Translation from Gospodarka Planowa 1:39-42. 1963.
- MAJDAK, J. Organizational-economic development of agricultural circles. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 123:27-55. Feb. 21, 1963. 173 J663Ste  
Translation from Gospodarka Planowa 9/10: 51-56. Sept./Oct. 1962.
- \*MAKAROV, B. N. Air content and aeration of humus-peat soils. Soviet Soil Sci. 2:194-199. Ref. Feb. 1962. 57.8 P34Ae
- \*MAKAROV, B. N., IGNATOVA, V. P., and KHODAKOVA, R. N. Decomposition of certain organic materials in sod podzolic soil. Soviet Soil Sci. 12:1374-1378. Ref. Dec. 1962. 57.8 P34Ae
- MAKAROV, N. L., and others. Incidence and prevention of anthrax in the Ciscaucasian and Transcaucasian Republics. 9 p. Transl. 13635  
N. A. Saleev, M. G. Akhundov, A. S. Zyuzin, A. F. Nadzhafov, T. P. Perepelkina, O. N. Odinichenko, Yu. I. Dzebizashvili, M. M. Chkonniya, V. N. Zil'fyan, and A. G. Mnatsakanyan, joint authors.  
Translation from Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii 33(9):105-111, 1962.
- \*MAKHONINA, G. I., and others. Distribution of Sr<sup>90</sup> and Ru<sup>106</sup> in the main organs of pine. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 151(1/6): 1085-1086. Jan./Feb. 1964. 511 P444Aeb  
P. I. Yushkov, M. Ya. Volkova, and N. V. Timofeev-Resovskii, joint authors.
- MAKOVSKII, M. V. Study of field moisture capacity of peat soils of the BSSR when irrigated by sprinkling. 13 p. (OTS 63-11019) Transl. 13507  
Translation from Akademiya Nauk Beloruskoi SSR. Institut Melioratsii, Vodnogo i Bolotnogo Khozyaistva. Trudy 8:142-154. 1958.
- MAKSIMOVIC, M. The action of abiotic factors on gypsy moth population in the forest Jakovacki Kljuc in 1958. p. 3-10. (OTS 60-21662) Transl. 13255  
Translation from Zastita Bilja 52/53:37-44. 1959.
- MALYAVKINA, V. S. The spores and pollen of the Lower Cretaceous of the eastern Gobi depression. 29 p. Transl. 13986  
Translation from All-Union Scientific Research Institute for Oil and Geologic Exploration (VNIGRI). Transactions 119:3-19. 1958.
- \*MALYSHEVA, M. S. The pine looper (Bupalus piniarius L.-Lepidoptera, Geometridae) and its natural enemies under the conditions in the Saval forest (Voronezh Region). Ent. Rev. 41 (3):326-332. Ref. July/Sept. 1962. 421 R322Ae
- \*MAMAEV, B. M. Gall midges of the USSR. 2. The tribe Micromyini (Diptera, Itonididae). Ent. Rev. 42(2):239-247. Apr./June 1963. 421 R322Ae
- MANAFOV, I. I., and BABOSHINA, N. A. Epizootology of foot-and-mouth disease (FMD) in the Azerbaijan SSR. 12 p. Transl. 13886  
Translation from Azerbaidzhanskii Nauchno-Issledovatel'skii Veterinarnyi Institut. Trudy 13:5-15. 1962.
- \*MANAKOV, K. N. Supply of nitrogen and ash elements with the leaf-fall in the forests of the Kola Peninsula. Soviet Soil Sci. 4:393-397. Ref. Apr. 1962. 57.8 P34Ae
- \*MANDEL'SHTAM, YU. E. The physiological mechanism influencing reaction of insects to organophosphorus compounds. Ent. Rev. 42(2): 182-185. Ref. Apr./June 1963. 421 R322Ae
- MANKA, K. Field and laboratory investigations on the honey fungus Armillaria mellea (Vahl) Quel. 87 p. Ref. (OTS 60-21235) Transl. 13318  
Translation from Warsaw. Instytut Badawczy Lesnictwa. Prace 94:1-96. 1953.
- \*MARCHENKO, A. N., and KARLOV, YE. M. Mineral exchange in spruce forests of the northern taiga and forest tundra in Arkhangelsk Oblast. Soviet Soil Sci. 7:722-734. Ref. July 1962. 57.8 P34Ae
- MARGHIDAN, N., and BIANU, I. Economic effectiveness of new technology in the mechanization of agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 198:21-52. Sept. 19, 1963. 173 J663Ste  
Translation from Probleme Economice 16(7): 49-53. July 1963.

- MARIAN, T. For a continued increase in the production of sugar beet. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 138:62-68. Mar. 29, 1963. 173 J663Ste  
Translation from *Scientia* 32(5808):1-2. Feb. 19, 1963.
- MARIANI, D. Reforestation of Monte Morello in the Province of Florence. 3 p. Transl. 13841  
Translation from *Bulletin de la Silva Mediterranea*, p. 56-63. 1924.
- \*MARKOVSKIY, P. I. On intraspecific relations of *Formica rufa* L. (Hymenoptera, Formicidae). *Ent. Rev.* 41(1):47-51. Jan./Mar. 1962. 421 R322Ae
- MARJAI, Z. Modernization of seed management. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 216:22-30. Dec. 31, 1963. 173 J663Ste  
Translation from *Erdo* 12(9):410-417. Sept. 1963.
- \*MARKELOVA, YE. M. Species of the genus *Edwardsiana* (Homoptera, Cicadelloidea, Eupterygidae)—apple pests in the USSR. *Ent. Rev.* 41(4):461-463. Oct./Dec. 1962. 421 R322Ae
- \*MARKIN, B. T. Synthesis of thiourea derivatives and determination of their activity as growth substance. *Soviet Plant Physiol.* 10(4):356-360. Jan./Feb. 1963. 450 F58Ae
- MARKOV, V. The key to the solution of the cereal problem. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 131:14-20. Mar. 19, 1963. 173 J663Ste  
Translation from *Kooperativno Zemedelie* 1:3-4. Jan. 1963.
- MARKOVIC, P. Agricultural production and socio-economic movements in the village. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 127:18-30. Mar. 5, 1963. 173 J663Ste  
*Poljoprivreda i Zadrugarstvo* 9(6):2-6. Nov. 1962.
- MARKOVIC, P. Agricultural production and socio-economic changes in the village. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 130:68-82. Mar. 11, 1963. 173 J663Ste  
Translation from *Poljoprivreda i Zadrugarstvo* 12:2-5. Dec. 1962.
- MARTI, F. Building of dams, afforestation and sodding in the basins of torrents. 13 p. Transl. 13842  
Translation from *Schweizerische Zeitschrift für Forstwesen*, p. 230-244. July 1920.
- MARTINI, Z., and PANTERA, B. The work of harrows on slopes. 4 p. (OTS 61-31258) Transl. 13317  
Translation from *Wroclaw. Wyzsza Szkola Rolnicza. Zeszyty Naukowe* 10(29):35-45. 1960.
- MARTINI, Z., PANTERA, B., and DROZD, M. The work of spring cultivators on slopes. 5 p. (OTS 61-31257) Transl. 13316  
Translation from *Wroclaw. Wyzsza Szkola Rolnicza. Zeszyty Naukowe* 9(25):127-134. 1959.
- \*MASHTAKOV, S. M., and VOLYNETS, A. P. The interaction of gibberellic acid and derivatives of phenoxyacetic acid in fiber flax plants. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 150(1/6):816-819. Ref. Nov./Dec. 1963. 511 P444Aeb
- \*MASLENNIKOVA, V. A., and ABUDAKIROV, N. K. Glycosides of plants of *Erysimum* species. III. *J. Gen. Chem. USSR* 33(6):2002-2003. June 1963. 385 Z6Ae
- MASYUK, N. P. The Protococcineae flora in some ponds of west-Ukrainian Polesie. 20 p. Ref. Transl. 13985  
Translation from *Ukrayins'kyi Botanichnyi Zhurnal* 16(1):87-98. 1959.
- \*MAYBORODA, N. M. Sampling soils in studying the dynamic of nutrients. *Soviet Soil Sci.* 7:773-774. July 1962. 57.8 P34Ae
- MAYER, E. Genus *Woodia* R. Br. in Yugoslavia. 16 p. Ref. (OTS 61-11241) Transl. 13638  
Translation from *Slovenska Akademija Znanosti in Umetnosti. Razprave* 5:5-22. 1959.
- \*MAZAYEVA, M. M., and NEUGODOVA, O. V. Trilonometric determination of available magnesium in soils deficient in adsorbed bases. *Soviet Soil Sci.* 7:759-762. July 1962. 57.8 P34Ae
- MEDARU, G. Raising the technical level of production in the dairy industry. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 117:34-45. Feb. 1, 1963. 173 J663Ste  
Translation from *Industria Alimentaria. Produce Animale*. 10(8):225-228. Aug. 1962.
- \*MEDVEDEV, L. N. A review of the leaf beetles of the genus *Antipa* (Coleoptera, Chrysomelidae) in the fauna of the USSR and neighboring countries. *Ent. Rev.* 41(3):379-385. July/Sept. 1962. 421 R322Ae
- \*MEDVEDEV, S. I., and LEVCHINSKAYA, G. N. Blister beetles (Coleoptera, Meloidae) or the different types of steppes on the left-bank Ukraine. *Ent. Rev.* 41(1):84-87. Jan./Mar. 1962. 421 R322Ae
- \*MEDVEDEV, S. I. New and little-known species of lamellicorn beetles (Coleoptera, Scarabaeidae) from central Asia. *Ent. Rev.* 41(3):368-378. July/Sept. 1962. 421 R322Ae
- MEDVEDEV, ZH. A. Modern theories of protein synthesis in plants. 18 p. Ref. Transl. 13984  
Translation from *Timiryazevskaya Sel'skokhozyaistvennaya Akademiya. Izvestiya. Biologiya* 2(27):57-74. 1959.
- MELCHIOR, G. H., and KNAPP, R. Effects of gibberellins on trees. 27 p. Ref. Transl. 13572  
Translation from *Silvae Genetica* 11(2):29-39. 1962.
- \*MELIKHOVA, YU. K. Thermal treatment of seeds and vernalization of yellow fodder lupines. *Soviet Plant Physiol.* 9(5):500-502. Mar./Apr. 1963. 450 F58Ae
- MELIN, E. Mycorrhiza. 33 p. Transl. 13368  
Translation from *Handbuch der Pflanzenphysiologie*, v. 9, p. 605-638.
- MELLSTROM, G. Seeding of forest trees in 1919. 20 p. Transl. 13843  
Translation from *Skogsvardsforeningens Tidsskrift* 18(1/2):21-45. 1920.
- \*MEL'NIK, B. D. The mineral fertilizer industry of the USSR. *J. Appl. Chem. USSR.* 35(10):2041-2048. Oct. 1962. 385 J64Ae
- \*MEL'NIKOV, N. N., and TRUNOV, P. P. From the field of organic insecticides and fungicides. LXVIII. *J. Gen. Chem. USSR* 32(12):3941-3943. Dec. 1962. 385 Z6Ae
- \*MEL'NIKOV, N. N., SHVETSOVA-SHILOVSKAYA, K. D., and LEBEDEVA, E. I. Herbicides and plant-growth regulators. XXXVIII. *J. Gen. Chem. USSR* 32(12):3882-3884. Ref. Dec. 1962. 385 Z6Ae
- \*MEL'NIKOV, N. N., KHASKIN, B. A., and SHVETSOVA-SHILOVSKAYA, K. D. Organic insectofungicides. LXX. Thione-thiol isomerization of some phosphorothioic and phosphorodithioic esters in their reaction with amines. *J. Gen. Chem. USSR* 33(8):2394-2398. Aug. 1963. 385 Z6Ae
- MENGSON, P. Our struggle for the consolidation and further improvement of state-operated reclamation farms and state farms. U. S. Joint P. Res. Serv. Transl. Chin. Farmers B. 1/2:1-11. Dec. 10, 1962. 173 J663Tfc  
Translation from *Chung-kuo Nung-pao* 1:2-8. 1962.
- \*MENKINA, R. A. Bacterial fertilizers and importance for agricultural plants. *Microbiology* 32(2):297-301. Ref. Sept./Oct. 1963. 448.3 M582Ae
- MERENDI, A. The problem of reforestation in the Mediterranean regions and the terracing system. 17 p. Transl. 13844  
Translation from *Atti della R. Accademia dei Georgofili* 11:190-215. 1933.
- MERTEN, The deficit of the Prussian State forest administration and the requirements of management. 13 p. Transl. 13845  
Translation from *Zeitschrift für Forst- und Jagdwesen* 64:167-170. 1932.



MERTENS, H. Experiences in the non-felting treatment of wool. 17 p. Transl. 13639

Translation from *Melliand Textilberichte* 5: 517-520. 1963.

\*MESHCHERYAKOV, A. M. Decomposition of soils with sulfuric and perchloric acids to determine nitrogen and phosphorus. *Soviet Soil Sci.* 5:488-492. May 1963. 57.8 P34Ae

\*METLITSKII, L. V., MUKHIN, E. N., and MOROZOVA, N. P. Biochemical nature of wound reactions and their application to the enhancement of resistance of potatoes to microorganisms. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 150(1/6):617-619. Ref. Nov./Dec.1963. 511 P444Aeb

MEYER, K. A. Some observations concerning the use of "rain cans" in studying the influence of forests upon water. 7 p. Transl. 13846

Translation from *Journal Forestier Suisse* 82:200-205. 1931.

\*MEZENTSEV, V. S. The natural moisture balance of the West Siberian Plain and the Lower Ob' problem. *Soviet Geog. Rev. & Transl.* 5(5): 24-33, map. Ref. May 1964. 331.8 So8

MICH, M. Position of industrial feed mixtures in the nation's feed economy. U. S. Joint P. Res. Serv. Transl. *East European Agr. Forestry & Food Indus.* 202:17-24. Oct.3,1963. 173 J663Ste

Translation from *Nowe Rolnictwo* 13:12-13. July 1/15,1963.

MICHALSKI, K. The status and requirements of sugar beet cultivation. U. S. Joint P. Res. Serv. Transl. *East European Agr. Forestry & Food Indus.* 205:15-28. Oct.29,1963. 173 J663Ste

Translation from *Nowe Rolnictwo* 14:3-5. July 16/31,1963.

MICHALSKI, S. Problems of market equilibrium in 1963. U. S. Joint P. Res. Serv. Transl. *East European Agr. Forestry & Food Indus.* 175:91-101. June 20,1963. 173 J663Ste

Translation from *Wiadomosci Narodowego Banku Polskiego* 19(4):153-157. Apr.1963.

MICHI, K., HASEGAWA, Y., and OUYE, K. Studies on dietary utilization of soybean meal. II. Trypsin inhibiting activity and nutritive value of soybean protein. 10 p. Ref. Transl. 13640

Translation from *Agricultural Chemical Society of Japan. Journal* 37(1):21-24. 1963.

MIESZCZANKOWSKI, M. On the development of agricultural circles. VII. Circles and other means. U. S. Joint P. Res. Serv. Transl. *East European Agr. Forestry & Food Indus.* 176:21-44. June 26,1963. 173 J663Ste

Translation from *Zycie Gospodarcze* 20:6. May 19,1963.

MIHAILOVIC, S. Agriculture in 1963. U. S. Joint P. Res. Serv. Transl. *East European Agr. Forestry & Food Indus.* 170:1-15. June 11, 1963. 173 J663Ste

Translation from *Poljoprivreda i Zadrugarstvo* 10(2):3-7. Feb.1963.

\*MIKHAILOVA, G. R., KRASNOPOL'SKAYA, K. D., and IL'INA, T. S. A cytologic study of actinophage-infected *Actinomyces olivaceus* cells. *Microbiology* 32(2):209-217. Ref. Sept./Oct.1963. 448.3 M582Ae

MIKHIN, S. D. Winter drought in relation to forest trees. I. Transpiration of buds and frost-resistance. 28 p. Transl. 13847

Translation from *Sibirskii Institut Sel'skogo Khozyaistva i Lesovodstva. Trudy* 10(1/6):123-145. [n.d.]

\*MIKHNOVSKIY, V. K., VYSOTSKAYA, P. N., and KOTOVA, L. V. Influence of organic fertilizers on humus formation and the nitrogen balance in sod podzolic clay loam. *Soviet Soil Sci.* 12:1369-1373. Dec.1962. 57.8 P34Ae

MILENKOVIC, T. Granting of credits by the Yugoslav Agricultural Bank for agricultural investments from the general investment fund in 1963. U. S. Joint P. Res. Serv. Transl. *East European Agr. Forestry & Food Indus.* 188:34-54. Aug.12,1963. 173 J663Ste

Translation from *Glasnik* 5:32-37. May 1963.

MILENKOVIC, T. C. The crediting of agricultural investments through communal banks has not yet given the expected results. U. S. Joint P. Res. Serv. Transl. *East European Agr. Forestry & Food Indus.* 127:31-37. Mar.5,1963. 173 J663Ste

Translation from *Poljoprivreda i Zadrugarstvo* 9(6):12-14. Nov.1962.

MILETIC, M. Formation of regulations on maximum land holdings. U. S. Joint P. Res. Serv. Transl. *East European Agr. Forestry & Food Indus.* 132:15-21. Mar.20,1963. 173 J663Ste

Translation from *Poljoprivreda i Zadrugarstvo* 9(11):23-35. Nov.1962.

MILETIC, Z. The forest of the wooded Carso. 12 p. Transl. 13848

Partial translation from *Le Karst Yugoslave*, p. 74-84. 1928.

\*MIL'KO, E. S. Effect of illumination and temperature on pigment formation in *Dunaliella salina*. *Microbiology* 32(4):504-508. Ref. Jan./Feb.1964. 448.3 M582Ae

\*MIL'KO, E. S. Effect of various environmental factors on pigment production in the alga *Dunaliella salina*. *Microbiology* 32(2):256-262. Ref. Sept./Oct.1963. 448.3 M582Ae

MILKOVIC, I. Ten years of work by water system societies. U. S. Joint P. Res. Serv. Transl. *East European Agr. Forestry & Food Indus.* 119:103-109. Feb.12,1963. 173 J663Ste

Translation from *Gradjevinar* 14(11):402-404. Nov.1962.

MILOJEVIC, Z. Further development of pomiculture in Yugoslavia. U. S. Joint P. Res. Serv. Transl. *East European Agr. Forestry & Food Indus.* 132:22-47. Mar.20,1963. 173 J663Ste

Translation from *Poljoprivreda i Zadrugarstvo* 9(11):26-33. Nov.1962.

MILOVANKIC, M. Structure of production, marketing, and consumption of fruit in Yugoslavia and the world and measures for improvement. U. S. Joint P. Res. Serv. Transl. *East European Agr. Forestry & Food Indus.* 131:107-131. Mar.19,1963. 173 J663Ste

Translation from *Agronomski Glasnik* 11/12: 1172-1179. 1962.

\*MILYAUSKAS, V. Effect of drainage on the physical and chemical properties of excessively wet soils in the Lithuanian SSR. *Soviet Soil Sci.* 1:43-53. Jan.1963. 57.8 P34Ae

\*MINA, V. N. Comparison of methods for determining the intensity of soil restoration. *Soviet Soil Sci.* 10:1188-1192. Ref. Oct.1962. 57.8 P34Ae

\*MINA, V. N., and others. Methods of studying the air regime of soils during permanent investigations. *Soviet Soil Sci.* 6:551-557. Ref. June 1963. 57.8 P34Ae

B. N. Makarov, V. B. Matskevich, and V. I. Shtatnov, joint authors.

\*MINASHINA, N. G. Ancient irrigated soils in the Murghab oasis. *Soviet Soil Sci.* 8:806-813. Ref. Aug.1962. 57.8 P34Ae

\*MINASHINA, N. G. Secondary Solonchaks in ancient irrigated oases. *Soviet Soil Sci.* 3:230-240. Ref. Mar.1963. 57.8 P34Ae

\*MINDER, I. F. Sepsidae (Diptera) of the Moscow region. *Ent. Rev.* 42(2):210-215. Ref. Apr./June 1963. 421 R322Ae

MINIBAEV, R. G. Phytocoenotic laws governing weeds of cultivated fields. 8 p. Ref. Transl. 13983

Translation from *Botanicheskii Zhurnal* 46(1): 135-139. 1961.

\*MININA, E. I. Rate of molybdenum uptake and translocation in plants. *Soviet Plant Physiol.* 10(3):303-306. Nov./Dec.1963. 450 F58Ae

MIRA, F. The Guardamar dunes. 16 p. Transl. 13850

Translation from *Espana Forestal* 158/159: 81-83; 160:113-115; 161/162:146-147. 1929. 165:12-14. 1930.

- MISHEV, V. The problems of bringing cooperative ownership closer to general public ownership. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 190:18-39. Aug. 23, 1963. 173 J663Ste  
Translation from Selskostopanska Nauka 2 (1):106-116. Jan./Apr. 1963.
- MISHEV, V. G. Growth in labor productivity on the cooperative farms. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 187:33-51. July 30, 1963. 173 J663Ste  
Translation from Novo Vreme 39(6):67-75. June 1963.
- MISHEVA, N. Remuneration of management personnel in cooperative labor farms. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 138:1-31. Mar. 28, 1963. 173 J663Ste  
Translation from Planovo Stopanstvo i Statistika 28(2):39-50. 1963.
- \*MISHUSTIN, E. N., and PETROVA, A. N. Assay of biological activity of soil. Microbiology 32(3):410-414. Nov./Dec. 1963. 448.3 M582Ae
- MISHUSTIN, E. N. Microbic associations in soils and methods of their investigation. 35 p. Ref. Transl. 13982  
Translation from Mikrobiologiya 24(4):474-485. 1955.
- MISIURA, W. Grain problems and the feed deficit. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 184:1-10. July 24, 1963. 173 J663Ste  
Translation from Nowe Drogi 18(5):26-32. May 1963.
- MISIURA, W. Problems in the development of agriculture in Poland. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 206:25-56. Oct. 31, 1963. 173 J663Ste  
Translation from Postepy Nauk Rolniczych 10(2):3-30. Mar./Apr. 1963.
- MITIC, N., and JEVDJOVIC, M. The development of the peasant working cooperatives (SRZ's). U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 234:1-16. Mar. 20, 1964. 173 J663Ste  
Translation from Produktivnost 5(12):927-933. Dec. 1963.
- MITIC, N., and JEVDJOVIC, E. M. Socioeconomic aspects of socialist farm expansion via land purchases. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 202:35-61. Oct. 3, 1963. 173 J663Ste  
Translation from Produktivnost 5(6):452-458. June 1963.
- MITKOV, T. Ten years of strain and hybrid testing and recognition. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 190:1-17. Aug. 23, 1963. 173 J663Ste  
Translation from Selskostopanska Nauka 2 (1):44-50. Jan./Apr. 1963.
- \*MITYAEV, I. D. New and little-known species of leafhoppers (Auchenorrhyncha, Typhlocybinae) from Kazakhstan. Ent. Rev. 42(2):221-225. Apr./June 1963. 421 R322Ae
- MNATSAKANYAN, A. G. The spread and control of brucellosis in the Armenian SSR. 2 p. Transl. 14018  
Translation from Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii 2:149. Feb. 1964.
- \*MODINA, S. A. Experiment of the use of artificial binders for aggregating soil. Soviet Soil Sci. 3:285-293. Ref. Mar. 1962. 57.8 P34Ae
- MOISEEV, N. N. Seasonal peculiarities in the water content of the leaves of stone fruits. Soviet Plant Physiol. 10(1):81-82. July/Aug. 1963. 450 F58Ae
- MOISSEEFF, G. N., and BOGOSLOVSKY, S. A. Modern problems of scientific research in forestry. 54 p. Transl. 13851  
Partial translation of Ocherednye zadachi nauchno-issledovatel'skogo dela v lesnom khozyaistve.
- \*MOKRONOSOV, A. T., and MIKHAILOVA, T. L. Fixation of CO<sub>2</sub> by potato leaves in the dark. Acad. Sci. USSR, Dok. Biol. Sci. Sect. 147(1/6): 1449-1452. Ref. May/June 1963. 511 P444Aeb
- \*MOLCHANOVA, O. P. Physiological standards of nutrition for the population of the Far North. Prob. North 6:63-64. 1962. 475 P944Ae
- MOLDOVAN, G. For a continuous enlargement of the collective farms. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 173:1-17. June 18, 1963. 173 J663Ste  
Translation from Agricultura Socialista 1(12): 1,8. Apr. 25, 1963.
- MOLDOVAN, G. Functions of the general meetings of collective farms; Rumania. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 224:47-50. Feb. 5, 1964. 173 J663Ste  
Translation from Agricultura Socialista 2(3): 1-2. Jan. 16, 1964.
- MOLEND, T. The economic requirements of forestry in the fiscal year 1963/1964; Poland. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 230:15-21. Feb. 29, 1964. 173 J663Ste  
Translation from Las Polski 3:1,2,7. Feb. 1/15, 1964.
- MOLEND, T. Increasing the productivity of Polish forests. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 201:1-21. Sept. 27, 1963. 173 J663Ste  
Translation from Sylwan 107(3):13-25. 1963.
- MOLEND, T. Realization of the plan of technical progress and the tasks of the Ministry of Forestry and the Lumber Industry for 1964; Poland. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 226:47-58. Feb. 20, 1964. 173 J663Ste  
Translation from Przemysl Drzewny 14(12): 5-8. Dec. 1963.
- MOLEND, T. Realization of the technical development plan and tasks of forestry and lumber industries for 1964. (Excerpts.) U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 211:17-29. Nov. 20, 1963. 173 J663Ste  
Translation from Las Polski 21:9-11. Nov. 1/15, 1963.
- MOLEND, T. Tasks of state forestry for 1962-1963. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 125:8-19. Feb. 27, 1963. 173 J663Ste  
Translation from Las Polski 36(24):1-5. Dec. 16/31, 1962.
- MOLLER, C. M. Results of thinning experiments in Hastrup. 7 p. Transl. 13852  
Translation from Dansk Skovforenings Tidsskrift 8:353-360. Aug. 1933.
- MOLNAR, P., BRNAK, O., and JANCOSSEK, J. Making the land in Slovakia more productive. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 118:30-42. Feb. 7, 1963. 173 J663Ste  
Translation from Nova Mysl 12:1459-1467. Dec. 1962.
- MOLNARFI, T., and VIDOR, G. Regional distribution of food consumption and of the food industry. U. S. Joint P. Res. Serv. [Transl.] Agr. Forestry & Fishing Hungary 56:80-93. May 31, 1963. 173 J663Agf  
Translation from Magyei es Varosi Statisztikai Ertesito 13(2):53-62. Feb. 1963.
- \*MOLOTKOVSKIL, YU. G., and SMIRNOV, A. M. The effect of chloramphenicol on protein synthesis in plants. Soviet Plant Physiol. 10(3): 268-274. Ref. Nov./Dec. 1963. 450 F58Ae
- MORNET, P., and others. About the cross-relations of the antigenic and immunogenic equalities of the viruses of distemper and rinderpest. 39 p. 41 M827A  
P. Goret, Y. Gilbert, and Y. Goueffon, joint authors.  
Translation from Revue d'Elevage et de Medecine Veterinaire des Pays Tropicaux 13(1): 5-25. 1960.



- MORNET, P., and others. About the cross-relations of the antigenic and immunogenic qualities of the viruses of distemper and rinderpest. 39 p. Transl. 13497
- P. Goret, Y. Gilbert, and Y. Goueffon, joint authors.  
Translation from *Revue d'Elevage et de Médecine Vétérinaire des Pays Tropicaux* 13(1):5-23. 1960.
- MOROSOW, G. F. Forestry. 34 p. Transl. 13853  
Partial translation of *Die Lehre vom Walde*.
- MOROSOW, G. F. A short sketch of the science of types in stands. 28 p. Transl. 13854  
No source of translation given.
- MOROVIC, S. Current problems of agricultural production in the public sector in Croatia. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 126:55-97. Mar.1,1963. 173 J663Ste  
Translation from *Agronomski Glasnik* 12 (9/10):909-923. Sept.-Oct.1962.
- MOROZOV, V. A system of material incentives for kolkhoz members. U. S. Joint P. Res. Serv. Transl. USSR Labor 66:93-112. May 11, 1964. 173 J663Tow  
Translation from *Voprosy Ekonomiki* 2:25-37. Feb.1964.
- \*MOROZOVA, T. D. Fossil soils of the Valday interstadial. Acad. Sci. USSR. Dok. Earth Sci. Sect. 143(1/6):40-42. Feb.1964 511 P444Aee
- \*MORYASHCHEV, A. K., and VORONIN, V. G. Determination of the composition of some essential oils by gas liquid chromatography. J. Analyt. Chem. USSR 18(3):351-355. Mar. 1963. 385 Z65Ae
- MOSCOW, NAUCHNYI INSTITUT PO UDOBRENIYAM I INSEKTO-FUNGITSIDAM IMENI YA. V. SAMOILOVA. LABORATORIYA GERBITSIDOV I DEFOLIANTOV. Defoliants and desiccants. 5 p. Transl. 13680  
Translation of *Defolianty i desikanty*.
- MOSER, E. The bird's skin. 67 p. Transl. 14033  
Translation from *Ellerberg's Handbuch der vergleichender mikroskopischer Anatomie der Haustiere* 1906:192-232.
- MOSHCHENKO, V. Certain problems relating to the economic reclamation of deserts and semideserts. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 10:92-106. May 6,1963. 173 J663Tso  
Translation from *Kommunist Uzbekistana* 11: 87-93. Nov.1962.
- \*MOSHKOV, B. S. The importance of artificial light for growing plants in covered ground. Prob. North 6:187-191. 1962. 475 P944Ae
- MOSHKOV, B. S. Photoperiodism of tree species and its practical significance. 13 p. Transl. 13855  
Translation from *Sotsialisticheskoe Rastenievodstvo. Series A(2):108-123. 1932.*
- \*MOSKOV, I., NIKOV, M., and BOZOVA, L. A study of the free amino acids and sugars in the buds of the grapevine during both the growing period and dormancy. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):832-835. Ref. Nov./Dec.1963. 511 P444Aeb
- \*MOSLIEV, I. T. Scientific and practical recommendations for the raising of poultry in the Far North. Prob. North 6:231-234. 1962. 475 P944Ae
- MOU-KANG, L. The climatic characteristics and agricultural production in the Szechwan basin. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 49: 28-35. June 25,1963. 173 J663Trc  
Translation from *Chung-kuo Nung-pao* 11:20-22. 1962.
- MOUCHETTE, R., and CUYPERS, Y. Study of the vascularization of the cock's kidney. 7 p. Transl. 14032  
Translation from *Arch. de Biol.* 69:577-590. 1959.
- MOUGIN, M. P. The reforestation in the Alps. 135 p. Transl. 13856  
Partial translation of *La restauration des Alpes*.
- \*MOZHAEVA, L. V., and ZHUKOVA, A. L. Microscopical observations on the mitochondria of plant cells. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 148(1/6):58-61. Ref. July/Aug.1963. 511 P444Aeb
- MU, Y. Supply more industrial products to rural villages. U. S. Joint P. Res. Serv. Transl. Communist China's Trade, Finance, Transportation & Commun. 74:90-98. Dec.12, 1963. 173 J663Tcc  
Translation from *Ta Kung Pao*, Oct.12,1963:2.
- MUFTIC, A., and BEGANOVIC, A. H. On the biochemical activity of bacteria in the process of decomposition of meat. p. 9-12. (OTS 60-21633) Transl. 13059  
Translation from *Veterinaria (Sarajevo)* 7(11): 153-155. 1958.
- \*MUKHAMEDOV, K. K. On the biology of the lucerne pest *Camptopus lateralis* Germ. (Heteroptera, Coreidae) in Turkmenia. Ent. Rev. 41(3):310-312. July/Sept.1962. 421 R322Ae
- \*MUKHIN, E. N. Changes in the complex of phenolic substances of  $\gamma$ -irradiated potatoes following mechanical injury to them. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 148(1/6):39-41. July/Aug.1963. 511 P444Aeb
- MUKHIN, N. D., and SEMENOV, V. A. Results of barley selection. 7 p. Transl. 13426  
Translation from *Belorusskii Nauchno-Issledovatel'skii Institut Zemledeliya. Sbornik Nauchnykh Trudov* 7:299-305. 1961.
- MUNCH. Further investigations into early and late spruces. 49 p. Transl. 13858  
Translation from *Zeitschrift für Forst- und Jagdwesen* 60:129-177. 1928.
- MUNCH, E. Oblique planting. 39 p. Transl. 13857  
Translation from *Tharandter Forstliches Jahrbuch* 83:1-62. 1932.
- \*MURAV'EVA, V. I., and KUZOVKOV, A. D. Investigation of alkaloids of *Securinega suffruticosa* (Pall.) Rehd. J. Gen. Chem. USSR 33(2): 685. Feb.1963. 385 Z6Ae
- \*MURAV'EVA, V. I., MAMEDOVA, A. G., and BAN'KOVSKII, A. I. Study of the alkaloids of the arctic spoonwort (*Cochlearia arctica* Schl.). J. Gen. Chem. USSR 33(5):1645-1646. May 1963. 385 Z6Ae
- MURET, E. Forest management in the Canton of Vaud. 19 p. Transl. 13860  
Translation from *Journal Forestier Suisse* 86(3):53-63; (4):79-91. 1935.
- \*MUROMTSEV, G. S., and RUSANOVA, N. V. Quantitative determination of gibberellins by the growth response of the Pioneer G-1 pea variety. Soviet Plant Physiol. 9(5):498-500. Ref. Mar./Apr.1963. 450 F58Ae
- \*MUSTAFAYEV, KH. M. Soil erosion in river basins on the southern slope of the great Caucasus (in the Azerbaydzhan SSR). Soviet Soil Sci. 4:429-431. Apr.1962. 57.8 P34Ae
- \*MUTUSKIN, A. A., PSHENOVA, K. V., and KOLESNIKOV, P. A. Biological role of non-hemin iron of wheat embryo. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):567-569. Nov./Dec.1963. 511 P444Aeb
- \*MYSNIK, YU. F., and RYBACHEK, E. P. The age of the minor intrusions of the Godoy complex and the associated gold-molybdenum mineralization (Eastern Transbaikalia). Acad. Sci. USSR. Dok. Earth Sci. Sect. 144(1/6):48-49. May 1964. 511 P444Aee
- NACHKOV, G. Tasks in land improvement construction. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 172:1-14. June 14,1963. 173 J663Ste  
Translation from *Naruchnik na Agitatora* 6/7: 42-46. Feb.1963.
- \*NADAREISHVILI, A. E. Transplantable strain of Shope's rabbit carcinoma. B. Expt. Biol. & Med. 53(5):595-598. July 1963. 442.8 B87Ae
- NAGASAWA, M., and TAGUCHI, T. Shikimic acid in flue-cured tobacco leaf. 6 p. Ref. Transl. 13981  
Translation from *Japan Monopoly Corporation. Central Research Institute. Scientific Papers* 99:8-9. 1958.

- NAGY, GY. Changes in the agricultural production pattern of Hungary. Hungarian Agr. Rev. 12(2):11-13. 1963. 241 H89  
Translation from *Gzadalkodas* 6(3):1-7. 1962.
- NAKASHIMA, K. On the study of the "Ready to eat rice." 1. The preparations. 10 p. Ref. Transl. 13642  
Translation from Osaka. Industrial Research Institute. Report 4(1):39-41. 1952.
- NAKASHIMA, K. On the study of the "Ready to eat rice." 2. On the regeneration (swelling). 7 p. Transl. 13643  
Translation from Osaka. Industrial Research Institute. Report 4(1):42-44. 1952.
- NAKHMANOVICH, A. L., and PONOMAREVA, A. T. Fertilizing system based on agrochemical cartography of soils. 7 p. Transl. 13953  
Translation from *Zemledelie* 9:42-46. Sept. 1963.
- NARAYANAN, R., and RAO, P. S. Chemical examination of an unknown *Pterocarpus* wood. 8 p. Transl. 13576  
Translation from *Holz als Roh- und Werkstoff* 20(5):182-185. 1962.
- \*NARCHUK, E. P. Results of the Sino-Soviet zoological and botanical expeditions to southwestern China. *Ent. Rev.* 41(3):417-424. Ref. July/Sept. 1962. 421 R322Ae
- \*NARCHUK, E. P. A review of Palearctic species of the genus *Calamoncosis* End. (Diptera, Chloropidae). *Ent. Rev.* 41(2):281-288. Ref. Apr./June 1962. 421 R322Ae
- NARKIEWICZ-JODKO, J. Preliminary investigations over the influence of seeding time and environment on the propagation of virus diseases in beet. p.112-125. Ref. (OTS 60-21574) 464 P87  
Translation from Poznan. Instytut Ochrony Roslin. *Prace Naukowe* 1(3):75-91. 1959.
- NAUCHNAYA KONFERENTSIYA PO INFEKTSIONNYM I INVAZIONNYM ZABOLEVANIYAM SEL'SKOKHOZYAISTVENNYKH ZHIVOTNYKH. 3, MOSCOW, 1957. Proceedings of the third Scientific conference on infectious and invasive diseases of farm animals (5-7 March 1957). 63 p. (OTS 61-31213) 41.9 N22Me  
Translation of Materialy.
- \*NAUMOV, YE. M., and ANDREYEVA, A. A. Soils of the Uana-Indigir upland slopes under steppe vegetation (taiga-steppe soils in the extracontinental regions of northeastern USSR). *Soviet Soil Sci.* 3:249-255. Ref. Mar. 1963. 57.8 P34Ae
- NAYDENOV, I. Animal husbandry on personal plots of members of cooperatives: Bulgaria. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 233:1-7. Mar. 13, 1964. 173 J663Ste  
Translation from *Zhivotnovudstvo* 18(12):21-25. Dec. 1963.
- NAYDENOV, S. Development of cattle raising. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 150:18-27. Apr. 24, 1963. 173 J663Ste  
Translation from *Zhivotnovudstvo* 17(1):4-7. Jan. 1963.
- \*NAZAROV, E. G. The mechanism and characteristics of spontaneous movements of *Desmodium gyrans* leaves. *Acad. Sci. USSR, Dok. Biol. Sci. Sect.* 147(1/6):1443-1446. Ref. May/June 1963. 511 P444Aeb
- \*NAZAROV, E. G. The nature of spontaneous movements of plant leaves. *Soviet Plant Physiol.* 9(5):442-447. Mar./Apr. 1963. 450 F58Ae
- NECHVAL', I. T. Several epizootiological features of atrophic rhinitis and measures for controlling it. 5 p. Transl. 14019  
Translation from *Veterinariya* 11:47-49. Nov. 1963.
- NEDELIN, S. Analysis of the economic activities of agricultural enterprises. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 11:19-28. May 13, 1963. 173 J663Tso  
Translation from *Ekonomicheskaya Gazeta* 13:9-12. Mar. 30, 1963.
- NEGOVSKII, N. A. Peculiarities in methods of sugar beet selection in the USSR and in foreign countries. 8 p. Transl. 13433  
Translation from *Ukrainskaya Akademiya Sel'skokhozyaistvennykh Nauk. Dostizheniya nauki i peredovoi opyt po svezklovodstvu* p. 200-205. 1961.
- NEGREA, L. The need for careful management of forest resources. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 156:60-68. May 7, 1963. 173 J663Ste  
Translation from *Muncitorul Forestier* 15 (467):1-2. Mar. 14, 1963.
- \*NEGRUTSKII, S. F. The use of antagonistic fungi for the control of the fungus *Fomitopsis annosa* (Fr) Karst. *Microbiology* 32(4):539-542. Ref. Jan./Feb. 1964. 448.3 M582Ae
- NEMEC, A. The influence of the raking of litter upon the chemical composition of the soil, needles, and wood of pines. 10 p. Transl. 13859  
Translation from *Allgemeine Forst- und Jagdzeitung* 109. July 1933.
- NEMEC, A., and KVAPIL, K. Physical qualities of forest soils and their relation to soil acidity. 32 p. Ref. Transl. 13864  
Translation from *Zeitschrift fur Forst- und Jagdwesen* 57(9):540-567. 1925.
- NEMETH, L. Situation in cattle raising and tasks of future development; Hungary. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 232:1-9. Mar. 10, 1964. 173 J663Ste  
Translation from *Magyar Mezogaszdasag* 19(4):16-17. Jan. 22, 1964.
- NESIC, C. Broader training for agricultural producers. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 185:55-69. July 2, 1963. 173 J663Ste  
Translation from *Poljoprivreda i Zadrugarstvo* 10(5):45-50. May 1963.
- NESTERENKO, V. G. Components of the cutting force and work of cutting in removing branches from logs. 6 p. Transl. 13577  
Translation from *Lesnoi Zhurnal* 5(2):63-67. 1962.
- \*NESTEROV, YA. S. Resting period of the apple root system. *Acad. Sci. USSR, Dok. Biol. Sci. Sect.* 147(1/6):1453-1456. May/June 1963. 511 P444Aeb
- NEVORANEK, Z. Double-shift operation in livestock raising. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 195:30-39. Sept. 10, 1963. 173 J663Ste  
Translation from *Mezinarnodni Zemedelsky Casopis* 7(2):73-76. 1963.
- \*NEYSHTADT, M. I., and others. Radiocarbon and pollen dating of Holocene strata. *Acad. Sci. USSR, Dok. Earth Sci. Sect.* 144(1/6):117-119. May 1964. 511 P444Aee  
A. L. Devirts, N. G. Markova, E. I. Dobkina, and N. A. Khotinskiy, joint authors.
- \*NEZGOVOROV, L. A. On the causes of the increased pathogenicity of *Pythium* on cold soils. *Soviet Plant Physiol.* 10(1):42-49. Ref. July/Aug. 1963. 450 F58Ae
- NGAY, L. Meat and milk production. U. S. Joint P. Res. Serv. [Transl.] Agr. Forestry & Fishing Hungary 60:31-40. Oct. 7, 1963. 173 J663Agi  
Translation from *Gzadalkodas* 7(3):39-47. June 1963.
- NGUYEN, H. T. Positive measures for economization in farm production. U. S. Joint P. Res. Serv. Trans. No. Vietnam's Econ. 83:22-37. Feb. 3, 1964. 173 J663Trn  
Translation from *Nghien Cuu Kinh Te* 17:20-25. Oct. 1963.
- NGUYEN, V. L. Careful cultivation aimed at increasing farm productivity in the North. U. S. Joint P. Res. Serv. Trans. Hoc Tap (Studies). No. Vietnam 11:13-19. Dec. 31, 1963. 173 J663Th  
Translation from *Hoc Tap* 11:31-35. Nov. 1963.



- NICA, S. Problems and results of the intensification of agricultural production. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 221:29-31. Jan. 24, 1964. 173 J663Ste  
Translation from Probleme Agricole 15(12): 21-23. Dec. 1963.
- \*NICHIPOROVICH, A. A. Conference on the problem of regulating the photosynthetic activity of plants (January 17-19, 1963). Soviet Plant Physiol. 10(3):325-326. Nov./Dec. 1963. 450 F58Ae  
Translation from Wiadomosci Narodowego Banku Polskiego 3:123-128. Mar. 1963.
- \*NICHIPOROVICH, A. A., SLOBODSKAYA, G. A., and KARPUSHKIN, L. T. Formation of carbohydrates during photosynthesis at various light intensities. Soviet Plant Physiol. 10(4): 340-348. Ref. Jan./Feb. 1964. 450 F58Ae
- NIEMSKI, K. Accounts plan of the agricultural bank. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 169:57-84. June 10, 1963. 173 J663Ste  
Translation from Kuan-ming Jih-pao, Nov. 22, 1962:2.
- NIKITENKO, G. F., and GOLOVKO, F. S. Effect of seed reproduction on the yield. 7 p. Transl. 13427  
Translation from Selektsiya i Semenovodstvo 2:22-26. Mar./Apr. 1962.
- NIKITIN, D. I., and STEFANOV, S. B. Electron-microscopic study of soil suspensions. 5 p. Transl. 13887  
Translation from Akademiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya 2:283-286. 1963.
- \*NIKOLAEV, A. B. On the utilization of wild medicinal food, fodder, and other economically valuable plants of the Far North of the Soviet Union. Prob. North 6:207-218. 1962. 475 P944Ae
- \*NIKOLAEV, G. V. Transfer of phosphorus, calcium, and sulfur from one plant to another through their root system. Soviet Plant Physiol. 10(4):370-374. Jan./Feb. 1964. 450 F58Ae
- \*NIKOLAEVA, M. G., and YUDIN, V. G. The action of gibberellin on the germination of the seeds of arboreal plants. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):825-828. Ref. Nov./Dec. 1963. 511 P444Aeb
- \*NIKOLAYEVA, I. N. Air permeability of sod-podzolic soil on different kinds of land use with varying moisture content. Soviet Soil Sci. 8: 856-862. Ref. Aug. 1962. 57.8 P34Ae
- NIKOLOVSKI, T. An investigation of micro-temperature conditions in some forest types. 34 p., map. Ref. (OTS 61-11207) Transl. 13253  
Translation from Skoplje. Sumarski Institut. Godisnik 3:3-30. 1958.
- NIKOL'SKAYA, M. N. The chalcid fauna of the U.S.S.R. 593 p. Ref. (OTS 61-31220) (Keys to the fauna of the U.S.S.R. no. 44) 426 N58  
Translation of Khal'tsidy fauny SSSR (Chalcidoidea).
- \*NIKONOV, G. K., and IVASHENKO, A. A. The chemical structure of Morison's mountain parsley (Peucedanum morisonii Bess.). J. Gen. Chem. USSR 33(8):2668-2671. Ref. Aug. 1963. 385 Z6Ae
- \*NIKONOV, G. K., VEREMEY, R. K., and KURVAEV, V. B. Lactones of the fruit of *Chimnang angelica* (Archangelica tschimganica). J. Gen. Chem. USSR 33(8):2672-2673. Aug. 1963. 385 Z6Ae
- \*NIKONOV, G. K., and VEREMEY, R. K. Lactones of the Sakhalin marigold *Phellodendron sachalinense* (Fr. Schmidt) Sarg. Acad. Sci. USSR. Proc. Chem. Sect. 148(1/6):108-110. Ref. Jan./Feb. 1963. 511 P444Aec
- \*NIKONOV, M. N., and PERLIN, S. I. Changes in organic matter of peat in relation to its degree of decomposition and type. Soviet Soil Sci. 3:261-264. Mar. 1964. 57.8 P34Ae
- NOACK, D. Sorption of wood at elevated temperatures and water vapor pressures. 19 p. Ref. Transl. 13176  
Translation from Holz als Roh und Werkstoff 17(5):205-212. May 1959.
- NOAK, D., and KLEUTERS, W. On the determination of the moisture content of wood by means of radioactive isotopes (beta rays). 8 p. Transl. 13575  
Translation from Holz als Roh-und Werkstoff 8:304-308. Aug. 1960.
- NORDISK SKOGSUNION. A symposium on forest land and classification of site in the Fennoscandian countries. 42 p. Ref. Transl. 13157  
Translation from Svenska Skogsvardsforeningens. Tidskrift 52(3):189-226. 1954.
- \*NORIN, B. N. The importance of natural forests and afforestation for the acclimatization of man in the North. Prob. North 6:219-225, map. 1962. 475 P944Ae
- \*NOVIKOV, M. A. Composition of soil air in peat-bog soils. Soviet Soil Sci. 2:171-179. Ref. Feb. 1962. 57.8 P34Ae
- \*NOVITSKII, V. YA. Natural and economic conditions in the breeding site of the asiatic locust, *Locusta migratoria migratoria* L. (Orthoptera, Acrididae) in the delta of the Amu-Darya. Ent. Rev. 42(2):139-145. Ref. Apr./June 1963. 421 R322Ae
- \*NOVOSELOV, A. A. Introduction of the simplest methods for growing vegetables at home by the inhabitants of the Far North. Prob. North 6:193-198. 1962. 475 P944Ae
- NOVOTNY, Z. From industry to agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 162:1-6. May 21, 1963. 173 J663Ste  
Translation from Hospodarske Noviny 8(16): 3. Apr. 19, 1963.
- NOWAK, B. The effectiveness of different methods of evoking polyploidy by applying various methods of colchicine treatment. 38 p. Ref. (OTS 61-11327) Transl. 13367  
Translation from Hodowla Roslin, Aklimatyzacja i Nasiennictwo 2(2):235-258. 1958.
- NOWICKI, S. On the genera *Ophioneurus* Ratz. and *Lathromerella* Girault (Hymenoptera, Chalcidoidea, Trichogrammatidae). 4 p. (OTS 61-31260) Transl. 13535  
Translation from Polskie Pismo Entomologiczne 6(1/2):100-102. 1927.
- \*NUZHIDIN, N. I., and NIZHNIK, G. V. Effectiveness of protection of rabbit spermatozoa against genetic injuries caused by irradiation in vitro. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 151(1/6):900-902. Jan./Feb. 1964. 511 P444Aeb
- NYAMSANJAA, D. A need for better protection of livestock during the winter months. U. S. Joint P. Res. Serv. Transl. Mongolia 43:63-70. Dec. 31, 1963. 173 J663Tmo  
Translation from Namyn Am'dral 9:30-33. Sept. 1963.
- NYLINDER, P. Damage to sawlogs during transportation and storage. 24 p. Transl. 13573  
Translation from Stockholm. Skogshogskolan. Institutionen for Virkeslara. Uppsatser 5, 1962.
- OBARSKI, J. Material to the fauna of Tenthredinoidea (Hymenoptera) in Poland. II. 8 p. Ref. (OTS 61-31264) Transl. 13369  
Translation from Fragmenta Faunistica 1(13), 1931.
- \*OCHIROV, YU. D., and POCHUNKUNIN, D. I. Natural foci of tularemia in Chita oblast. J. Microbiol. Epidemiol. & Immunobiol. 32(5):859-860. 1961, pub. 1962. 448.3 Z4Ae
- OCHS, G. Virus as causal agent of leaf roll of grapes. 2 p. Transl. 13173  
Translation from Experientia 8:303. 1959.
- ODINTSOV, P. N. Wood swelling. 11 p. Ref. (OTS 63-11024) Transl. 13695  
Translation from Akademiya Nauk Latvii-skoi SSR. Institut Lesokhozyaistvennykh Problem. Trudy 12:45-56. 1957.

- \*ODUMANOVA-DUNAEVA, G. A. Mechanism of action of poisons on plants. *Soviet Plant Physiol.* 10(4):405-407. Ref. Jan./Feb.1964. 450 F58Ae
- OELKERS, J. Heredity, seed origin, breeding. 31 p. Ref. Transl. 13865  
Translation from *Forstarchiv* 5:433-440, 457-462, 478-483. 1929.
- \*OGG, W. G. Dr. Alexander Muir, September 12, 1906—February 1, 1962. *Soviet Soil Sci.* 9:1000-1001. Sept.1962. 57.8 P34Ae
- \*OGNEVA, N. S. Features of the distribution of listeriosis among rodents in a large city. *J. Microbiol. Epidemiol. & Immunobiol.* 32(5):862-867. 1961, pub.1962. 448.3 Z4Ae
- OGRYZKOV, S. E. The course of foot-and-mouth disease in reindeer. 2 p. Transl. 13502  
Translation from *Veterinariya* 10:54-55. 1962.
- OGURA, T., ed. *Agricultural development in modern Japan.* Tokyo, Fuji, 1963. 688 p. Ref. 34.3 Og9Ae  
Translated from the Japanese.
- OHLIN, B. Comments on the question of the rotation period of forests. 28 p. Transl. 13470  
Translation from *Ekonomisk Tidskrift*, p. 90-113, 1921.
- OL'SHANSKII, M. A. Against falsification in biological science. 10 p. Transl. 13434  
Translation from *Vestnik Sel'skokhozyaistvennoi Nauki* 8:1-5. Oct.1963.
- \*OLSUF'YEV, N. G., and MEL'NIKOVA, T. G. The horsefly fauna (Diptera, Tabanidae) of the Crimea. *Ent. Rev.* 41(3):353-354, map. July/Sept.1962. 421 R322Ae
- OPPERMANN, A. Historical retrospect. 28 p. Transl. 13866  
Translation from *Det Forstlige Forsoegsvesaesen in Danmark* 12(11):343-380. 1932.
- \*OREL, L. I. Formation of sterile pollen in tomatoes. *Acad. Sci. USSR, Dok. Biol. Sci. Sect.* 147(1/6):1418-1420. Ref. May/June 1963. 511 P444Aeb
- \*ORLOV, A. YA. The effect of flooding root systems on the accumulation of phosphorus by tree seedlings. *Acad. Sci. USSR, Dok. Biol. Sci. Sect.* 147(1/6):1423-1425. Ref. May/June 1963. 511 P444Aeb
- \*ORLOV, D. S., ROZANOVA, O. N., and MATYUKHINA, S. G. Infrared absorption spectra of humic acids. *Soviet Soil Sci.* 1:15-21. Ref. Jan.1962. 57.8 P34Ae
- \*ORLOVSKIY, N. V. Certain problems of classification nomenclature of the soils of central Siberia. *Soviet Soil Sci.* 1:80-82. Jan.1963. 57.8 P34Ae
- \*ORLOVSKIY, V. B. Change in the physical properties and particle-size composition of eroded forest soils under the influence of forest plantations. *Soviet Soil Sci.* 4:424-428. Ref. Apr.1962. 57.8 P34Ae
- OTERO, P. M. Bovine tuberculosis in Puerto Rico. 3 p. Transl. 13645  
Translation from *Revista del Cafe*, May 1963.
- OU, Y. C. On the arrangement of the national economic plan according to the policy of developing the economy with agriculture as its foundation. *U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater.* 39:13-23. Apr.17,1963. 173 J663Trc  
Translation from *Ta-Kung Pao*, Mar.4,1963:3.
- \*OUYANG SHOU-JU. A physiological characteristic of drought resistance of certain grape varieties. *Soviet Plant Physiol.* 9(6):564-566. May/June 1963. 450 F58Ae
- \*OVSEPYAN, I. M. Genetic features of the mountain-meadow and meadow-steppe soils of the Gegam highlands. *Soviet Soil Sci.* 11:1273-1284. Ref. Nov.1962. 57.8 P34Ae
- OZHIGOV, E. P. Chemists of the Dal'nevostochnyi Filial of Sibirskoe Otdelenie of the Akademiya Nauk SSSR- to agriculture. *U. S. Joint P. Res. Serv. [Transl.] Soviet Sci. & Agr.* Sept.10,1962:25-29. 173 J663Ssa  
Translation from *Akademiya Nauk SSSR, Sibirskoe Otdelenie. Izvestiya* 8:137-139. 1961.
- \*PADUCHEVA, A. L., VOLKOVA, Z. I., and FEOFILOVA, ZH. A. Rate of formation of sulfur-containing precursors of the keratin of sheep hair and skin following introduction of sulfate and methionine. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 148(1/6):34-35. July/Aug.1963. 511 P444Aeb
- PAHLITZSCH, G., and MEHRDORF, J. Manufacture of chips with horizontal flat disk chippers. I. Influence of chipping thickness and wood moisture on the production of wood chips. 13 p. Transl. 13461  
Translation from *Holz als Roh- und Werkstoff* 20(8):314-322. Aug.1962.
- PAHLITZSCH, G., and MEHRDORF, J. Manufacture of chips with horizontal flat disk chippers. II. Effect of cutting velocity, chip angle, and cut surface angle. 13 p. Transl. 13460  
Translation from *Holz als Roh- und Werkstoff* 20(10):408-418. Oct.1962.
- PAHLITZSCH, G., and MEHRDORF, J. Manufacture of chips with horizontal flat disk chippers. Part III. Effect of knife edge angle, inclination angle, and angle of cut direction on the manufacture of woodchips. 17 p. Transl. 13469  
Translation from *Holz als Roh- und Werkstoff* 20(11):443-453. Nov.1962.
- \*PAKHTUSOVA, N. A. New data on the age of the Jurassic sandy strata of the Upper Pinega and the Pinega-Vashka watershed. *Acad. Sci. USSR. Dok. Earth Sci. Sect.* 144(1/6):87-89, map. May 1964. 511 P444Aee
- PAL GULYAS, P. G. What statistics fail to reveal. *U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus.* 246:1-4. Apr.30,1964. 173 J663Ste  
Translation from *Magyar Mezogazdasag* 13:4. Mar.25,1964.
- PALANKOVSKI, V. Development of agricultural production. *U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus.* 119:1-7. Feb.12,1963. 173 J663Ste  
Translation from *Naruchnik na Agitatora* 17(39):12-23. Oct.1962.
- PALFAI, I. The manpower situation in agriculture. *U. S. Joint P. Res. Serv. [Transl.] Agr. Forestry & Fishing Hungary* 54:24-52. Apr.8, 1963. 173 J663Agi  
Translation from *Statistikai Szemle* 41(2):115-137. Feb.1963.
- PAN, C. L. Rice preparation in China, South Asia, and the Far East. *Internatl. Rice Ybk.* 1963:10-11. 59.8 In8  
Translation from *Getreide und Mehl*, Sept. 1962.
- PANFILOV, J. The influence of shelterbelts. 23 p. Ref. Transl. 13867  
Translation from *Na Lesokulturnom Fronte* 7/8:2-18. 1932.
- PANG, C. S. Scientific technique on increasing rice yield over 500 kilograms per chongbo. *U. S. Joint Publications Res. Serv. Econ. Rep. N. Korea* 120:19-27. Apr.22,1964. 173 J663Er  
Translation from *Nodong Sinmun*, Mar.15, 1964:2-3.
- \*PANIN, P. I. Salt discharge from soils and determination of leaching norms. *Soviet Soil Sci.* 7:703-709. Ref. July 1962. 57.8 P34Ae
- \*PANIN, P. S., and ARISTRAKHOV, A. N. Chemical properties and water permeability of sodium carbonate salinized soils on the Karabakh plain, Azerbaydzhan SSSR. *Soviet Soil Sci.* 6:584-591. Ref. June 1962. 57.8 P34Ae
- \*PANKOV, V. V. Leaf analysis and phosphorus nutrition of tomatoes. *Soviet Plant Physiol.* 10(2):202-206. Ref. Sept./Oct.1963. 450 F58Ae
- \*PANOV, A. A. The origin and fate of neuroblasts, neurons and neuroglial cells in the central nervous system of the China oak silkworm *Antheraea pernyi* Guer. (Lepidoptera, Attacidae). *Ent. Rev.* 42(2):186-191. Ref. Apr./June 1963. 421 R322Ae



- \*PANTYUKHOV, G. A. The effect of positive temperatures on different geographic populations of the European gold tail (*Euproctis chrysorrhea* L.) and the gypsy moth (*Lymantria dispar* L.-Lepidoptera, Orgyidae). Ent. Rev. 41(2):169-175. Ref. Apr./June 1962. 421 R322Ae
- PAO, T. C., YU, E., and HUANG, C. P. Market boom prevails in Sinkiang. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 68:1-7. Oct.30,1963. 173 J663Trc
- Translation from Ta Kung Pao, Sept.21,1963: 2.
- PAPACOSTEA, C., and RATIU, C. Zoning: an important means of efficient distribution of agricultural production. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 220:1-20, map. Jan.24,1964. 173 J663Ste
- Translation from Probleme Economice 16(11): 54-70. Nov.1963.
- PARAMONOV, A. YA. Aerial control of forest pests in the U.S.S.R. 54 p. Ref. (OTS 63-11087) Transl. 13505
- Translation from Munich. Institut po Izucheniuyu SSSR. Issledovaniya i Materialy. Seriya 1, 49:5-76. 1959.
- \*PARFENOVA, YE. I. B. B. Polynov-the creator of the study of the geochemistry of landscapes (in commemoration of his 85th birthday). Soviet Soil Sci. 2:111-118. Ref. Feb. 1963. 57.8 O34Ae
- \*PARINKINA, O. M. Determination of necessary times of exposure of pedoscopes in soil for demonstration of the microbial community. Microbiology 32(1):84-88. July/Aug.1963. 448.3 M582Ae
- PARIS, S. Corn production on farms in the public sector of agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 225:31-46. Feb.19,1964. 173 J663Ste
- Translation from Poljoprivreda i Zadrugarstvo 10(12):18-30. Dec.1963.
- PARIS, S. Some problems of the consumption of mineral fertilizers. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 185:30-54. July 25,1963. 173 J663Ste
- Translation from Poljoprivreda i Zadrugarstvo 10(5):30-40. May 1963.
- PARMAKOV, D. Agriculture's electric power in the period up to 1980. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 119:97-102. Feb.12,1963. 173 J663Ste
- Translation from Mekhanizatsiya i Elektrifikatsiya 12(12):20-21. Dec.1962.
- PASKALEV, D., and GANEV, D. Division into areas of the Bulgarian water economy. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 182:31-71, map. July 19,1963. 173 J663Ste
- Translation from Ikonomicheska Misul 4:62-76. Apr.1963.
- PASSAVALLI, L. P. Paper mulch in forest practice, experimental contribution. 15 p. Transl. 13838
- Translation from L'Alpe Rivista Forestale Italiana 19(9):294-304. 1932.
- \*PASTERNAK, P. S., and SKIBA, V. V. Humus content and composition of Carpathian Brown Forest. Soviet Soil Sci. 12:1379-1383. Ref. Dec.1962. 57.8 P34Ae
- PAVARI, A. Ground-breaking with hoe and spade in forest planting of arid zones. 6 p. Transl. 13870
- Translation from Bulletin de la Silva Mediterranea, Florence 1924:49-55.
- PAVARI, A. How do forests influence the regime of the rains? 9 p. Transl. 13871
- Translation from L'Alpe 17:49-54. 1930.
- PAVEL, V. The problem of agricultural organization at commune level. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 173:16-51. Ref. June 18,1963. 173 J663Ste
- Translation from Agronomski Glasnik 13(3): 213-224. Mar.1963.
- \*PAVLOV, A. N. Accumulation of zein in maize grain. Soviet Plant Physiol. 10(2):174-179. Ref. Sept./Oct.1963. 450 F58Ae
- \*PAVLOV, S. P. Evaporation and moisture circulation in a fallow field soil in dry and wet years in the Sverdlovsk suburban zone. Soviet Soil Sci. 4:388-392. Apr.1962. 57.8 P34Ae
- PAWLOWSKI, J., and TYPIAK, P. The role and significance of communal agencies in the development of the contemporary village. U. S. Joint P. Res. Serv. Transl. East European Forestry & Food Indus. 200:40-59. Sept.25,1963. 173 J663Ste
- Translation from Wies Wspolczesna 7:45-53. July 1963.
- \*PEKATOROS, L. G. Secondary soil salinization on the left-bank flood-plains and the delta of the Danube River in the Ukraine. Soviet Soil Sci. 2:145-153. Feb.1963. 57.8 P34Ae
- PELSHENKE, P. F., SEIBEL, W., and ZWINGELBERG, H. Further research into damaging of the starch during reducing and sifting of flours. 25 p. Transl. 13646
- Translation from Die Muhle 99(9):103-106. Mar.1,1962.
- PELSHENKE, P. F. The redox potential and its relation to baking value of wheat flours. 13 p. Transl. 13459
- Translation from Brot und Gebäck 16(9):161-165. Sept.1962.
- PENEV, P. Some basic questions for reducing the cost of tractor jobs. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 138:49-61. Mar.29,1963. 173 J663Ste
- Translation from Schetovodstvo i Kontrol 9: 24-30. Nov.1962.
- P'ENG, J., T'ENG, W., and LUNG, C. Medicinal herbs procured timely in Yunnan and Kwangsi. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 76:82-87. Dec.12,1963. 173 J663Trc
- Translation from Ta Kung Pao, Oct.30,1963:2.
- PENSO, G., and BALDUCCI, D. Tissue cultures in biological research. 468 p. Ref. 444 P38Ae
- Translation of Le colture dei tessuti nella ricerca biologica.
- \*PEPELYAYEV, B. V., and TEREKHOV, M. I. Occurrences of Psilophyton in the Devonian along the middle reaches of the Kolyma. Acad. Sci. USSR, Dok. Earth Sci. Sect. 143(1/6):63-64, map. Feb.1964. 511 P444Aee
- \*PEREVERZEV, V. N. Influence of cultivation on the change in the chemical composition and agrochemical properties of bog soils in the Murmanskaya Oblast'. Soviet Soil Sci. 5:441-450. Ref. May 1963. 57.8 P34Ae
- PERISIC, E. M. Cooperation in pomiculture and viticulture in some agricultural cooperatives. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 170:42-73. June 11,1963. 173 J663Ste
- Translation from Poljoprivreda i Zadrugarstvo 10(2):17-25. Feb.1963.
- PERRIN, H. The fixation of maritime dunes in France. 19 p. Transl. 13873
- Translation from Annales de l'Ecole Nationale des Eaux et Forêts et de la Station de Recherches et Expériences Forestières 2: 231-254. 1928.
- PERRIN, H. Forest impressions from Yugoslavia. 33 p. Transl. 13872
- Translation from Revue des Eaux et Forêts. Ser. VII. 70:471-481, 561-572, 647-654. [n.d.]
- PERRIN, H. Forest research in France. 14 p. Transl. 13874
- Translation from Annales de l'Ecole Nationale des Eaux et Forêts et de la Station de Recherches et Expériences Forestières 11:139-154. 1928.
- \*PERTSEVA, M. N. Lactic acid levels in the developing chick embryo. Biochemistry (Biokhimiya) 26(2):228-232. Ref. Sept./Oct.1961. 385 B523Ae

- PERUANSKII, YU. V., and MIUSOV, I. N. On the biochemistry of *Piricularia oryzae*. 6 p. Transl. 13348  
Translation from Vestnik Sel'skokhozyai-stvennoi Nauki 3:39-43. Mar.1963.
- PERVOMAISKII, G. S., and TUMKA, A. F. On the occasion of the 80th birthday of Academician Evgenii Nikanorovich Pavlovskii. 7 p. Transl. 14020  
Translation from Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii 41(5):14-19. May 1964.
- \*PETERBURGSKII, A. V., and NELYUBOVA, G. I. Procedure for determining the total anion-exchange absorptive power of roots by the adsorption method. Soviet Plant Physiol. 9(5):520-521. Mar./Apr.1963. 450 F58Ae
- PETITMERMET, M. The influence of legislation and methods of silviculture upon Swiss forest economy. 9 p. Transl. 13875  
Translation from Journal Forestier Suisse 82(7):149-160,180-186. 1931.
- PETKOVSEK, V. Morphological, taxonomical and typological problems concerning *Echinocystic lobata* (Michaux) Torrey and Gray. 38 p., map. Ref. (OTS 61-11282)  
Transl. 13647  
Translation from Slovenska Akademija Znanosti in Umetnosti. Razprave 4:85-124. 1958.
- PETOHAZI, G. Awards of premiums to technical and administrative employees of state farms and to workers of production Directorates: Hungary. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 231:1-7. Mar.4,1964. 173 J663Ste  
Translation from Mezogasdazagi Ertesito 15 (4):54-56. Jan.22,1964.
- PETRENKO, A. G., and BELYAKOVA, Z. P. Changes in chlorophyll and nitrogenous substances of different colour tobacco leaves in the periods of ripening and curing. 15 p. Ref. Transl. 13648  
Translation from Krasnodar. Vsesoyuznyi Nauchno-Issledovatel'skii Institut Tabaka i Makhorki. Sbornik Nauchno-Issledovatel'skikh Rabot 152:131-140. 1961.
- PETRENKO, B. G., and others. Anti-foot-and-mouth disease blood crystal violet vaccine. 3 p. Transl. 13398  
E. V. Andreev, V. I. Rotov, I. E. Tolstyak, P. A. Konozenko, A. A. Omelaenko, M. D. Bakumenko, and N. P. Chechetkina, joint authors.  
Translation from Veterinariya 7:9-10. July 1963.
- PETRINI, S. An error in Faustmann's formula. 8 p. Transl. 13877  
Translation from Tharandter Forstliches Jahrbuch 86(4/5):246-252. [n.d.]
- PETRINI, S. A twenty-five-year experiment with natural reproduction in the Norrlandish raw humus Norway spruce forest. 5 p. Transl. 13876  
Translation from Sweden. Statens Skogs-forsoksanstalt Meddelanden 27:285-288. 1932/1934.
- PETROFF, A. G. Improvement of farmlands by forest planting. 83 p. Transl. 13878  
Partial translation from Agrolesomeliaratsiya, p.80-81,90-170. 1933.
- PETROV, D. Concentration and specialization in animal husbandry in TKZS and the organization of a feed base for them. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 150:28-38. Apr.24,1963. 173 J663Ste  
Translation from Zhivotnovudstvo 17(1):37-42. Jan.1963.
- \*PETROV, D., and ZHELEZNOVA, N. B. Experimental androgenesis in the maize. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1335-1336. Ref. May/June 1963. 511 P444Aeb
- PETROV, G. Taxation of collective farms. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 243:1-12. Apr.20,1964. 173 J663Ste  
Translation from Finansi i Kredit 1:26-36. Jan.1964.
- PETROV, I. A. Method of injections and its value in the transformation of the nature of cereal crops. 62 p. Transl. 13307  
Translation from Akademiya Nauk SSSR. Karel'skii Filial. Trudy 17:5-37. 1959.
- PETROV, K. Income in the TKZS—the basis for increasing the rate of increased production; Bulgaria. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 235:1-10. Mar.23,1964. 173 J663Ste  
Translation from Otchetnost i Kontrol v Sel'skoto Stopanstvo 12:545-551. Dec.1963.
- \*PETROVA, D. V. Characteristics of gas exchange in the caterpillar of the Chinese oak silkworm moth [*Antheraea pernyi*] during ecdysis. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 151 (1/6):1037-1039. Jan./Feb.1964. 511 P444Aeb
- \*PETROVA, D. V. Summer sleep of the Colorado beetle (*Leptinotarsa decemlineata* Say) in the Transcaucasian Region of Ukraine SSR. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1292-1295. Ref. May/June 1963. 511 P444Aeb
- PETROVIC, D. Foreign varieties of forest trees (exotics) in Serbia. 169 p. Ref. (OTS-60-21630) 463.3 B41  
Translation of Strane vrste drveca (egzoti) u Srbiji.
- PETROVIC, M. Cooperative activity in crop production. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 217:26-39. Jan.3,1964. 173 J663Ste  
Translation from Poljoprivreda i Zadrugarstvo 10(10):11-21. Oct.1963.
- PETROVIC, M. Motive power in the general agricultural cooperatives. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 217:40-48. Jan.3,1964. 173 J663Ste  
Translation from Poljoprivreda i Zadrugarstvo 10(10):42-48. Oct.1963.
- \*PEYVE, YA. V. Strengthening the ties of science and production. Soviet Soil Sci. 5:409-412. May 1963. 57.8 P34Ae
- PEZACKI, W., and others. The effect of air temperature and humidity in the ripening chamber on the development of the surface microflora of Hungarian salami. 7 p. (OTS 61-31265) Transl. 13370  
H. Opuszynska, B. Dzierzynska, and A. Goj, joint authors.  
Translation from Medycyna Weterynaryjna 13(9):526-532. 1957.
- PHAM, H. Let us concentrate our strength to firmly settle the food problem. U. S. Joint P. Res. Serv. Trans. Hoc Tap (Studies). No. Vietnam 10:22-42. Dec.20,1963. 173 J663Th  
Translation from Hoc Tap 10. Oct.1963.
- PICHAK, G. Increasing reliability of electrical power supply to rural consumers. 2 p. (OTS 63-11050) Transl. 13504  
Translation from Tekhnika v Sel'skom Khozyaistve p. 43-44. Jan.1960.
- PIENIAZEK, S. A. Horticulture—present situation and projected development: Poland. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 230:9-14. Feb.29,1964. 173 J663Ste  
Translation from Nowe Rolnictwo 1:39-41. Jan.1964.
- \*PIGULEVSKII, G. V., and KOVALEVA, V. I. A new sesquiterpene from essential oil of *Artemisia taurica* Willd. J. Gen. Chem. USSR 33(2):698. Feb.1963. 385 Z6Ae
- \*PIGULEVSKII, G. V., and BOROVKOV, A. V. Sesquiterpenes of the essential oil in the fruit of *Libanotis transcaucasica* Schischk, grown in different regions of the USSR. J. Appl. Chem. USSR 36(4):794-798. Apr.1963. 385 Z64Ae
- \*PIGULEVSKII, G. V., and BOROVKOV, A. V. Sesquiterpenes of essential oil of fruits of *Libanotis transcaucasica* Schischk. (Golubozerskii form. introduced). J. Appl. Chem. USSR 36(4):884-886. Apr.1963. 385 Z64Ae



- \*PIGULEVSKII, G. V., and BOROVKOV, A. V. Sesquiterpenes of essential oil of fruits of *Libanotis transcaucasica* Schischk. growing in the Stavropol area. J. Appl. Chem. USSR 36 (4):880-883. Apr.1963. 385 Z64Ae
- PILAT, L. The toxicity of organophosphorus insecticides. 5 p. Transl. 13908  
Translation from Muncitorul Sanitar Feb.8, 1964:3.
- PILIPENKO, V. G., and MIROSHNICHENKO, M. G. Compatibility of STI anthrax vaccine with plague, tularemia and brucellosis vaccines. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 23(3,pt.2):T551-T554. Ref. May/June 1964. 442.9 F31P
- \*PILIPENKO, V. G. The prevalence of natural foci of tularemia and methods of eliminating its incidence in the Caucasus and Transcaucasia. J. Microbiol. Epidemiol. & Immunobiol. 32(5):800-809, map. 1961, pub.1962. 448.3 Z4Ae
- PILLETTE, M. The improvement of cottonseed by mechanical sorting. 7 p. Transl. 13498  
Translation from Oleagineux 17(6):565-570. 1962.
- PILLICHODY, A. The part of forests in the sagnes of the Jura. 5 p. Transl. 13880  
Translation from Journal Forestier Suisse 83 (7):169-175. 1932.
- PIRATZKY, W., and SCHONE, I. Contribution for an evaluation of brewing barley. I. Development of the physiological functions during germination. 18 p. Ref. Transl. 13649  
No source of translation given.
- PISARSKI, G. Milk problems and suggested solutions—how to overcome stagnation. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 219:1-10. Jan.20,1964. 173 J663Ste  
Translation from Zycie Gospodarcze 50:3-4. Dec.15,1963.
- \*PIS'MEROV, A. V. Influence of pine biogroups on the quality of the humic horizon. Soviet Soil Sci. 6:651-653. June 1962. 57.8 P34Ae
- PISZCZEK, J. General characteristic of the soils in Szczecin Province. 17 p. Ref. (OTS 61-31324) Transl. 13373  
Translation from Roczniki Gleboznawcze 9:87-101. 1960.
- \*PLAKUNOVA, V. G. Methods of quantitative assay of trioses and glycerol in microbial cultures. Microbiology 31(6):886-888. May/June 1963. 448.3 M582Ae
- PLANK, R. The cold storage capacity of foods as a function of temperature. 17 p. Ref. Transl. 13650  
Translation from Kaltetechnik 11(10):306-310. [n.d.]
- \*PLASHCHEV, A. V. Ground water regime in pine plantations in the Donets steppe. Soviet Soil Sci. 3:281-285. Mar.1963. 57.8 P34Ae
- \*PLATNENKO, M. A. Representation of soil on aerial photographs in western Siberia. Soviet Soil Sci. 2:158-164. Feb.1962. 57.8 P34Ae
- \*PLATONENKO, M. A. Quantitative description of airphoto interpretation indices for soils using correlation coefficients. Soviet Soil Sci. 1:54-60. Jan.1963. 57.8 P34Ae
- \*PLETSITYI, D. F., and KRASNYANSKAYA, V. G. Changes in the activity of the lysozyme of the white of the chick egg during embryogenesis. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 149(1/6):381-383. Sept./Oct.1963. 511 P444Aeb
- \*PLOTNIKOVA, G. P. New fungus-gnats (Diptera, Fungivoridae S. L.) from west Siberia. I. Ent. Rev. 41(4):552-558. Oct./Dec. 1962. 421 R322Ae
- \*PLUZHICHENKO, T. F. The feeding habits of flax flea beetles (Coleoptera, Chrysomelidae). Ent. Rev. 42(2):151-154. Ref. Apr./June 1963. 421 R322Ae
- POBEGAJLO, I. Tests on the control fowl-brood. 23 p. Ref. (OTS 60-21687) Transl. 13663  
Translation from Radovi Naucnog Drustva Bosne i Hercegovine 5(1):205-221. 1955.
- \*POBEREZKIN, M. N. Clinical and epidemiological observations in a focus of brucellosis infection in horses. J. Microbiol. Epidemiol. & Immunobiol. 32(5):923-924. 1961, pub.1962. 448.3 Z4Ae
- PODHORSKY, J. The detrimental qualities (from the silvicultural point of view) of the fohn and silvicultural measures to be taken against them. 19 p. Transl. 13881  
Translation from Schweizerische Zeitschrift fur Forstwesen 78(11):345-357, 390-397. 1927.
- POGONYAILO, M. G. Eradication of hog cholera among suckling pigs of autumn-winter farrows. 2 p. Transl. 13428  
Translation from Veterinariya 11:37. Nov. 1963.
- POGOSYAN, S. A. Heterosis and its utilization in grape breeding. 10 p. Transl. 14021  
Translation from Vinodelie i Vinogradarstvo SSSR 23(2):20-27. 1963.
- \*POL'SKIY, M. N. Some new techniques for preparing thin sections of soils. Soviet Soil Sci. 10:1197-1204. Ref. Oct.1962. 57.8 P34Ae
- POLULYAKH, P. A., and GREBENYUK, R. V. Study of Dermacentor ticks as vectors of *Bacterium pestis* under experimental conditions. 2. 7 p. Transl. 13909  
Translation from Akademiya Nauk Kirgizskoi SSR. Izvestiya. Seriya Biologicheskikh Nauk 4 (4):65-69. 1962.
- POLYAKOV, A. F. Mud-torrent phenomena in the Carpathians, and causes of their intensification. 5 p. (OTS 63-11022) Transl. 13538  
Translation from Meteorologiya i Gidrologiya 8:27-29. 1959.
- \*POLYAKOV, YU. A., LEONT'YEV, A. M., and MEL'NIKOV, L. K. Certain aspects of  $Sr^{90}$  fallout in the middle latitudes of the USSR. Soviet Soil Sci. 11:1256-1259. Ref. Nov.1962. 57.8 P34Ae
- \*POLYAKOVA, I. N. Distribution of hydrocarbon-oxidizing microorganisms in water of Neva Bay. Microbiology 31(6):872-876. Ref. May/June 1963. 448.3 M582Ae
- \*PONOMAREVA, A. A. On bees (Hymenoptera, Apoidea) as pollinators of some steppe plants in Central Kazakhstan. Ent. Rev. 41(1):43-46. Jan./Mar.1962. 421 R322Ae
- \*PONOMAREVA, N. S. Role of the biological factor in the formation of alkali in solonchets. Soviet Soil Sci. 9:920-928. Sept.1962. 57.8 P34Ae
- \*PONOMAREVA, V. V. Role of humus substances in the formation of Brown Forest soil. Soviet Soil Sci. 12:1335-1344. Ref. Dec.1962. 57.8 P34Ae
- POPESCU, C. Ensuring seeds and planting material in Rumania. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 125:42-49. Feb.27,1963. 173 J663Ste  
Translation from Revista Internationala Pentru Agricultura 6:34-36. Nov./Dec.1962.
- POPLAUKHIN, S. Economic losses due to foot-and-mouth disease. 2 p. Transl. 13594  
Translation from Sel'skoe Khozyaistvo Sibiri 4:51-52. 1961.
- POPLAUKHIN, S. G. Foot-and-mouth (FMD) disease virus survival time in slaughtered-cattle products. 2 p. Transl. 13596  
Translation from Veterinariya 10:70-71. 1961.
- POPOV, M. G. On the system and phylogeny of the genus *Mertensia* Roth (Boraginaceae), based on the comparison of American and Asiatic species. 18 p. Transl. 13465  
Translation from Akademiya Nauk SSSR. Botanicheskii Institut im. V. L. Komarova. Gerbarii. Botanicheskie Materialy v. 15. 1953.

- POPOV, N. Material incentives for production plans. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 20:25-33. Dec.30,1963. 173 J663Tso  
Translation from Planovoe Khozyaistvo 11: 48-53. Nov.1963.
- POPOV, P., and POPOV, T. The prospects of a long-range solution of the grain problem. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 195:1-29 Sept.10,1963. 173 J663Ste  
Translation from Selskостopanska Nauka 2 (3/4):285-298. June 1963.
- POPOV, T. Guaranteed minimum wages in the cooperative farms. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 171:1-26. June 11,1963. 173 J663Ste  
Translation from Ikonomicheskaya Misul 3:31-42. Mar.1963.
- \*POPOVA, T. E. Vertical distribution of micro-organisms in irrigated typical serozems. Microbiology 32(1):81-83. July/Aug.1963. 448.3 M582Ae
- \*POSPIHIL, F. Electrophoresis of humus substances and their complexes with copper. Soviet Soil Sci. 12:1357-1362. Ref. Dec.1962. 57.8 P34Ae
- POTAPOV, KH., and ZAKUSILO, P. Way to save expenditures for the production of agricultural products. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 10:29-52. May 6,1963. 173 J663Tso  
Translation from Voprosy Ekonomiki 12:60-69. Dec.1962.
- \*POZIN, S. S., and YUR'EV, V. I. A study of the electrokinetic properties of viscose cellulose with respect to solutions of iron compounds. J. Appl. Chem. USSR 36(2):364-367. Feb.1963. 385 Z64Ae
- POZNOKHIRIN, F., and MAKEYEV, G. Let engines be heard on the farms (encourage livestock workers for the introduction of new equipment). U. S. Joint P. Res. Serv. Transl. Soviet Agr. 11:35-40. May 13,1963. 173 J663Tso  
Translation from Ekonomicheskaya Gazeta 13:15-16. Mar.30,1963.
- PRIEZZHEV, G. V. Matching parental pairs in order to produce intervarietal buckwheat hybrids. 6 p. Transl. 13563  
Translation from Moskovskaya Ordena Lenina Sel'skokhozyaistvennaya Akademiya imeni K. A. Timiryazeva. Doklady 77:79-84. 1962.
- PRIEZZHEV, G. V. Use of heterosis in buckwheat breeding. 15 p. Ref. Transl. 13429  
Translation from Timiryazevskaya Sel'skokhozyaistvennaya Akademiya. Izvestiya 46:47-58. 1962.
- PRIOL, J. Flower, fertilization and fertility biology of the apple tree. 250 p. Ref. (OTS 60-21691) 21.5 Z15  
Translation from Zbornik za Kmetijstvo in Gozdarstvo 2:1-258. 1956.
- \*PRIVALOV, G. F. Experimental mutation of the vegetative organs of trees. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):718-721. Nov./Dec.1963. 511 P444Aeb
- PROKHOROV, M. I. From the work of the Vsesoyuznyi Nauchno-Issledovatel'skii Institut Sel'skokhozyaistvennoi Mikrobiologii. U. S. Joint P. Res. Serv. [Transl.] Soviet Sci. & Agr., Sept.10,1962:14-20. 173 J663Ssa  
Translation from Zashchita Rastenii ot Vreditei i Boleznei 11:23-24. 1961.
- \*PROKOF'EV, A. A., and KATS, K. M. Transpiration of fruits and inflorescences relative to meteorological factors and age of plants. Soviet Plant Physiol. 10(2):162-167. Ref. Sept./Oct.1963. 450 F58Ae
- \*PROSKURNINA, N. F. The alkaloids of Leucosium aestivum. J. Gen. Chem. USSR 33(5):1643-1644. May 1963. 385 Z6Ae
- PROSSER, J., and VRBA, J. Specialization in Strakonice. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 203:1-5. Oct.17,1963. 173 J663Ste  
Translation from Ekonomika Zemedelstvi 2(9):259-260. Sept.1963.
- \*PUGACH, F. L., and SHEVCHENKO, T. G. State of the soil problem in school geography. Soviet Soil Sci. 9:979-983. Ref. Sept.1962. 57.8 P34Ae
- PUREBJAB, C. The youth is a great force. U. S. Joint P. Res. Serv. Transl. Mongolia 43: 43-51. Dec.31,1963. 173 J663Tmo  
Translation from Namyn Am'dral 9:16-19. Sept.1963.
- PUSHKIN, A. A., and KRAS'KO, I. YE. Reorganization of sovkhoz-planning system to ensure greater centralization and clearer delineation of responsibilities. U. S. Joint P. Res. Serv. Transl. Soviet Econ. System: Struct. & Policy 91:7-11. Aug.26,1963. 173 J663Sove  
Translation from Sovetskoe Gosudarstvo i Pravo 7:99-106. July 1963.
- \*PUSTOVOYTOV, N. D. Influence of seasonal freezing on the water regime of Amur soils. Soviet Soil Sci. 6:575-583. Ref. June 1962. 57.8 P34Ae
- PYATNITSKII, S. S. Natural reproduction in the Chuguevo-Babchansk oak forest. 30 p. Transl. 13879  
Translation from Chuguevo-Babchansk Lesnaya Opytnaya Stantsiya. Trudy 1:53-97. 1963.
- \*PYIKLIK, K. M. Accumulation and utilization of sugars in relation to overwintering in winter crops. Soviet Plant Physiol. 10(2):104-108. Sept./Oct.1963. 450 F58Ae
- RADOVANOVIC, B. The administration of agricultural cooperatives under the present conditions of their development. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 173:52-79. June 18,1963. 173 J663Ste  
Translation from Poljoprivreda i Zadrugarstvo 10(3):3-11. Mar.1963.
- RADOVANOVIC, B. The possibilities for increasing the socialized land area. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 197:6-54. Sept.16, 1963. 173 J663Ste  
Translation from Poljoprivreda i Zadrugarstvo 10(6):3-14. June 1963.
- RADULOV, L. The prices of agricultural products. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 186:1-22. July 29,1963. 173 J663Ste  
Translation from Ikonomicheskaya Misul 5:44-55. May 1963.
- RALSKI, E., and MIKOLAJEWICZ, T. Studies on susceptibility of barley varieties to powdery mildew (Erysiphe graminis DC f. hordei Marchal). 21 p. Ref. (OTS 61-31271) Transl. 13526  
Translation from Hodowla Roslin, Aklimatyzacja i Nasiennictwo 2(3):313-332. 1958.
- \*RAPOPORT, I. A. Overcoming a universal mutation barrier with over 100% X-chromosome mutations. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 148(1/6):104-106. July/Aug.1963. 511 P444Aeb
- RATGAUZ, M. Improved planning of agricultural production costs. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 21:48-57. Dec.31, 1963. 173 J663Tso  
Translation from Planovoe Khozyaistvo 10: 61-65. Oct.1963.
- \*RATNER, E. I., and AKIMOCHKINA, T. A. The role of molybdenum and vitamins in assimilation of nitrate nitrogen by plants. Soviet Plant Physiol. 9(6):529-537. Ref. May/June 1963. 450 F58Ae
- \*RATNER, E. I., and UKHINA, S. F. Transformation of externally absorbed amino acids in corn roots. Soviet Plant Physiol. 10(4):331-335. Jan./Feb.1964. 450 F58Ae
- RAUHE, K. Final considerations for agricultural science in the area of crop farming as a result of the evaluations of the Sixth Party Congress. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 175:24-32. June 20,1963. 173 J663Ste  
Translation from Die Deutsche Landwirtschaft 14(5):221-224. May 1963.



- RAUNKIAER, C. Statistical investigations of plant formations. 51 p. Ref. Transl. 13712  
Translation from Biologische Meddelelser 1 (3):1-80. 1918.
- \*RAUTENSHTAIN, YA. I. Bacteriophage of lactic acid streptococci and its control in the dairy industry. Microbiology 31(6):914-917. May/June 1963. 448.3 M582Ae
- \*RAUTENSHTAIN, YA. I., and RETINSKAYA, V. I. Comparative study of the effect on Actinomyces erythreus of specific actinophages of varying virulence. Microbiology 32(4):548-553. Ref. Jan./Feb. 1964. 448.3 M582Ae
- \*RAUTENSHTAIN, YA. I., and SOLOV'eva, N. YA. On UV induction of temperate phage formation by a lysogenic culture of Act. venezuelae. Microbiology 32(2):218-223. Sept./Oct. 1963. 448.3 M582Ae
- \*RAZORENOVA, N. A. Activity of the All-Union Society of Soil Scientists during 1962. Soviet Soil Sci. 5:496-502. May 1963. 57.8 P34Ae
- \*RAZORENOVA, N. A. Annual report of the All-Union Society of Soil Scientists for the year 1961. Soviet Soil Sci. 6:660-664. June 1962. 57.8 P34Ae
- \*REIFER, I., and MORAWSKA, G. An arginase inhibitor from sunflower seeds (Helianthus annuus). Acta Biochim. Polon. 10(4):413-417. 1963. 385 Ac85Ae
- REINHOLD, A. Review of East German food supply situation. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 169:1-18. June 10, 1963. 173 J663Ste  
Translation from SBZ-Archiv 14(6):88-93. Mar. 1963.
- REJCHR, O. Comparison of results of state farms. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 223:1-10. Jan. 31, 1964. 173 J663Ste  
Translation from Statni Statky 5(11):162-163. Nov. 1963.
- \*REMEZOV, N. P. Humic-gleyed soils of the black alder stands. Soviet Soil Sci. 10:1119-1129. Oct. 1962. 57.8 P34Ae
- \*REZNIKOV, V. M., and PONUROV, G. D. On the lignin obtained from the wood of Siberian spruce by Bjorkman's method. J. Appl. Chem. USSR 36(5):1017-1022. Ref. May 1963. 385 Z64Ae
- \*RICHTER, V. A. Robber flies of the genus Dismachus Loew (Diptera, Asilidae) in the Caucasian fauna. Ent. Rev. 41(2):266-272. Apr./June 1962. 421 R322Ae
- RIEDEL, L. On the problem of bound water in meat. 26 p. Transl. 13653  
Translation from Kaltetechnik 13(3):122-128. 1961.
- RIEGEROWA, H., and SLABONSKI, A. Smut resistance of corn varieties investigated by the method of field infection. 30 p. Ref. (OTS 61-31272) Transl. 13383  
Translation from Hodowla Roslin, Aklimaty-zacja i Nasiennictwo 1(1):31-57. 1957.
- \*RIKHTER, V. A. New species of robber-flies (Diptera, Asilidae) from the Caucasus. Ent. Rev. 42(2):248-254. Apr./June 1963. 421 R322Ae
- RIMBU, I. The forest economy in full development. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 225:9-12. Feb. 19, 1964. 173 J663Ste  
Translation from Muncitorul Forestier 15 (508):1,3. Dec. 26, 1963.
- RITTER, Natural regeneration of pine with transformation of pure pine stands into mixed stands in the chief forest district of Uetze (adm. of Luneburg, Province of Hannover). 7 p. Transl. 13891  
Translation from Zeitschrift fur Forst- und Jagdwesen 60:725-731. 1928.
- RIVENSON, S., PLANES DE BANCHERO, E. and ZAKIN, M. M. Identification of the foot-and-mouth disease virus by the fluorescent antibody technique. 9 p. Transl. 13654  
Translation from Revista de Investigaciones Ganaderas 15:275-284. Ref. 1962.
- \*RODE, A. A. Soil regimes, purposes and general methods of their study. Soviet Soil Sci. 6:519-526. June 1963. 57.8 P34Ae
- \*RODE, A. A., and POL'SKIY, M. N. Water regime and balance of virgin soils of the solonchic complex. Soviet Soil Sci. 3:237-249, map. Ref. Mar. 1962. 57.8 P34Ae
- RODE, A. A. Water regimes of soils and their types. 34 p. Ref. (OTS 60-21134) Transl. 13980  
Translation from Pochvovedenie 4:1-23. Apr. 1956.
- \*RODE, A. A. Work of the International Committee on Soil Physics Terminology. Soviet Soil Sci. 12:1405-1409. Dec. 1962. 57.8 P34Ae
- \*RODE, O. D. Soils of the oak forest in the flood plain of the Volga-Akhtuba valley. Soviet Soil Sci. 8:831-834. Aug. 1962. 57.8 P34Ae
- \*RODENDORF, B. B. New and little known Caliphorinae and Sarcophaginae (Diptera, Larvaevoridae) from Asia. Ent. Rev. 41(4):576-581. Oct./Dec. 1962. 421 R322Ae
- RODER, W. On the expansion of cultivation and fodder characteristics of lucerne in East Germany. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 225:1-8. Feb. 19, 1964. 173 J663Ste  
Translation from Deutsche Landwirtschaft 1:34-36. Jan. 1964.
- \*RODINA, A. G., and KUZ'MITSKAYA, N. K. Abundance and distribution of bacterioplankton in L. Ladoga. Microbiology 32(2):248-253, map. Sept./Oct. 1963. 448.3 M582Ae
- \*RODOMAKIN, A. F. Classification and mapping of deflated soils. Soviet Soil Sci. 2:167-170, map. Ref. Feb. 1963. 57.8 P34Ae
- ROHRER, H., and SCHINDLER, W. Mouth-and-hoof disease and its present incidence in the GDR. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 128:48-62. Mar. 7, 1963. 173 J663Ste  
Translation from Die Deutsche Landwirtschaft 14(1):37-40. Jan. 1963.
- ROHRLICH, M., and HOPP, V. Change of vitamin and mineral substance distribution in the kernel of cereals by hydrothermic treatment. 19 p. Transl. 13458  
Translation from Zeitschrift fur Lebensmittel-Untersuchung und -Forschung 114(4):269-279. 1961.
- \*ROKTANEN, ZH. L. Influence of root nutrition on the behavior of the tomato under reduced illumination during the formative period of the sexual elements of the reproductive organs. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 149(1/6):535-537. Ref. Sept./Oct. 1963. 511 P444Aeb
- ROMAN, T. Assessment of wheat varieties from the point of view of suitability for mechanical harvesting. 30 p. Ref. (OTS 61-31274) Transl. 13382  
Translation from Hodowla Roslin, Aklimaty-zacja i Nasiennictwo 3(6):751-790. 1959.
- ROMANOW, A. The problems of agricultural circles. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 181:26-53. July 16, 1963. 173 J663Ste  
Translation from Wies Wspolczesna 5:36-48. May 1963.
- \*ROMASHKEVICH, A. I. Microstructure and microaggregation of soils as related to sheet erosion and the formation of alluvium. Soviet Soil Sci. 10:1156-1161. Oct. 1962. 57.8 P34Ae
- \*ROOMA, I. P., and REYNTAM, L. YU. Compilation of large scale soil maps in the Estonian SSR. Soviet Soil Sci. 3:259-262. Ref. Mar. 1962. 57.8 P34Ae
- ROSA, J. Exchange of experience within the bloc. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 216:1-11. Dec. 31, 1963. 173 J663Ste  
Translation from Mezinarodni Zemedelsky Casopis 4:71-74. 1963.

- ROSENKRANZ, O. Transition to industrial production in agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 139:13-23. Apr. 1, 1963. 173 J663Ste  
Translation from Zeitschrift fuer Agrar-  
oekonomik 6(2):53-56. Feb. 1963.
- ROSTEL, H. J., and SCHULZE, E. Suggestions for the cultivation of monocarpous sugar beet. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 155:30-44. May 6, 1963. 173 J663Ste  
Translation from Wissenschaftlich-Technischer Fortschritt fur die Landwirtschaft 4(2): 74-78. Feb. 1963.
- ROSTOVTSOVA, I. A., and SALAZHOV, E. L. Effect of identity of antigenic characteristics of epizootic and industrial strains of the foot-and-mouth disease virus in specific prophylaxis. 16 p. Transl. 13323  
Translation from Veterinariya 3:17-23. Mar. 1963.
- ROUSSAKOFF, L. F. Peculiarities of the microclimate in the midst of plants and development of cereal rusts. 18 p. Transl. 13276  
Translation from All-Russian Entomological Congress, 4, Moscow, Dec. 8-14, 1922. p. 201-216. 1924.
- \*ROVINSKIY, F. YA. Methods of extracting radioactive elements from soil. Soviet Soil Sci. 6:654-656. June 1962. 57.8 P34Ae
- \*ROZANOV, B. G., and ROZANOVA, I. M. Soil of the arid monsoon tropical zone of Burma. Soviet Soil Sci. 3:294-301. Ref. Mar. 1962. 57.8 P34Ae  
ROZANSKI, M. Relation between Atterberg limits and moisture of capillary saturation. 8 p. (OTS 61-31306) Transl. 13266  
Wroclaw, Wyzsza Szkola Rolnicza. Zeszyty Naukowe 13:175-182. 1958.
- \*ROZHNOVA, T. A. Biogeochemical characteristics of terrains on the Karelian Isthmus. Soviet Soil Sci. 6:592-600. Ref. June 1962. 57.8 P34Ae  
ROZOV, N. N. Principles of elaborating a genetic classification of soils. 8 p. (OTS 61-31001) Transl. 13384  
Translation from Pochvovedenie 6:76-83. 1956.
- RUBENCHIK, L. L. Azotobacter and its use in agriculture. 278 p. Ref. (OTS 63-11076) 57.52 R82Ae  
Translation of Azotobakter i ego primenenie v sel'skom khozyaistve.
- \*RUBILIN, YE. V. Prairie soils of North America. Soviet Soil Sci. 6:610-617. Ref. June 1962. 57.8 P34Ae  
RUBIN, B. A., and ARTSIKHOVSKAYA, E. V. Biochemistry and physiology of plant immunity. 358 p. 464.41 R82Be  
Translation of Biokhimiya i fiziologiya imuniteta rastenii.
- \*RUBIN, B. A., CHERNAVINA, I. A., and KRENDELEVA, T. E. Certain characteristics of metabolism of variegated plants. Acad. Sci. USSR, Dok. Biol. Sci. Sect. 147(1/6):1438-1440. May/June 1963. 511 P444Aeb
- RUBIN, B. A., and IVANOVA, T. M. The role of amino acid oxidases in the immunity of cabbage to Botrytis cinerea. 19 p. Ref. (OTS 63-19457) Transl. 13979  
Translation from Akademiya Nauk SSSR. Institut Biokhimii. Biokhimiya Plodov i Ovoshchei 5:113-132. 1959.
- \*RUBIN, B. A., CHERNAVINA, I. A., and KARTASHOVA, E. R. Some aspects of iron metabolism during iron-manganese chlorosis. Soviet Plant Physiol. 9(6):525-528. May/June 1963. 450 F58Ae
- \*RUBIN, B. A., and OZERETSKOVSKAYA, O. L. Uncoupling of oxidation from phosphorylation in necrotized tissues of potato tubers. Biochemistry (Biokhimiya) 28(1):61-67. Ref. Jan./Feb. 1963. 385 B523Ae
- RUBNER. Fog precipitation in forests and its measurement. 21 p. Transl. 13896  
Translation from Tharandter Forstliches Jahrbuch 83:121-149. 1932.
- RUBNER. Fog precipitation in forests and its measurement. II. 10 p. Transl. 13897  
Translation from Tharandter Forstliches Jahrbuch 86(6):330-342. 1935.
- \*RUBTSOV, I. A. On criteria of allopatric species of the group Odagmia ornata Mg. (Diptera, Simuliidae). Ent. Rev. 41(4):559-569. Ref. Oct./Dec. 1962. 421 R322Ae
- RUCHKIN, V. N. An attempt to prove by experiments the influence of climatic factors on the physiological-chemical characteristics of plants. 10 p. Transl. 13898  
Translation from Sibirskii Institut Sel'skogo Khozyaistva i Lesovodstva. Trudy 9(4):237-244. 1928.
- RUDAKOV, A. P., and KUVSHINSKII, E. V. The mechanization of abrasion of vulcanized rubber. Rubber Chem. & Technol. 37(1):291-296. Jan./Mar. 1964. 78.8 R822  
Translation from Vysokomol. Soed. 5(3):417-423. 1963.
- RUDENKO, I. E., and KORZH, M. YA. New features in the mechanization of livestock farm belonging to the "Kievskii" sovkhos. 45 p. Transl. 13578  
Translation of Novoe v mekhanizatsii na fermakh sovkhos "Kievskii."
- RUDENKO, N., and SPASIBIN, I. Elixir for greater weight increase. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 11:29-31. May 13, 1963. 173 J663Tso  
Translation from Ekonomicheskaya Gazeta 13:13. Mar. 20, 1963.
- \*RUSANOVA, G. V. Study of leaching and migration of radium in soils. Soviet Soil Sci. 9: 962-964. Ref. Sept. 1962. 57.8 P34Ae
- RUSSO, G. A., ed. Hydroelectric power stations of the Volga and Kama cascade systems. 354 p. Ref. (OTS 61-31060) 292.4 R92Ae  
Translation of Volzhskii i Kamskii Kaskady Gidroelektrostantsii.
- RUTTNER, F. Fundamentals of limnology. Ed. 3. Toronto, U. Toronto Press, 1963. 295 p. Ref. 409 R933Ae  
Translation of Grundriss der Limnologie (Hydrobiologie des Sussewassers)
- \*RYABOKLYACH, V. A., SAVITSKAYA, M. N., and KHOMENKO, A. D. The effect of polymers on the physical properties of soils and on the yield of agricultural crops. Soviet Soil Sci. 6: 589-598. Ref. June 1963. 57.8 P34Ae
- \*RYBAKOVA, M. I. The role of oligosaccharides and their dynamics in the evaluation of winter hardiness in winter wheat and rye. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 148(1/6): 244-246. July/Aug. 1963. 511 P444Aeb
- \*RYBALKO, K. S. Sesquiterpenic lactones of white and Austrian wormwoods (Artemisia leucodes Schrenk and A. austriaca Jacq.). J. Gen. Chem. USSR 33(8):2663-2667. Aug. 1963. 385 Z6Ae
- \*RYZHKOVA, YE. V. Phytopathogenic symbionts of Oscinella frit L. and O. pusilla Mg. (Diptera, Chloropidae) and their practical use. Ent. Rev. 41(4):490-494. Ref. Oct./Dec. 1962. 421 R322Ae
- \*RYZHOV, S. N. Present level of productivity, problems concerning the irrigation and classification of soils in the republics of Central Asia. Soviet Soil Sci. 2:105-110. Feb. 1963. 57.8 P34Ae
- \*SAAKOV, V. S. Mechanism of change in violaxanthin content during the light reaction of chloroplasts. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 148(1/6):45-47. Ref. July/Aug. 1963. 511 P444Aeb
- \*SAFAROV, T. Darkling beetle pests (Coleoptera, Tenebrionidae) on agricultural crops in the Samarkand Province. Ent. Rev. 41(4):467-469. Oct./Dec. 1962. 421 R322Ae



- SAGATOV, K. The effect on the yield of maize seed preparation with trace elements and succinic acid. 17 p. Ref. Transl. 13408  
Translation from *Botanicheskii Zhurnal* 48 (8):1151-1160. Aug. 1963.
- SAKURADA, I. Concerning the kinetics of acetylation on cellulose fibers. 4 p. Transl. 13655  
Translation from *Journal of Society of Chemical Industry (Japan)* 35:123-126. 1932.
- \*SALCHEVA, G., and SAMYGIN, G. Microscopic study of freezing of winter wheat tissues. *Soviet Plant Physiol.* 10(1):50-57. Ref. July/Aug. 1963. 450 F58Ae
- SALGANIK, R. P., and others. Nature of pyronophil granules of the isolated cell nuclei fraction. *Fed. Amer. Soc. Expt. Biol. Fed. Proc.* 23(1,pt.2):T23-T27. Ref. Jan./Feb. 1964. 442.9 F31P
- I. I. Kiknadze, T. M. Morozova, I. S. Gubenko, and V. F. Drevich, joint authors.  
Translation from *Tsitologiya* 4(5):499, 1962.
- \*SAL'KOVA, E. G. Changes in the composition of carbohydrates in storage organs of plants following  $\gamma$ -irradiation. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 149(1/6):311-313. Sept./Oct. 1963. 511 P444Aeb
- SALLENAVE, P. Physical and mechanical properties of the Tropical woods of the French Union. 40 p. Transl. 13466  
Translation from *Centre Technique Forestier Tropical* P. 8, 1955.
- SALMANOV, M. A., and SOROKIN, YU. I. Primary production of the Kuibyshev reservoir. 25 p., map. Ref. Transl. 13100  
Translation from *Akademiiya Nauk SSSR. Izvestiya. Seriya Biologicheskaya* 4:603-613. July/Aug. 1962.
- SAMEC, M. Decomposition experiments on starch in the absence of coreactants and their paper technology aspects. 8 p. Transl. 13580  
Translation from *Osterreichische Chemiker-Zeitung* 63(1):12-17. 1962.
- SAMOFAL, S. The technique of creating shelterbelts in the steppe. 14 p. Transl. 13899  
Translation from *Na Lesokulturnom Fronte* 1:38-50. 1932.
- SAMOFAL, S. A. Investigations on the growth of pine in relation to climatic conditions. 13 p. Transl. 13900  
Translation from *State Research Institute for Forestry and Forest Industry. Izv. po Lesnomu Opytnomu Delu* 12:55-76. 1931.
- \*SAMORODOVA-BIANKI, G. B. Anthocyanins of some cultural plants. *Soviet Plant Physiol.* 9(5):448-452. Ref. Mar./Apr. 1963. 450 F58Ae
- \*SAMOYLOVA, YE. M. Influence of basswood on the forest growing properties of soil. *Soviet Soil Sci.* 3:315-323. Ref. Mar. 1962. 57.8 P34Ae
- \*SAMTSEVICH, A. A., and BORISOVA, V. N. Toxicity of volatile substances formed by microorganisms in the soil. *Microbiology* 32(3):415-420. Nov./Dec. 1963. 448.3 M582Ae
- \*SAPOZHNIKOV, D. I., and SAAKOV, V. S. Application of violaxanthin- $C^{14}$  in a study of the photo transformation of the xanthophylls. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 147(1/6):1239-1240. May/June 1963. 511 P444Aeb
- SARKISOV, A. Antibiotics in agriculture. U. S. Joint P. Res. Serv. Transl. *Soviet Agr.* 16:4-8. Aug. 27, 1963. 173 J663Tso  
Translation from *Pravda*, May 27, 1963.
- \*SAVEL'EVA, O. N., and RUBIN, B. A. On the nature of the physiological activity of the toxin of the fungus *Phytophthora infestans*. *Soviet Plant Physiol.* 10(2):150-154. Sept./Oct. 1963. 450 F58Ae
- \*SAVITSKIY, B. P., MODEL', KH. M., and MISHAYEVA, N. P. Bloodsucking mosquitoes (Diptera, Culicidae) of the Byelorussian SSR. *Ent. Rev.* 41(2):213-215. Ref. Apr./June 1962. 421 R322Ae
- SCANGA, F. Atlas of electron microscopy; biological applications. 331 p. 440 Sca6Ae  
Revised translation of *Atlante di Microscopia Elettronica*, II *Pensiero Scientifico*.
- SCHALCK, J. Further investigations on creosote fractions and combinations of fractions suitable for wood preservation. 16 p. Ref. Transl. 13581  
Translation from Ghent. Rijkslandbouwhogeschool. *Laboratorium voor Houttechnologie. Mededelingen* 17:479-497. 1962.
- SCHALCK, J. Studies on the effectiveness of creosote components as wood preservatives. 40 p. Ref. Transl. 13579  
Translation from Ghent. Rijkslandbouwhogeschool. *Laboratorium voor Houttechnologie. Mededelingen* 15:1755-1793. 1962.
- SCHANDL, J. Advantages of mixture silages in the self-feeding of cattle. *Hungarian Agr. Rev.* 12(2):17-19. 1963. 241 H89  
Translation from *Nemzetközi Mezőgazdasági Szemle* 6:49-51. 1962.
- SCHENK, W. Management in type I LPG's and further increases in production. U. S. Joint P. Res. Serv. Transl. *East European Agr. Forestry & Food Indus.* 180:26-38. July 10, 1963. 173 J663Ste  
Translation from *Einheit* 4:35-43. Apr. 1963.
- SCHICK, R. Prospects of socialist agriculture in the GDR. U. S. Joint P. Res. Serv. Transl. *East European Agr. Forestry & Food Indus.* 128:1-11. Mar. 7, 1963. 173 J663Ste  
Translation from *Die Deutsche Landwirtschaft* 14(1):15-17. Jan. 1963.
- SCHIOPU, B., and JIANU, E. Aspects of the socialist reproduction of the technical and material base in state farms. U. S. Joint P. Res. Serv. Transl. *East European Agr. Forestry & Food Indus.* 192:16-32. Aug. 29, 1963. 173 J663Ste  
Translation from *Revista de Statistica* 12(6):3-14. June 1963.
- SCHIOPU, B. Structure of state farms and concentration of agricultural production: Rumania. U. S. Joint P. Res. Serv. Transl. *East European Agr. Forestry & Food Indus.* 233:15-26. Mar. 13, 1964. 173 J663Ste  
Translation from *Lupta de Clasa* 12:14-24. Dec. 1963.
- SCHIOPU, B. The structuring of state farms. U. S. Joint P. Res. Serv. Transl. *East European Agr. Forestry & Food Indus.* 143:22-26. Apr. 11, 1963. 173 J663Ste  
Translation from *Agricultura Socialista* 1(3):1, 5. Feb. 21, 1963.
- SCHMIALEK, P. The inhibition of metamorphosis in *Tenebrio molitor* with farnesyl methyl ether. *Bee Cult. Br.*  
Translation from *Zeitschrift für Naturforschung* 18b:513-515. 1963.
- SCHMIALEK, P. The inhibition of metamorphosis in *Tenebrio molitor* with farnesyl methyl ether. 3 p. Transl. 13607  
Translation from *Zeitschrift für Naturforschung* 18b(7):513-515. 1963.
- SCHMIALEK, P. On compounds with juvenile-hormone action. 3 p. Transl. 13612  
Translation from *Zeitschrift für Naturforschung* 18b(7):516-519. 1963.
- SCHMIALEK, P. On the formation of juvenile hormones in wild silk moths. *Bee Cult. Br.*  
Translation from *Zeitschrift für Naturforschung* 13b:462-465. 1963.
- SCHMIALEK, P. On the formation of juvenile hormones in wild silk moths. 4 p. Transl. 13613  
Translation from *Zeitschrift für Naturforschung* 18b(6):462-465. June 1963.
- \*SCHMIDT, G. A. Phase of the blastocyst and trophoblastic capsule in the Karakul sheep. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 147(1/6):1298-1300. Ref. May/June 1963. 511 P444Aeb
- SCHMIDT, K. Status and development of grass silage in the GDR. U. S. Joint P. Res. Serv. Transl. *East European Agr. Forestry & Food Indus.* 175:45-57. June 20, 1963. 173 J663Ste  
Translation from *Deutsche Agrartechnik* (5):195-196. May 1963.

- SCHMIDT, W. The humidity factor in the preparation and germination of pine seed. 13 p. Transl. 13905  
Translation from Zeitschrift fur Forst- und Jagdwesen 58(1):29-41. 1926.
- SCHMIDT, W. A report of the Institute for Testing Forest Seeds, Eberswalde, in the thirtieth year of its existence and tests of forest tree seeds. 32 p. Transl. 13904  
Translation of Bericht der Waldsamenprüfungsanstalt Eberswalde im 30 Jahre ihres Bestehens und Prüfungsbestimmungen fur Forstsaatgut.
- SCHMIDT, W. Vegetation experiments upon light as a yield factor. 13 p. Transl. 13902  
Translation from Zeitschrift fur Forst- und Jagdwesen 56:461-472. Aug. 1924.
- SCHMIDT-LORENZ, W. The applicability of diethyl pyrocarbonate as preservative for poultry meat. 21 p. Ref. Transl. 13455  
Translation from Zeitschrift fur Lebensmittel-Untersuchungen und-Forschungen 117(3): 231-241. 1962.
- SCHMIDT-LORENZ, W. Investigations of heat resistance of Salmonella senftenberg, Thompson and typhi murium in dried whole egg. 16 p. Transl. 13456  
Translation from Archiv fur Lebensmittelhygiene 10:84-89. 1959.
- SCHMIDT-LORENZ, W. Model experiments for the pasteurization of dried whole eggs, infected by Salmonella, by means of dielectric high-frequency heating. 21 p. Transl. 13457  
Translation from Zeitschrift fur Ernahrungswissenschaft 1:205-220. 1960.
- SCHMIEDEL, L., and HEDER, E. Continuous washing apparatus for starch-gluten separation at wheat starch processing. 15 p. Transl. 13277  
Translation from Starke 14(9):324-331. Sept. 1962.
- SCHMUTZLER, W. Pressure at the joint faces during longitudinal pressing of finger joints. 3 p. Transl. 13337  
Translation from Holz als Roh- und Werkstoff 19(10):420-421. 1961.
- SCHNEIDER, E. Successful sugar beet cultivation on light soils. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 144:36-49. Apr. 16, 1963. 173 J663Ste  
Translation from Die Deutsche Landwirtschaft 3:129-131. Mar. 1963.
- SCHOEPFER, W. Effects of increment boring in spruce stands. 10 p. Transl. 13163  
Translation from Allgemeine Forst und Jagdzeitung 133(2):43-50. Feb. 1962.
- SCHUBERT, J. Bases of general and forest climatology. 22 p. Transl. 13918  
Translation from Zeitschrift fur Forst- und Jagdwesen 64(12):715-734. 1932.
- SCHUBERT, J. On the wind strength in the lower air layers and wind protection in forests. 10 p. Transl. 13906  
Translation from Forstliche Wochenschrift Silva, 1922:377-381.
- SCHULZ, E. The new planning system in agriculture; East Germany. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 208:1-10. Nov. 8, 1963. 173 J663Ste  
Translation from Vertragssystem 7:203-206. July 1963.
- SCHULZ, H. The effect of extreme growth conditions on the wood of various poplar clones. 11 p. Ref. Transl. 13582  
Translation from Holz als Roh- und Werkstoff 20(9):347-351. 1962.
- SCHULZ, M. E. Dried milk products for the consumer. 12 p. Transl. 13454.  
Translation from Milchwissenschaft 13(9): 393-398. 1958.
- SDOBNOV, S. Development of socialist agriculture. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 21:81-96. Dec. 31, 1963. 173 J663Tso  
Translation from Vestnik Statistiki 9:3-12. Sept. 1963.
- \*SEDIKH, K. F. Some relict insects from the southern part of the Timan Mountains. Ent. Rev. 41(1):88-89. Jan./Mar. 1962. 421 R322Ae
- \*SEIDENSTUCKER, G. Lygaeosoma sibiricum, sp. n. (Heteroptera, Lygaeidae) from Soviet Asia and Mongolia. Ent. Rev. 41(1):90-92. Jan./Mar. 1962. 421 R322Ae
- SEIFERT, A. Compost. 124 p. Ref. 57.4 Se4Ce  
Translation of Der Kompost.
- SEIFERT, K. The chemical changes in wood cell-wall components under the influence of plant and animal attack. 3. The digestion of wood by larvae of Hylotrupes bajulus and Anobium punctatum. 13 p. Ref. Transl. 13583  
Partial translation from Holzforschung 16(5): 148-154. 1962.
- SEIFERT, K. The chemical modification of the wood cell wall components under the influence of vegetable and animal parasites. I. Survey of the previously published literature. 55 p. Ref. Transl. 13161  
Translation from Holzforschung 16(3):78-89. 1962.
- \*SELEZNEV, K. G. Formation of residual solonchik soils in the south of Odessa Oblast. Soviet Soil Sci. 3:290-293. Ref. Mar. 1963. 57.8 P34Ae
- SELIVANOV, A. V. Experiment in aerosol immunization of sheep against brucellosis. 10 p. Transl. 13306  
Translation from Veterinariya 2:24-27. Feb. 1963.
- \*SELIVERSTOVA, L. A., and MEISEL, M. N. Dependence of the restoration of irradiated cells on the type of energy metabolism. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):734-736. Nov./Dec. 1963. 511 P444Aeb
- SELTZER, P. Meteorology-influence of a forest on the temperature of the air. 2 p. Transl. 13920  
Translation from Academie des Sciences. Comptes Rendus 199(6):435-438. [n.d.]
- SEMECHKINA, A. F., and SHORYGINA, N. N. The structure of lignin. 4 p. Ref. Transl. 13584  
Translation from Academy of Sciences of the Latvian SSR. Institute of Forest Economy and Wood Chemistry 19:65-70. 1960.
- \*SEMENENKO, A. D., KHVEDELIDZE, M. A., and SEMENENKO, A. D. Diurnal dynamics of electrical activity of plants under a functional load. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 151(1/6):920-923. Jan./Feb. 1964. 511 P444Aeb
- \*SEMENENKO, A. D., KHVEDELIDZE, M. A., and SEMENENKO, A. D. Electrophytogram of response rhythms of plants of pulsed-light stimulation. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1251-1253. May/June 1963. 511 P444Aeb
- \*SEMIKHATOVA, O. A., and BUSHUEVA, T. M. The influence of temperature on the oxidative phosphorylation of preparations of pea mitochondria. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 149(1/6):529-531. Ref. Sept./Oct. 1963. 511 P444Aeb
- SEREBRENNIKOV, P. P. Chemical methods of forest fire control. 21 p. Transl. 13921  
Translation from Tsentral'nyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva. Byulleten' 2:43-66. 1934.
- SEREBRENNIKOV, P. P. Control of forest fires with chemicals. 4 p. Transl. 13923  
Translation from Lesnoe Khozyaistvo i Lesoeksploatatsiya 6:16-18. 1935.
- SEREBRENNIKOV, P. P. New methods of forest fire control. 12 p. Transl. 13922  
Translation from Lesnoe Khozyaistvo i Lesoeksploatatsiya 5:30-33. May 1935.
- \*SEREBRENNIKOVA, G. A., and others. Lipides. XVIII. Synthesis of glyceride component of corn oil. J. Gen. Chem. USSR 33(2):431-432. Feb. 1963. 385 Z6Ae  
E. N. Zvonkova, G. G. Zapesochayna, I. K. Sarycheva, and N. A. Preobrazhenskii, joint authors.



- SERGEEV, V. A., and others. Changing the pathogenicity of foot-and-mouth disease virus by long-term passage through tissue cultures. 7 p. Transl. 13435  
T. S. Lavrova, F. F. Lutsevich, T. L. Fedorova, and M. S. Syusyukina, joint authors.  
Translation from Veterinariya 8:71-74. Aug. 1963.
- SERGOVSKII, P. S. Drawing up schedules for economic drying of sawn timber in high-temperature driers. 12 p. Transl. 13719  
Translation from Holztechnologie 4(2):172-178. 1963.
- SEROV, N. V., and SHIROKOV, A. V. How we prevented the spreading of the foot-and-mouth disease. 2 p. Transl. 13295  
Translation from Veterinariya 3:26. Mar. 1963.
- SEVER, V. The 1962-1963 Croatian wheat production program. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 126:98-107. Mar. 1, 1963. 173 J663Ste  
Translation from Agronomski Glasnik 12 (9/10):924-928. Sept.-Oct. 1962.
- SHABUROV, M. S. The study of Abyssinian vaccine strains of African horse sickness. 4 p. Transl. 13396  
Translation from Veterinariya 10:68-69. Oct. 1963.
- \*SHAFERSHTEYN, I. YA., SAVVA, I., and LIPKIND, I. M. Determination of soil nitrates by reduction to nitrites. Soviet Soil Sci. 9:973-978. Ref. Sept. 1962. 57.8 P34Ae
- \*SHAKHOV, A. A., and GOLUBKOVA, B. M. On chloroplast structure in relation to ultraviolet irradiation. Soviet Plant Physiol. 10(3):246-252. Ref. Nov./Dec. 1963. 450 F58Ae
- SHANSI'S alkaline soil & problems concerning its improvement. U. S. Joint P. Res. Serv. Transl. Chin. Farmers. B. 1/2:17-25. Dec. 10, 1962. 173 J663Tfc  
Translation from Chung-kuo Nung-pao 2:13-16. 1962.
- SHAO, Y. C. Concerning the problem of aquatic-field tractors in our country. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 57:21-26. Aug. 27, 1963. 173 J663Trc  
Translation from Jen-min Jih-pao, July 2, 1963:5.
- \*SHAPOSHNIKOV, G. KH. Aphids (Aphidinea) infesting mountain ash (Sorbus). Ent. Rev. 42 (2):216-220. Ref. Apr./June 1963. 421 R322Ae
- \*SHAPOSHNIKOV, V. N., and FINOGENOVA, T. V. The biosynthesis of vitamin B<sub>12</sub> and free porphyrins by a culture of Nocardia erythropolis. Microbiology 32(3):333-338. Ref. Nov./Dec. 1963. 448.3 M582Ae
- \*SHAPOSHNIKOV, V. N., KONOVA, I. V., and BORISOVA, A. I. Biosynthesis of vitamin B<sub>12</sub> by Actinomyces olivaceus in a synthetic medium in the presence of 5,6-dimethylbenzimidazole. Microbiology 32(4):509-514. Jan./Feb. 1964. 448.3 M582Ae
- SHARKOV, B. I., and LEVANOVA, V. P. A study of the packing density of cotton cellulose preparations. 11 p. Transl. 13656  
Translation from Vysokomolekulyarnye Soedineniya 5:730-737. 1959.
- \*SHAVRYGIN, P. I. Concentration toxicity of the soil solution in the Baraba Lowland. Soviet Soil Sci. 1:61-66. Ref. Jan. 1963. 57.8 P34Ae
- \*SHAYDUROV, V. S. Cellulose decomposition during agricultural reclamation of peat soils. Soviet Soil Sci. 12:1384-1386. Dec. 1962. 57.8 P34Ae
- \*SHCHERBAKOVA, E. YA. Variability of Aspergillus niger under the influence of ultraviolet light. Microbiology 32(1):34-40. Ref. July/Aug. 1963. 448.3 M582Ae
- \*SHCHUKINA, A. I. The effect of potassium on the drought resistance of wheat. Soviet Plant Physiol. 10(3):258-262. Ref. Nov./Dec. 1963. 450 F58Ae
- SHEKEROV, Y. Bringing prices closer to costs and changes in price relations. U. S. Joint P. Res. Serv. Transl. Econ. Organ. & Managt. East Europe 320:1-9. May 7, 1964. 173 J663Tre  
Translation from Trud i Tseni 6(3):65-74. Mar. 1964.
- \*SHEL'DESHOVA, G. G. The importance of day length in determining the number of generations and diapause in the apple fruit moth; Laspeyresia pomonella L. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1287-1289. Ref. May/June 1963. 511 P444Aeb
- \*SHEPELEVA, YE. D. Plant (?) fossils of unknown taxonomic position from the deposits of the Bavlinskaya series in the Volga-Urals oil province. Acad. Sci. USSR. Dok. Earth Sci. Sect. 142(1/6):170-171. Feb. 1964. 511 P444Aee
- SHERMENEV, M. State and collective farm finances. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 11:1-9. May 13, 1963. 173 J663Tso  
Translation from Ekonomicheskaya Gazeta 13:1-4. Mar. 30, 1963.
- SHIH, C. H., YEH, H. L., and LU, H. L. On aid to agriculture by light industry. Communist China Digest 115:39-44. Mar. 11, 1964. 280.8 C735  
Translation from Ching-chi Yen-chiu, No. 11, Nov. 17, 1963.
- \*SHIKULA, N. K. Water-physical properties of eroded soils in the Don Basin. Soviet Soil Sci. 2:207-212. Feb. 1962. 57.8 P34Ae
- \*SHILOVA, N. V. Structure of growing point and features of organogenesis in representatives of Andromedoidae (Drude) E. Busch. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1265-1268. May/June 1963. 511 P444Aeb
- \*SHILOVA, YE. I., and KOROVKINA, L. V. Comparative study of the composition of soil solutions and lysimetric water from sod-podzolic soils. Soviet Soil Sci. 8:796-805. Aug. 1962. 57.8 P34Ae
- \*SHILOVA, YE. I., ZELENKOVA, A. F., and KOROVKINA, L. V. Comparison of the composition of solutions and lysimetric water in a recently reclaimed podzolic soil. Soviet Soil Sci. 4:340-350. Apr. 1963. 57.8 P34Ae
- SHIPCHINSKII, A. W. The climatic influence of shelterbelts in the Kamennaya Steppe, District of Voronezh. 17 p. Transl. 13925  
Translation from Voronezh Sel'skokhozyaistvennyi Institut. Zapiski 5:43-59. 1926.
- SHIRAZAWA, H., and KOYAMA, M. Experiments in preservation of tree seed and the planting value of preserved seed. 27 p. Transl. 13926  
Translation from Japan. Ministry of Agriculture and Forestry. Forestry Experiment Report 17:1-18. 1918.
- \*SHIRSHOVA, R. A. Effect of potassium fertilizers on the uptake of radioactive strontium by plants. Soviet Soil Sci. 3:263-269. Ref. Mar. 1962. 57.8 P34Ae
- \*SHISHKOV, K. N. Soil moisture meter (tensiometer) and its use in the study of the behavior of soil moisture. Soviet Soil Sci. 8:863-868. Ref. Aug. 1962. 57.8 P34Ae
- \*SHIVRINA, A. N. Chemical and spectrophotometric characteristics of water-soluble humin-like compounds formed by the fungus Inonotus obliquus (Pers.) Pil. Soviet Soil Sci. 11:1260-1266. Ref. Nov. 1962. 57.8 P34Ae
- \*SHKINKIS, TS. N. Moisture regulation in sod-podzolic soil by drainage. Soviet Soil Sci. 4:347-351. Ref. Apr. 1962. 57.8 P34Ae
- \*SHKOL'NIK, R. YA., and DOMAN, N. G. Metabolism of C<sup>14</sup>-Phosphoglyceric acid in bean and sugar beet leaves. Soviet Plant Physiol. 10(3):242-245. Ref. Nov./Dec. 1963. 450 F58Ae

- \*SHKONDE, E. I. Work conducted by the Agricultural Chemistry Section of the House of Scientists. Soviet Soil Sci. 9:989-992. Sept. 1962. 57.8 P34Ae
- \*SHLYK, A. A., GAPONENKO, V. I., and KUKHTENKO, T. V.  $C^{14}$  kinetics of chlorophyll turnover in barley and tobacco plants. Soviet Plant Physiol. 9(5):419-428. Ref. Mar./Apr. 1963. 450 F58Ae
- \*SHLYK, A. A., and others. Investigation of the biosynthetic interrelation of chlorophylls a and b in *Chlorella*. Soviet Plant Physiol. 10(3):227-236. Ref. Nov./Dec.1963. 450 F58Ae  
S. A. Mikhailova, V. I. Gaponenko, and T. V. Kukhtenko, joint authors.
- \*SHLYK, A. A., and VETOKHINA, G. A. Kinetics of specific activities of chlorophylls a and b when light is excluded from plants which have assimilated  $C^{14}O_2$ . Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):594-597. Ref. Nov./Dec.1963. 511 P444Aeb
- \*SHLYK, A. A., KALER, V. L., and PODCHUFAROVA, G. M. A study of the accumulation and transformation of protochlorophyllide in the green plant by the method of radiochromatography with a carrier. Biochemistry (Biokhimiya) 26(2):233-238. Sept./Oct.1961. 385 B523Ae
- SHOSTAKOVSKI, M. F., PRILEZHAEVA, E. N., and TSYMBAL, L. V. Synthesis and transformations of vinyl ethers of higher polyatomic alcohols and cellulose. II. Vinyl ethers based on cellulose. 7 p. Ref. Transl. 13657  
Translation from Zhurnal Obshechi Khimii 26:739-745. 1956.
- \*SHOY-ZHU, O. Some data on the physiology of frost hardiness in the vine. Soviet Plant Physiol. 10(3):300-302. Nov./Dec.1963. 450 F58Ae
- \*SHTEKHER, S. G. Uptake of  $S^{35}$ -methionine in the epidermis of chick embryos and chicks. B. Expt. Biol. & Med. 55(2):211-214. Ref. Mar.1964. 442.8 B87Ae
- \*SHTEMPEL', B. M. The discovery of an Amur flora in Southern Primor'ye. Acad. Sci. USSR. Dok. Earth Sci. Sect. 144(1/6):35-38. Ref. May 1964. 511 P444Aeb
- \*SHTEYNBERG, D. M. Personal impressions of Canadian entomological institutions. Ent. Rev. 41(3):441-444. July/Sept.1962. 421 R322Ae
- \*SHTEYNBERG, D. M. The use of entomophages to protect apple orchards in eastern Canada. Ent. Rev. 41(2):185-187. Ref. Apr./June 1962. 421 R322Ae
- \*SHUBERT, T. A., and PAVLINOVA, O. A. Margarita Sergeevna Bardinskaya. Soviet Plant Physiol. 10(2):213-214. Sept./Oct.1963. 450 F58Ae
- SHUGAILO, V. T., and ZUENKO, P. G. Ornithosis outbreak at a poultry combine in Kremenchuk. 3 p. Transl. 13561  
Translation from Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii 40(8):141-142. Aug.1963.
- \*SHUL'GIN, I. A., PODOLNYI, V. Z., and SOKOLOVA, S. V. A method for rapid determination of the chlorophyll content. Soviet Plant Physiol. 10(3):318-322. Nov./Dec.1963. 450 F58Ae
- SHUL'GIN, V. A. Tapping with application of a sulfuric-acid paste in the Karelian A.S.S.R. 2 p. (OTS 63-11031) Transl. 13698  
Translation from Gidroliznaya i Lesokhimi-cheskaya Promyshlennost' 12(5):23. 1959.
- SHUMKOVA, M. N. Breeding proso. 16 p. Transl. 13416  
Translation from Tatarskaya Respublikanskaya Gosudarstvennaya Sel'skokhozyaistvennaya Opytnaya Stantsiya. Trudy 1:105-120. 1961.
- \*SHURA-BURA, B. L., SUKHOMLINOVA, O. I., and ISAROVA, B. I. Radioactive tracers as an aid to studying the ability of synanthropic flies to fly over water obstacles. Ent. Rev. 41(1):55-60. Jan./Mar.1962. 421 R322Ae
- \*SHUROVENKOV, B. G. Field entomophagous predators (Coleoptera, Carabidae and Diptera, Asilidae) and factors determining their efficiency. Ent. Rev. 41(4):476-485. Ref. Oct./Dec.1962. 421 R322Ae
- \*SHURYGINA, YE. A. Use of lithium ion for identifying montmorillonite in soils and clay. Soviet Soil Sci. 3:294-297. Mar.1963. 57.8 P34Ae
- \*SHVETSOVA, O. I., and HSU-YU, T. Virus diseases of *Agrotis segetum* Schiff. and *Hadena sordida* Bkh. (Lepidoptera, Noctuidae) under conditions of simultaneous infection with granulosis and polyhedral disease. Ent. Rev. 41(4):486-489. Ref. Oct./Dec.1962. 421 R322Ae
- \*SHVETSOVA-SHILOVSKAYA, K. D., and others. Organic insectofungicides. LXVI. J. Gen. Chem. USSR. 32(10):3176-3178. Oct.1962. 385 Z6Ae  
N. N. Mel'nikov, Z. I. Maksimova, T. S. Zakharova, and L. P. Bocharova, joint authors.
- \*SIDOROV, B. N., and SOKOLOV, N. N. Chromosome lysis at spindle blockage. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):655-658. Nov./Dec.1963. 511 P444Aeb
- SIHTOLA, H. On colour reversion and the measurement of yellowing of bleached pulps. 11 p. Transl. 13658  
Translation from Paperi ja Puu 45(3):71-80. 1963.
- SILBIGER, S. Land and equipment on large farms in Serbia. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 217:49-60. Jan.3,1964. 173 J663Ste  
Translation from Poljoprivreda 11(7):25-33. July 1963.
- SILBIGER, S. Opportunities for expansion of socially-owned land through lease and purchase. 2. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 130:83-97. Mar.11,1963. 173 J663Ste  
Translation from Poljoprivreda i Zadrugarstvo 12:6-9. Dec.1962.
- SILBIGER, S. Possibilities of expanding the socialized land fund by lease and purchase. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 132:1-14. Mar.20, 1963. 173 J663Ste  
Translation from Poljoprivreda i Zadrugarstvo 9(11):18-22. Nov.1962.
- SILBIGER, S. Some problems concerning the operation of agricultural-industrial combines. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 170:74-83. June 11,1963. 173 J663Ste  
Translation from Poljoprivreda i Zadrugarstvo 10(2):26-28. Feb.1963.
- \*SIL'CHENKO, V. S. Diseases of natural focal occurrence in the Voronezh oblast. J. Microbiol. Epidemiol. & Immunobiol. 32(5):796-800. 1961, pub.1962. 448.3 Z4Ae
- SILIN, A. Calculating prime cost of kolkhoz output. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 16:13-29. Aug.27,1963. 173 J663Tso  
Translation from Vestnik Statistiki 5:28-38. May 1963.
- \*SILKIN, L. YA. Effect of gibberellin on certain physiological processes in oak seedlings in sulfate salinized soil. Soviet Plant Physiol. 9(6):567-571. Ref. May/June 1963. 450 F58Ae
- SILVA, L. President of ULTAB suggests new framework for rural unionization in Brazil. 8 p. Transl. 12984  
Translation from A Hora 70:8. Nov.17-24, 1962.
- SIMA, J. Deliveries of fertilizers in 1963; Czechoslovakia. U. S. Joint P. Res. Serv. Transl. East European Forestry & Food Indus. 209:39-42. Nov.12,1963. 173 J663Ste  
Translation from Agrochimie 8:129. 1963.
- SIMEK, F. Results of specialization at 9 May JZD. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 203:6-9. Oct.17,1963. 173 J663Ste  
Translation from Ekonomika Zemedelstvi 2(9):261. Sept.1963.



- SIMONSON, R. Isolation of hemicellulose from liquors from the sulphate process. 3 p. Transl. 13585  
Translation from Svensk Papperstidning 65 (20):817-818. 1962.
- SIN, E. V. Organization of grain harvest in South Moravian Kraj. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 186:31-36. July 29, 1963. 173 J663Ste  
Translation from Statni Statky 6(6):90-91. 1963.
- \*SISAKYAN, N. M., BEZINGER, E. N., and MOLCHANOV, M. I. Effect of puromycin on incorporation of amino acids into lipids and proteins of chloroplasts. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 151(1/6):860-862. Jan./Feb. 1964. 511 P444Aeb
- \*SISAKYAN, N. M., FILIPPOVICH, I. L., and SVETAILLO, E. N. Participation of ribosomes of chloroplasts in protein synthesis. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1204-1205. Ref. May/June 1963. 511 P444Aeb
- \*SISAKYAN, N. M., BEZINGER, E. N., and MARCHUKAITIS, A. S. The role of the lipoprotein of chloroplasts in protein synthesis. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1245-1246. Ref. May/June 1963. 511 P444Aeb
- \*SISAKYAN, N. M., and MELIK-SARKISYAN, S. S. Some characteristics of proteins of photosynthesizing and non-photosynthesizing plant plastids. Soviet Plant Physiol. 10(1):13-17. Ref. July/Aug. 1963. 450 F58Ae
- \*SIUTA, J. Influence of reduction processes and acidification on the solubility of mineral soil compounds. Soviet Soil Sci. 5:500-508. Ref. May 1962. 57.8 P34Ae
- \*SKAZKIN, F. D., and LUKOMSKAYA, K. A. Characteristics of flowering in cereals in relation to the effects of soil moisture deficiency. Soviet Plant Physiol. 9(6):561-563. Ref. May/June 1963. 450 F58Ae
- \*SKOK, T. F. Genetic characteristics of leached Chernozems of well-drained forest steppe. Soviet Soil Sci. 10:1148-1155. Oct. 1962. 57.8 P34Ae
- SKOMOROKHOV, A. L. The eradication of foot-and-mouth disease is a very important task. 5 p. Transl. 13417  
Translation from Veterinariya 8:11-14. Aug. 1963.
- \*SKRYABIN, F. A. Effect of combined application of manure and mineral fertilizers on cotton yield. Soviet Soil Sci. 11:1285-1290. Nov. 1962. 57.8 P34Ae
- \*SKRYABIN, F. A. Influence of mineral fertilizers on the humification of alfalfa roots and manure in Sierozems (from greenhouse experiments). Soviet Soil Sci. 12:1396-1400. Ref. Dec. 1962. 57.8 P34Ae
- \*SKUTAR, I. G. A study of the developmental cycle in the cestode Raillietina (Skrajabinia) fedjuschina Skutar, a parasite of the domestic fowl. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 151(1/6):1029-1030. Jan./Feb. 1964. 511 P444Aeb
- SLASTENKO, YE. N. The distribution of productive forces and the effacing of differences between town and countryside. Soviet Geog. Rev. & Transl. 5(2):24-32. Feb. 1964. 331.8 So8  
Translation from Voprosy Filosofii 11:66-74. 1963.
- \*SLAVNYY, YU. A., and VOROB'YEVA, E. S. Precipitation of silica on freezing of soil solutions. Soviet Soil Sci. 9:958-961. Ref. Sept. 1962. 57.8 P34Ae
- \*SLEPYAN, E. I. Effect of Pontania proxima Lep. (Tenthredinidae) on growth, photosynthesis, and chlorophyll and carotenoid content of leaf laminae in Salix fragilis L. pathogenicity of gall-formers. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1432-1435. Ref. May/June 1963. 511 P444Aeb
- SLIVA, V. Wages in agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 223:11-18. Jan. 31, 1964. 173 J663Ste  
Translation from Statni Statky 6(11):165-166. Nov. 1963.
- \*SMIRNOV, L. E., NATAL'INA, V. N., and KUZNETSOV, R. I. An express method for determining potassium in soil. J. Analyt. Chem. USSR 18(9):908-910. Sept. 1963. 385 Z65Ae
- \*SMIRNOV, M. P. Experimental study of the internal flow of water in soils of the northern part of the Western Sayan (Yermakov Station). Soviet Soil Sci. 4:376-382. Ref. Apr. 1963. 57.8 P34Ae
- \*SMIRNOV, P. M., and FRUKTOVA, N. I. Fixation of nonexchangeable ammonium by soils. Soviet Soil Sci. 3:265-272. Ref. Mar. 1963. 57.8 P34Ae
- \*SMIRNOV, R. N. Use of aerial photography in soil-melioration studies in the Trans-Volga Region. Soviet Soil Sci. 4:415-418. Apr. 1962. 57.8 P34Ae
- \*SMIRNOV, V. N. Comparative characteristics of sod podzolic clay loam soils of mixed coniferous-deciduous and broadleaf forests of the central Volga. Soviet Soil Sci. 5:459-467. Ref. May 1963. 57.8 P34Ae
- \*SMIRNOV, V. N., GRISHKUN, YE. V., and USYNINA, V. A. Enzymic activity and intensity of soil respiration in the forest and in the field. Soviet Soil Sci. 1:49-62. Ref. Jan. 1962. 57.8 P34Ae
- SNOPEK, B. Use of technology in food production. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 210:1-7. Nov. 15, 1963. 173 J663Ste  
Translation from Statni Statky 6(10):156-157. 1963.
- \*SOBOLEV, A. M. Paper chromatography of inositol phosphates. Soviet Plant Physiol. 9(5):517-519. Mar./Apr. 1963. 450 F58Ae
- SOEDJONO, I. Marketing agricultural products and its problems: Indonesia. U. S. Joint P. Res. Serv. Transl. So. & East Asia 2,22 p. July 30, 1962. 173 J663Trso  
Translation from Transkopemada 3(1/2):16-23,33. Jan./Feb. 1962.
- SOHNE, W. Crumb and clod sieve analysis as a means of evaluation of the quality of tillage. 5 p. Transl. 13661  
Translation from Landtechnische Forschung 4(3):79-81. 1954.
- SOINNEN, A., BASK, W., and PEHU-LEGTON-EN, A. L. Effect of piperidine on rubber solutions. Rubber Chem. & Technol. 37(2):477-485. Apr./June 1964. 78.8 R822  
Translation from Kautschukund Gummi-Kunststoffe 16(10):555-558. Oct. 1963.
- \*SOKOLOV, A. V. A new stage in the history of agricultural chemistry and soil science. Soviet Soil Sci. 4:311-312. Apr. 1963. 57.8 P34Ae
- \*SOKOLOV, A. V., and others. Problems in studying soil fertility and methods of increasing it. Soviet Soil Sci. 1:5-14. Jan. 1963. 57.8 P34Ae  
P. A. Vlasyuk, A. M. Grinchenko, N. I. Gorbunov, P. A. Dmitriyenko, M. M. Kononova, and Ye. N. Mishustin, joint authors.
- \*SOKOLOV, I. A., and SOKOLOVA, T. A. Zonal soil groups in permafrost regions. Soviet Soil Sci. 10:1130-1136. Ref. Oct. 1962. 57.8 P34Ae
- SOLOV'EV, V. I., and KOLONTAEV, V. S. Forest code of RSFSR; including legislative amendments and supplements to January 1, 1929. 17 p. Transl. 13927  
Partial translation from Novaya Derevnnya, p. 3-1311. 1929.
- SOLYAKOV, P. The winter wheat "Ukrainka." 17 p. Transl. 13453  
No source of translation given.

- SOMOV, G. P., and SOIDATOV, G. M. The role of birds in circulating the causative agent of tick-borne exanthematous typhus (Rickettsial fever occurring in Siberia) in nature. 7 p. Ref. Transl. 13949  
Translation from Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii 1:126-129. 1964.
- SOTIROV, G. Bank control and cooperative farm (TKZS) plans. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 214: 44-66. Dec. 10, 1963. 173 J663Ste  
Translation from Finansii i Kredit 14(7):26-36. Sept. 1963.
- SOUKACHOV, V. N. The problem of controlling time in forestry and the part played by plant selection in the solution of this problem. 13 p. Transl. 13929  
Translation from Tsentral'nyi Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva. Byulleten', 1934:14-26.
- \*SOVIET agriculture in the years 1953-1962. Prob. Econ. 6(9):56-63. Jan. 1964. 280.8 V89Ae  
SPASOV, D. Seed production. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 177:1-10. June 28, 1963. 173 J663Ste  
Translation from Kooperativno Zemedelie 5: 5-6. May 1963.
- \*SPEKTOROV, K. S., and LIN'KOVA, E. A. A new simple method of synchronizing Chlorella cultures. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 147(1/6):1262-1264. Ref. May/June 1963. 511 P444Aeb  
SPORL, H. H., and BACHMANN, G. Contribution to automation in the production of laminated wood of any length by using HF energy. 14 p. Ref. Transl. 13586  
Translation from Holztechnologie 3(3):250-257. 1962.
- STACHYRA, T. Degenerative diseases of hops in Poland. p.126-157. Ref. (OTS 60-21574) 464 P87  
Translation from Poznan. Instytut Ochrony Roslin. Prace Naukowe 1(3):95-131. 1959.
- STAIU, I. Preparations for spring agricultural work: Rumania. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 235:46-49. Mar. 23, 1964. 173 J663Ste  
Translation from Agricultura Socialista 9:1,3. Feb. 27, 1964.
- \*STAN, S., and STENESCU, N. A study of the effect of gibberellins on the corn coleoptile using a biological test. Soviet Plant Physiol. 9(5):460-464. Ref. Mar./Apr. 1963. 450 F58Ae  
STANECKI, M. Accuracy of photogrammetric measurements of tree and stand heights. 11 p. (OTS 61-11328) Transl. 13385  
Translation from Roczniki Nauk Lesnych 13: 45-55. 1955.
- STANOJEVIC, J., and BADNJAREVIC, E. R. The extent, types, and results of cooperation in animal husbandry in Serbia. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 170:16-41. June 11, 1963. 173 J663Ste  
Translation from Poljoprivreda i Zadrugarstvo 10(2):8-16. Feb. 1963.
- \*STARODUMOV, YU. N. Mechanized auger for taking undisturbed soil samples. Soviet Soil Sci. 7:770-772. July 1962. 57.8 P34Ae  
STAROS, Z., and SZCZEPANSKI, S. On peasant self-government in rural cooperatives. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 142:1-25. Apr. 8, 1963. 173 J663Ste  
Translation from Nowe Drogi 3:12-21. Mar. 1963.
- \*STARY, P. Notes on aphid parasites (Hymenoptera, Aphididae) of the southern Crimea. Ent. Rev. 41(4):544-545. Oct./Dec. 1962. 421 R322Ae  
STASIAK, A. Changes in housing situation of Polish rural population 1950-1960. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 161:19-47, map. May 21, 1963. 173 J663Ste  
Translation from Wies Wspolczesna 3:48-61. May, 1963.
- STEFANOV, B. Problems of forestry development and scientific research tasks of the Institute of Forests at the Academy of Agricultural Sciences in Bulgaria. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 117:14-27. Feb. 1, 1963. 173 J663Ste  
Translation from Priroda 4:108-112. July/Aug. 1962.
- \*STEFANOVSKI, I. A. Resistance of winter rye and wheat to drenching. Soviet Plant Physiol. 9(5):470-473. Ref. Mar./Apr. 1963. 450 F58Ae  
\*STEPANEST, I. T. Elements of ash exchange in 10-year old elm and birch plantations on Dark-Chestnut soils. Soviet Soil Sci. 2:153-157. Feb. 1963. 57.8 P34Ae  
\*STEPANETS, I. T. Moisture consumption by birch and Chinese elm plantations on Ural dark Chestnut soils. Soviet Soil Sci. 9:949-957, map. Ref. Sept. 1962. 57.8 P34Ae  
\*STEPANOV, I. N. Snow cover and soil formation in high mountains. Soviet Soil Sci. 3:270-276. Ref. 57.8 P34Ae  
\*STEPANOVA, L. A. Ecology of crucifer pests. Ent. Rev. 41(4):451-460. Ref. Oct./Dec. 1962. 421 R322Ae  
STILLE, B. On the durability of frozen fish after thawing. 4 p. Transl. 13452  
Translation from Zeitschrift für die gesamte Kälte Industrie 48(11):176-177. Nov. 1941.
- STIPETIC, V. The effect of exports and imports on the domestic produce market. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 222:1-22. Jan. 27, 1964. 173 J663Ste  
Translation from Poljoprivreda i Zadrugarstvo 10(11):3-21. Nov. 1963.
- STIPETIO, V. Examination of the Yugoslav food products market in the 1956-1961 period. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 148:1-91. Apr. 23, 1963. 173 J663Ste  
Translation from Ekonomski Pregled 10/11: 801-833. 1962.
- STOCKLASA, J. On the resorption of aluminum ions by the root-system of plants. 21 p. Transl. 13451  
Translation from Biochemische Zeitschrift 128:35-47. 1922.
- STOFKO, J. Flakeboard material with directed woodchips. 18 p. Ref. Transl. 13467  
Translation from Drevarsky Vyskum 2:127-146. 1962.
- STOILOV, S. The relation between intensive and extensive expanded reproduction in the cooperative farms (TKZS's). U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 187:1-32. July 30, 1963. 173 J663Ste  
Translation from Novo Vreme 39(6):53-66. June 1963.
- \*STOLIAROV, S., and SMIRNOVA, Z. Analysis of price structure. Prob. Econ. 6(9):11-21. Jan. 1964. 280.8 V89Ae  
STRATILEK, A. Financing agricultural enterprises in the state agricultural sector and uniform agricultural cooperatives: Czechoslovakia. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 242:1-13. Apr. 17, 1964. 173 J663Ste  
Translation from Finance a Uver 1:6-13. Jan. 1964.
- STRUTSOVSKAYA, E. S. Initial plant material in breeding winter wheat for resistance to lodging. 4 p. Transl. 13681  
Translation from Vsesoyuznyi Institut Rastenievodstva. Byulleten' 9:44-47. 1961.
- STRYJEWSKI, F. Scheme for instruction for the renovation of pipe drainage systems. 11 p. (OTS 61-31308) Transl. 13386  
Translation from Wiadomosci Instytutu Melioracji i Uzytkow Zielonych 1:137-148. 1958.
- SUBBOTIN, V. Calculation and reports on state and collective farms. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 11:10-18. May 13, 1963. 173 J663Tso  
Translation from Ekonomicheskaya Gazeta 13: 5-8. Mar. 30, 1963.



- \*SUCHOV, S. P. Productivity of soils of Uzbekistan under irrigation for varying lengths of time. *Soviet Soil Sci.* 10:1111-1118. Ref. Oct. 1962. 57.8 P34Ae
- SUCHTING, H. Green manures in forestry. 50 p. Transl. 13931  
Translation from *Zeitschrift für Forst- und Jagdwesen* 60:321-371. 1928.
- SUDYNA, O. G., and DOVBISH, K. P. Effect of lighting conditions on the conversion of green pigments. 15 p. Ref. Transl. 13660  
Translation from *Ukrayin'skyi Botanichnyi Zhurnal* 19(3):10-19. 1962.
- SUKACHEV, V. N., and FEDOROV, A. A. The role of modern botany in building a communist society, raising the level of agriculture and medicine in the USSR, and the principal tasks facing it. 21 p. Transl. 13888  
Translation from *Botanicheskii Zhurnal* 49(2): 161-176. 1964.
- \*SUKHANOVSKII, S. I., and AKHMINA, E. I. Influence of the chemical composition of hydrolytic lignin on the physical and mechanical properties and structure of granulated carbons. *J. Appl. Chem. USSR.* 35(12):2641-2646. Dec. 1962. 385 Z64Ae
- \*SUKHAREVA, B. S. The uptake of labeled amino acids in insulin and its polypeptide chain B. *Biochemistry (Biokhimiya)* 28(1):34-43. Ref. Jan./Feb. 1963. 385 B523Ae
- \*SUKHORUKOV, K. T., and PLOTNIKOVA, YU. M. On the physiology of ectodermis. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 147(1/6):1412-1414. May/June 1963. 511 P444Aeb
- \*SUMAROKOV, V. P. Leonid Petrovich Zherebov and his work on the chemistry of wood and on chemical technology (on the 100th anniversary of his birth). *J. Appl. Chem. USSR* 36(6): 1323-1324. Ref. June 1963. 385 Z64Ae
- SUN, S. C. The three investigations of agricultural-output investigation. *Communist China Digest* 113:93-97. Feb. 6, 1964. 280.8 C735  
Translation from *Ching-chi Yen-chiu* 9. Sept. 1963.
- SUN, Y. P. Summary of views on labor forces and labor productivity. *Communist China Digest* 102:1-10. Sept. 30, 1963. 280.8 C735  
Translation from *Ching-chi Yen-chiu*, No. 5. May 17, 1963.
- SUOPEK, B., and TRPISOVSKY, J. Modern technology, a basis for industrialization of Czechoslovak agriculture. *U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus.* 118:1-15. Feb. 7, 1963. 173 J663Ste  
Translation from *Statistika Kontrola* 12:758-766. Dec. 1962.
- \*SUPRYAGA, I. K. Deflation of soils in Novosibirsk Oblast'. *Soviet Soil Sci.* 11:1291-1294. Nov. 1962. 57.8 P34Ae
- \*SUPRYCHEV, V. A. New calcareous formations in the soil-forming parent material in the Sivash Region. *Soviet Soil Sci.* 4:383-386. Ref. Apr. 1963. 57.8 P34Ae
- \*SURKOVA, L. I. Features of winter dormancy of citrus plants. *Soviet Plant Physiol.* 9(5): 483-488. Ref. Mar./Apr. 1963. 450 F58Ae
- SURMACH, G. P. Conditions determining the absorption of spring snow water by the soil. 6 p. Transl. 13706  
Translation from *Zemledelie* 3:8-12. Jan. 1955.
- \*SURMACH, G. P. Method for determining the water permeability of soils and shower run-off. *Soviet Soil Sci.* 11:1295-1299. Ref. Nov. 1962. 57.8 P34Ae
- SURMACH, G. P. Study of permeability and runoff on detrital Chestnut soil by the sprinkling method. 11 p. (OTS 63-11037)  
Transl. 13527  
Translation from *Pochvovedenie* 10:936-944. 1952.
- \*SURMACH, G. P. Water erosion study on the left bank of the Volga River in Kuybyshev. *Soviet Soil Sci.* 2:187-193. Ref. Feb. 1962. 57.8 P34Ae
- SUSHKINA, N. N. Nitrification of forest soils with reference to the composition of the stands, cutting and fire. 49 p. Ref. Transl. 13932  
Translation from *Akademiya Nauk SSSR. Izvestiya* 1933:111-159.
- SUSS, N. I. Agro-silvicultural rehabilitation projects. 83 p. Transl. 13933  
Translation of *Agrolesomeliorativnoe Delo*.
- SUSS, N. I. Forestation of farmland and its importance in combating crop failures. 13 p. Transl. 13934  
Translation from *Na Lesokulturnom Fronte* 1: 12-21. 1932.
- SVESHNIKOVA, I. N., and BOLYAKINA, YU. P. Electronmicroscopic investigation of seeds of sunflower and the accumulation of reserve substances. 5 p. Ref. Transl. 13665  
Translation from *Akademiya Nauk SSSR. Doklady* 151(5):1222-1224. 1963.
- \*SVESHNIKOVA, I. N., and BOLYAKINA, YA. P. Electron microscopic investigation of sunflower seeds and the accumulation of reserves. *Acad. Sci. USSR. Dok. Biol. Sci.* 151(1/6):928-931. Ref. Jan./Feb. 1964. 511 P444Aeb
- \*SVESHNIKOVA, M. A., and MAKSIMOVA, T. S. Utilization by Actinomycetes of various carbon sources. *Microbiology* 31(6):783-787. May/June 1963. 448.3 M582Ae
- \*SVETLOV, P. G., and KORSKOVA, G. F. The action of chemical agents on manifest signs of mutation in *Drosophila melanogaster*. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 150(1/6):711-713. Ref. Nov./Dec. 1963. 511 P444Aeb
- SVETLOV, P. G. Effect of environmental conditions on sex determination in *Drosophila melanogaster*. *Fed. Amer. Soc. Expt. Biol. Fed. Proc.* 23(1,pt.2):T202-T208. Ref. Jan./Feb. 1964. 442.9 F31P  
Translation from *Tsitologiya* 4(4):391. 1962.
- \*SVETLOV, P. G., and KORSKOVA, G. F. Importance of the composition of the diet to the manifestation of signs of forked mutations in the offspring of *Drosophila melanogaster*. *B. Expt. Biol. & Med.* 54(9):1036-1038. Sept. 1962. 442.8 B87Ae
- SVIDERSKII, V. L. Nervous regulation of insect wing function. *Fed. Amer. Soc. Expt. Biol. Fed. Proc.* 23(2,pt.2):T213-T217. Mar./Apr. 1964. 442.9 F31P  
Translation from *Fiziologicheskii Zhurnal SSSR imeni I. M. Sechenova* 49(2):66. 1963. 1963.
- \*SVINAREV, V. I., and KHAMDAMOV, I. Effect of sowing rates and contact between seeds during swelling and germination upon survival and productivity of *Kochia*. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 148(1/6):235-237. July/Aug. 1963. 511 P444Aeb
- SVIRIDOV, A. A. Medicinal-prophylactic measures for treatment of cattle in cases of malignant foot-and-mouth disease. 3 p. Transl. 13300  
Translation from *Veterinariya* 3:27. Mar. 1963.
- SWIRSKI, E., and GOTHILF, S. Trials in controlling the citrus rust mite with zineb (dithane and mizid). 11 p. Transl. 13387  
Translation of Rehovot, Agricultural Research Station. Preliminary Report 202. 1958.
- \*SYCHEVSKAYA, V. I. Changes in the diurnal composition of species of synanthropic flies in the course of the season. *Ent. Rev.* 41(3):333-337. Ref. July/Sept. 1962. 421 R322Ae
- SYNZYNYS, B. Z. The specialization and concentration of agricultural production. *U. S. Joint P. Res. Serv. Transl. Soviet Agr.* 19:1-11 Dec. 20, 1963. 173 J663Tso  
Translation from *Vestnik Sel'skokhozyaistvennoi Nauki* 9:130-137. 1963.
- \*SYUI, Z. S., and KUZOVKOV, A. D. Alkaloids of *Leontice ewersmannii* Bge. *V. J. Gen. Chem. USSR* 33(6):2012-2016. June 1963. 385 Z6Ae

- \*SZABO, I., and others. Complex soil-biological investigations of Rendzinas. *Soviet Soil Sci.* 10:1179-1187. Ref. Oct.1962. 57.8 P34Ae  
M. Marton, L. Varda, and S. Schonfeld, joint authors.
- \*SZABOLCS, I. Effect of drainage and irrigation on the soil forming processes in the Hungarian lowland. *Soviet Soil Sci.* 10:1174-1178, map. Ref. Oct.1962. 57.8 P34Ae  
SZCZEPANIK, S. Prospects for increasing procurement of agricultural products on basis of 1962 plan fulfillment. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 155:93-99. May 6,1963. 173 J663Ste  
Translation from Nowe Rolnictwo 4:47-48. Feb.15/28,1963.
- SZCZEPANSKI, S. Contracting for agricultural production requires further improvement: Poland. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 233:8-14. Mar.13,1964. 173 J663Ste  
Translation from Nowe Drogi 2:78-83. Feb. 1964.
- SZEDERKENYI, H. Level of production on state farms. U. S. Joint P. Res. Serv. [Transl.] Agr. Forestry & Fishing Hungary 54:1-23. Apr.8,1963. 173 J663Agf  
Translation from Statisztikai Szemle 41(1): 54-71. Jan.1963. 173 J663Agf
- SZERSZEN, B. Mineral fertilizers in Polish agriculture today and in perspective. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 162:12-28. May 21, 1963. 173 J663Ste  
Translation from Wies Wspolczesna 3:73-79. Mar.1963.
- SZKLARZ, W. Investigation on the size of drops in overhead irrigation. 12 p. Ref. (OTS 61-31312) Transl. 13537  
Translation from Wroclaw. Wyzsza Szkola Rolnicza. Zeszyty Naukowe 3:143-155. 1958.
- SZKLARZEWICZ, J. The economic problems of egg production: Poland. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 226:35-46. Feb.20,1964. 173 J663Ste  
Translation from Nowe Rolnictwo 23:32-37. Dec.1/15,1963.
- SZMALC, B. Difficulties with milk. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 189:23-38. Aug.19, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 12:22-24. June 16/30,1963.
- SZMALC, B. Milk reserve sought. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 210:19-27. Nov.15, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 18:11-12. Sept.16/30,1963.
- SZONGOTH, M. Evaluation of the bulk purchasing program and problems of its further development. U. S. Joint P. Res. Serv. [Transl.] Agr. Forestry & Fishing Hungary 59: 1-21. Aug.19,1963. 173 J663Agf  
Translation from Elelmezési Ipar 12(6):185-192. June 1963.
- SZULC, K. The status and projected development of horticultural production: Poland. I-II. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 226:14-34. Feb.20,1964. 173 J663Ste  
Translation from Nowe Rolnictwo 22:31-35. 23:39-42. Nov.16/30-Dec.1/15,1963.
- SZULC, P. Investigations on effects of cultivation on losses in winter rape yields caused by pests. p.50-84. Ref. (OTS 60-21574) 464 P87  
Translation from Poznan. Instytut Ochrony Roslin. Prace Naukowe 1(1):231-273. 1959.
- TADIC, M. The biology of the codling moth (*Carpocapsa pomonella* L.) as the basis for its control. 97 p. Ref. (OTS 60-21681) 430 T12Be  
Translation of Jabucni smotavac (*Carpocapsa pomonella* L.): biologija kao osnova za njegovo suzbijanje.
- \*TAGEEVA, S. V., and KAZANTSEV, E. N. Movement of cytoplasm and chloroplasts in cells of detached leaves of *Elodea canadensis*. *Soviet Plant Physiol.* 9(5):435-441. Ref. Mar./Apr.1963. 450 F58Ae
- \*TAHA, M. S. Isolation of some nitrogen-fixing blue-green algae from the rice fields of Egypt in pure cultures. *Microbiology* 32(3):421-425. Ref. Nov./Dec.1963. 448.3 M582Ae  
T'AI-JAN, L. Plant more wood beans to augment feed. p.32-37. Transl. 12989  
Translation from Chung-kuo Lin-yeh 6:15. 1962.
- TAKAMUKU, S., and YAHAMA, Y. On lignin carbohydrate complex isolated from irradiated wood powder. 7 p. Ref. Transl. 13279  
Translation from Chemical Society of Japan. Journal. Industrial Chemistry Section 64(9): 1662-1664. 1961.
- \*TAKHA, M. S. Effect of concentration of different components of the medium on growth and nitrogen fixation by blue-green algae. *Microbiology* 32(4):498-503. Ref. Jan./Feb. 1964. 448.3 M582Ae
- \*TALALAYEV, YE. V. Bacillus infection of caterpillars of the Siberian silkworm, *Dendrolimus sibiricus* Tshtv. (Lepidoptera, Lasiocampidae), caused by *Dendrobacillin*. *Ent. Rev.* 41(1):30-36. Jan./Mar.1962. 421 R322Ae
- TALHOUK, A. S. *Aceria phloeocoptes* (Nal.), a serious eriophyid pest of almond in Lebanon and Syria. *Amer. U. Beirut. Facul. Agr. Sci.* P. 22,7 p. Nov.1963. 22.5 Am322  
Translation from Anzeiger fur Schadlingsskunde 36(9):129-132. 1963.
- TAMAS, GY. Economic problems of the food industry's long-range plans and the tasks of raising productivity. U. S. Joint P. Res. Serv. [Transl.] Agr. Forestry & Fishing Hungary 57: 70-83. July 2,1963. 173 J663Agf  
Translation from Elelmezési Ipar 17(4):104-110. Apr.1963.
- TAMMES, T. The blue-flowered and the white-flowered flaxes and their practical significance. 15 p. Transl. 13280  
No source of translation given.
- TANASESCU, G. The meat industry since the advent of the people's democracy. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 117:62-69. Feb.1,1963. 173 J663Ste  
Translation from Industria Alimentara. Produse Animale 10(8):235-237. Aug.1962.
- TANASIJEVIC, D., and PAVICEVIC, N. The soil cover of Macva, Pocerina and Jadar. 134 p.,map. Ref. (OTS 60-21614) Transl. 13526  
Translation from Zemljiste i Biljka 2(2):193-316. 1953.
- \*TANASIYCHUK, V. N. New and little-known species of the genus *Leucopis* (Diptera, Chamaemyiidae) from the European part of the USSR. *Ent. Rev.* 41(1):132-138. Ref. Jan./Mar.1962. 421 R322Ae
- T'ANG, P. S. Increase yields per unit on the basis of the rate of utilization of solar energy by plants. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 82:18-28. Jan.15,1964. 173 J663Trc  
Translation from Jen-min Jih-pao, Nov.12, 1963:5.
- TARAKANOF, M. A. Influence of exposure (to the sun) upon growth of pine-needles. 16 p. Transl. 13938  
Translation from Akademiya Nauk SSSR. Botanicheskii Sad. Izvestiya 30(5/6):573-588. 1933.
- \*TARASEVICH, I. V., and KULAGIN, S. M. The role of birds in the epidemiology of Q fever. *J. Microbiol. Epidemiol. & Immunobiol.* 32(5): 809-815. Ref. 1961,pub.1962. 448.3 Z4Ae
- TARASEVICH, V., and BLYANKMAN, Y. How to better utilize agricultural capital investment in Belorussia. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 20:15-24. Dec.30,1963. 173 J663Tso  
Translation from Ekonomika Sel'skogo Khozyaistva 10:64-70. 1963.



- TARASKEVICH, G. USSR timber resources. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 23:74-79. Feb.4,1964. 173 J663Tso  
Translation from Kommunist 16:85-89. 1963.
- \*TARCHEVSKII, I. A., and SIYANOVA, N. S. Effect of drought on the post-photosynthetic transformations of carbon in wheat leaves. Soviet Plant Physiol. 9(5):429-434. Mar./Apr. 1963. 450 F58Ae
- \*TARCHEVSKII, I. A., and KARPILOV, YU. S. On the nature of products of short term photosynthesis. Soviet Plant Physiol. 10(2):183-184. Ref. Sept./Oct.1963. 450 F58Ae
- \*TARGUL'YAN, V. O. Migration of some chemical elements with river waters in mountain-taiga regions. Soviet Soil Sci. 6:558-566. Ref. June 1963. 57.8 P34Ae
- TAVETKOV, V. New work norms for cooperators working in motor transport. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 138:32-42. Mar.29, 1963. 173 J663Ste  
Translation from Otchetnost i Kontrol v Sel'skoto Stopanstvo 7(12):564-569. Dec.1962.
- TAWSKI, W. Credits for individual farmers in 1963. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 169:44-56. June 10,1963. 173 J663Ste  
Translation from Wies Wspolczesna 4:143-148. Apr.1963.
- \*TE-MING, S. Soil erosion caused by meltwater in the non-Chernozem belt and snow melt regulation. Soviet Soil Sci. 4:360-363. Apr.1962. 57.8 P34Ae
- TEDER, A. Influence of some variables on the defibratability of dried paper pulps. 11 p. Transl. 13587  
Translation from Svensk Papperstidning 65 (24):991-1000. 1962.
- TEIPEL, R. Suggestions for amelioration during Spring 1963. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 176:17-20. June 26,1963. 173 J663Ste  
Translation from Wasserwirtschaft-Wasser-technik 2:61. Apr.1963.
- \*TEITELBAUM, B. YA., GUBANOV, E. F., and NAUMOV, V. A. Contribution to the problem of the crystallization of natural rubber. Acad. Sci. USSR. Proc. Chem. Sect. 145(1/6):737-739. July/Aug.1962. 511 P444Aec
- TEITELBAUM, B. YA., and GUBANOV, E. F. Thermomechanical characterization of the molecular weight of linear polymers exemplified by natural rubber. Rubber Chem. & Technol. 37(1):99-102. Jan./Mar.1964. 78.8 R822  
Translation from Akademiya Nauk SSSR. Doklady 14(6):1384-1386. 1963.
- \*TEPPER, E. Z. Bacteria of autochthonous soil microflora which decompose humus substances. Microbiology 32(4):558-563. Ref. Jan./Feb. 1964. 448.3 M582Ae
- \*TER-MINASYAN, M. YE. New species of the genus *Larinus* Germ. (Coleoptera, Curculionidae) from Transcaucasia. Ent. Rev. 41(4):542-543. Oct./Dec.1962. 421 R322Ae
- TERENT'YEV, M. A drive for a powerful program of improvements in agriculture. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 21:28-47. Dec.31,1963. 173 J663Tso  
Translation from Voprosy Ekonomiki 9:4-15. Sept.1963.
- \*TERENT'YEVA, N. L. Dynamics of the total nitrogen content in soil under pine plantation on Oleshkov sands. Soviet Soil Sci. 1:34-39. Ref. Jan.1962. 57.8 P34Ae
- TERMIER, H. Erosion and sedimentation. 433 p., map. Ref. (The University series in geology) 56.7 T27Ae  
Translation of Erosion et sedimentation.
- \*TERNOVSKII, M. F., and DASHKEEVA, K. N. Reaction of *Nicotiana* species to infection with tobacco downy mildew. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):813-851. Nov./Dec. 1963. 511 P444Aeb
- \*TERSKOV, I. A., and KOLOMIYETS, N. G. Attraction of Siberian silkworm moths (*Dendrolimus sibiricus* Tschetv. Lepidoptera, Lasiocampidae) to ultraviolet light. Ent. Rev. 41 (2):188-189. Apr./June 1962. 421 R322Ae
- TERSKOV, I. A., and KOLOMIYETS, N. G. Attraction of the moths of Siberian silkworm—*Dendrolimus sibiricus* Tschetv. (Lepidoptera, Lasiocampidae) by the ultra-violet light. 4 p. Transl. 13666  
Translation from Entomologicheskoe Obozrenie 41(2):306-309. 1962.
- THANH, V. Husbandry in cooperatives. U. S. Joint P. Res. Serv. Trans. No. Vietnam's Econ. 82:23-26. Jan.29,1964. 173 J663Trn  
Translation from Khoa Hoc Ky Thuat Nong Nghiep 8:8. Aug.1,1963.
- THIEN, L. Set up purchasing and selling cooperatives in communities. U. S. Joint P. Res. Serv. Trans. No. Vietnam's Econ. 83:53-66. Feb.3,1964. 173 J663Trn  
Translation from Nghien Cuu Kinh Te 17:50-56. Oct.1963.
- THUNELL, B., and KILSTROM, L. The influence of saw tooth dimensions on lateral stability. 7 p. Transl. 13589  
Translation from Holztechnologie 3(2):145-149. 1962.
- TIEN-YUAN, H. Characteristics of krasnozem and its improvement and use. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 71:26-46. Nov.20,1963. 173 J663Trc  
Translation from Chung-kuo Nung-yeh 5:18-23. 1963.
- TIET, V. Q. Some views concerning our present foodstuff problem. U. S. Joint P. Res. Serv. Trans. Hoc Tap (Studies). No. Vietnam 8:24-30. Sept.24,1964. 173 J663Th  
Translation from Hoc Tap 8. Aug.1963.
- \*TIKHOMIROV, B. A. The problems of utilizing edible wild plants in the Far North of the U.S.S.R. Prob. North 6:199-205. Ref. 1962. 475 P944Ae
- TIKHOMIROV, B. M., and TISHCHENKOV, I. A. Growth of the Siberian larch [*Larix sibirica*] in the Khakas district of Siberia. 68 p. Ref. Transl. 13939  
Translation from Sibirskii Institut Sel'skogo Khozyaistva i Lesovodstva 12(1/3):87-166. 1929.
- TIKHOMIROV, V. G. Hybridization of wild rye (*Secale cereale* ssp. *segetale* (Zhuk.) with cultivated varieties. 13 p. Transl. 13683  
Translation from Trudy po Prikladnoi Botanike, Genetike i Selektii 32(2):259-270. 1960.
- TIMOFEEV, V. P. Results in silviculture (preliminary report of the Forestry Laboratory of the Central Research Institute). 15 p. Transl. 13940  
Translation from Lesnoe Khozyaistvo i Lesoeksploitatsiya 2. 1932.
- TIMOFEEV, M. K., KARELINA, V. I., and KOLUSHEV, I. P. An outbreak of anthrax along the Arzamas-Gorky cattle-driving trail. 7 p. Transl. 13667  
Translation from Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii 33(7):32-35. 1962.
- \*TIMOFEYEV, B. V. The age of the older sedimentary rocks of the northern Elbrus Region. Acad. Sci. USSR. Dok. Earth Sci. Sect. 144 (1/6):33-35. May 1964. 511 P444Aee
- \*TIMOFEYEV, P. P., and BOGOLYUBOVA, L. I. The degree of decomposition of vegetable matter as an index of tectonic environment in regions of peat accumulation. Acad. Sci. USSR. Dok. Earth Sci. Sect. 144(1/6):93-95. Ref. May 1964. 511 P444Aee
- TIMOMEYEVA, R. A., and YAKUTINA, E. V. An outbreak of *Salmonella paratyphi* C food poisoning. 3 p. Ref. Transl. 13333  
Translation from Gigiena i Sanitariya 8:73-74. 1963.

- TIMOTIC, M. Credits for current assets in agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 191:66-98. Aug. 27, 1963. 173 J663Ste  
Translation from Poljoprivreda i Zadrugarstvo 10(6):20-30. June 1963.
- T'ING, L. The results and experiences of farm protection forest belt in the Manas reclamation area. p.11-18. Transl. 12989  
Translation from Chung-kuo Lin-yeh 6:11-12. 1962.
- TING, P. L. On natural renewal of Ta-hsing-an-ling forests. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 28:69-77. Feb. 12, 1963. 173 J663Trc  
Translation from Chung-ku Lin-yeh 3:7-10. 1962.
- \*TITLYANOVA, A. A. Behavior of cesium and rubidium in soils. Soviet Soil Sci. 3:277-284. Ref. Mar. 1962. 57.8 P34Ae
- \*TITOVA, N. A. Iron humus complexes of certain soils. Soviet Soil Sci. 12:1351-1356. Ref. Dec. 1962. 57.8 P34Ae
- TKACHENKO, F. A. Heterosis and its significance for the development of vegetable-crop breeding. 11 p. Ref. Transl. 13889  
Translation from Botanicheskii Zhurnal 49(2): 280-286. Feb. 1964.
- TKACHENKO, N. N., and GAVRILOV, N. V. Hybrids and self-pollinated lines of sweet corn at the Opytno-Selektsionnaya Stantsiya of the Vsesoyuznyi Institut Rastenievodstva in Krymsk. 9 p. Transl. 13503  
Translation from Vsesoyuznyi Institut Rastenievodstva. Byulleten' 9:3-9. 1961.
- TOAN, N. K., and HAU, L. D. Increase the production of export goods. U. S. Joint P. Res. Serv. Trans. No. Vietnam's Econ. 68:1-24. Nov. 2, 1963. 173 J663Trn  
Translation from Nghien Cuu Kinh Te 15:55-66. June, 1963.
- TODOROV, V. The substance of non-divisible funds in TKZS: Bulgaria. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 226:1-13. Feb. 20, 1964. 173 J663Ste  
Translation from Ikonomichesko Misul 9:30-40. Nov. 1963.
- TODOROV-GORUNYA, I. Irrigation and related construction. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 176:8-16. June 26, 1963. 173 J663Ste  
Translation from Kooperativno Zemedelie 4: 1-2. Apr. 1963.
- TOGLIANI, F. The vitamins in rice. Rice J. 67(2):33-34. Feb. 1964. 59.8 R36  
Translation from Il Riso, Dec. 1957.
- \*TOLCHEL'NIKOV, YU. S. Calcium sulphate and carbonate neoformations in sandy desert soils. Soviet Soil Sci. 6:643-650. Ref. June 1962. 57.8 P34Ae
- TOLOKONNIKOVA, E. V., and MOISEEVA, I. G. Effect of the introduction of heterogenic blood in hens upon their offspring. 13 p. Ref. (OTS 63-11046) Transl. 13704  
Translation from Akademiya Nauk SSSR. Institut Genetiki. Trudy 24:372-384. 1958.
- \*TOLSTIKOV, G. A., LISHTVANOVA, L. N., and GORYAEV, M. I. An investigation of substances forming part of essential oils. VI. Hydration of sabinene. J. Gen. Chem. USSR 33(2):676-679. Feb. 1963. 385 Z6Ae
- \*TOLSTIKOV, G. A., and GORYAEV, M. I. Substances contained in essential oils. VII. J. Gen. Chem. USSR 33(6):2007-2009. Ref. June 1963. 385 Z6Ae
- \*TOLSTOVA, YU. S. The insect fauna of raspberry canes (*Rubus idaeus* L.) in the suburbs of Leningrad. Ent. Rev. 41(2):176-180. Ref. Apr./June 1962. 421 R322Ae
- \*TOMILOVA, V. N. Insect fauna of plantings of trees and shrubs in Irkutsk. Ent. Rev. 41(1): 71-83. Jan./Mar. 1962. 421 R332Ae
- TORIN, V. S. Comparative effectiveness of nitrophoska and mixtures of ordinary, fertilizers under localized application to corn and millet. 4 p. Transl. 13951  
Translation from Timiryazevskaya Sel'skokhozyaistvennaya Akademiya. Doklady 64:15-18. 1961.
- TORJE, D. Results of research with agricultural plant varieties. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 125:50-56. Feb. 27, 1963. 173 J663Ste  
Translation from Revista Internacionala Pentru Agricultura 6:37-39. Nov./Dec. 1962.
- TOSKIC, V. The activity and problems of the agricultural inspectorate. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 217:8-14. Jan. 3, 1964. 173 J663Ste  
Translation from Poljoprivreda 11(7):7-11. July 1963.
- TOSOVIC, S. Basic problems of concepts of agricultural development. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 217:1-7. Jan. 3, 1964. 173 J663Ste  
Translation from Poljoprivreda 11(7):1-6. July 1963.
- TOSOVIC, S. The marketability of the Yugoslav agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 194:33-43. Sept. 5, 1963. 173 J663Ste  
Translation from Poljoprivreda i Zadrugarstvo 10(7):11-15. July 1963.
- TRIBUNSKAYA, A. YA. Adsorption of nitrogen and phosphorus by pine seedlings on Gray Forest soils. 6 p. (OTS 63-11013) Transl. 13525  
Translation from Akademiya Nauk SSSR. Doklady 97(5), 1954.
- TRUBNIKOV, V. F., and CHENIKOV, V. V. Kinetics of the vapour sorption by tobacco leaves. 8 p. Transl. 13670  
Translation from Vys. Ucheb. Zav. Pishch. Tekh. Izv. 4:150-153. 1962.
- TRUCKENBRODT, G. Studies on the action of copper against wood pathogens. 18 p. Ref. Transl. 13588  
Translation from Phytopathologische Zeitschrift 41:370-386. 1961.
- \*TRUKHIN, N. V. A comparative study of the occurrence of thermophilic strains of *Chlorella* and *Scenedesmus* in waters. Microbiology 32(3):439-444. Ref. Nov./Dec. 1963. 448.3 M582Ae
- \*TRUKHIN, N. V. Temperature effect on the light optimum for *Chlorella pyrenoidosa* growth. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 149(1/6):542-543. Sept./Oct. 1963. 511 P444Aeb
- TRUONG, N. Discussion on the direction of production of the agricultural cooperatives. U. S. Joint P. Res. Serv. Transl. Hoc Tap (Studies) 10:47-64. Nov. 19, 1963. 173 J663Th  
Translation from Hoc Tap 10:25-30. Oct. 1963.
- \*TRYAPITSIN, V. A. Materials on the encyrtid fauna (Hymenoptera, Encyrtidae) of the Caucasus. I. Ent. Rev. 41(2):260-265. Ref. Apr./June 1962. 421 R322Ae
- TSAGANHUU, A. A better use of fixed and revolving capital of agricultural production enterprises. U. S. Joint P. Res. Serv. Transl. Mongolia 37:9-18. Sept. 29, 1963. 173 J663Tmo  
Translation from Namyn Am'dral 6:9-11. June, 1963.
- TS'AI, T. Y. Problems of improving the accounting systems on rural people's communes and production brigades. U. S. Joint P. Res. Serv. Transl. Communist China's Trade, Finance, Transportation & Commun. 95:1-7. Apr. 21, 1964. 173 J663Tcc  
Translation from Kuang-ming Jih-pao, Mar. 2, 1964:4.
- \*TSARIKOV, N. N. Electrical recording of movements of the gizzard and oviduct of birds. B. Expt. Biol. & Med. 54(12):1409-1411. Jan. 1964. 442.8 B87Ae



- \*TSELNIKER, YU. L. The relation between the annual growth cycle of arboreal shoots, nucleic acid contents and water relations of the growing points. *Soviet Plant Physiol.* 10(3):279-287. Ref. Nov./Dec.1963. 450 F58Ae
- TSENG, C. K. On the tenth anniversary of the study of marine algae in China. 15 p. Ref. Transl. 13290  
Translation from *Botanicheskii Zhurnal* 45 (9):1395-1399. Sept.1960.
- TSENG, T. C. Canton transport industry's overwhelming support to agriculture. U. S. Joint P. Res. Serv. Transl. Communist China's Trade, Finance, Transportation & Commun. 91: 13-16. Feb.20,1964. 173 J663Tcc  
Translation from *Chung-kuo Hsin-wen*, Dec.25, 1963:13-14.
- TSENOV, A., PENEV, T., and KARAIVANOV, A. The character and reasons for damage to wheat and barley in northeastern Bulgaria in the winter of 1961-1962. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 224:1-14. Ref. Feb.5,1964. 173 J663Ste  
Translation from *Selskostopanska Nauka* 10: 1212-1222. Nov.1963.
- \*TSONEVA-MANEVA, M. T., and UGRYUMOV, E. P. A study on the agglutinating properties of phytohemagglutinin obtained from six variety of *Phaseolus vulgaris*. B. Expt. Biol. & Med. 55(2):182-185. Ref. Mar.1964. 442.8 B87Ae
- TSUNG, H. A discussion of the ratio between grain and cotton. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 68:15-27. Oct.30,1963. 173 J663Trc  
Translation from *Ta Kung Pao*, Sept.23,1963: 3.
- TSUNG, H. A preliminary investigation into the question of rate of agricultural development. *Communist China Digest* 113:83-93. Feb.6,1964. 280.8 C735  
Translation from *Ta Kung Pao* Oct.28,1963.
- TSUNG, H. A preliminary investigation of the problem of speed in agricultural development. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 76:62-73. Dec.12,1963. 173 J663Trc  
Translation from *Ta Kung Pao*, Oct.28,1963:3.
- TS'UNG-LIN. Meeting for the interchange of good in rural areas. U. S. Joint P. Res. Serv. Transl. Communist China's Trade, Finance, Transportation & Commun. 71:12-16. Nov.20, 1963. 173 J663Tcc  
Translation from *Ta Kung Pao*, Oct.6,1963:2.
- \*TSYBUL'KO, V. S. Diurnal variations of the content of assimilation products in leaves of long-day and short-day plants. *Soviet Plant Physiol.* 9(5):453-459. Ref. Mar./Apr.1963. 450 F58Ae
- TSYRLIN, L. Comparisons of Soviet and American industry and agriculture. U. S. Joint P. Res. Serv. [Transl.] *Soviet Econ. System: Struct. & Policy* 113:1-26. Jan.14,1964. 173 J663Sove  
Translation from *Vestnik Statistiki* 11:25-39. Nov.1963.
- TU, H., and LIU, C. P. Quality of medicinal herbs procured in Kweichow shows improvement. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 76: 88-91. Dec.12,1963. 173 J663Trc  
Translation from *Ta Kung Pao*, Oct.30,1963:2.
- \*TUMANOV, I. I., and KRASAVTSEV, O. A. Effect of thawing rate on the survival of vitrified cells and hardened plants. *Soviet Plant Physiol.* 9(5):474-482. Mar./Apr.1963. 450 F58Ae
- \*TUMANOV, I. I., and TRUNOVA, T. I. First phase of frost hardening of winter plants in the dark on sugar solutions. *Soviet Plant Physiol.* 10(2):140-149. Ref. Sept./Oct.1963. 450 F58Ae
- TUMANOV, I. I., and KRASAVTSEV, O. A. Frost resistance in tree species. 16 p. Ref. (OTS 63-11029) Transl. 13524  
Translation from *Fiziologiya Rastenii* 2(4): 320-333. 1955.
- \*TUMANOV, I. I., and KRASAVTSEV, O. A. A study of the mechanism of dying of rapidly thawing plants. *Soviet Plant Physiol.* 9(6):572-579. May/June 1963. 450 F58Ae
- TURBIN, L. M. Inactivation of self-detaining properties of foot-and-mouth disease antigens in the case of typification of virus. 3 p. Transl. 13341  
Translation from *Veterinariya* 11:76-77. Nov. 1961.
- TURBIN, L. M. Inactivation of self-detaining properties of hoof-and-mouth disease antigens in the case of typification of virus. 3 p. Transl. 13669  
Translation from *Veterinariya* 11:76-77. Nov.1961.
- \*TURCHIN, F. V., BERSENEVA, Z. N., and ZHIDKIKH, G. G. Fixation of atmospheric nitrogen in vitro by enzymes isolated from legume nodules and higher plants uninoculated with bacteria. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 149(1/6):522-525. Sept./Oct.1963. 511 P444Aeb
- \*TURETSKAYA, R. KH., and KEFELI, V. I. Certain properties of natural inhibitors of plant growth. *Soviet Plant Physiol.* 10(1):76-80. Ref. July/Aug.1963. 450 F58Ae
- \*TURETSKAYA, R. KH., KEFELI, V. I., and KOF, E. M. Interaction of heteroauxin and gibberellin in the formation of roots and shoots of willow cuttings. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 148(1/6):254-256. Ref. July/Aug. 1963. 511 P444Aeb
- \*TYRTIKOV, A. P. Effect of exposure and some elements of the soil and vegetation on the temperature regime of the soil at the northern boundary of the taiga. *Soviet Soil Sci.* 7:747-749. July 1962. 57.8 P34Ae
- \*TYSHCHENKO, V. P. Development of the giant nerve fiber system in Lepidoptera metamorphosis. *Ent. Rev.* 41(4):495-505. Ref. Oct./Dec.1962. 421 R322Ae
- \*TYURIN, I. V., and KONONOVA, M. M. Biology of humus and problems in soil fertility. *Soviet Soil Sci.* 3:205-213. Ref. Mar.1963. 57.8 P34Ae
- \*TYURIN, I. V., MIKHNOVSKIY, V. K., and YARTSEVA, A. K. Results of a study of the nitrogen balance in sod-podzolic soils used in agriculture. *Soviet Soil Sci.* 8:789-795. Aug. 1962. 57.8 P34Ae
- \*UFIMTSEVA, K. A. Mountain taiga soils of the Transbaikal Region. *Soviet Soil Sci.* 3: 241-248. Mar.1963. 57.8 P34Ae
- UGAROV, A., and PANITSKII, V. Effect of ammonia water on the yield and quality of various crops. 8 p. Transl. 13954  
Translation from *Sel'skoe Khozyaistvo Sibiri* 4:21-27. 1959.
- \*UGLOV, P. D. Effect of presowing hardening of summer wheat seeds on drought resistance under conditions of the Tselinny region. *Soviet Plant Physiol.* 10(4):399-401. Ref. Jan./Feb. 1964. 450 F58Ae
- UGOLEV, B. N., and MIKHAILENKO, A. L. The influence of the shearing force on the modulus of elasticity of wood in static bending tests. 6 p. Transl. 13590  
Translation from *Derevoobrabatvyvayushchaya Promyshlennost'* 10. Oct.1962.
- UNCHIEV, N. D. Dynamics of mass growth and changes in the chemical composition of the parts of walnut fruits during ontogenesis. 15 p. (OTS 63-11025) Transl. 13703  
Translation from *Akademiya Nauk SSSR. Institut Biokhimii im. A. N. Bakha. Sbornik* 5: 259-276. 1959.
- USMANOV, K. U., YULCHIBAEV, A. A., and NADZHIMUTDINOV, S. On the process of swelling and the packing density of crude cotton cellulose. 7 p. Transl. 13449  
Translation from *Vysokomolekulyarnye Soedineniya* 3(8):1217-1219. 1961.



- USMANOV, KH. U., and PILOSOV, M. Y. On the modification of cotton cellulose with organic diisocyanates. 28 p. Ref. Transl. 13445  
Translation from *Uzbekskii Khimicheskii Zhurnal* 1:26-38. 1963.
- \*USOVA, Z. V. Resting places of black flies (Diptera, Simuliidae) in Karelia. *Ent. Rev.* 42 (2):176-177. Apr./June 1963. 421 R322Ae
- \*UTENKOVA, A. P. Silvicultural properties of soil under oak and spruce in the Belovezh virgin forest. *Soviet Soil Sci.* 6:628-634. June 1962. 57.8 P34Ae
- UTRATA, A. The effects of the 1963 drought on plant vegetation. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 210:41-52, map. Nov. 15, 1963. 173 J663Ste  
Translation from *Nowe Rolnictwo* 18:38-40. Sept. 16/30, 1963.
- VACHKOV, M. Tobacco production in 1963. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 188:1-23. Aug. 12, 1963. 173 J663Ste  
Translation from *Bulgarski Tyutyun* 6:3-11. June 1963.
- VAGI, F. The effect of income on crop production in Hungarian TSZ'S. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 211:1-16. Nov. 20, 1963. 173 J663Ste  
Translation from *Kozgazdasagi Szemle* 10(9): 1044-1057. Sept. 1963.
- VAGI, F. Production, joint and personal income in the cooperative sector. U. S. Joint P. Res. Serv. [Transl.] Agr. Forestry & Fishing Hungary 60:1-15. Oct. 7, 1963. 173 J663Agi  
Translation from *Statistikai Szemle* 41(6): 579-593. June 1963.
- \*VAKHMISTROV, D. B., and ZHURBITSKII, Z. I. The range of selectivity of plants for the uptake of mineral elements. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 151(1/6):1081-1084. Jan./Feb. 1964. 511 P444Aeb
- VAKHRUSHIN, G. S. Snow-protective strips, with participation of spruce, in the forest-steppe districts of the Omsk Region. p. 29-30. (OTS 63-11005) 340 Is7  
Translation from *Lesnoe Khozyaistvo* 5(6): 51-52. 1955.
- \*VAL'KOV, V. F. Agricultural grouping of soils in Krasnodar kray. *Soviet Soil Sci.* 3: 256-260. Mar. 1963. 57.8 P34Ae
- \*VALOV, V. S. Changes in the geography of rural settlement in the old settled areas of the virgin lands (as illustrated by Fedorovks Rayon of Kustanay Oblast). *Soviet Geog. Rev. & Transl.* 4(9):16-26, map. Nov. 1963. 331.8 So8
- VAN LOON, J. Interaction between paint and wood. 8 p. Transl. 13462  
Translation from *Deutsche Farben-Zeitschrift* 17:61-66. Feb. 1963.
- VANA, J. Soil improvement machinery in Czechoslovakia. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 199:10-16. Sept. 23, 1963. 173 J663Ste  
Translation from *Mezinarodni Zemedelsky Casopis* 7(3):78-81. 1963.
- \*VANYUSHIN, B. F., MASHARINA, L. V., and BELOZERSKII, A. N. The distribution of pyrimidines in desoxyribonucleic acids. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 147(1/6):1211-1214. Ref. May/June 1963. 511 P444Aeb
- \*VARDANIYA, K. K. The influence of photoperiodism in association with gibberellic acid on the growth and development of *Orthosiphon stamineus* Benth. *Soviet Plant Physiol.* 10(2):126-131. Sept./Oct. 1963. 450 F58Ae
- \*VARSHAVSKII, V. L. Interuniversity scientific conference on the development of new methods for production of mineral fertilizers. *J. Appl. Chem. USSR* 35(12):2692-2693. Dec. 1962. 385 Z64Ae
- VARTANOV, A. A. Eradication of foot-and-mouth disease in its primary focus. 1 p. Transl. 13394  
Translation from *Veterinariya* 7:12. July 1963.
- \*VARTAPETYAN, B. B. The mobility of hydrated membranes of starch. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 147(1/6):1191-1193. May/June 1963. 511 P444Aeb
- \*VARTAPETYAN, V. V., and BADANOVA, K. A. Rate of water exchange in dormant plant organs. *Soviet Plant Physiol.* 10(1):82-83. July/Aug. 1963. 450 F58Ae
- \*VASIL'CHENKO, G. V. On the frost resistance of the roots of fruit and berry crops in Siberia. *Soviet Plant Physiol.* 10(4):336-339. Ref. Jan./Feb. 1964. 450 F58Ae
- \*VASILENKO, YE. S. Urease activity in the soil. *Soviet Soil Sci.* 11:1267-1272. Ref. Nov. 1962. 57.8 P34Ae
- \*VASIL'EV, R. A. The biology of *Gastrolina thoracica* Baly (Coleoptera, Chrysomelidae). *Ent. Rev.* 42(2):146-150. Apr./June 1963. 421 R322Ae
- \*VASIL'EVA, N. G., and BURKINA, Z. S. Determination of the water content in vacuole and protoplasmic saps and in chloroplasts. *Soviet Plant Physiol.* 10(3):323-324. Nov./Dec. 1963. 450 F58Ae
- \*VASILEVICH, V. I. Application of partial associations for analysis of the structure of plant communities. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 148(1/6):232-234. July/Aug. 1963. 511 P444Aeb
- VASILJEVIC, L. The appearance of polyhedry in the gypsy moth during the first year after the end of massive population. p. 11-19. (OTS 60-21663) Transl. 13255  
Translation from *Zastita Bilja* 52/53:79-87. 1959.
- VASIL'YEV, N. The level of development and specialization of agricultural production. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 14:1-20. June 28, 1963. 173 J663Tso  
Translation from *Voprosy Ekonomiki* 4:72-87. Apr. 1963.
- VASIN, S. I., and KOZLOV, A. G. Experimental chemical control of field mice. 2 p. (OTS 63-11030) Transl. 13702  
Translation from *Lesnoe Khozyaistvo* 7(9): 72-73. 1954.
- \*VAZHENIN, I. G. Use of variation statistics in agricultural-chemical soil investigations. *Soviet Soil Sci.* 2:135-144. Ref. Feb. 1963. 57.8 P34Ae
- VELCHEVSKI, G. Results of complex mechanization in vegetable production. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 164:8-20. May 24, 1963. 173 J663Ste  
Translation from *Mekhanizatsiya i Elektrifikatsiya na Selskoto Stopanstvo* 3:3-6. Mar. 1963.
- \*VELIK, V. F. Effect of hardening seed with alternating temperatures on the physiological characteristics and cold resistance of cucumbers. *Soviet Plant Physiol.* 10(3):288-293. Ref. Nov./Dec. 1963. 450 F58Ae
- \*VENDROV, S. L. Water-management problems of western Siberia. *Soviet Geog. Rev. & Transl.* 5(5):13-24. Ref. May 1964. 331.8 So8
- VENTURI, F. *Lema melanopa* L. Coleoptera, Chrysomelidae. 81 p. Ref. Transl. 13388  
Translation from *Redia; Giornale di Entomologia* vol. 28, 1942.
- \*VEREDCHENKO, YU. P. Some zonal and provincial characteristics of the thermal regime of the soil-air system. *Soviet Soil Sci.* 8:824-830. Aug. 1963. 57.8 P34Ae
- VERES, J. 1964-1965 admissions of skilled worker apprentices and students in secondary schools organized in apprentice institutes: Hungary. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 231:8-16. Mar. 4, 1964. 173 J663Ste  
Translation from *Mezgazdasagi Ertesito* 15(4):56-59. Jan. 22, 1964.
- \*VERETENNIKOV, A. V., and BURMINA, L. N. Effect of time duration since felling on physiological processes in young spruce grown on massive clearings. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 148(1/6):240-243. Ref. July/Aug. 1963. 511 P444Aeb



- \*VERIGINA, K. V. Trace elements in soils of the Klin-Dmitrov ridge. *Soviet Soil Sci.* 9:902-910. Ref. Sept.1962. 57.8 P34Ae
- VERKHOVSKII, V. M. Machines and devices for the application of liquid fertilizers. 7 p. Ref. Transl. 14007  
Translation from *Vestnik Sel'skokhozyaistvennoi Nauki* 3:110-114. Mar.1964.
- VESELINOVIC, C. Average operating conditions not yet provided for agriculture as a whole. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 225:13-30. Feb.19,1964. 173 J663Ste  
Translation from *Poljoprivreda i Zadrugarstvo* 10(12):3-17. Dec.1963.
- VESELOV, S. All reserves in cotton growing into action! U. S. Joint P. Res. Serv. Transl. *Soviet Agr.* 15:44-54. Aug.21,1963. 173 J663Tso  
Translation from *Pravda Vostoka*. July 5, 1963.
- VIKHLYAYEV, A., and EYZRIKER, M. The distribution of specialized sovkhoses and their efficiency. U. S. Joint P. Res. Serv. Transl. *Soviet Agr.* 15:7-19, map. Aug.21,1963. 173 J663Tso  
Translation from *Ekonomika Sel'skogo Khozyaistva* 6:51-59. June 1963.
- \*VIKTOROV, G. A. The composition of the tribe Acoenitini (Hymenoptera, Ichneumonidae) and its new representatives from Armenia. *Ent. Rev.* 41(2):254-259. Ref. Apr./June 1962. 421 R322Ae
- \*VIL'K, K. K. Nature of the humus of mountain-taiga ferruginous soils of the western Transbaikali. *Soviet Soil Sci.* 12:1345-1350. Ref. Dec.1962. 57.8 P34Ae
- VILLEMOT, J. M., PROVOST, A., and GORET, P. Further studies on cross-immunity between distemper and rinderpest. 25 p. Transl. 13448  
Translation from *Revue d'Elevage et de Médecine Veterinaire des Pays Tropicaux* 14(3):233-244. 1961.
- VILLEMOT, J. M., PROVOST, A., and GORET, P. Further studies on cross-immunity between distemper and rinderpest. 25 p. 41 V713  
Translation from *Revue d'Elevage et de Médecine Veterinaire des Pays Tropicaux* 14(3):233-244. 1961.
- VINCENT, G. Analyses of spruce cones and seeds originating at different altitudes. 8 p. Transl. 13671  
Translation from *Ceskoslovenska Akademie Zemedelska. Vestnik* 6(9):923-925, 928-931. 1930.
- \*VINOGRADOV, A. P., and others. Photosynthetic and phosphate oxygen. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 150(1/6):572-574. Ref. Nov./Dec.1963. 511 P444Aeb  
V. M. Kutyurin, M. V. Ulubekova, N. I. Zakharova, and I. K. Zadorozhnyi, joint authors.
- \*VINOGRADOVA, E. B. The ecological regulation of the seasonal cycle in the malarial mosquito *Anopheles bifurcatus* L. (Diptera, Culicidae). *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 151(1/6):967-969. Jan./Feb.1964. 511 P444Aeb
- \*VINOKUR, R. L. Nitrogen metabolism of squash plants in relation to root temperature. *Soviet Plant Physiol.* 10(3):275-278. Ref. Nov./Dec.1963. 450 F58Ae
- VINSKI, I. National product and fixed assets in the territory of Yugoslavia 1909-1958. 27 p. Transl. 13672  
Translation from *Income and Wealth Series* 9:206-233. 1961.
- VINSKI, I. National wealth of Yugoslavia at the end of 1953. 31 p. Transl. 13673  
Translation from *Income and Wealth Series* 8:160-192. 1959.
- VINSKI, I. Regional distribution of national wealth in Yugoslavia. 59 p., map. Transl. 13674  
No source of translation given.
- \*VITGEFT, A. E. Use of variance analysis in the investigation of errors in quantitative studies of soil microflora. *Microbiology* 32(2):278-284. Sept./Oct.1963. 448.3 M582Ae
- \*VITKOVSKII, V. L. Stage development of buds of woody plants. *Soviet Plant Physiol.* 10(2):118-125. Ref. Sept./Oct.1963. 450 F58Ae
- VLADIMIROV, O., and VIKTOROV, L. Discussion of scientific recommendations on cost accounting and wages in agriculture. U. S. Joint P. Res. Serv. Transl. *Soviet Agr.* 14:33-44. June 28, 1963. 173 J663Tso  
Translation from *Voprosy Ekonomiki*. 4:146-152. Apr.1963.
- \*VLADYCHENSKIY, S. A. Capillary rise of water in sands of different moisture contents. *Soviet Soil Sci.* 10:1162-1165. Oct.1962. 57.8 P34Ae
- \*VLAZENOK, L. I., and SHLYK, A. A. Chlorophyllide as an intermediate product of the process of conversion of protochlorophyllide into chlorophyll. *Biochemistry (Biokhimiya)* 28(1):44-53. Ref. Jan./Feb.1963. 385 B523Ae
- \*VOBLIKOVA, T. V. Frost resistance of winter wheat relative to duration of growth at low positive temperatures. *Soviet Plant Physiol.* 10(3):307-309. Nov./Dec.1963. 450 F58Ae
- VOINOV, S. I., and others. Summary of results of two-year work of producing and inspecting lapinized FMD [foot-and-mouth disease] antigens of types O, A and S. 3 p. Transl. 13559  
M. B. Karpovich, N. S. Shevyrev, A. S. Belyaev, V. B. Elagina, and G. Ya Kremen', joint authors.  
Translation from *Veterinariya* 11:69-70. Nov.1963.
- \*VOLAROVICH, M. P., and TROPIN, V. P. An electron-microscopic investigation of peat microflora. *Microbiology* 32(2):241-247. Ref. Sept./Oct.1963. 448.3 M582Ae
- VOLFSON, L. G. Manufacture and uses of the most important chlorine-containing modern insecticides. 14 p. Ref. Transl. 13978  
Translation from *Vsesoyuznoe Khimicheskoe Obshchestvo im. D. I. Mendeleeva. Zhurnal* 5(3):260-267. 1960.
- \*VOLGIN, V. I. On the taxonomy of predatory mites of the family Cheyletidae. IV. The genus *Neocaropsis* Volgin, gen. nov. *Ent. Rev.* 41(3):425-428. July/Sept.1962. 421 R322Ae
- \*VOLKOVA, M. G., and ZHURAVLEV, E. M. The effect of gibberellic acid on various agricultural plants. *Soviet Plant Physiol.* 10(2):185-188. Sept./Oct.1963. 450 F58Ae
- \*VOLKOVA, N. A. Precambrian spores from the Dniester Region. *Acad. Sci. USSR. Dok. Earth Sci. Sect.* 142(1/6):56-59. Feb.1964. 511 P444Aee
- \*VOLOBUYEV, V. R. Change in the content of silica, alumina, and iron in soils in relation to hydrothermal conditions. *Soviet Soil Sci.* 5:509-515. May 1962. 57.8 P34Ae
- \*VOLOBUYEV, V. R., and BUYANOVSKIY, G. A. Salt differentiation in alluvial fans. *Soviet Soil Sci.* 1:38-42. Jan.1963. 57.8 P34Ae
- \*VOLOBUYEV, V. R. Use of a graphical method for studying the humus composition of the major soil groups of the USSR. *Soviet Soil Sci.* 1:1-3. Ref. Jan.1962. 57.8 P34Ae
- VOLOVCHENKO, I. Chemistry as an ally to farming. U. S. Joint P. Res. Serv. Transl. *Soviet Agr.* 16:34-37. Aug.27,1963. 173 J663Tso  
Translation from *Izvestiya*, June 26, 1963.
- VOLOVCHENKO, I. Science serves agricultural production. U. S. Joint P. Res. Serv. Transl. *Soviet Agr.* 16:41-44. Aug.27,1963. 173 J663Tso  
Translation from *Sovetskaya Kirgiziya*, May 31, 1963.
- \*VOROB'YEV, P. I. Composition of eolian deposits from Chernozems in the Stavropol' highland. *Soviet Soil Sci.* 3:286-289. Ref. Mar. 1963. 57.8 P34Ae
- \*VOSANCHUK, S. S., and PARTYKA, I. I. The Devonian stratigraphy of the southern marginal zone of the Dnieper-Donets Basin. *Acad. Sci. USSR. Dok. Earth Sci. Sect.* 144(1/6):79-80. May 1964. 511 P444Aee

- \*VOZNYAKOVSKAYA, YU. M. Choice of micro-organisms for use in the composition of bacterial fertilizers. *Microbiology* 32(1):140-144. Ref. July/Aug.1963. 448.3 M582Ae
- VREJBA, S. Contributions of the credit system to the development and consolidation of collective farms. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 123:83-121. Feb.21,1963. 173 J663Ste  
Translation from *Probleme Agricole* 14(12):16-31. Dec.1962.
- VU, Q. T. The collective economy and the State plan. U. S. Joint P. Res. Serv. Trans. No. Vietnam's Econ. 83:38-52. Feb.3,1964. 173 J663Trn  
Translation from *Nghien Cuu Kinh Te*, 17:37-44. Oct.1963.
- VYATKIN, S. K. Foot-and-mouth disease control measures. 3 p. Transl. 13395  
Translation from *Veterinariya* 7:10-12. July 1963.
- \*VYSKREBENTSEVA, E. I. The effect of potassium on use of phosphate in root metabolism. *Soviet Plant Physiol.* 10(1):31-36. Ref. July/Aug.1963. 450 F58Ae
- \*VYSKREBENTSEVA, E. I. Oxygen and nitrogen metabolism of pumpkin roots suffering potassium deficiency. *Soviet Plant Physiol.* 10(3):253-257. Ref. Nov./Dec.1963. 450 F58Ae
- \*VYSOTSKAYA, P. N., and MIKHNOVSKIY, V. K. Influence of green manure and peat on the content and group composition of humus in sod medium-podzolic clay loam soil. *Soviet Soil Sci.* 2:154-157. Feb.1962. 57.8 P34Ae
- \*VYVAL'KO, I. G. The influence of gibberellin on the transformation of substances in maize seeds during germination. *Acad. Sci. USSR. Dok. Biol. Sci. Sect.* 149(1/6):526-528. Ref. Sept./Oct.1963. 511 P444Aeb
- \*WAINSTEIN, B. A. Some new predatory mites of the family Phytoseiidae (Parasitiformes) of the USSR fauna. *Ent. Rev.* 41(1):139-146. Jan./Mar.1962. 421 R322Ae
- WALDMANN, O., NAGEL, H. C., and ZIMMERMANN, T. The artificial infection with foot-and-mouth disease in the new-born jejune calf. 17 p. Transl. 13389  
Translation from *Zentralblatt für Bakteriologie, Parasitenkunde, Infektionskrankheiten und Hygiene* 163:230-238. July 1955.
- WALDMANN, O., and ZIMMERMANN, T. Production of FMD (foot and mouth disease) vaccine according to Waldmann and Kobe, using the calf as a source of antigen. 10 p. Transl. 13390  
Translation from *Zentralblatt für Bakteriologie, Parasitenkunde, Infektionskrankheiten und Hygiene* 163:239-244. July 1955.
- WALLENSTEIN, H. D., and BOHN, K. Acids in beets and juices. 4. The change of anionic content during manufacture. 15 p. Transl. 13447  
Translation from *Zeitschrift für die Zuckerindustrie* 13(3):125-131. Mar.20,1963.
- WAN, H. C. Purchase of castor beans by the grain departments of Shantung. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 76:59. Dec.12,1963. 173 J663Trc  
Translation from *Ta Kung Pao*, Oct.21,1963:2.
- WANG, C. Occurrence and prevention of rice-crop epidemics. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 56:11-18. Aug.7,1963. 173 J663Trc  
Translation from *Jen-min Jih-pao*, June 25, 1963:5.
- WANG, C. T. Varieties of nitrogenous fertilizer for paddy field in saline-alkaline region. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 73:101-115. Nov.29,1963. 173 J663Trc  
Translation from *Chung-kuo Nung-yeh K'o-hsueh* 4:18-21. 1963.
- WANG, C. Y., and TSENG, C. C. Allocation of major and lesser spring crops on the Chengtu Plain. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 77:24-35. Dec.17,1963. 173 J663Trc  
Translation from *Chung-kuo Nung-pao* 3:8-11. Mar.10,1963.
- WANG, F. M. Commercial departments in Honan Province organize the flow of industrial products to the countryside. U. S. Joint P. Res. Serv. Transl. Communist China's Trade, Finance, Transportation & Commun. 68:16-17. Oct.13,1963. 173 J663Tcc  
Translation from *Ta Kung Pao*, Sept.30,1963:2.
- WANG, P. C. State farms enthusiastically launch a Five-Good production team movement. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 82:63-65. Jan.15,1964. 173 J663Trc  
Translation from *Kung-jen Jih-pao*, Dec.5, 1963:2.
- WANG, W. Electricity for rural use. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 70:1-2. Nov.13, 1963. 173 J663Trc  
Translation from *Kung-jen Jih-pao*, Sept.24, 1963:2.
- WASOWICZ, S. The agricultural services industry. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 139:89-102. Apr.1,1963. 173 J663Ste  
Translation from *Nowe Rolnictwo* 23:54-56. Dec.1962.
- WEGOREK, W., and WILUSZ, Z. The influence of mass application of insecticides on the zoocenosis of potato fields. p.1-26. Ref. (OTS 60-21574) 464 P87  
Translation from *Poznan. Instytut Ochrony Roslin. Prace Naukowe* 1(1):7-44. 1959.
- WEGOREK, W. Studies on the direct and indirect influence of the photoperiod on the development and physiology of the Colorado potato beetle (*Leptinotarsa decemlineata* Say) p.158-176. Ref. (OTS 60-21574) 464 P87  
Translation from *Poznan. Instytut Ochrony Roslin. Prace Naukowe* 1(2):5-27. 1959.
- WEI, W. P. Enhance the combat strength of the rural basic level party organization. U. S. Joint P. Res. Serv. Transl. Hung-ch'i (Red Flag) 18:50-66. Oct.8,1963. 173 J663Trh  
Translation from *Hung-Ch'i* 18:30-41. 1963.
- WEINKAUFF, The original production of the forest in its relation to litter decomposition and swamp formation. 16 p. Transl. 13771  
Translation from *Forstwissenschaftliches Centralblatt* 71(1):1-15. 1927.
- WEINTRAUB, I. A. N-terminal amino acids of soybean seed globulins. 8 p. Ref. Transl. 13675  
Translation from *Kishinev. State University. Transactions on Chemistry of Natural Compounds*. 4. 1961.
- WEINTRAUB, I. A. A study of the globulins of soybean seeds through paper electrophoresis. 11 p. Ref. Transl. 13676  
Translation from *Kishinev. State University. Transactions on Chemistry of Natural Compounds*. 3. 1960.
- WEITZ, R. Water as a factor in agricultural development in Israel. 42 p. 292 W43Ae  
Translated from Hebrew.
- WESTPFAHL, U. The artery system of the domestic fowl [*Gallus domesticus*]. 75 p. Transl. 14051  
Translation from *Berlin. Humboldt-Universität. Wissenschaftliche Zeitschrift. Mathematisch-Naturwissenschaftliche Reihe* 10(1):93-124. 1961.
- WICHT, C. L. Thinning research technic. 61 p. Transl. 13705  
Translation from *Zeitschrift für Weltforstwirtschaft* 1(8/9):476-516. May/June 1934.



- WIEDEMANN, E. The practical results of the "permanent" pine forest. 83 p. Transl. 13711  
Translation of Die praktischen Erfolge des Kiefern Dauerwaldes, Ch. 2:16-96. 1925.
- WIELBURSKI, R. Observations concerning structural changes in agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 227:1-20. Feb. 24, 1964. 173 J663Ste  
Translation from Postepy Nauk Rolniczych 10(4):3-20. July/Aug. 1963.
- WILHELM, D. W. Reduction of hand work in sugar beet cultivation, based on the most recent experiences. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 175:33-44. June 20, 1963. 173 J663Ste  
Translation from Die Deutsche Landwirtschaft 14(5):221-224. May 1963.
- WITEBSKI, Z. Green light for building investments in agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 161:1-18. May 21, 1963. 173 J663Ste  
Translation from Wies Wspolczesna 3:41-47. Mar. 1963.
- WOJCIECHOWSKI, F. Need for coordination and a plan of development in the mechanization of agriculture. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 189:10-22. Aug. 19, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 12:9-11. June 16/30, 1963.
- WOJDAN, C. Credit assistance for neglected farms; (Poland). U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 213:1-9. Dec. 9, 1963. 173 J663Ste  
Translation from Wiadomosci Narodowego Banku Polskiego 9:352-355. Sept. 1963.
- WOJDAN, C. Utilization of the agricultural development fund. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 229:36-58. Feb. 28, 1964. 173 J663Ste  
Translation from Wies Wspolczesna 11:33-48. Nov. 1963.
- WORONICHIN, Phaeostagonosporopsis zeae (Schw.) Woronich., a new parasite of maize in Transcaucasia. 6 p. Transl. 13182  
Translation from La Defense des Plantes 2 (6):331-334. 1925.
- WU, C. L. Discussions on management and control of presently available forests. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 38:36-43. Apr. 9, 1963. 173 J663Trc  
Translation from Kuang-ming Jih-pao, Feb. 5, 1963:2.
- WU, C. S. The ecological classifications and demarcations of wheat in China. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 49:1-27. June 25, 1963. 173 J663Trc  
Translation from Chung-kuo Nung-yeh K'o-hsueh 11:12-20. 1962.
- WU, W. Coordination between agriculture, forestry and animal husbandry. U. S. Joint P. Res. Serv. Transl. Communist China's Trade, Finance, Transportation & Commun. 80:9-18. Jan. 8, 1964. 173 J663Tcc  
Translation from Kuang-ming Jih-pao, Nov. 25, 1963:4.
- WYSZOMIRSKI, T. Certain financial and organizational problems of agricultural circles (Poland). U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 220:21-30. Jan. 24, 1964. 173 J663Ste  
Translation from Finansy 11:34-41. Nov. 1963.
- WYSZOMIRSKI, T. Credits for individual farmers in 1963. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 155:80-92. May 6, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 4:34-36. Feb. 15/28, 1963.
- WYSZOMIRSKI, T. New proposals for credit extension to rural areas in 1963. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 175:102-111. June 20, 1963. 173 J663Ste  
Translation from Wiadomosci Narodowego Banku Polskiego 19(4):157-160. Apr. 1963.
- \*YAKHONTOVA, L. D., and KUZOVKOV, A. D. Alkoids of the family of Labiatae. II. Partial structural formula of rosmaritsin. J. Gen. Chem. USSR 33(1):300-301. Jan. 1963. 385 Z6Ae
- \*YAKOVLEVA, A. P. The alkaloids of Galanthus woronowii. VII. J. Gen. Chem. USSR 33 (5):1647-1648. May 1963. 385 Z6Ae
- \*YAKOVLEVA, A. P., and PROSKURNINA, N. F. Alkaloids of Piptanthus namsu; investigation of the methylation products of piptanthine. J. Gen. Chem. USSR 33(1):117-118. Jan. 1963. 385 Z6Ae
- YANEV, D. Animal husbandry on private plots of members of cooperatives. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 187:52-65. July 30, 1963. 173 J663Ste  
Translation from Zhivotnovudstvo 17(5):26-32. May 1963.
- YANG, C. F. Issues involving crop rotation in the Kuan-chung area. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 71:8-25. Nov. 20, 1963. 173 J663Trc  
Translation from Chung-kuo Nung-yeh 4:9-14. 1963.
- YANG, C. T. Generating a great reform in livestock production. U. S. Joint Publications Res. Serv. Econ. Rep. N. Korea 108:1-4. Jan. 16, 1964. 173 J663Er  
Translation from Kulloja 18:35-40. Sept. 20, 1963.
- YANG, L. S. How we have overcome drought and developed livestock production. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 68:63-72. Oct. 30, 1963. 173 J663Trc  
Translation from Min-tsu T'uan-chieh 61:33-34. June 1963.
- YANG, P. H. Relationships among accumulation, distribution, and production expenses in agricultural production. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 53:1-11. July 29, 1963. 173 J663Trc  
Translation from Jen-min Jih-pao, June 12, 1963:5.
- YANG, P. H. The relationships between accumulation, distribution and production expenses in agricultural production. Communist China Digest 99:24-30. Aug. 9, 1963. 280.8 C735  
Translation from Jen-min Jih-pao, June 12, 1963.
- YANG, T. H. Comprehensive and combined development of agriculture. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 63:4-12. Oct. 8, 1963. 173 J663Trc  
Translation from Jih-pao, Aug. 29, 1963:2.
- YAO, C. H. The correct way to raise capital funds for agricultural production. Communist China Digest 99:30-37. Aug. 9, 1963. 280.8 C735  
Translation from Ta Kung Pao, June 11, 1963.
- \*YARILOVA, YE. A. Micromorphology of soils in the Ergeni highland. Soviet Soil Sci. 2:125-131. Feb. 1963. 57.8 P34Ae
- YARNYKH, V. S. An apparatus for the formation of aerosols. 3 p. Transl. 13289  
Translation from Veterinariya 1:79-81. Jan. 1963.
- YAROSHENKO, M. F., and SPASSKII, A. A. Control of agricultural pests. 5 p. Transl. 13907  
Translation from Priroda [Moscow] 12:75-79. 1963.
- \*YARTSEVA, I. A. The role of red pigments in the life of marine algae. Soviet Plant Physiol. 10(3):237-241. Ref. Nov./Dec. 1963. 450 F58Ae
- \*YEGOROV, N. N. The biology of Pygaera anastomosis L. (Lepidoptera, Notodontidae). Ent. Rev. 41(2):181-184. Ref. Apr./June 1962. 421 R322Ae
- \*YEGOROV, V. V., POPOV, A. A., and KONOV, N. N. Extended soil-melioration regionalization of the Volga-Akhutba flood plain. Soviet Soil Sci. 3:250-258, map. Ref. Mar. 1962. 57.8 P34Ae



- \*YEGOROV, V. V., POPOV, A. A., and KONOVALOV, N. N. Schematic soil-meliorative regionalization of the Volga River Delta. Soviet Soil Sci. 9:895-901, map. Ref. Sept. 1962. 57.8 P34Ae
- \*YELSUROV, I. YE. Minimum permissible soil moisture in pre-irrigation of cotton (applicable thick soils of irrigated valleys). Soviet Soil Sci. 1:72-78. Ref. Jan. 1962. 57.8 P34Ae
- \*YEMEL'YANOV, A. F. New tribes of leafhoppers of the subfamily Euscelinae (Auchenorrhyncha, Cicadellidae). Ent. Rev. 41(2):236-240. Ref. Apr./June 1962. 421 R322Ae
- \*YEVDOKIMOVA, T. I. Toxicity of some mosses and lichens to Azotobacter in Karelian soils. Soviet Soil Sci. 8:852-855. Ref. Aug. 1962. 57.8 P34Ae
- \*YEZHOV, YU. I. Importance of reduction processes in rice paddy soils. Soviet Soil Sci. 2:165-170. Ref. Feb. 1962. 57.8 P34Ae
- YIN, H. C. Plant physiology and agricultural production. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 38:8-26. Apr. 9, 1963. 173 J663Trc  
Translation from Jen-min Jih pao, Feb. 2, 1963:5.
- YIN, S. L. Power cable tractor for boggy field. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 73:95-100. Nov. 29, 1963. 173 J663Trc  
Translation from Chung-kuo Nung-yeh K'o-hsueh 3:53-54. 1963.
- YIN, S. L., and TS'AI, C. Y. Power machines in paddy fields of south China. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 73:30-37. Nov. 29, 1963. 173 J663Trc  
Translation from Chung-kuo Nung-yeh K'o-hsueh 9:45-46. Sept. 15, 1963.
- YING, M. Discussion of problems of economic effects of agricultural techniques. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 53:23-28. July 29, 1963. 173 J663Trc  
Translation from Ta Kung Pao, June 10, 1963:3.
- \*YOFFE, A. F. What modern science and technology can give to the North. Prob. North 6:95-97. 1962. 475 P944Ae
- YU, C. The importance of planting castor bean seed. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 76:60-61. Dec. 12, 1963. 173 J663Trc  
Translation from Ta Kung Pao, Oct. 21, 1963:2.
- YU, H. C. Correct handling of proportional relationships among various branches of agriculture. Communist China Digest 113:74-83. Feb. 6, 1964. 280.8 C735  
Translation from Jen-min Jih-pao Oct. 17, 1963.
- YU, H. C. Handle correctly the proportional relationship among various segments of agriculture. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 73:11-29. Nov. 29, 1963. 173 J663Trc  
Translation from Jen-min Jih-pao, Oct. 17, 1963:5.
- YU, Y. C. Water storage and water conservation work proceeds well in Chan-Chiang area. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 91:43-44. Mar. 13, 1964. 173 J663Trc  
Translation from Nan-fang Jih-pao Jan. 3, 1964:2
- YUAN, S. C., and KU, P. C. Shansi Province makes maximum use of existing draining and irrigation equipment. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 38:63-65. Apr. 9, 1963. 173 J663Trc  
Translation from Kung-jen Jih-pao, Feb. 3, 1963:1.
- \*YULIUS, A. A., and BAZHINOV, A. G. The sterilization of solid nutritive media for growing molds with beta propriolactone. Microbiology 32(1):122-125. July/Aug. 1963. 448.3 M582Ae
- YUNG, H. Promote the general development of forestry. U. S. Joint P. Res. Serv. Transl. Communist China's Agr. Anim. Husb. & Mater. 56:20-27. Aug. 7, 1963. 173 J663Trc  
Translation from Jen-min Jih-pao, July 13, 1963:5.
- YUNG-AN, W. Forestry resources statistical work of Yunnan Province. p. 27-31. Transl. 12989  
Translation from Chung-kuo Lin-yeh 6:14. 1962.
- \*YURKEVICH, I. V. Effect of trace elements on the action of 2,4,5-trichlorophenoxyacetic acid. Soviet Plant Physiol. 10(1):70-75. Ref. July/Aug. 1963. 450 F58Ae
- YUSUPOV, I. Kazakhstan's second virgin land region (livestock raising). U. S. Joint P. Res. Serv. Transl. Soviet Agr. 16:9-12. Aug. 27, 1963. 173 J663Tso  
Translation from Pravda, June 4, 1963.
- ZACHARIAS, H. The unified accounting system in the socialist agriculture of the DDR. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 126:1-28. Mar. 1, 1963. 173 J663Ste  
Translation from Zeitschrift fuer Agrarökonomik 12:355-360. Dec. 1962.
- \*ZAGULYAEV, A. K. On the new genus Anemopogon Zagulajev, gen. n. and its new species (Lepidoptera, Tineidae, Nemapogoninae). Ent. Rev. 42(2):233-238. Ref. Apr./June 1963. 421 R322Ae
- \*ZAGULYAYEV, A. K. Revision of the Palearctic species of the genus Namepogon Schr. (Lepidoptera, Tineidae). Ent. Rev. 41(1):105-109. Ref. Jan./Mar. 1962. 421 R322Ae
- \*ZAIMOV, K. K., and FIL'KOV, V. A. Change in the direction of humus formation in the forest soils of Moldavia during plowing. Soviet Soil Sci. 4:372-375. Apr. 1963. 57.8 P34Ae
- \*ZAITSEVA, G. N. DNA-dependent enzymatic synthesis of RNA in synchronous cultures of Azotobacter vinelandii. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):559-562. Ref. Nov./Dec. 1963. 511 P444Aeb
- \*ZAITSEVA, G. N., SYONG, N. K., and BELOZERSKII, A. N. Metabolism of nucleic acids and mononucleotides during synchronous growth of Azotobacter vinelandii. Biochemistry (Biokhimiya) 28(1):134-144. Ref. Jan./Feb. 1963. 385 B523Ae
- \*ZAITSEVA, G. N., AGATOVA, A. I., and BELOZERSKII, A. N. On the interrelationship between nitrogen fixation, respiration and oxidative phosphorylation in Azotobacter vinelandii. Biochemistry (Biokhimiya) 26(2):302-311. Ref. Sept./Oct. 1961. 385 B523Ae
- \*ZAK, E. G. A method of degrading alanine, serine, and glycine. Soviet Plant Physiol. 10(2):193-197. Ref. Sept./Oct. 1963. 450 F58Ae
- \*ZAKHARCHENKO, I. G., PIROZHENKO, G. S., and SUKHOBURUS, S. V. Effect of continuous cropping on soil fertility. Soviet Soil Sci. 7:685-691. Ref. July 1962. 57.8 P34Ae
- \*ZAKHARCHUK, P. V., and MATKARIMOV, U. Amount, distribution, and availability of potassium in the Sierozems of the UZBEK SSR. Soviet Soil Sci. 4:373-380. Ref. Apr. 1962. 57.8 P34Ae
- \*ZAKHAR'INA, G. V. Problem concerning the classification of natural waters and solutions according to their chemical composition. Soviet Soil Sci. 4:351-362. Ref. Apr. 1963. 57.8 P34Ae
- \*ZAKHAROVA, N. I. Early incorporation of C14 into phosphatides during photosynthesis in *Prima obconica* leaves. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 149(1/6):281-282. Ref. Sept./Oct. 1963. 511 P444Aeb
- ZALA, F. Timely questions of the population's food supply. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 243:13-27. Apr. 20, 1964. 173 J663Ste  
Translation from Kozgazdasagi Szemle 11(3):318-330. Mar. 1964.



- ZALESKI, M. Vegetable seed situation. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 218:22-28. Jan. 7, 1964. 173 J663Ste  
Translation from Nowe Rolnictwo 19:38-40. Oct. 1/15, 1963.
- \*SALIT, N. I., and SADYKOV, A. S. Esters of citric and malic acids. J. Gen. Chem. USSR 33(8):2674-2676. Aug. 1963. 385 Z6Ae
- \*ZAPESOCHNAYA, G. G., and others. Investigations in the field of lipides. XIV-XVI. J. Gen. Chem. USSR 32(12):3826-3835. Ref. Dec. 1962. 385 Z6Ae  
N. A. Preobrazhenskii, A. S. Leshchiner, M. M. Shchedrina, I. A. Rubtsov, E. N. Zvonkova, T. K. Mitrofanova, G. A. Serebrennikova, and I. K. Sarycheva, joint authors.
- \*ZAPROMETOV, M. N. Catechin biosynthesis in tea shoots. Soviet Plant Physiol. 10(1):58-61. July/Aug. 1963. 450 F58Ae
- \*ZAPROMETOV, M. N., and BUKHLAEVA, V. YA. Free gallic acid in tea leaves. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 151(1/6):851-852. Jan./Feb. 1964. 511 P444Aeb
- \*ZAPROMETOV, M. N. Isolation of quinic and shikimic acids from the shoots of the tea plant. Biochemistry (Biokhimiya) 26(2):331-340. Ref. Sept./Oct. 1961. 385 B523Ae
- \*ZARUBIN, M. YA., and TISHCHENKO, D. V. Soda cooking of spruce wood with addition of phenols. J. Appl. Chem. USSR 35(12):2613-2617. Ref. Dec. 1962. 385 Z64Ae  
ZARZYCKI, J., and PERUN, D. Rural investments from 1961-1965. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 142:60-77. Apr. 8, 1963. 173 J663Ste  
Translation from Nowe Drogi 3:104-109. Mar. 1963.
- \*ZASLAVSKII, V. A. Hybrid sterility as a limiting factor in the distribution of allopatric species. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 149(1/6):546-547. Sept./Oct. 1963. 511 P444Aeb
- \*ZASLAVSKIY, V. A. A new Palearctic Chilocorus species (Coleoptera, Coccinellidae). Ent. Rev. 41(2):241-243. Apr./June 1962. 421 R322Ae  
ZASON, Z. System of awards on state farms. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 202:1-16. Oct. 3, 1963. 173 J663Ste  
Translation from Nowe Rolnictwo 13:2-4. July 1/15, 1963.
- \*ZAVALISHIN, A. A., and DOLOTOV, V. A. In memoriam of Konstantin Dmitriyevich Glinka. Soviet Soil Sci. 9:994-996. Sept. 1962. 57.8 P34Ae
- \*ZAVARZINA, N. B. The effect of antibiotics on lysis of cultures of *Chlorella pyrenoidosa* Pringh. Microbiology 31(6):810-812. May/June 1963. 448.3 M582Ae
- \*ZAYDEL'MAN, F. R., and OGLEZNEV, A. K. Gley formation in flood plain soils of the non-Chernozem zone. Soviet Soil Sci. 1:30-37. Jan. 1963. 57.8 P34Ae
- \*ZAYDEL'MAN, F. R. Water regime and physical characteristics of waterlogged flood plain soils in the southern taiga zone. Soviet Soil Sci. 4:313-322, map. Apr. 1963. 57.8 P34Ae  
ZAYKOV, A. A new type of Bulgarian transplanting machine. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 177:11-22. June 28, 1963. 173 J663Ste  
Translation from Kooperativno Zemedelie 5: 20-22. May 1963.
- \*ZAYTSEV, B. D. Number of replications in determining the amount and content of humus and exchangeable calcium in podzolic forest soils. Soviet Soil Sci. 4:419-423. Apr. 1962. 57.8 P34Ae
- \*ZAYTSEV, B. D. Role of humus, exchangeable calcium and clay in the formation of the structure of humus-eluvial horizons in forest soils. Soviet Soil Sci. 6:583-588. Ref. June 1963. 57.8 P34Ae
- \*ZAYTSEV, V. F., and KAUFMAN, Z. S. Morphology of the male Hypopygium in the Bombyliidae (Diptera). Ent. Rev. 41(3):355-357. July/Sept. 1962. 421 R322Ae
- ZDENEK, M. Present state of lumber protection against fire by impregnation in Czechoslovakia. 13 p. Transl. 13468  
Translation from Drevo 17:173-177. 1962.
- \*ZEMLYANITSKIY, L. T. Characteristics of the soils in the cities. Soviet Soil Sci. 5:468-475. May 1963. 57.8 P34Ae
- \*ZEMLYANITSKIY, L. T. In memory of Ivan Vladimirovich Tyurin. Soviet Soil Sci. 12:1401-1402. Dec. 1962. 57.8 P34Ae
- \*ZHANTIEV, R. D. Dermestid beetles of the genus *Attagenus* Latr. (Coleoptera, Dermestidae) from the USSR. Ent. Rev. 42(2):228-232. Apr./June 1963. 421 R322Ae  
ZHARSKIY, A. The chemical industry and food increase. U. S. Joint P. Res. Serv. [Transl.] Soviet Econ. System: Struct. & Policy 101:30-37. Oct. 30, 1963. 173 J663Sove  
Translation from Kommunist 11:94-99. July 1963.
- \*ZHEBRACK, E. A. An embryological study of cross pollination of diploid and tetraploid buckwheat. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 150(1/6):714-717. Nov./Dec. 1963. 511 P444Aeb
- ZHELUDKOV, A. USSR lumber industry reserves. U. S. Joint P. Res. Serv. Transl. Soviet Agr. 15:20-31. Aug. 21, 1963. 173 J663Tso  
Translation from Planovoe Khozyaistvo 7: 29-36. 1963.
- ZHELYAZKOV, L. Wage and bonus system for personnel of kolkhoz-sovkhoz administrations. U. S. Joint P. Res. Serv. Transl. USSR Labor 66:113-118. May 11, 1964. 173 J663Tow  
Translation from Ekonomicheskaya Gazeta 14:14. Apr. 4, 1964.
- \*ZHEMKOVA, Z. P. The hemochorial placenta of the mink (*Mustela vison*). Acad. Sci. USSR. Dok. Biol. Sci. Sect. 149(1/6):377-380. Ref. Sept./Oct. 1963. 511 P444Aeb
- \*ZHIGALTSEVA, M. I., and TERESHKO, L. I. Some data on injurious cicadas and related bugs (Homoptera, Auchenorrhyncha) in Moldavian forests and orchards. Ent. Rev. 41(4):464-466. Oct./Dec. 1962. 421 R322Ae
- ZHILINSKII, V. A. Processing of experimental data on observations of water absorption by soil. 12 p. (OTS 63-11016) Transl. 13523  
Translation from Moskov. Ordena Lenina Sel'skokhozyaistvennaya Akademiya Im. K. A. Timiryazeva. Izvestiya 2(12):131-140. 1956.
- \*ZHIVKOV, V. I. Free nucleotides of the breast and leg muscles of hens. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 149(1/6):294-295. Ref. Sept./Oct. 1963. 511 P444Aeb
- \*ZHMAKINA, N. I. A method of determining available phosphorus in calcareous light-Chestnut soils in Volgograd Oblast. Soviet Soil Sci. 7:767-769. July 1962. 57.8 P34Ae
- \*ZHOLKEVICH, V. N. The adsorbing capacity of protoplasmic structures under conditions of moderate dehydration of plant tissues. Soviet Plant Physiol. 10(2):155-161. Ref. Sept./Oct. 1963. 450 F58Ae
- \*ZHOLKEVICH, V. N., and ROGACHEVA, A. YA. Variations in the content of acid-soluble organic phosphorous compounds in plant tissue during water deficiency. Acad. Sci. USSR. Dok. Biol. Sci. Sect. 151(1/6):1073-1078. Ref. Jan./Feb. 1964. 511 P444Aeb
- \*ZHUKOVA, R. A. Aerobic cellulose bacteria of northern soils. Microbiology 31(6):855-860. Ref. May/June 1963. 448.3 M582Ae
- \*ZHURBITSKII, Z. I., and SOKOLOVA, L. A. Growing cucumbers by hydroponics. Soviet Plant Physiol. 9(5):510-516. Mar./Apr. 1963. 450 F58Ae  
ZHURBITSKII, Z. I., and PETERBURGSKII, A. V. The most urgent tasks of agricultural chemistry. 6 p. Transl. 14009  
Translation from Akademiya Nauk SSSR. Vestnik 11:76-79. Nov. 1962.

- \*ZHURBITSKII, Z. I. Scientific and practical recommendations for the cultivation of agricultural plants in the Far North. Prob. North 6: 179-185. 1962. 475 P944Ae
- \*ZHUREITSKII, Z. I., and SHTRAUSBERG, D. V. Foliar diagnosis of the nitrogen and potassium requirement of tea shrubs. Soviet Plant Physiol. 10(3):313-317. Ref. Nov./Dec.1963. 450 F58Ae
- \*ZIMOVETS, B. A. Orthoeluvial new formations of amorphous silica in the Brown Forest soils of the Amur Region. Soviet Soil Sci. 2:132-134. Ref. Feb.1963. 57.8 P34Ae
- \*ZIMOVETZ, B. A. Characteristics of the orthoeluvial accumulation and redistribution of iron during brown earth (Burozem) formation in the Amur Region. Soviet Soil Sci. 7:710-715. July 1962. 57.8 P34Ae
- \*ZINOV'YEV, G. A., and SAVCHENKO, YE. N. Crane fly fauna (Diptera, Tipulidae) of the area between the Amur and Zeya--distribution by types of landscape. Ent. Rev. 41(3):338-349. Ref. July/Sept.1962. 421 R322Ae
- \*ZINOV'YEV, G. A. The Siberian silkworm moth *Dendrolimus sibiricus* Tshtv. (Lepidoptera, Lasiocampidae) and its parasites in the Middle Urals. Ent. Rev. 41(1):28-29. Ref. Jan./Mar.1962. 421 R322Ae
- ZIVKOVIC, R. The action necessary to improve the production of animal husbandry. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 225:62-67. Feb.19,1964. 173 J663Ste
- Translation from Poljoprivreda 11(10):25-28. Oct.1963.
- ZIVKOVIC, R. The problem of meat production in more modern conditions. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 225:47-57. Feb.19,1964. 173 J663Ste
- Translation from Poljoprivreda i Zadrugarstvo 10(12):31-39. Dec.1963.
- ZLATARIC, B. The effect of varying the photoperiod with the white mulberry, [*Morus alba*] the black locust, [*Robinia pseudoacacia*] and two provenances of the Austrian pine [*Pinus nigra*]. 14 p. (OTS 60-21635) Transl. 13521
- Translation from Sumarski List 76:229-239. 1952.
- ZLOKOVIC, V. Agricultural electrification and labor productivity. U. S. Joint P. Res. Serv. Transl. East European Agr. Forestry & Food Indus. 131:60-82. Mar.19,1963. 173 J663Ste
- Translation from Produktivnost 4(11):679-684. Nov.1962.
- \*ZNAMENSKAYA, M. K. A review of the crop pests of the Murmansk region. Ent. Rev. 41(2): 190-194. Ref. Apr./June 1962. 421 R322Ae
- \*ZONN, S. V. Brief program of permanent soil and hydrological investigations in forest biogeocoenoses. Soviet Soil Sci. 6:527-533. June 1963. 57.8 P34Ae
- \*ZONN, S. V. Principles of the classification of forest soils and methods used in the USSR for their study. Soviet Soil Sci. 2:101-104. Feb.1963. 57.8 P34Ae
- \*ZONN, S. V. Some problems of the genesis of soils in the spruce forests of the Tien-Shan. Soviet Soil Sci. 5:469-481. Ref. May 1962. 57.8 P34Ae
- ZONOVA, E. V. The larch fly (*Chortophila laricicola* Karl) as a larch seed pest. 12 p. (OTS 63-11032) Transl. 13700
- Translation from Entomologicheskoe Obozrenie 25(3/4):206-220. 1935.
- ZOSIM, Z. L. The influence of thermal decomposition of cellulose pulp on the removal of its mineral constituents. 2 p. (OTS 63-11090) Transl. 13392
- Translation from Bumazhnaya Promyshlennost' 7:9. 1959.
- \*ZOTOV, A. A. Influence of various methods of tillage on the physical properties of soils in degenerated dry pastures. Soviet Soil Sci. 2: 171-174. Feb.1963. 57.8 P34Ae
- ZUFFA, A. Heat inactivation of swine poliomyelitis virus. 14 p. Transl. 13718
- Translation from Veterinarsky Casopis 11(2): 165-173. 1962.
- \*ZVORYKIN, K. V. Scientific principles for an agro-production classification of lands. Soviet Geog. Rev. & Transl. 4(9):3-10. Nov.1963. 331.8 So8
- \*ZVYAGINTSEV, D. G. Adsorption of microorganisms by soil particles. Soviet Soil Sci. 2: 140-144. Ref. Feb.1962. 57.8 P34Ae
- \*ZVYAGINTSEV, D. G. Use of quenchers in the investigation of soil microorganisms by fluorescence microscopy. Microbiology 32(4):622-625. Ref. Jan./Feb.1964. 448.3 M582Ae
- ZWOLSKI, W. Simuliidae of the Lublin district. 20 p., map. Ref. (OTS 61-11343) Transl. 13539
- Translation from Lublin. Uniwersytet Marii Curie-Sklodowskiej. Annales. Sectio C, 13(14): 231-259. 1956.
- \*ZYRIN, N. G., and KORN'BYUM, YE. A. Characteristics of the behavior of iron in the soils of the flood plain of the upper Amur River. Soviet Soil Sci. 12:1423-1425. Dec.1962. 57.8 P34Ae
- \*ZYRIN, N. G., BELITSYNA, G. D., and OBU-KHOV, A. I. Influence of the current of a carbon arc on the evaporation and radiation intensity of microelements during spectral soil analysis. Soviet Soil Sci. 5:550-554. May 1962. 57.8 P34Ae



## CHECKLISTS

Checklists of publications of the U. S. D. A., State Agricultural Experiment Stations, and State Agricultural Extension Services are prepared for the convenience of those who wish to follow the literature from these sources. All such publications are included also in the classified section and indexed in the author and subject indexes.

U. S. D. A. PUBLICATIONS

Periodicals issued by the Department are listed in the November issue only; articles in them are indexed currently.

Domestic requests for publications in the various Department series will be filled free to libraries upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the supply lasts. They may also be purchased from the Superintendent of Documents, Washington 25, D. C.

Bureau publications may ordinarily be obtained free of charge from the issuing bureau as long as the supply lasts.

Foreign institutions, organizations and agencies which issue publications may obtain United States Department of Agriculture publications in exchange by writing to the National Agricultural Library, United States Department of Agriculture, Washington 25, D. C.

Agricultural Economic Reports

MOORE, E. J. Rural recreation enterprises in New England: investments, returns, and problems. U. S. D. A. Agr. Econ. Rpt. 56,27 p. Ref. June 1964. A281.9 Ag8A

Agriculture Handbooks

HEBERT, L. P. Culture of sugarcane for sugar production in Louisiana. U. S. D. A. Agr. Handb. 262,40 p.,map. Ref. June 1964. 1 Ag84Ah

Agriculture Information Bulletins

BENNETT, O. L., DOSS, B. D., and ASHLEY, D. A. Cotton irrigation in southeastern United States. U. S. D. A. Agr. Inform. B. 282,16 p. Ref. June 1964. 1 Ag84Ab  
Alabama Agricultural Experiment Station, cooperating.

Farmers' Bulletins

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. Controlling tomato diseases. U. S. D. A. Farmers' B. 2200,12 p. June 1964. 1 Ag84F

Foreign Agricultural Economic Reports

SPURLOCK, H. H. Trends and developments in Japan's economy affecting the market for U.S. farm products, 1950-62. U. S. D. A. Foreign Agr. Econ. Rpt. 16,79 p. Ref. May 1964. A281.9 Ag8F

Home and Garden Bulletins

U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Peanut and peanut butter recipes. U. S. D. A. Home & Gard. B. 36,slightly rev.,20 p. June 1964. 1 Ag84Hg

Leaflets

U. S. AGRICULTURAL RESEARCH SERV. HUMAN NUTRITION RESEARCH DIV. Apples in appealing ways. U. S. D. A. L. 312,slightly rev.,20 p. May 1964. 1 Ag84Hg  
HILLS, O. A., and TAYLOR, E. A. Cantaloup insects in the Southwest; how to control them. U. S. D. A. L. 389,rev.8 p. June 1964. 1 Ag84L

Marketing Research Reports

SMITH, W. L., and others. Reduction of post-harvest decay of peaches and nectarines with heat treatments. I. Factors involved in effective heat treatment of peaches. II. Packaging tests. U. S. D. A. Mktg. Res. Rpt. 643,24 p. Ref. June 1964. 1 Ag84Mr

R. D. Bassett, C. S. Parsons, and R. E. Anderson, joint authors.

NEWTON, F. E., CALKINS, E. W. S., and GRIFFIN, A. C. Fiber and spinning properties of cotton as affected by certain harvesting and ginning practices, Yazoo-Mississippi Delta, 1959-60. U. S. D. A. Mktg. Res. Rpt. 656,27 p. June 1964. 1 Ag84Mr

HESTER, O. C., and BOGGS, R. L. Market potentials for modified edible fats and oils. U. S. D. A. Mktg. Res. Rpt. 659,30 p. Ref. May 1964. 1 Ag84Mr

STOKES, D. R., and others. Evaluation of specified shrink films for prepackaging frozen cut-up chickens at processing plant. U. S. D. A. Mktg. Res. Rpt. 662,15 p. July 1964. 1 Ag84Mr

A. W. Kotula, A. J. Mercuri and F. K. Buxton, joint authors.

HOLLON, D. S. Household consumers' acceptance of instant sweetpotato flakes. U. S. D. A. Mktg. Res. Rpt. 663,23 p. July 1964. 1 Ag84Mr

OVERHEIM, R. K., and SCHWIER, M. L. Milwaukee wholesale fresh fruit and vegetable market facilities. U. S. D. A. Mktg. Res. Rpt. 664,50 p.,map. June 1964. 1 Ag84Mr

LUNDQUIST, A. L., and BOUMA, J. C. Three methods for loading out produce in warehouses. U. S. D. A. Mktg. Res. Rpt. 665,44 p. June 1964. 1 Ag84Mr

ROSS, J. E., and SHANKLIN, E. H. Some effects of gin drying and cleaning of cotton on fiber length distribution and yarn quality. U. S. D. A. Mktg. Res. Rpt. 666,12 p. July 1964. 1 Ag84Mr

RAY, H. D., and others. Measuring wool by staple length recorder. U. S. D. A. Mktg. Res. Rpt. 668,11 p. July 1964. 1 Ag84Mr  
H. C. Reals, D. D. Johnston, and E. M. Pohle, joint authors.

CHAPOGAS, P. G., and STOKES, D. R. Pre-packaging lettuce at shipping point. U. S. D. A. Mktg. Res. Rpt. 670,48 p. Ref. July 1964. 1 Ag84Mr

BOULAND, H. D. Selecting the best capacity of truck receiving facilities for country grain elevators. U. S. D. A. Mktg. Res. Rpt. 671,57 p. Ref. July 1964. 1 Ag84Mr

Miscellaneous Publications

- U. S. FOREST SERV. Internationally dangerous forest tree diseases. U. S. D. A. Misc. P. 939, 122 p. Ref. Sept. 1963. 1 Ag84M  
 Supplement to Section 24-14, Proceedings of the 13th Congress, International Union of Forest Research Organizations, Vienna, 1961.
- TAYLOE, G. K., O'BRIEN, C. D., and PARKER, W. R. House planning aids; dining areas. U. S. D. A. Misc. P. 960, 4 p. July 1964. 1 Ag84M

Program Aid

- U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. The United States National Arboretum, Washington, D. C. U. S. D. A. PA-309, rev., 8 p. June 1964. 1 Ag84Pro
- U. S. SOIL CONSERVATION SERV. Water facts; sources, supply, needs, uses, losses, floods, conservation. U. S. D. A. PA-337, rev., 14 p. May 1964. 1 Ag84Pro
- U. S. DEPT. OF AGRICULTURE. The new program for upland cotton. U. S. D. A. PA-620, 4 p. Apr. 1964. 1 Ag84Pro
- U. S. FOREST SERV. Range allotment analysis and management planning; the story of range survey on the national forests and national grasslands and planning for management. U. S. D. A. PA-623, 27 p., map. July 1964. 1 Ag84Pro
- U. S. FARMERS HOME ADMIN. Loans for forestry purposes. U. S. D. A. PA-624, 6 p. - folder. July 1964. 1 Ag84Pro

Statistical Bulletins

- U. S. AGRICULTURAL MARKETING SERV. Supplement for 1963 to: Livestock and meat statistics, 1962. U. S. D. A. Statis. B. 333, 161 p. Aug. 1964. 1 Ag84St
- U. S. Department of Agriculture Statistical Reporting Serv. and Economic Research Serv., cooperating.
- DEWOLFE, M. R. Hay in the United States: quantities grown in a normal year, surplus and deficit areas. U. S. D. A. Statis. B. 349, 98 p., map. Aug. 1964. 1 Ag84St

Unnumbered Publications

- U. S. DEPT. OF AGRICULTURE. Farmer's world; the yearbook of agriculture, 1964. Washington, 1964. 592 p., map. 1 Ag84Y

Periodicals

- ADMINISTRATIVE regulations. Amendment. Title 1-Title 10. Irregular. 1 Ag819 1947
- DEFENSE activities of the USDA; quarterly report to the Joint Committee on Defense Production of the Congress. Quarterly. 1.90 A5R297
- USDA employee news bulletin. Semi-monthly. 1 Ag84U

AGRICULTURAL MARKETING SERVICE

- JOHNSON, H. B. Effect of hot water treatments and hydrocooling on postharvest bacterial soft rot [*Erwinia carotovora*] in Bell peppers. U. S. Agr. Mktg. Serv. AMS-517, 6 p. Apr. 1964. A280.39 M34Am
- U. S. AGRICULTURAL MARKETING SERV. 1965 acreage-marketing guides, winter vegetables and potatoes. U. S. Agr. Mktg. Serv. AMG 39, 43 p. Aug. 1964. A281.3919 M34

U. S. AGRICULTURAL MARKETING SERV. DAIRY DIV. Dairy plants surveyed and approved for USDA grading service. U. S. Agr. Mktg. Serv. AMS-539, 31 p. July 1964. A280.39 M34Am

U. S. AGRICULTURAL MARKETING SERV. FRUIT AND VEGETABLE DIV. Plants approved to pack processed fruits and vegetables under continuous inspection, as of July 1, 1964. U. S. Agr. Mktg. Serv. AMS-100, 38 p. July 1964. A280.39 M34Am

U. S. AGRICULTURAL MARKETING SERV. MARKETING INFORMATION DIV. Checklist of U. S. standards for farm products. U. S. Agr. Mktg. Serv. AMS-210, rev., 16 p. Ref. July 1964. A280.39 M34Am

U. S. AGRICULTURAL MARKETING SERV. MILK MARKETING ORDERS DIV. Bulk cooling tanks on farms supplying Federal milk order markets. U. S. Agr. Mktg. Serv. AMS-261, 16 p. June 1964. A280.39 M34Am

U. S. AGRICULTURAL MARKETING SERV. TOBACCO DIV. Light air-cured tobacco market review, 1963 crop (1963-64 season) part I—type 31-Burley. Washington, 1964. 38 p., map. 1.9 Ec714T

UOTA, M., and HARRIS, C. M. Quality and respiration rates in stock flowers [*Matthiola incana*] treated with N<sup>6</sup> benzylaminopurine. U. S. Agr. Mktg. Serv. AMS-537, 8 p. Ref. June 1964. A280.39 M34Am

Periodicals

- AGRICULTURAL marketing. Monthly. A280.38 Ag8
- CHECKLIST of reports issued by the Agricultural Marketing Service. Monthly. 1.941 E3C41
- FEDERAL milk order market statistics. Monthly. A281.3449 M343
- HONOLULU unloads of fruits, vegetables, and livestock products. Monthly. 275.29 H312S
- MILK prices paid at creameries and cheese plants, by States. Monthly. Chicago. 1.941 F8M59
- TOBACCO stocks report. Quarterly. 1.9 Ec714

AGRICULTURAL RESEARCH SERVICE

- ANDERSON, R. J. Pesticides and precautions—we need both; talk before Symposium on Pesticides, Food Additives, and Public Health, 91st annual meeting, American Public Health Association, Kansas City, Mo., Nov. 11, 1963. Washington, U. S. Agr. Res. Serv., 1963. 6 p. A31.3 An2
- CITRUS RESEARCH CONFERENCE, PASADENA, CALIF., 1963. Program and abstracts of papers. Albany, Calif., U. S. Agr. Res. Serv. West. Util. Res. & Devlpmt. Div., 1964? 18 p. A93.09 C74
- CONFERENCE ON COTTON INSECT RESEARCH AND CONTROL, DALLAS, TEXAS, 1963. Sixteenth annual report. Washington, U. S. Agricultural Research Serv. Entomology Research Div., 1963. 89 p., map. 1.967 A2C76
- CONFERENCE ON COTTON INSECT RESEARCH AND CONTROL, MEMPHIS, TENN., 1964. Seventeenth annual report. Washington, U. S. Agricultural Research Serv. Entomology Research Div., 1964. 86 p., map. 1.967 A2C76
- EARLE, F. R., CURTIS, J. J., and HUBBARD, J. E. Oil and protein content of corn inbred lines. U. S. Agr. Res. Serv. ARS-71-31, 15 p. Ref. Nov. 1963. A381 R31Ac
- FELDMESSER, J., and others. Chemicals evaluated for control of plant-parasitic nematodes. U. S. Agr. Res. Serv. ARS-34, 44 p. Ref. Apr. 1964. A64.9 R31A
- M. Beroza, R. V. Rebois, A. L. Taylor, E. M. Osborne, and T. S. Golden, joint authors.



GRIFFITH, E. Plant material introduced January 1 to December 31, 1955 (Nos. 222846 to 230876). U. S. Agr. Res. Serv. New Crops Res. Br. Plant Inventory 163,355 p. June 1964. 1 P6981

NIELSON, M. W. A synonymical list of leafhopper vectors of plant viruses (Homoptera, Cicadellidae). U. S. Agr. Res. Serv. ARS-33-74,12 p. July 1962. A420 R31

SCHMIDT, E. D., and LEVIN, J. H. Cushioning materials for harvesting and handling fruits and vegetables. U. S. Agr. Res. Serv. ARS-42,15 p. Apr.1964. A58.9 R31

SHAW, B. T. Partners in agricultural progress; talk before Florida Citrus Production Credit Association, Orlando, Fla., April 14, 1964. Washington, U. S. Agricultural Research Serv., 1964. 7 p. 1.98 Sh2

U. S. AGRICULTURAL RESEARCH SERV. Composition of oilseeds; a list of publications and patents for 1962, of the Northern Utilization Research and Development Division, Peoria, Illinois. U. S. Agr. Res. Serv. ARS-71-23-1, 3 p. Jan.1963. A381 R31Ac

U. S. AGRICULTURAL RESEARCH SERV. DHIA cow performance index list, registered progeny of AI sires, February and May 1964. U. S. Agr. Res. Serv. ARS 44-146,160 p. June 1964. A49.9 R31A

U. S. AGRICULTURAL RESEARCH SERV. Edible soybean oil; a list of publications for 1962, of the Northern Utilization Research and Development Division, Peoria, Illinois. U. S. Agr. Res. Serv. ARS-71-25-1,2 p. Jan.1963. A381 R31Ac

U. S. AGRICULTURAL RESEARCH SERV. Hog cholera eradication, 1963 progress report. Washington, 1964. 27 p.,map. A41.9 Ag8

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL DISEASE ERADICATION DIV. Incidence of bluetongue reported in sheep during calendar year 1963. Hyattsville, Md., 1964. 4 p.,map. A41.9 R317In

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL DISEASE ERADICATION DIV. National listing of validated brucellosis-free herds. U. S. Agr. Res. Serv. ARS 91-43-1,rev.,53 p. June 1964. A41.9 R315Ar

U. S. AGRICULTURAL RESEARCH SERV. ANIMAL DISEASE ERADICATION DIV. Report of cooperative tick eradication activities, fiscal year 1963. Hyattsville, Md., 1963. 7 p.,map. A423.9 R314

U. S. AGRICULTURAL RESEARCH SERV. CROPS RESEARCH DIV. The National Arboretum, for research and education. Washington, 1964. 12 p. A451.1 W27

U. S. AGRICULTURAL RESEARCH SERV. EASTERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Eastern Utilization Research and Development Division. Washington, 1964. 36 p.,map. A31.3 R316

U. S. AGRICULTURAL RESEARCH SERV. EASTERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Laboratories and functions of the Eastern Utilization Research and Development Division, Wyndmoor, Pa. Washington, 1963. 19 p. A31.3 R316L

U. S. AGRICULTURAL RESEARCH SERV. EASTERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. You and utilization research; career opportunities at Eastern Utilization Research and Development Division. Washington, 1963. 33 p. A330 R312

U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Chemically modified oil products and industrial uses; a list of publications and patents, 1936-1961, Northern Regional Research Laboratory. U. S. Agr. Res. Serv. ARS-71-27,22 p. Dec.1962. A381 R31Ac

U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Composition of oilseeds; a list of publications, 1936-1961, Northern Regional Research Laboratory. U. S. Agr. Res. Serv. ARS-71-23,17 p. Dec.1962. A381 R31Ac

U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Edible soybean oil; a list of publications and patents, 1936-1961, Northern Regional Research Laboratory. U. S. Agr. Res. Serv. ARS-71-25,15 p. Dec.1962. A381 R31Ac

U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Edible soybean protein products; a list of publications and patents, 1936-1961, Northern Regional Research Laboratory. U. S. Agr. Res. Serv. ARS-71-26,9 p. Dec.1962. A381 R31Ac

U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Industrial uses of proteins; a list of publications and patents, 1936-1961, Northern Regional Research Laboratory. U. S. Agr. Res. Serv. ARS-71-28,11 p. Dec. 1962. A381 R31Ac

U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Processing oilseeds, oil, and meal; a list of publications and patents, 1936-1961, Northern Regional Research Laboratory. U. S. Agr. Res. Serv. ARS-71-24,11 p. Dec.1962. A381 R31Ac

U. S. AGRICULTURAL RESEARCH SERV. NORTHERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Review articles on oilseed crops research; a list of publications 1936-1961, Northern Regional Research Laboratory. U. S. Agr. Res. Serv. ARS-71-29,9 p. Dec.1962. A381 R31Ac

U. S. AGRICULTURAL RESEARCH SERV. WESTERN UTILIZATION RESEARCH AND DEVELOPMENT DIV. Laboratories and functions, Western Utilization Research and Development Division, Albany, California. Washington, 1964. 15 p. A31.3 R3142W

#### Periodicals

AGRICULTURAL research. Monthly. 1.98 Ag84

COOPERATIVE economic insect report. Weekly. 1.967 A2C78

MONTHLY bibliography on exotic animal diseases. A241.71 An5M

THE PLANT disease reporter. Monthly. 1.9 P69P

SUMMARY: brucellosis eradication, bovine, indemnity and average; tuberculosis eradication, bovine, paratuberculosis, swine, avian, indemnity and average in cooperation with the various states. Monthly. A41.9 R31S

WORKING reference of livestock regulatory establishments, stations and officials. Monthly. A225 R31

#### AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. Conservation Reserve Program and land use adjustment program, statistical summary, 1963. Washington, 1964. 48 p.,map. A56.9 C73C

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. 1963 wheat stabilization program, statistical summary. Washington, 1964. 20 p.,map. A281.3599 St1

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION SERV. The pesticide situation for 1963-1964, general situation and outlook, by H. H. Shepard and J. N. Mahan. Washington, 1964. 26 p. 1.956 M343P43

#### Periodicals

SUGAR reports. Monthly. 1.956 Su3Su33

### AGRICULTURAL STABILIZATION AND CONSERVATION COMMITTEES

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION COMMITTEE. MISSISSIPPI. Annual report for 1963. Jackson, 1964. 93 p. A281.9 St12

U. S. AGRICULTURAL STABILIZATION AND CONSERVATION COMMITTEE. WYOMING. History of Wyoming county and State ASCS offices; growth through agricultural progress. Casper, 1963. 144 p. A31.3 Ag8942

### BUDGET AND FINANCE, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF BUDGET AND FINANCE. Digest of agricultural legislation enacted during the 88th Congress, first session, January 9-December 30, 1963. Washington, 1964. 25 p. 1.911 A2D56

### COMMODITY CREDIT CORPORATION

U. S. COMMODITY CREDIT CORPORATION. Report of the president, 1963. Washington, 1964. 34 p. 1 C731

#### Periodicals

REPORT of financial condition and operations. Monthly. 1.957 B18  
Agricultural Stabilization and Conservation Service, cooperating.

### ECONOMIC RESEARCH SERVICE

GAVETT, E. E. Truck crop production practices, Marion County, Oregon; labor, power, and materials, by operation. U. S. D. A. Econ. Res. Serv. ERS-169,35 p.,map. June 1964. A281.9 Ag83E

GAVETT, E. E. Truck crop production practices, San Joaquin County, California. U. S. D. A. Econ. Res. Serv. ERS-166,50 p.,map. June 1964. A281.9 Ag83E

GAVETT, E. E. Truck crop production practices, Yakima County, Washington; labor, power, and materials, by operation. U. S. D. A. Econ. Res. Serv. ERS-172,42 p.,map. July 1964. A281.9 Ag83E

SMITH, T. B. Operating procedures and labor utilization in cottonseed oil mills, 1961-62 season. U. S. D. A. Econ. Res. Serv. ERS-179, 27 p. July 1964. A281.9 Ag83E

U. S. Farmer Cooperative Service, cooperating.

U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. The freeze-drying industry: projections of capital and labor requirements, 1963-70, by K. Bird. Washington, 1964. 9 p. A295 B53

Not available for free distribution. Photocopies may be ordered from the Library.

U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Some economic opportunities and limitations of outdoor recreation enterprises, by E. L. Baum and E. J. Moore. Washington, 1964. 18 p. A280.6 Ag84

U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Statistics on the European Economic Community. 1. Agricultural trade and finance. U. S. D. A. Econ. Res. Serv. ERS-Foreign-43,236 p.,map. Dec.1962. A281.9 Ag83

U. S. DEPT. OF AGRICULTURE. ECONOMIC RESEARCH SERV. Statistics on the European Economic Community. 2. Agricultural production and consumption. U. S. D. A. Econ. Res. Serv. ERS-Foreign-46,204 p.,map. July 1963. A281.9 Ag83

#### Periodicals

AGRICULTURAL economics research; a journal of economic and statistical research. Quarterly. 1 Ec7Agr

AGRICULTURAL outlook digest. Quarterly. 1.941 S8Ag82

THE COTTON situation. Bi-monthly. 1.9 Ec752F CS

CPFJ [Consumer purchases of citrus and other juices]. Monthly. A280.3939 M34C

THE DAIRY situation. Bi-monthly. 1.9 Ec7Ds

THE DEMAND and price situation. Quarterly. 1.9 Ec752Pa

THE FARM income situation. 5 times a year. 1.941 F8F22

FARM index. Monthly. A281.8 F22

FARM-MORTGAGE lending experience of life insurance companies, the Federal land banks, and the Farmers Home Administration. Quarterly. A284.29 Ag82

THE FATS and oils situation. 5 times a year. 1.9 Ec752F

THE FEED situation. Irregular. 1.941 S8F32

FOREIGN agricultural trade of the United States. Monthly. A286.9 Ag8

FOREIGN gold & exchange reserves. Semi-annual. A284.9 Ag842

THE FRUIT situation. Quarterly. 1.9 Ec752F

THE LIVESTOCK and meat situation. Irregular. 1.941 S8L752

THE MARKETING and transportation situation. Quarterly. 1.941 M8M34

THE NATIONAL food situation. Quarterly. 1.941 S2F73

THE POULTRY and egg situation. Bi-monthly. 1.9 Ec752F

THE TOBACCO situation. Quarterly. 1.9 Ec752F

THE VEGETABLE situation. Quarterly. 1.9 Ec752F

THE WHEAT situation. 5 times a year. 1.9 Ec752F

THE WOOL situation. Quarterly. 1.9 Ec752Ww

### FARMER COOPERATIVE SERVICE

HARDY, C. E. List of publications, FCS. U. S. Farmer Coop. Serv. Inform. 4,rev.,122 p. July 1964. A280.29 F221

#### Periodicals

NEWS for farmer cooperatives. Monthly. 166.2 N47

### FARMERS HOME ADMINISTRATION

U. S. FARMERS HOME ADMIN. Real estate loan allotments and obligations, 1964 fiscal year through August 31, 1963. Washington, 1964. 24 p. A284.29 F2232



## FEDERAL CROP INSURANCE CORPORATION

U. S. FEDERAL CROP INSURANCE CORPORATION. Annual report, 1963. Washington, 1964. 50 p., map. 1.952 R292

## FEDERAL EXTENSION SERVICE

U. S. FEDERAL EXTENSION SERV. The world's stake in U.S. agriculture. Washington, 1963. 6 p.-folder. A280.3 F31W

Periodicals

EXTENSION service review. Monthly. 1 Ex892Ex

## FOREIGN AGRICULTURAL SERVICE

DAVIS, A. B. Tobacco production and marketing in Southern Rhodesia, Northern Rhodesia, and Nyasaland. U. S. Foreign Agr. Serv. FAS-M-157,32 p. June 1964. A281.9 F76Fm

DAVIS, A. B. Tobacco production and trade of Madagascar (Malagasy Republic). U. S. Foreign Agr. Serv. FAS-M 159,9 p., map. May 1964. A281.9 F76Fm

MINYARD, J. D. Cotton in Iran. U. S. Foreign Agr. Serv. FAS-M-160,21 p. June 1964. A281.9 F76Fm

U. S. FOREIGN AGRICULTURAL SERV. Prospects for foreign trade in fruits, vegetables, tree nuts. Washington, 1964. 30 p. A286.9 F76Pr

Periodicals

FOREIGN agriculture. Weekly. A281.9 F76Fo

FOREIGN agriculture circular. FC (Foreign cotton report). Irregular. 1.943 F7626

Similar reports for all the basic commodities.

FOREIGN agriculture report. Irregular. 1.943 F763

REPORT to Maritime Administration showing participation of privately-owned U.S.-flag commercial vessels and government-owned U.S.-flag vessels, and foreign flag vessels pursuant to P.L. 664 (Cargo preference) in P.L. 480, Title IV, programs. Quarterly. A286.9 St12

REPORT to Maritime Administration showing participation of privately-owned U.S.-flag vessels and government-owned U.S.-flag vessels, and foreign flag vessels pursuant to P.L. 664 (Cargo preference) in P.L. 480, Title I, programs. Quarterly. A286.9 St12Re

WORLD agricultural production and trade; statistical report. Monthly. 1.9 St2F

## FOREST SERVICE

Periodicals

EXCHANGE of translations scheme (British Commonwealth Forestry Conference). Monthly. A241.01 F762E

FIRE control notes. Quarterly. 1 F766Fi

FOREST pest leaflet. Irregular. A423.9 F764

RANGE improvement notes. Irregular. A60.19 F762

SOUTHERN forest pest reporter. 3 times a year. A423.9 F767

TREE planters' notes. Irregular. 1.962 C5T71

## GRADUATE SCHOOL

Periodicals

NEWSLETTER, Graduate School. Irregular. 1.984 G75

## INFORMATION, OFFICE OF

Periodicals

CLOSE-UP [Motion Picture Service]. Quarterly. 1.914 M2T55

MONTHLY list of [Department of Agriculture] publications and motion pictures. 1 P96M

RURAL areas development newsletter. Irregular. A281.9 Ag82

SERVICE; USDA'S report to consumers. Monthly. A280.39 Ag82

## NATIONAL AGRICULTURAL LIBRARY

U. S. NATIONAL AGRICULTURAL LIBRARY. Serial publications indexed in Bibliography of Agriculture. U. S. Natl. Agr. Libr. Libr. List 75,72 p. 1964. 1.916 L612

Periodicals

BIBLIOGRAPHY of agriculture. Monthly. 1.916 B471

## PERSONNEL, OFFICE OF

U. S. DEPT. OF AGRICULTURE. OFF. OF PERSONNEL. Staff paper. Ideas, employee-management cooperation. Washington, 1963. 43 p., map. A249.3 Ag82Si

Periodicals

PERSONNEL research series. Irregular. A249.39 Ag82P

STATISTICAL summary of employment. Monthly. 1.917 A2St2

TIPS on personnel management for supervisors from the Director of Personnel. Irregular. A249.39 Ag82T

## RURAL ELECTRIFICATION ADMINISTRATION

CLAPP, N. M. Developing the role of the statewide in rural electrification; remarks before annual meeting of Virginia Association of Electric Cooperatives, Old Point Comfort, Va., April 28, 1964. Washington, U. S. Rural Electrification Admin., 1964. 8 p. A335.9 C53

U. S. RURAL ELECTRIFICATION ADMINISTRATION. A matter of record; a report on an article about REA and its borrowers published in the December 1963 issue of Reader's Digest. Washington, 1963. 15 p. A294.2 R882M

## SECRETARY, OFFICE OF

BAKER, J. A. Address at the annual convention of the Arkansas Farmers Union, Little Rock, Arkansas, August 11, 1964. Washington, U. S. D. A., Off. Sec., 1964. 11 p. A281.29 B17

BAKER, J. A. Address before American Country Life Association, Washington, D. C., July 7, 1964. Washington, U.S.D.A., Off. Sec., 1964. 9 p. A281.29 B17

BAKER, J. A. Address before the American Institute of Cooperation Extension and Research Workshop, East Lansing, Michigan, August 7, 1964. Washington, U. S. D. A., Off. Sec., 1964. 10 p. A281.29 B17

FREEMAN, O. L. Address at annual meeting of Scott-New Madrid-Mississippi Rural Electric Cooperative, Sikeston, Missouri, June 26, 1964. Washington, U. S. D. A., Off. Sec., 1964. 12 p. A31.3 F87

FREEMAN, O. L. Address at 11th National Watershed Congress, Little Rock, Arkansas, April 28, 1964. Washington, U. S. D. A., Off. Sec., 1964. 12 p. A31.3 F87

FREEMAN, O. L. Address at Jackson's Mill, West Virginia, July 20, 1964. Washington, U. S. D. A., Off. Sec., 1964. 12 p. A31.3 F87

FREEMAN, O. L. Address at the American Marketing Association dinner, Washington, D. C., Oct. 23, 1963. Washington, U. S. D. A., Off. Sec., 1963. 9 p. A31.3 F87

FREEMAN, O. L. Agriculture and the Alliance for Progress; address at the Conference of Alliance for Progress Ambassadors and Aid Directors, Washington, D. C., March 17, 1964. Washington, U. S. D. A., Off. Sec., 1964. 9 p. A31.3 F87

FREEMAN, O. L. Excerpts of remarks at the annual convention of the Soybean Growers of America, Decatur, Illinois, Feb. 10, 1964. Washington, U. S. D. A., Off. Sec., 1964. 6 p. A31.3 F87

FREEMAN, O. L. New Year's message, Washington, D. C., Dec. 31, 1963. Washington, U. S. D. A., Off. Sec., 1964. 3 p. A31.3 F87

FREEMAN, O. L. Remarks at dedication of new Laboratory-Administration Building, National Arboretum, Washington, D. C., April 27, 1964. Washington, U. S. D. A., Off. Sec., 1964. 2 p. A31.3 F87

FREEMAN, O. L. Remarks before the annual convention of the American Trial Lawyers Association, New York City, August 6, 1964. Washington, U. S. D. A., Off. Sec., 1964. 16 p. A31.3 F87

FREEMAN, O. L. Testimony before Permanent Subcommittee on Investigations of the Senate Committee on Government Operations, June 28, 1962. Washington, U. S. D. A., Off. Sec., 1962. 28 p. A31.3 F87

MEHREN, G. L. Cattlemen, competition, and the USDA; address at annual meeting of Colorado Cattle Feeders Association, Denver, Colorado, Feb., 1964. Washington, U. S. D. A., Off. Sec., 1964. 16 p. A280.39 M472

MEHREN, G. L. Communications, competition, and the role of USDA; address at annual meeting of Western States Meat Packers Association, San Francisco, Calif., Feb. 21, 1964. Washington, U. S. D. A., Off. Sec., 1964. 15 p. A280.39 M472

#### SOIL CONSERVATION SERVICE

BEESLEY, T. E., SAUTTER, H. E., and JACKSON, R. K. Soil survey, Gage County, Nebraska. U. S. Soil Conserv. Serv. Soil Survey Ser. 1959(36), 76 p., map. Ref. May 1964. 1 So32F  
University of Nebraska Conservation and Survey Division, cooperating.

FLOWERS, R. L., and others. Soil survey of Fayette County, Tennessee. U. S. Soil Conserv. Serv. Soil Survey Ser. 1960(13), 71 p., map. Mar. 1964. 1 So32F

Tennessee Agricultural Experiment Station, cooperating.

MATTHEWS, E. D., and others. Soil survey of Caroline County, Maryland. U. S. Soil Conserv. Serv. Soil Survey Ser. 1959(33), 53 p., map. Jan. 1964. 1 So32F

Maryland Agricultural Experiment Station, cooperating.

U. S. SOIL CONSERVATION SERV. List of published soil surveys. Washington, 1964. 26 p. Jan. 1964. A241 So3L

#### Periodicals

SNOW surveys for Alaska. Seasonal. A292.9 So3S

SOIL conservation; official organ of the Soil Conservation Service. Monthly. 1.6 So3S

WATER supply outlook and Federal-State-private cooperative snow surveys for Arizona. Seasonal. 1.96 R31Sn

WATER supply outlook and Federal-State-private cooperative snow surveys for Colorado and New Mexico. Seasonal. 1.96 R31Fsm

WATER supply outlook and Federal-State-private cooperative snow surveys for Idaho. Seasonal. A292.9 So3Wat

WATER supply outlook and Federal-State-private cooperative snow surveys for Montana. Seasonal. 1.96 R31Fsmo

WATER supply outlook and Federal-State-private cooperative snow surveys for Nevada. Seasonal. 1.96 R31Fsn

WATER supply outlook and Federal-State-private cooperative snow surveys for Oregon. Seasonal. 1.96 R31Fso

WATER supply outlook and Federal-State-private cooperative snow surveys for Washington. Seasonal. A292.9 So3Fe

WATER supply outlook and Federal-State-private cooperative snow surveys for Western United States including Columbia River drainage in Canada. Seasonal. A292.9 So3W

WATER supply outlook and Federal-State-private cooperative snow surveys for Wyoming. Seasonal. A341 So3

#### STATISTICAL REPORTING SERVICE

U. S. CROP REPORTING BOARD. Naval stores 1963-64 annual report; production, supply, distribution, consumption and stocks of turpentine and rosin and related data, for the United States, May, 1964. Washington, 1964. 11 p. 1.941 S8N22

U. S. DEPT. OF AGRICULTURE. STATISTICAL REPORTING SERV. Capacity of refrigerated warehouses in the United States, October 1, 1963, by J. A. Brosa, M. R. Banks, and W. D. Bormuth. Washington, 1964. 22 p., map. 1.9 Ed7Tab

#### Periodicals

AGRICULTURAL prices. Monthly. 1.942 A8M58

THE AGRICULTURAL situation. Monthly. 1 Ec7Ag

CATTLE on feed. Irregular. 1.941 H8C292

COLD storage report. Monthly. 1.9422 A8C67

COTTON production. Semi-annual. 1.941 H8C823

EGG PRODUCTS; liquid, frozen, solids production. Monthly. 1.941 H8Eg3

EVAPORATED, condensed, and dry milk report. Monthly. 1.9 M34Mev

FARM labor. Monthly. 1.9 Ec71Far

FLUID milk and cream report. Monthly. 1.9 M34M

HATCHERY production. Monthly. 1.9 Ec724Ha

MILK production. Monthly. A281.3449 M342



PEANUT stocks and processing. Monthly.  
1.941 M8P31

POULTRY slaughtered under Federal inspection and poultry used in canning and other processed foods. Monthly. A280.3479 M34P

PRODUCTION of ice cream and related frozen products. Chicago. Monthly. 1.941 H8Ic2

THE STATISTICAL summary. Monthly.  
1.941 A22St2

STOCKS of grains in all positions. Quarterly.  
1.941 S8G767

VEGETABLES—fresh market; acreage and estimated production of principal commercial crops. Monthly. 1.941 H8v523

WEEKLY creamery butter production report.  
1.942 D8W41

### STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

Publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing experiment station.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the National Agricultural Library for the cost of reproduction.

#### Alabama Agricultural Experiment Station, Auburn

PHILSON, K. Temperature and humidity studies; effects of using electric range surface units for a medium length cooking process. Ala. Agr. Expt. Sta. Home Econ. Res. Dept. Ser. 2,50 p. June 1964. 321.9 AL13

HIGHLIGHTS of agricultural research 11(3), 16 p. Fall 1964. 100 AL1H

#### Alaska Agricultural Experiment Station, Palmer

SAUNDERS, A. D. Financing Alaska's farms. Alaska. Agr. Expt. Sta. B. 35,31 p. May 1964. 100 AL122B  
U. S. Dept. of Agriculture, cooperating.

#### Arkansas Agricultural Experiment Station, Fayetteville

SPOONER, A. E. Lamb grazing trials on winter supplemental pastures. Ark. Agr. Expt. Sta. B. 689,21 p.,map. June 1964. 100 Ar42

OFFUTT, M. S., and WALTERS, H. J. Annual Lespedeza variety and strain trials, 1957 to 1962. Ark. Agr. Expt. Sta. Rpt. Ser. 127,38 p., map. Ref. June 1964. 100 Ar42R

ARKANSAS. AGRICULTURAL EXPERIMENT STATION. 1963 agricultural statistics for Arkansas. Ark. Agr. Expt. Sta. Rpt. Ser. 128, 42 p.,map. Aug.1964. 100 Ar42R  
U. S. Dept. of Agriculture, cooperating.

BROWN, C. J., and LUEKER, C. Performance of bulls on Arkansas cooperative beef bull performance test 2. Ark. Agr. Expt. Sta. Rpt. Ser. 129,16 p.-folder,map. July 1964. 100 Ar42R

ARKANSAS farm research 13(4),12 p. July/Aug.1964. 100 Ar42F

#### California Agricultural Experiment Station, Berkeley

CLARKE, D. A., FORKER, O. D., and JOHNSON, A. C. Pricing milk for manufacturing purposes in California. Calif. Agr. Expt. Sta. B. 801,134 p. June 1964. 100 C12S

PADBERG, D. I., and CLARKE, D. A. Structural changes in the California fluid milk industry; their effects on competition and market performance. Calif. Agr. Expt. Sta. B. 802, 56 p.,map. Ref. June 1964. 100 C12S

RESCH, H., and ECKLUND, B. A. Accelerating the drying of redwood lumber. Calif. Agr. Expt. Sta. B. 803,27 p. Ref. July 1964. 100 C12S

CRAFTS, A. S., and YAMAGUCHI, S. The autoradiography of plant materials. Calif. Agr. Expt. Sta. Manual 35,143 p. Ref. June 1964. 100 C124

HURD, P. D., and LINSLEY, E. G. The squash and gourd bees—genera *Peponapis* Robertson and *Xenoglossa* Smith—inhabiting America north of Mexico (Hymenoptera: Apoidea). Hilgardia 35(15):375-477. Ref. May 1964. 100 C12H

DAVIS, R. M., BAKER, G. A., and KASMIRE, R. F. Muskmelon quality characteristics—their variability and interrelationships. Hilgardia 35(16):479-489. July 1964. 100 C12H

#### Connecticut Agricultural Experiment Station, New Haven

STOMATA and water relations in plants; papers and discussions given July 1 to 12, 1963, as part of the Advanced Science Seminar on the Physiology and Biochemistry of Leaf Stomata, edited by I. Zelitch. Conn. Agr. Expt. Sta. B. 664,116 p. Dec.1963. 100 C76St

#### Connecticut (Storrs) Agricultural Experiment Station, Storrs

KOTTKE, M. W. Patterns of dairy farm exit and growth. Conn. (Storrs) Agr. Expt. Sta. B. 382,20 p. Ref. Aug.1964. 100 C76S

STOCKWELL, E. G. The population of Connecticut; residential mobility, 1955-1960. Conn. (Storrs) Agr. Expt. Sta. B. 384,12 p.,map. June 1964. 100 C76S

STOCKWELL, E. G., and INGALLS, D. G. Illustrative projections of the population of the Middle Atlantic States by age and sex, 1960 to 1980. Conn. (Storrs) Agr. Expt. Sta. Prog. Rpt. 53,20 p. May 1964. 100 C76Pr

STOCKWELL, E. G. Population change and redistribution in eastern Connecticut: 1958-1963. Conn. (Storrs) Agr. Expt. Sta. Prog. Rpt. 55, 8 p.,map. Oct.1963. 100 C76Pr  
Connecticut State Highway Dept., and Bur. of Public Roads, cooperating.

#### Florida Agricultural Experiment Station, Gainesville

PHILLIPS, A. M., LARGE, J. R., and COLE, J. R. Insects and diseases of the pecan [*Carya illinoensis*] in Florida. Fla. Agr. Expt. Sta. B. 619A,87 p. June 1964. 100 F66S  
U. S. Dept. of Agriculture, cooperating.

BAKER, F. S. Finishing cattle in north Florida. Fla. Agr. Expt. Sta. B. 675,35 p. Ref. June 1964. 100 F66S



KRETSCHMER, A. E., and HAYSLIP, N. C. Evaluation of several combinations of grasses and white clover on Immokalee fine sand in south Florida. Fla. Agr. Expt. Sta. B. 676, 16 p. Ref. June 1954. 100 F66S

KOGER, M., RAINEY, R. W., and CUNHA, T. J. Results from three methods of handling and finishing steers after weaning. Fla. Agr. Expt. Sta. Dept. Anim. Sci. Mimeo. Ser. 63-14, 5 p. Apr. 1963. 49.9 F66

WALLACE, H. D., COMBS, G. E., and O'BANNON, R. H. The value of amphotericin fed singly or in combination with other feed additives to growing-finishing swine. Fla. Agr. Expt. Sta. Dept. Anim. Sci. Mimeo. Ser. 63-15, 6 p. Apr. 1963. 49.9 F66

WALLACE, H. D., and others. High level copper for growing-finishing swine. Fla. Agr. Expt. Sta. Dept. Anim. Sci. Mimeo. Ser. 63-17, 7 p. May 1963. 49.9 F66

G. E. Combs, R. L. Shirley, R. H. O'Bannon, joint authors.

SUNSHINE State agricultural research report 9(3), 28 p. July 1964. 100 F66Su

#### Georgia Agricultural Experiment Stations, Athens

CHAPMAN, W. F., BROOKS, T. L., and FORD, K. E. Vegetable production density, Alabama. Ga. Agr. Expt. Sta. Mimeo. Ser. (n.s.) 198, 25 p., map. July 1964. 100 G293M  
U. S. Dept. of Agriculture, cooperating.

FORD, K. E. Agribusiness in Georgia. Ga. Agr. Expt. Sta. Mimeo. Ser. (n.s.) 199, 25 p., map. July 1964. 100 G293M

#### Hawaii Agricultural Experiment Station, Honolulu

HAWAII farm science 13(2), 8 p. Apr. 1964. 100 H314

#### Indiana Agricultural Experiment Station, Lafayette

QUACKENBUSH, F. W., SCHALL, E. D., and CURTIS, P. B. Inspection of commercial feeds. Ind. Agr. Expt. Sta. Insp. Rpt. 47, 40 p. Apr. 1964. 280.39 In22

KRAUSE, K. R., SNYDER, J. C., and ATKINSON, J. H. Selected financial management guides for specialized farm mutual insurance companies. Ind. Agr. Expt. Sta. Res. B. 776, 16 p. May 1964. 100 In2P

TAYLOR, J. C., BARTLETT, T. E., and FRENCH, C. E. Effects of volume on costs of ice cream manufacturing. Ind. Agr. Expt. Sta. Res. B. 779, 23 p. May 1964. 100 In2P

WEHRLY, J. S., and ATKINSON, J. H. Debt load capacity of farms. Ind. Agr. Expt. Sta. Res. B. 780, 19 p. June 1964. 100 In2P

FREEMAN, R. E., and BABB, E. M. Marketing area and related issues in Federal milk orders. Ind. Agr. Expt. Sta. Res. B. 782, 35 p., map. Ref. June 1964. 100 In2P

BAURNAN, L. F., and CRANE, P. L. 1963 performance trials of experimental dent corn hybrids. Ind. Agr. Expt. Sta. Res. Prog. Rpt. 101, 10 p. Feb. 1964. 100 In2Res

SCHWALL, D. V., and STADELMAN, W. J. Effects of corn starch and corn sirup on moisture retention, color, flavor and oxidative changes in poultry meat. Ind. Agr. Expt. Sta. Res. Prog. Rpt. 143, 11 p. Ref. June 1964. 100 In2Res

#### Iowa Agricultural and Home Economics Experiment Station, Ames

IOWA farm science 19(2), 20 p. Aug. 1964. 275.28 Io94

#### Kentucky Agricultural Experiment Station, Lexington

SCHWARZWELLER, H. K. Family ties, migration, and transitional adjustment of young men from eastern Kentucky. Ky. Agr. Expt. Sta. B. 691, 39 p. Ref. May 1964. 100 K41  
U. S. Dept. of Agriculture, cooperating.

#### Louisiana Agricultural Experiment Station, University Station, Baton Rouge

CAMPBELL, J. R. Family-type sugar cane farms in Louisiana, 1960; costs, returns, profits. La. Agr. Expt. Sta. DAE Res. Rpt. 321, 53 p. June 1963. 100 L935

LOUISIANA. AGRICULTURAL EXPERIMENT STATION. 55th annual progress report, Rice Experiment Station, Crowley, Louisiana, 1963. n.p., 1964? 184 p. 100 L93  
U. S. Dept. of Agriculture, cooperating.

LOUISIANA. AGRICULTURAL EXPERIMENT STATION. Annual progress report, Red River Valley Agricultural Experiment Station, Bossier City, 1963. Bossier City, 1964? 72 p. 100 L9333

LOUISIANA. AGRICULTURAL EXPERIMENT STATION. Sixteenth annual progress report, West Louisiana Experiment Station, Rosepine, 1963. Rosepine, 1964? 50 p. 100 L937

#### Maryland Agricultural Experiment Station, College Park

ROTHGEB, R. G. The performance of hybrid corn, 1961-1963. Md. Agr. Expt. Sta. Misc. P. 514, 20 p. May 1964. 100 M36M

SWOPE, D. A., and FOX, R. S. Vining methods and cost of processing lima beans. Md. Agr. Expt. Sta. Misc. P. 519, 43 p. Ref. June 1964. 100 M36M

WALKER, W. P., and GARDNER, W. D. Assessing farm land under Maryland's use value assessment law. Md. Agr. Expt. Sta. Misc. P. 522, 27 p. June 1964. 100 M36M  
U. S. Department of Agriculture, cooperating.

Massachusetts Agricultural Experiment Station, Amherst

FOSTER, J. H. Farm real estate tax assessment in nine Massachusetts towns. Mass. Agr. Expt. Sta. B. 545,15 p. June 1964. 100 M38H

Michigan Agricultural Experiment Station, East Lansing

WHEATON, R. Z., KIDDER, E. H., and ERICKSON, A. E. Water requirements of potatoes. Mich. Agr. Expt. Sta. Q. B. 46(4):480-487. May 1964. 100 M58S

BUKOVAC, M. J., LARSEN, R. P., and ROBB, W. R. Effect of N, N-dimethylaminosuccinamic acid on shoot elongation and nutrient composition of vitis labrusca L. Cv. Concord. Mich. Agr. Expt. Sta. Q. B. 46(4):488-494. Ref. May 1964. 100 M58S

HONMA, S., and DOWNES, J. D. Spartan Emerald, a new pepper variety for processing and the fresh market. Mich. Agr. Expt. Sta. Q. B. 46(4):495-498. May 1964. 100 M58S

ROSSMAN, E. C. Released inbred lines of corn. Mich. Agr. Expt. Sta. Q. B. 46(4):499-501. May 1964. 100 M58S

ROSSMAN, E. C. Two new corn hybrids—Michigan 270 and Michigan 400. Mich. Agr. Expt. Sta. Q. B. 46(4):502-506, map. May 1964. 100 M58S

ELLIOTT, F. C., and OLIEN, C. R. The isolation of antimetabolites from individual alfalfa plants. II. Electrophoretic techniques. Mich. Agr. Expt. Sta. Q. B. 46(4):507-511. May 1964. 100 M58S

SCHILLINGER, J. A., ELLIOTT, F. C., and RUPPEL, R. F. A method for screening alfalfa plants for potato leafhopper [*Empoasca fabae*] resistance. Mich. Agr. Expt. Sta. Q. B. 46(4):512-517. May 1964. 100 M58S

WELLS, A. L., and GUYER, G. Control of the northern corn rootworm [*Diabrotica longicornis*] in Michigan. Mich. Agr. Expt. Sta. Q. B. 46(4):518-526. May 1964. 100 M58S

KNIERIM, J. A. A soil fumigation test in relation to the cherry replant problem. Mich. Agr. Expt. Sta. Q. B. 46(4):527-532. Ref. May 1964. 100 M58S

SKOG, R. E. Financial returns from once tax-delinquent forest land now being managed for timber. Mich. Agr. Expt. Sta. Q. B. 46(4):533-541. May 1964. 100 M58S

BROWN, L. D., and others. Adding dried molasses to grain for lactating dairy cows. Mich. Agr. Expt. Sta. Q. B. 46(4):570-575. May 1964. 100 M58S

R. S. Emery, G. N. Blank, E. J. Benne, joint authors.

SCHMUTZ, W. G., and others. Chemistry and nutritive value of ensiled high moisture ground ear corn. Mich. Agr. Expt. Sta. Q. B. 46(4):576-588. Ref. May 1964. 100 M58S

R. S. Emery, E. J. Benne, and D. Carpenter, joint authors.

Minnesota Agricultural Experiment Station, St. Paul Campus, St. Paul 1

NOHRE, C. O., and JENSEN, H. R. Profitable farm adjustments in south-central Minnesota. Minn. Agr. Expt. Sta. B. 471,48 p. May 1964. 100 M66

Mississippi Agricultural Experiment Station, State College

CLAYTON, J. E., and WILLIAMSON, E. B. Protection of cotton pickers between seasons aided by rust arresters. Miss. Agr. Expt. Sta. Inform. Sheet 787,2 p. Jan.1963. 100 M69In

BOWMAN, D. H., and FISHER, C. Rice varieties and herbicides treatments, 1962. Miss. Agr. Expt. Sta. Inform. Sheet 796,2 p. Mar. 1963. 100 M69In

THOMAS, C. H. Selection for improvement of egg production. Miss. Agr. Expt. Sta. Inform. Sheet 832,2 p. Dec.1963. 100 M69In

CAMPBELL, J. A. Tomato variety trials—1963. Miss. Agr. Expt. Sta. Inform. Sheet 833, 1 p. Dec.1963. 100 M69In

BROWNING, C. B. A comparison of irrigated ladino clover, Coastal Bermuda, and a Coastal Bermuda-ladino clover mixture for summer grazing by dairy cows. Miss. Agr. Expt. Sta. Inform. Sheet 834,2 p. Dec.1963. 100 M69In

TIPTON, H. C., DAY, E. J., and SEALE, A. D. Electronic computers aid in poultry nutritional-economic research. Miss. Agr. Expt. Sta. Inform. Sheet 835,2 p. Jan.1964. 100 M69In

YOUNG, D., and BRAZZEL, J. R. Seasonal incidence of the bollworm [*Heliothis zea*] and tobacco budworm [*Heliothis virescens*] complex in cotton fields of Mississippi. Miss. Agr. Expt. Sta. Inform. Sheet 836,2 p., map. Jan. 1964. 100 M69In

HARTWIG, E. E. Soybean varieties, 1963—Delta and Hill section. Miss. Agr. Expt. Sta. Inform. Sheet 837,2 p. Feb.1964. 100 M69In

ROGERS, T. W., and WILBER, G. L. School drop-outs in Mississippi. Miss. Agr. Expt. Sta. Inform. Sheet 838,2 p. Feb.1964. 100 M69In

THOMPSON, W. R., and WARD, C. Y. A comparison of nitrogen sources for turfgrasses. Miss. Agr. Expt. Sta. Inform. Sheet 839,1 p. Mar.1964. 100 M69In

COAST, R. E. Response of soybeans to fertilizer on limed and unlimed soils in the Brown Loam area. Miss. Agr. Expt. Sta. Inform. Sheet 840,2 p. Mar.1964. 100 M69In

EDWARDS, F. E. Minimum seedbed preparation for cotton. Miss. Agr. Expt. Sta. Inform. Sheet 841,2 p. Mar.1964. 100 M69In

RANNEY, C. D. A deleterious interaction between a fungicide and systemic insecticides. Miss. Agr. Expt. Sta. Inform. Sheet 842,2 p. Mar.1964. 100 M69In



WARD, C. Y., and MEREDITH, W. R. Nitrogen fertilization of Johnsongrass will pay big dividends. Miss. Agr. Expt. Sta. Inform. Sheet 843, 2 p. Mar. 1964. 100 M69In

STONER, W. N., and ULLSTRUP, A. J. Corn stunt disease. Miss. Agr. Expt. Sta. Inform. Sheet 844, 4 p., map. Apr. 1964. 100 M69In  
U. S. Dept. of Agriculture, cooperating.

ARNOLD, B. L., and CROCKETT, S. P. Rye-grass silage compared with corn silage. Miss. Agr. Expt. Sta. Inform. Sheet 845, 1 p. Apr. 1964. 100 M69In

HARTWIG, E. E. Reinoculation of soybeans. Miss. Agr. Expt. Sta. Inform. Sheet 846, 2 p. Apr. 1964. 100 M69In

CULP, T. W. 1963 early harvesting tests with castorbeans. Miss. Agr. Expt. Sta. Inform. Sheet 847, 1 p. Apr. 1964. 100 M69In

PATE, T. L., and BRAZZEL, J. R. Resistance status of bollworms [*Heliothis zea*] and tobacco budworms [*Heliothis virescens*] in Mississippi in 1963. Miss. Agr. Expt. Sta. Inform. Sheet 848, 2 p. Apr. 1964. 100 M69In

BROADHEAD, D. M., and FREEMAN, K. C. Effects of fertilizer on yield and quality of sorgho for sirup. Miss. Agr. Expt. Sta. Inform. Sheet 849, 1 p. Apr. 1964. 100 M69In

SWITZER, G. L., and WELLS, O. O. Geographic seed origin and early performance of loblolly pine [*Pinus taeda*] on the Northeast Mississippi Experimental Forest. Miss. Agr. Expt. Sta. Inform. Sheet 850, 2 p. May 1964. 100 M69In

ESSIG, H. W., CHRISTIANS, C. J., and EDGAR, R. A. Fattening late crop lambs for fall market. Miss. Agr. Expt. Sta. Inform. Sheet 851, 2 p. May 1964. 100 M69In

DUA, P. N., and DAY, E. J. A comparison of Coastal Bermuda grass meal and alfalfa meal in broiler rations. Miss. Agr. Expt. Sta. Inform. Sheet 852, 2 p. May 1964. 100 M69In

BAKER, B., ABLE, B. V., and EDGAR, R. A. Ovum transfer in sheep. Miss. Agr. Expt. Sta. Inform. Sheet 853, 1 p. May 1964. 100 M69In

KRINARD, R. M. Weed control trials in cottonwood plantations. Miss. Agr. Expt. Sta. Inform. Sheet 854, 2 p. May 1964. 100 M69In

SANFORD, J. O., and others. Tillage practices for corn. Miss. Agr. Expt. Sta. Inform. Sheet 855, 2 p. May 1964. 100 M69In

R. R. Bruce, C. W. Doty, D. L. Myhre, and S. P. Crockett, joint authors.

MEREDITH, W. R., and others. Summer annual forage variety tests. Miss. Agr. Expt. Sta. Inform. Sheet 856, 2 p. May 1964. 100 M69In  
C. Y. Ward, C. B. Browning, J. W. Lusk, L. Walton, R. E. Coats, P. G. Hogg, R. C. Albritton, C. L. Blount and M. Sumrall, joint authors.

MISSISSIPPI farm research 27(8), 8 p. Aug. 1964. 100 M69Mi

#### Missouri Agricultural Experiment Station, Columbia

KROTH, E. M., and COLYER, D. Response of corn to nitrogen fertilization and plant population, Missouri tests, 1963. Mo. Agr. Expt. Sta. Spec. Rpt. 36, 15 p. Mar. 1964. 100 M693Sp

MISSOURI AGRICULTURAL EXPERIMENT STATION. Talks given at the first annual Ag Science Week, Feb. 4-7, 1964. Mo. Agr. Expt. Sta. Spec. Rpt. 37, 14 p. Apr. 1964. 100 M693Sp

STAUBER, S., and MILLER, F. Corn yield response to nitrogen fertilization and irrigation in southeastern Missouri, 1963. Mo. Agr. Expt. Sta. Spec. Rpt. 39, 11 p. Apr. 1964. 100 M693Sp  
U. S. Dept. of Agriculture, cooperating.

#### Montana Agricultural Experiment Station, Bozeman

SARGENT, R. L., DAVIDSON, J. R., and JONES, L. A. Availability of rural housing credit in Montana. Mont. Agr. Expt. Sta. B. 586, 44 p., map. June 1964. 100 M76  
U. S. Dept. of Agriculture, cooperating.

#### Nebraska Agricultural Experiment Station, Lincoln

DREIER, A. F., and others. Nebraska varietal tests of fall-sown small grains, 1964; winter wheat, winter barley, rye. Nebr. Agr. Expt. Sta. Outstate Testing C. 113, 24 p., map. Aug. 1964. 100 N27O  
J. W. Schmidt, O. D. Warnes and P. H. Grabouski, joint authors.

WHEAT abstracts 2(6):entries 2115-2617. June 1964. 241 N27W

WHEAT abstracts 2(7):entries 2618-3194. July 1964. 241 N27W

#### New Hampshire Agricultural Experiment Station, Durham

DREW, W. H. Trends and current characteristics in the United States apple market. N. H. Agr. Expt. Sta. Sta. B. 479, 36 p. Dec. 1963. 100 N45

GRINNELL, H. C. Public education in New Hampshire—an economic appraisal. N. H. Agr. Expt. Sta. Sta. B. 481, 26 p. Mar. 1964. 100 N45

HENRY, W. F., and BURBEE, C. R. Marketing New England poultry. 5. Effects of firm size and production density on assembly costs. N. H. Agr. Expt. Sta. Sta. B. 482, 62 p. Ref. Apr. 1964. 100 N45

Massachusetts Agricultural Experiment Station, and U. S. Dept. of Agriculture, cooperating.

BURBEE, C. R., and BARDWELL, E. T. Marketing New England poultry. 6. Economies of scale in hatching and cost of distributing broiler chicks. N. H. Agr. Expt. Sta. Sta. B. 483, 56 p. May 1964. 100 N45

Massachusetts Agricultural Experiment Station, and U. S. Dept. of Agriculture, cooperating.

SANBORN, B. G., and PEASE, C. M. Results of seeds tests for 1963. N. H. Agr. Expt. Sta. State Serv. Rpt. 11,20 p. Aug.1963. 100 N45St

North Carolina Agricultural Experiment Station, State College Station, Raleigh

HARDIN, J. W. North Carolina drug plants of commercial value. N. C. Agr. Expt. Sta. Tech. B. 418, rev., 34 p. Mar.1964. 100 N81

North Dakota Agricultural Experiment Station, State College Station, Fargo

CARTER, J. F. Alfalfa production in North Dakota. N. Dak. Agr. Expt. Sta. B. 448, 48 p., map. Ref. June 1964. 100 N813

HELLA, A. N., and STOA, T. E. Simulated hail injury to wheat and flax. N. Dak. Agr. Expt. Sta. Res. Rpt. 12,33 p. Ref. July 1964. 100 N813R

LOCKHART, W. C., and BRYANT, R. L. All-vegetable versus animal proteins in turkey grower diets. N. Dak. Agr. Expt. Sta. Res. Rpt. 13,16 p. Ref. Aug.1964. 100 N813R

Ohio Agricultural Experiment Station, Wooster

SHERMAN, R. W., PONDER, H., and KOO, Y. W. Cashier labor scheduling in supermarkets. Ohio. Agr. Expt. Sta. Res. C. 132, 10 p. July 1964. 100 Oh3R

Oregon Agricultural Experiment Station, Corvallis

HOLMES, O. W. A survey of private outdoor recreation facilities in rural areas of western Oregon. Ore. Agr. Expt. Sta. Spec. Rpt. 173, 28 p. Ref. Apr.1964. 100 Or3M

U. S. Dept. of Agriculture, cooperating.  
Not available for free distribution. Photocopies may be ordered from the Library.

EDWARDS, J. A. Beef imports and the U. S. beef cattle market. Ore. Agr. Expt. Sta. Spec. Rpt. 178, 28 p. 1964. 100 Or3M  
Not available for free distribution. Photocopies may be ordered from the Library.

Rhode Island Agricultural Experiment Station, Kingston

GRADY, E. R. The effect of the placement of surface cooking units on body mechanics. R. I. Agr. Expt. Sta. B. 376, 10 p. June 1964. 100 R34S

South Carolina Agricultural Experiment Station, Clemson

SOUTH CAROLINA, AGRICULTURAL EXPERIMENT STATION. South Carolina livestock and poultry statistics, State & county estimates, inventory numbers 1963-1964. S. C. Agr. Expt. Sta. AE 260, 17 p. June 1964. 281.9 C59  
U. S. Department of Agriculture, cooperating.

SOUTH CAROLINA, AGRICULTURAL EXPERIMENT STATION. The agriculture of Colleton County, South Carolina. S. C. Agr. Expt. Sta. AE 261, 19 p., map. June 1964. 281.9 C59  
U. S. Department of Agriculture, cooperating.

SOUTH CAROLINA, AGRICULTURAL EXPERIMENT STATION. South Carolina vegetable statistics, 1962 revised, 1963 preliminary. S. C. Agr. Expt. Sta. AE 262, 11 p., map. June 1964. 281.9 C59  
U. S. Department of Agriculture, cooperating.

SOUTH CAROLINA, AGRICULTURAL EXPERIMENT STATION. Annual report, 1962-1963. Research—the key to tomorrow. Clemson, 1963. 19 p., map. 100 So8

EDWARDS, A. D., and JONES, D. G. Housing in South Carolina; its socio-economic context. S. C. Agr. Expt. Sta. B. 511, 57 p., map. Apr. 1964. 100 So8

South Dakota Agricultural Experiment Station, Brookings

WAEELTI, H., and MOE, D. L. Selection of motor oil. S. Dak. Agr. Expt. Sta. C. 163, 7 p. June 1964. 100 So82

Tennessee Agricultural Experiment Station, Knoxville

FRIBOURG, H. A. Summer annual forage grasses for Tennessee. Tenn. Agr. Expt. Sta. B. 373, 36 p. Dec.1963. 100 T25S

TENNESSEE, AGRICULTURAL EXPERIMENT STATION. Seventh-sixth annual report, 1963. Knoxville, 1964. 46 p., map. 100 T25S

Texas Agricultural Experiment Station, College Station

DEWERTH, A. F. The response of garden roses to a planned planting and maintenance program. Tex. Agr. Expt. Sta. B.-1008, 8 p. 1962. 100 T31S

BATHKE, C. S., and BURSON, L. S. Mothers' attitude and satisfactions concerning teenage daughters' clothing. Tex. Agr. Expt. Sta. B.-1016, 11 p. Ref. May 1964. 100 T31S

GODFREY, C. L. A summary of the soils of the Blackland prairies of Texas. Tex. Agr. Expt. Sta. MP-698, 24 p., map. Ref. Feb.1964. 100 T31M



CLYMA, W. Artificial groundwater recharge by a multiple-purpose well. Tex. Agr. Expt. Sta. MP-712, 7 p. May 1964. 100 T31M  
U. S. Dept. of Agriculture, cooperating.

HATCH, R. E., and MOORE, D. S. Production and production requirements, costs and expected returns for cotton, grain sorghum and major fresh market vegetable crops on loam soils—lower Rio Grande Valley of Texas. Tex. Agr. Expt. Sta. MP-719, 55 p., map. June 1964. 100 T31M  
U. S. Dept. of Agriculture, cooperating.

SMITH, H. E. Sales, incentive payments and prices for Texas wool, 1962 marketing year. Tex. Agr. Expt. Sta. MP-722, 18 p., map. June 1964. 100 T31M

BRANSON, R. E., POWELL, G., and SHAFER, C. Analysis of a promotion test for south Texas onions. Tex. Agr. Expt. Sta. Prog. Rpt. 2309, 13 p. Apr. 27, 1964. 100 T31P

COCHRAN, B. J., and others. The effects of a petroleum mulch on the growth and development of cotton. Tex. Agr. Expt. Sta. Prog. Rpt. 2312, 12 p. June 9, 1964. 100 T31P  
L. H. Wilkes, G. A. Niles, D. I. Dudley, and E. L. Thaxton, joint authors.

DUDLEY, R. F., and HUDSPETH, E. B. Pitting and listing treatments on native shortgrass rangeland. Tex. Agr. Expt. Sta. Prog. Rpt. 2313, 7 p. June 9, 1964. 100 T31P  
U. S. Department of Agriculture, cooperating.

DOLLAHITE, J. W. Management of the disease produced in cattle on an unbalanced diet of mesquite beans. Tex. Agr. Expt. Sta. Prog. Rpt. 2314, 6 p., map. June 10, 1964. 100 T31P

#### Washington Agricultural Experiment Stations, Pullman

WASHINGTON, AGRICULTURAL EXPERIMENT STATION. 1964 research progress. Wash. Agr. Expt. Sta. Sta. C. 429, 72 p. 1964. 100 W27S

MICHALSON, E. L. Machinery costs and performance data for wheat-pea farm in the Palouse annual cropping region. Wash. Agr. Expt. Sta. Sta. C. 437, 8 p. July 1964. 100 W27S

#### West Virginia Agricultural Experiment Station, Morgantown

WEST VIRGINIA, AGRICULTURAL EXPERIMENT STATION. Science serves your farm and home. W. Va. Agr. Expt. Sta. B. 494, 8 p. June 1964. 100 W52

#### Wisconsin Agricultural Experiment Station, Madison

WISCONSIN, AGRICULTURAL EXPERIMENT STATION. What's new in farm science. Annual report, 2. Wis. Agr. Expt. Sta. B. 566, 80 p. Fall 1963. 100 W75

MAKAR, S. New concept for pollen trapping. Wis. Agr. Expt. Sta. B. 568, 7 p. July 1964. 100 W75

GERLOFF, G. C., MOORE, D. D., and CURTIS, J. T. Mineral content of native plants of Wisconsin. Wis. Agr. Expt. Sta. Res. Rpt. 14, 27 p. Ref. May 1964. 100 W75R

#### REGIONAL PUBLICATIONS

##### Southeastern Cooperative Series

FULLER, C. E. Grain movements in the South. South. Coop. Ser. B. 91, 34 p., map. Mar. 1964. 100 G29S0  
Agricultural Experiment Stations of Alabama, Arkansas, Georgia, Louisiana, Mississippi, North Carolina, and Tennessee; U. S. Tennessee Valley Authority, and U. S. Department of Agriculture, cooperating.

STATE AGRICULTURAL EXTENSION SERVICE  
PUBLICATIONS

Publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing extension service.

Material not available from the various State institutions may be obtained in microfilm or photoprint form from the National Agricultural Library for the cost of reproduction.

AUBURN University, Agricultural Extension Service,  
Auburn, Ala.

ANDREWS, O. N. Bahiagrass. Auburn U. Agr. Ext. C. 548,8 p.-folder. Apr.1963. 275.29 AL1C

ARIZONA University, Agricultural Extension Service,  
Tucson

ARIZONA. UNIVERSITY. AGRICULTURAL EXTENSION SERV. Arizona agriculture, 1964. Ariz. U. Agr. Ext. B. A-31,27 p. Jan.1964. 275.29 Ar42Bu  
Arizona Agricultural Experiment Station, co-operating.

ARIZONA. UNIVERSITY. AGRICULTURAL EXTENSION SERV. Arizona's common Bermuda for turfgrass. Ariz. U. Agr. Ext. Folder 102, 8 p.-folder. Mar.1964. 275.29 Ar42Ext  
Published jointly with Arizona Agricultural Experiment Station.

ARKANSAS University, Agricultural Extension Service,  
Little Rock

NESTER, R. P. Rice production in Arkansas. Ark. U. Agr. Ext. C. 476,rev.,35 p.,map. June 1964. 275.29 Ar4

BENZ, R. C. House plans for Arkansas residents. Ark. U. Agr. Ext. C. 510,rev.,42 p. May 1964. 275.29 Ar4

METZLER, G. F. Outdoor cookery. Ark. U. Agr. Ext. C. 517,17 p. Apr.1963. 275.29 Ar4

SANDERS, E. N. Improving group action. Ark. U. Agr. Ext. C. 518,21 p. Nov.1963. 275.29 Ar4

RANDOLPH, B. Yeast breads and rolls. Ark. U. Agr. Ext. C. 523,13 p. June 1964. 275.29 Ar4

WELLHAUSEN, H. W., WOODALL, W., and NESTER, R. P. Field crops seeding guide; fall, 1964, spring, 1965—varieties, rates, dates. Ark. U. Agr. Ext. L. 249,rev.,4 p.,map. June 1964. 275.29 Ar4Le  
Published jointly with Arkansas Agricultural Experiment Station.

TENNYSON, E. Decorator's bias tape cable cord. Ark. U. Agr. Ext. L. 278,rev.,6 p.-folder. June 1964. 275.29 Ar4Le

TENNYSON, E. Construction of lined draperies. Ark. U. Agr. Ext. L. 296,rev.,8 p.-folder. June 1964. 275.29 Ar4Le

BALL, J. K. Lawns and their care. Ark. U. Agr. Ext. L. 309,rev.,12 p.-folder. May 1964. 275.29 Ar4Le

NESTER, R. P. Nova rice. Ark. U. Agr. Ext. L. 359,5 p.-folder. Mar.1964. 275.29 Ar4Le

FLORIDA University, Agricultural Extension Service,  
Gainesville

FLORIDA. UNIVERSITY. AGRICULTURAL EXTENSION SERV. 1964-65 acreage-market-ing guides; Florida vegetables, with shipping patterns and competition in major cities. Gainesville, 1964. 40 p. 275.29 F66Foi

HAWAII University, Agricultural Extension Service,  
Honolulu

HAMILTON, R. A., and YEE, W. Momi K mango. Hawaii. U. Agr. Ext. C. 405,4 p. Apr. 1964. 275.29 H312Ac

IDAHO University, College of Agriculture, Extension  
Service, Moscow

IDAHO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Electricity for the 4-H scientist; safety, uses, economy. Division II, 4-H electric. Idaho. Agr. Col. Ext. B. 416,50 p. Jan.1964. 100 Id14

IDAHO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Electricity for the 4-H scientist; safety, uses, economy. Division III, 4-H electric. Idaho. Agr. Col. Ext. B. 417,50 p. Jan.1964. 100 Id14

IDAHO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Electricity for the 4-H scientist; safety, uses, economy. Division IV, 4-H electric. Idaho. Agr. Col. Ext. B. 418,50 p. Jan.1964. 100 Id14

NYSTROM, E. Machine magic; 4H clothing project, junior miss series. Idaho. Agr. Col. Ext. B. 421,12 p. Mar.1964. 100 Id14

IDAHO. UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Managing your money; a family plan. Idaho. Agr. Col. Ext. B. 426,12 p. Aug.1964. 100 Id14

ILLINOIS University, Extension Service in Agriculture  
and Home Economics, Urbana

KRAUSZ, N. G. P., and LEMON, L. G. Laws and regulations concerning recreation in rural areas of Illinois. Ill. U. Agr. Ext. C. 889,32 p. Ref. June 1964. 275.29 IL62C

HOLCOMB, J. M., and SCHWART, R. B. Using agricultural credit. Ill. U. Agr. Ext. C. 890, 16 p. July 1964. 275.29 IL62C

MUELLER, A. G., and WILKEN, D. F. 39th annual summary of Illinois farm business records, 1963; commercial farms: production, costs, income, investment. Ill. U. Agr. Ext. C. 891,24 p.,map. Aug.1964. 275.29 IL62C

KANSAS State University of Agriculture and Applied  
Science, Extension Service, Manhattan

KING, C. L. Shade tree diseases. Kans. State U. Agr. Ext. C. 310,8 p. June 1964. 275.29 K13Ex

KENTUCKY University, Agricultural Extension Service,  
Lexington

CORDER, G. D., and MILLER, H. F. Farm manures; production—value—use. Ky. U. Agr. Ext. C. 593,10 p. May 1964. 275.29 K415



WOODRUFF, L., and BENSON, P. Sharpen your shopping skills. Ky. U. Agr. Ext. C. 594, 12 p. June 1964. 275.29 K415

LOUISIANA State University and Agricultural and Mechanical College, Agricultural Extension Service, University Farm, Baton Rouge

ROARK, F., and HODGKINS, B. J. The fit of your garment. La. U. Agr. Ext. P. 1377, 4 p. Apr. 1964. 275.29 L93Ep

MARYLAND University, Extension Service, College Park

CREEK, R. D. Efficient breeder rations for chickens. Md. U. Ext. Fact Sheet 140, rev., 3 p. July 1964. 275.29 M36Fa

MASSACHUSETTS University, Agricultural Extension Service, Amherst

MARCH, R. P., FURRY, R. B., and LAYER, J. W. Requirements and recommendations for milk houses with bulk tanks. Mass. U. Agr. Ext. P. 413, 12 p. Oct. 1963. 275.29 M381L

MICHIGAN State University of Agriculture and Applied Science, Cooperative Extension Service, East Lansing

KYLE, L. R. Changes in cash income and expenses; from 1961 to 1962 for 935 identical farms, Michigan Mail-In Account Project. Mich. State U. Ext. A. E. 905, 13 p., map. 1963? 275.29 M581

MICHIGAN, STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, COOPERATIVE EXTENSION SERV. A summary of presentations and discussion, State Advisory Committee Meeting for the Mass Management Educational Program sponsored by the Kellogg Foundation. Mich. State U. Ext. A. E. 926, 22 p. 1963. 275.29 M581

MICHIGAN, STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, COOPERATIVE EXTENSION SERV. A summary of presentations and discussion, National Advisory Committee for the Experimental Mass Management Educational Program sponsored by the Kellogg Foundation. Mich. State U. Ext. A. E. 927, 32 p. 1963. 275.29 M581

MICHIGAN, STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, COOPERATIVE EXTENSION SERV. Current research in agricultural economics. Mich. State U. Ext. A. E. 930, 57 p. Sept. 1963. 275.29 M581

MICHIGAN, STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE, COOPERATIVE EXTENSION SERV. A summary of presentations and discussion, State Advisory Second Committee Meeting for the Mass Management Educational Program sponsored by the Kellogg Foundation. Mich. State U. Ext. A. E. 933, 13 p. 1963. 275.29 M581

MISSISSIPPI State University of Applied Arts and Sciences, Agricultural Extension Service, State College

HINES, C., BENNETT, A. G., and YOUNG, D. F. Pecan insect and disease control in commercial orchards. Miss. State U. Agr. Ext. P. 461, 10 p. Mar. 1964. 275.29 M68Ext

BURGESS, C., and BAKER, G. Choosing and using your automatic washer. Miss. State U. Agr. Ext. P. 498, 9 p. Jan. 1964. 275.29 M68Ext

SARTOR, J. 4-H career exploration for members. Miss. State U. Agr. Ext. P. 501, 24 p. Feb. 1964. 275.29 M68Ext

SARTOR, J. 4-H career exploration for leaders. Miss. State U. Agr. Ext. P. 502, 24 p. Ref. Feb. 1964. 275.29 M68Ext

SARTOR, J. 4-H career exploration for agents. Miss. State U. Agr. Ext. P. 503, 10 p. Ref. Feb. 1964. 275.29 M68Ext

MCKIE, J. W. Production of soybeans. Miss. State U. Agr. Ext. P. 504, 8 p. Feb. 1964. 275.29 M68Ext

FORTENBERRY, F., and MCVEY, J. L. Electricity; your helper, book 2. Miss. State U. Agr. Ext. P. 505, 40 p. Apr. 1964. 275.29 M68Ext

RICHMOND, W. L., and MONROE, L. L. Feeder pigs. Miss. State U. Agr. Ext. P. 506, 6 p., folder, map. Apr. 1964. 275.29 M68Ext

COX, W. T. Light condition your home. Miss. State U. Agr. Ext. P. 507, 8 p. Apr. 1964. 275.29 M68Ext

BURGESS, C., and BAKER, G. Choosing and using your refrigerator. Miss. State U. Agr. Ext. P. 508, 11 p. May 1964. 275.29 M68Ext

BURGESS, C., and BAKER, G. Choosing and using your household range. Miss. State U. Agr. Ext. P. 509, 16 p. May 1964. 275.29 M68Ext

ANDERSON, K. L., and THOMPSON, W. R. Facts about fertilizers for profitable farming. Miss. State U. Agr. Ext. P. 510, 12 p. May 1964. 275.29 M68Ext

ROBERTSON, R. R. Quality timber; a product of management. Miss. State U. Agr. Ext. P. 511, 6 p., folder. May 1964. 275.29 M68Ext

MISSISSIPPI STATE UNIVERSITY OF APPLIED ARTS AND SCIENCES, AGRICULTURAL EXTENSION SERV. Putting research to work; 1963 annual report, Cooperative Extension Service, Mississippi State University. Miss. State U. Agr. Ext. P. 512, 23 p. June 1964. 275.29 M68Ext

MISSOURI University, College of Agriculture, Extension Service, Columbia

ALEXANDER, A. M. Plan and plant for beauty. Mo. Agr. Col. Ext. 4-H C. 196, 12 p. Sept. 1963. 275.29 M69B

ALEXANDER, A. M. Your home—make it beautiful. Mo. Agr. Col. Ext. 4-H C. 199, 11 p. Feb. 1964. 275.29 M69B

MISSOURI UNIVERSITY, COLLEGE OF AGRICULTURE, EXTENSION SERV. Missouri agricultural outlook, 1964. Columbia, 1964. 33 p. 275.29 M69Fo

MONTANA State College, Extension Service, Bozeman

MARKS, R. T. Trees and shrubs for Montana. Mont. State Col. Ext. B. 323, 65 p., map. Oct. 1963. 275.29 M76C

OKLAHOMA State University of Agriculture and Applied Science, Agricultural Extension Service, Stillwater

LEWIS, E. Planning electrical outlets in the home. Okla. State U. Agr. Ext. C. E-719, 12 p. Aug. 1964. 275.29 Ok41C

SOUTH DAKOTA State College of Agriculture and Mechanic Arts, Extension Service, Brookings

HELFINSTINE, R. D. Farming in the Oahe area; irrigation, dryland. S. Dak. State Col. Agr. Ext. C. 630, 19 p., map. July 1964. 275.29 So85

SOUTH DAKOTA. STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS. EXTENSION SERV. Beef marketing costs and margins. S. Dak. State Col. Agr. Ext. F.S. 209,6 p.-folder. July 1964. 275.29 So85Fs

SCHMER, F. A. Things to know before contracting for irrigation well construction. S. Dak. State Col. Agr. Ext. F.S. 210,6 p.-folder. July 1964. 275.29 So85Fs

VIRGINIA Polytechnic Institute, Agricultural Extension Service, Blacksburg

HUDSON, D. E., and others. Lima beans. Va. Polytech. Inst. Agr. Ext. C. 680, rev., 4 p. June 1964. 275.29 V81C

A. V. Watts, F. H. Scott, and F. D. Schales, joint authors.

HUDSON, D. E., and others. Muskmelons. Va. Polytech. Inst. Agr. Ext. C. 696, rev., 4 p. June 1964. 275.29 V81C

A. V. Watts, F. H. Scott, and F. D. Schales, joint authors.

HUDSON, D. E., and others. Cucumbers. Va. Polytech. Inst. Agr. Ext. C. 715, rev., 4 p. June 1964. 275.29 V81C

A. V. Watts, F. H. Scott, and F. D. Schales, joint authors.

ERDMAN, L. M. Coordinating patterns and fabrics. Va. Polytech. Inst. Agr. Ext. C. 951, 4 p. July 1964. 275.29 V81C

SHOULDERS, J. F., and SMITH, E. S. Harvesting corn for silage; here's when, here's how. Va. Polytech. Inst. Agr. Ext. L. 153, rev., 2 p. July 1964. 275.29 V81L

WASHINGTON State University, Extension Service, Pullman

LIGGETT, E. P. Summary of family living expenses of eighty-six Washington families. Wash. State U. Agr. Ext. Ext. Mimeo. 2259, rev., 9 p., n.p. May 1964. 275.29 W27Mi

WORKING, E. J. What about the 1964 wheat program; implications for Washington. Wash. State U. Agr. Ext. Ext. Mimeo. 2273, 8 p. Apr. 1963. 275.29 W27Mi

TURNER, D. O. Skamania County outlying testing results on alfalfa fertilization, 1959-1962. Wash. State U. Agr. Ext. Ext. Mimeo. 2292, 8 p., map. Apr. 1963. 275.29 W27Mi

HOBSON, K. Wheat price possibilities in the years ahead; outlook for Washington farms. Wash. State U. Agr. Ext. Ext. Mimeo. 2293, 14 p. Apr. 1963. 275.29 W27Mi

PERRYMAN, C., and others. Economics of milk production in Grays Harbor and Lewis Counties of Washington for three herd sizes and three hay feeding programs. Wash. State U. Agr. Ext. Ext. Mimeo. 2301, 41 p. May 1963. 275.29 W27Mi

H. Fletcher, A. Cagle, R. Roffler, and H. Weyrich, joint authors.

PATTISON, A., and ECKBLAD, I. A mobile demonstration cabinet. Wash. State U. Agr. Ext. Ext. Mimeo. 2308, 4 p. June 1963. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: chicken meat—U.S. (48). Wash. State U. Agr. Ext. Ext. Mimeo. 2323, 2 p. Sept. 1963. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: chicken meat—Washington. Wash. State U. Agr. Ext. Ext. Mimeo. 2324, 2 p. Sept. 1963. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. International farm youth exchange; this is Greece. Wash. State U. Agr. Ext. Ext. Mimeo. 2326, 2 p., map. Aug. 1963. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. International Farm Youth Exchange; this is the Netherlands. Wash. State U. Agr. Ext. Ext. Mimeo. 2327, 2 p., map. Aug. 1963. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: chicken eggs—Washington. Wash. State U. Agr. Ext. Ext. Mimeo. 2330, 2 p. Aug. 1963. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: chicken eggs—U.S. (48). Wash. State U. Agr. Ext. Ext. Mimeo. 2331, 2 p. Aug. 1963. 275.29 W27Mi

HOBSON, K. Wheat prices in 1964—how to forecast them; how to insure them. Wash. State U. Agr. Ext. Ext. Mimeo. 2332, 2 p. Aug. 1963. 275.29 W27Mi

FRANKLIN, E. R., and REHBERG, W. A. Should we have fruit and vegetable processing in our county? Wash. State U. Agr. Ext. Ext. Mimeo. 2333, 5 p. Aug. 1963. 275.29 W27Mi

DORAN, S., and CROW, K. Electric project, Unit IV; safe and efficient use of electricity. Wash. State U. Agr. Ext. Ext. Mimeo. 2353, various paging. Nov. 1963. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: wheat. Wash. State U. Agr. Ext. Ext. Mimeo. 2357, 2 p. Nov. 1963. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Control of insects of field corn. Wash. State U. Agr. Ext. Ext. Mimeo. 2360, 3 p. Jan. 1964. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Grapes, central and eastern Washington. Wash. State U. Agr. Ext. Ext. Mimeo. 2365, 1 p. Jan. 1964. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: strawberries. Wash. State U. Agr. Ext. Ext. Mimeo. 2367, 1 p. Jan. 1964. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. 4-H dairy products demonstration program sponsored by Washington Dairy Products Commission, 1107 N. E. 45th Street, Seattle, Washington. Wash. State U. Agr. Ext. Ext. Mimeo. 2372, 3 p. Jan. 1964. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. 4-H dairy products demonstration program, score card for judging demonstrations. Wash. State U. Agr. Ext. Ext. Mimeo. 2373, 1 p. Jan. 1964. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. 4-H dairy products demonstration program, county report. Wash. State U. Agr. Ext. Ext. Mimeo. 2374, 1 p. Jan. 1964. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: apples. Wash. State U. Agr. Ext. Ext. Mimeo. 2376, 2 p. Feb. 1964. 275.29 W27Mi

WASHINGTON. STATE UNIVERSITY. AGRICULTURAL EXTENSION SERV. Washington State commodity data sheet: peaches. Wash. State U. Agr. Ext. Ext. Mimeo. 2377, 2 p. Feb. 1964. 275.29 W27Mi



WASHINGTON, STATE UNIVERSITY. AGRI-CULTURAL EXTENSION SERV. Washington State commodity data sheet: apricots. Wash. State U. Agr. Ext. Ext. Mimeo. 2378,2 p. Feb. 1964. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. AGRI-CULTURAL EXTENSION SERV. Washington State commodity data sheet: sour cherries. Wash. State U. Agr. Ext. Ext. Mimeo. 2392,2 p. Mar. 1964. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. AGRI-CULTURAL EXTENSION SERV. Ten commandments for the camp instructors and counselors. Wash. State U. Agr. Ext. Ext. Mimeo. 2394,1 p. Mar. 1964. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. AGRI-CULTURAL EXTENSION SERV. Guide for selecting 4-H camp counselors. Wash. State U. Agr. Ext. Ext. Mimeo. 2395,2 p. Mar. 1964. 275.29 W27Mi

ANDREWS, D. K. 4-H poultry judging series. Wash. State U. Agr. Ext. Ext. Mimeo. 2403, 20 p. Apr. 1964. 275.29 W27Mi

WASHINGTON, STATE UNIVERSITY. AGRI-CULTURAL EXTENSION SERV. Washington State commodity data sheet: onions, late summer. Wash. State U. Agr. Ext. Ext. Mimeo. 2405,2 p. Apr. 1964. 275.29 W27Mi

CAGLE, A. J. Voluntary wheat program, 1964: wheat program arithmetic, example and guides for Washington summer fallow farms. Wash. State U. Agr. Ext. Ext. Mimeo. 2407,7 p. Apr. 1964. 275.29 W27Mi

CAGLE, A. J. Voluntary wheat program, 1964: wheat program arithmetic, example and guides for Washington wheat-pea farms. Wash. State U. Agr. Ext. Ext. Mimeo. 2408,7 p. Apr. 1964. 275.29 W27Mi

WISCONSIN University, College of Agriculture, Extension Service, Madison

PRICE, W. V., DEAN, M., and OLSON, N. F. Handbook on lactic starter. Wis. Agr. Col. Ext. C. 383,rev.,36 p. May 1964. 275.29 W75C

WISCONSIN, UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION SERV. Vegetables in our meals. Wis. Agr. Col. Ext. C. 629,rev., 32 p. May 1964. 275.29 W75C

ARCHBOLD, L. Manage your meat money. Wis. Agr. Col. Ext. Spec. C. 88,6 p.-folder. May 1964. 275.29 W75S

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Includes publications received in the Library during the preceding month.

ANGLADETTE, A. Rice drying principles and techniques. Food Agr. Organ. U.N. Land Water Develop. Div. Inform. Working Bull. 23,73 p. Ref. [1963?] 290.9 F732

CURRENT food additives legislation 74,14 p. May 31,1964. 241.64 F732

EIDT, D. C. Report to the Government of Nigeria on a survey of insect pests of indigenous trees in plantations and nurseries. Food & Agr. Organ. United Nations. Expanded Tech. Asst. Program. FAO Rpt. 1775,64 p. 1963. 281.9 F733E

FAO LIBRARY list of recent accessions, Mar. 1964,33 p. 241 F7322

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Animal health yearbook, 1963. Rome, 1964. 343 p.,map. 41.9 F732A

Text of introduction in French, p.2, and in Spanish, p.3; table headings in English, French, Spanish, and Latin.

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. National development efforts. Freedom Hunger Campaign. Basic Study 13,67 p. May 1963. 389 F872

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Rearing and capitalizing of tractors. Food Agr. Organ. U.N. Land Water Develop. Div. Inform. Working Bull. 25, 46 p. Ref. [1963?] 290.9 F732

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Tillage and seeding practices and machines for crop production in semi-arid areas. Food Agr. Organ. U.N. Land Water Develop. Div. Inform. Working Bull. 8,rev.,31 p. Ref. [1963?] 290.9 F732

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. SECRETARIAT. Food aid and other forms of utilization of agricultural surpluses; a review of programs, principles and consultations. Food & Agr. Organ. United Nations. FAO Comm. Policy Studies 15,55 p. 1964. 281.9 F733C

GEORGE, R. W. Report to the Government of Aden on the crawfish resources of Eastern Aden Protectorate. Food & Agr. Organ. United Nations. Expanded Tech. Asst. Program. FAO Rpt. 1696,23 p.,map. June 1963. 281.9 F733E

HARDY, E. A. Report to the Government of Ceylon on the Technical Training Institute of the Gal Oya Development Board. Food & Agr. Organ. United Nations. Expanded Tech. Asst. Program. FAO Rpt. 1624,13 p. 1963. 281.9 F733E

HERPICH, R. L. Water control, tillage and seeding practices and machines for crop production under irrigation. Food Agr. Organ. U. N. Land Water Develop. Div. Inform. Working Bull. 7,rev.,50 p. Sept. 1963. 290.9 F732

HOEK, F. H. Report to the Government of India on the training and production centre for hide flaying, curing, leather utilization and by-product processing, Bakshi-Ka-Talab, Lucknow. Food & Agr. Organ. United Nations. Expanded Tech. Asst. Program. FAO Rpt. 1621, 14 p. 1963. 281.9 F733E

KOROTKY, L. L. Rapport sur la statistique agricole du Mali [Report on the agricultural statistics of Mali]. Food & Agr. Organ. United Nations. Expanded Tech. Asst. Program. FAO Rpt. 1623,12 p. 281.9 F733E

MONTHLY bulletin of agricultural economics and statistics 13(6),41 p. June 1964. 251 F73Mb

NASSET, E. S. Report to the Government of India on food and nutrition programmes. Food & Agr. Organ. United Nations. Expanded Tech. Asst. Program. FAO Rpt. 1607,5 p. 1963. 281.9 F733E

QUAYLE, J. R. Informe al Gobierno de Chile: programa de produccion lechera [Report to the Government of Chile: dairy production program]. Food & Agr. Organ. United Nations. Expanded Tech. Asst. Program. FAO Rpt. 1612, 19 p. 1963. 281.9 F733E

RUMICH, B. Rapport au Gouvernement du Burundi sur amelioration de la production des terres pastorales [Report to the Government of Burundi on improvement of production of pasture lands]. Food & Agr. Organ. United Nations. Expanded Tech. Asst. Program. FAO Rpt. 1575, 18 p., map. 1963. 281.9 F733E

SCHNEIDER, J. B. Informe al Gobierno de Venezuela sobre la comercializacion de los productos agropecuarios y las politicas de precios [Report to the Government of Venezuela on the marketing of agricultural products and price policies]. Food & Agr. Organ. United Nations. Expanded Tech. Asst. Program. FAO Rpt. 1690, 7 p. 1963. 281.9 F733E

TIMBER bulletin for Europe 17(1), 77 p. 1964. 99.9 F73T

Production, trade and price statistics January-March, 1963 and 1964; market review to 31 May, 1964.

WORLD CONSULTATION ON FOREST GENETICS AND TREE IMPROVEMENT, STOCKHOLM, 1963. Proceedings, v. 1. Rome, 1963. various paging. (Food and Agriculture Organization of the United Nations. FAO/FORGEN-63) 99.9 W894





UNITED STATES DEPARTMENT OF AGRICULTURE  
NATIONAL AGRICULTURAL LIBRARY  
WASHINGTON 25, D.C.  

---

OFFICIAL BUSINESS

POSTAGE AND FEES PAID  
U. S. DEPARTMENT OF AGRICULTURE



# BIBLIOGRAPHY OF AGRICULTURE



NATIONAL AGRICULTURAL LIBRARY  
U.S. DEPARTMENT OF AGRICULTURE





## BIBLIOGRAPHY OF AGRICULTURE

Vol. 28

December 1964

No. 12

The Bibliography of Agriculture is an index to the literature of agriculture and the allied sciences received in the National Agricultural Library. Publications from any country are indexed, provided they are in one of the languages shown in CAPITALS at bottom of this column, or have summaries or abstracts in one of those languages.

Literature received more than one year after publication is generally not indexed. Exceptions are made for important scientific publications.

Indexing of articles on the processing of agricultural products is limited to those on primary processing.

Unsigned articles and those signed with pseudonyms or initials, editorials, letters to the editor, and columns appearing regularly, are omitted.

### FORMAT

The Bibliography is a classified arrangement of references under the following subjects:

Plant Science  
Soils and Fertilizers  
Forestry  
Animal Industry  
Entomology  
Agricultural Engineering  
Agricultural Products  
Agricultural Economics and  
Rural Sociology  
Food and Human Nutrition  
Miscellaneous

The classified section is followed by the listing of:

New Periodicals and Serials  
Translations  
USDA Publications  
State Agricultural Experiment  
Station Publications  
State Agricultural Extension  
Service Publications  
Food and Agriculture Organization  
of the UN (FAO) Publications

The last section of each monthly issue is the Personal and Organizational index for that issue.

Foreign language titles of articles in serial publications are given in English only. The language of the text is shown in abbreviated form in parentheses at the end of the title. The following notations are used:

(Af)	Afrikaans	(Ic)	Icelandic
(Al)	Albanian	(In)	Indonesian
(Ara)	Arabic	(It)	ITALIAN
(Arm)	Armenian	(Ja)	JAPANESE
(Az)	Azerbaijani	(Ka)	Kazakh
(Be)	Belorussian	(Ko)	KOREAN
(Bu)	Bulgarian	(La)	Latvian
(Bur)	Burmese	(Li)	Lithuanian
(Ch)	CHINESE	(No)	NORWEGIAN
(Cz)	CZECH	(Pe)	Persian
(Da)	DANISH	(Pol)	POLISH
(Du)	DUTCH	(Por)	PORTUGUESE
(Es)	Estonian	(Rum)	Rumanian
(Fi)	Finnish	(Rus)	RUSSIAN
(Fl)	Flemish	(Se)	SERBO-CROATIAN
(Fr)	FRENCH	(Si)	Siamese
(Ge)	GERMAN	(Sl)	Slovenian
(Geo)	Georgian	(Sp)	SPANISH
(Gre)	Greek	(Sw)	SWEDISH
(He)	Hebrew	(Ta)	Tadzhik
(Hi)	Hindi	(Tu)	Turkish
(Hu)	HUNGARIAN	(Uk)	UKRAINIAN

For monographs the title is shown in the original language, followed by the English version.

Abbreviated names of the publications cited prior to July 1, 1964 are those from USDA Miscellaneous Publication 765—List of Serials Currently Received in the Library of the United States Department of Agriculture, July 1, 1957. Abbreviated names of all new periodical titles received after July 1, 1964, are taken from the American Standard for Periodical Title Abbreviations. As time allows, abbreviations set up for titles before that date will be converted to the new form.

The presence of the term "Ref." in the citation indicates that the article contains ten or more references to the literature.

Following each citation is the Library classification number which should be used when requesting loans or reproduction of articles.

### FREQUENCY OF PUBLICATION

The Bibliography is published monthly. The December issue is devoted wholly to a subject index and the cumulated Personal and Organizational index to the preceding eleven issues.

### AVAILABILITY OF REFERENCES CITED

Loans. Most of the material in the National Agricultural Library collection may be borrowed by employees of the Department of Agriculture and by other libraries. In requesting loans, please include the library call number found at the end of the citation. Loan of periodicals is restricted to the Washington, D. C. area. Foreign statistical publications and rare books are loaned only by special arrangement.

Free Distribution. Most of the printed publications of the Department of Agriculture and publications issued by the State Experiment Stations and the State Agricultural Extension Services, listed in this issue, may be obtained free of charge by applying direct to the issuing agency. The National Agricultural Library does not distribute them.

Reproduction. All articles listed may be obtained in microfilm or photoprint form from the National Agricultural Library. Copying charges for each periodical article or book are:

MICROFILMS: \$1.00 for each 30 pages or fraction copied from a single article or book.

PHOTOPRINTS: \$1.00 for each 4 pages or fraction copied from a single article or book.

RUSH SERVICE will be furnished upon payment of \$1.00 additional for each order.

Payment must accompany the order. Cash, Library coupons, check or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside of the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Superintendent of Documents coupons and requests to furnish photocopy to be paid from Superintendent of Documents Deposit funds cannot be honored. Credit may be extended only to Government agencies and institutions. Billing address should be indicated.

Library Coupons. National Agricultural Library coupons, valued at \$1.00 each, may be purchased in any quantity.

For sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.  
\$12.00 per year, domestic; \$15.50 per year, foreign. Single copies vary in price.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (March 31, 1964)

# BIBLIOGRAPHY OF AGRICULTURE

Compiled in the Division of Indexing and Documentation  
John B. Forbes, Chief

## Bibliographers

Elisabeth B. Burch  
Larry Calyn  
Stephen Cica  
Helene G. Cushman  
Elizabeth M. Dolina  
Elinor E. Dunnigan  
Mary Louise Engel  
Helene M. Gingras

Eli Hareide  
Helen E. Hennefrund  
Ruth M. Madsen  
Mortimer L. Naftalin  
Signe R. Ottersen  
Peter B. Schroeder  
Otto Wilkins  
Maria Z. Woroniak

Because of an error in numbering, the citation numbers 26743--27642 are duplicated in the March and April issues for 1964.

Readers are therefore warned that these numbers in the Personal name index may refer to citations in either the March or April issues.

In the Subject and Organizational Indexes, the numbers 26743--27642 refer to citations in the March issue, and the numbers 26743a--27642a to numbers in the April issue.



## BIBLIOGRAPHY OF AGRICULTURE

Vol. 28

1964

### CONTENTS

Plant Science	1----2087	8544---11161	Agricultural Products: Processing, Distribution, and Statistics	5973---7571	15360---16524
17493---20362	26743---29429	36602---39632	24308---26394	33950---35406	43873---45400
46688---49576	57412---60056	67677---70227	54068---56003	64710---66321	74289---75927
77127---79919	88109---90785	98706---101632	84747---86549	96082---97533	106538---107998
Soils and Fertilizers	2088---2688	11162---11874	Agricultural Economics and Rural Sociology	7572---8311	16525---17203
20363---21041	29430---30082	39633---40388	26395---27281	35407---36303	45401---46428
49577---50438	60057---60826	70228---70897	56004---57067	66322---67392	75928---76842
79920---80785	90786---91421	101633---102369	86550---87730	97534---98337	107999---108909
Forestry	2689---3025	11875---12462	Food and Human Nutrition	8312---8365	17204---17242
21042---21723	30083---30748	40389---41188	27282---27359	36304---36378	46429---46488
50439---51373	60827---61598	70898---71596	57068---57152	67393---67464	76843---76891
80786---81623	91422---91782	102370---103073	87731---87817	98338---98415	108910---108973
Animal Industry	3026---4622	12463---13904	Miscellaneous	8366---8543	17243---17491
21724---23017	30749---32571	41189---42341	27360---27636	36379---36601	46489---46687
51374---52675	61599---63362	71597---73032	57153---57411	67465---67676	76892---77126
81624---83117	91783---93923	103074---104951	87818---88108	98416---98705	108974---109278
Entomology	4623---5636	13905---15004	New Periodicals and Serials		
23018---23969	32572---33518	42342---43392	Translations		
52676---53598	63363---64295	73033---73908	United States Department of Agriculture Publications		
83118---84237	93924---95683	104952---106167	State Agricultural Experiment Station Publications		
Agricultural Engineering	5637---5972	15005---15359	State Agricultural Extension Service Publications		
23970---24307	33519---33949	43393---43872	Food and Agriculture Organization of the United Nations		
53599---54067	64296---64709	73909---74288	PERSONAL NAME AND ORGANIZATIONAL INDEXES		
84238---84746	95684---96081	106168---106537			





A	ITEM	ABDULLAEV I K	ITEM	ABOUL-ELA M M	ITEM	ACHREMONICZ J	ITEM	ADAMS K A	ITEM
		--CONT	9543 49535	--CONT	59345	73699	73699	ADAMS L E	40867
AA F B VAN DER	96551	ABDULLAEVA T YU	9939	ABOYAN A V	104801	60542	60542	ADAMS M	57750
AA R VON DER	13661	ABDULLAH M	5117 42957	ABPLANALP H	4042	48527	48527	ADAMS M F	27283
AAB H R	20952		73550 105601	ABRAHAM A	22486 93285	7552	7552	ADAMS M S	21639
AAFJES J H	3511	ABDULLIN M G	93168	ABRAHAM C	42847 98612	45375	45375	ADAMS M V	106024
AAHEIM R	40618	ABDURAGIMOV T A	50217	ABRAHAM J	22464	87731	87731	ADAMS M W	758
AALDEERS L E	27690	ABDURAKHMAK N A	26733	ABRAHAM R H	27068	20273	20273	ADAMS N H	7824
AALL N F	17302	ABDURAKHMANOV A	33669	ABRAHAM T A	60189	8787	8787	ADAMS O R	82438
AALTIO E A	2976	ABDURAKHMANOV M K	46109	ABRAHAM T P	11446	44821	44821	ADAMS P	98892
AALTONEN V T	50689	ABDURAKHMANOV S G	101168		42561	7339	7339	ADAMS P A	5600
AAM A	104065	ABDURASHITOV S	80247	ABRAHAMS V C	72548	55699	55699	ADAMS P B	57864
AAMISEPP A	101452	ABDURASHITOV S A	107638	ABRAHAMSEN M A	8150	74316	74316	ADAMS R	63077
AAMO E S	36050	ABDURAZAKOV A V	81922	ABRAM I	41255	73037	73037	ADAMS R E	37514
AAMODT H	40112	ABDURAZAKOV V A	2068	ABRAMCHUK A	49400	40140	40140	ADAMS R F	16208
AANDAH A R	80142	ABDUSHUKUROVA R A	47701	ABRAMIDES E	10628	66402	66402	ADAMS R S	2845
AANES W A	52095	ABDUSSALAM M	22203	ABRAMOV A L	5771	76100	76100	ADAMS S N	100088
AANONSEN A	43796	ABE H	25115	ABRAHAMSSON J	41477	49069	49069	ADAMS T C	71379
	68659		62254	ABRAHAMSSON S	5217	2624	2624	ADAMS V	35626
AARESTRUP J	30196	ABE I	18989	ABRAMOV I I	57412	7572	7572	ADAMS V E	86944
AARON E	100765		41143 68660	ABRAMOV I V	92376	82372	82372	ADAMS W E	48280
AARON J R	61352	ABE K	41737	ABRAMOV L P	92493	57123	57123		90110
AARON T D	44389		56924	ABRAMOV L S	76892	6531	6531	ADAMS W R	71470
AARONSQHN A	78048	ABE M	28544	ABRAMOV M D	10017	81806	81806	ADAMS W V	103324
AARTSEN V	64174		30143 30227	ABRAMOV N A	101108	84707	84707	ADAMSE T T	63231
AAS K	69809	ABE N	78891	ABRAMOV N G	101456	16266	16266	ADAMSKI I	66541
AAS N	43089	ABE O	92978	ABRAMOV SH A	96252	70236	70236	ADAMSKI Z	41141
AAS T G	30347	ABE Q	93042	ABRAMOVA A L	57412	A	A	ADAMUS M	49953
AASAR S EL	102105	ABE R	108779	ABRAMOVA K A	49401	ACKONE P	ACKONE P	ADANSON M	8765
AASTVEIT K	27659	ABE S	19937	ABRAMOVA M A	26314	ACOSTA C J	ACOSTA C J	ADATI S	58755
AAVATSMARK	80786	ABE S	19937	ABRAMOVA M M	20367	ACOSTA-SOLIS G	ACOSTA-SOLIS G	ADAVAL S C	59429
AAVATSMARK I	40390	ABE S	19937	ABRAMOVA T G	88959	ACQUAYE D K	ACQUAYE D K	ADAY B A	20125
ABABEI V	72257	ABE T	78338	ABRAMOVICH D I	46688	ACREE F	ACREE F	ADBEEL-NABI H	47426
ABAD-GAHIN M	93838	ABE Y	10266	ABRAMOVICH K K	51040	4630	4630	ADBEEL-NABI H	55386
ABAEV N A	59268	ABEDI Z H	83207	ABRAMOVITCH R A	12400	4761	4761	ADCOCK D	38849
ABAGIU P	71336	ABEDINE A Z EL	102105	ABRAMOWICZ M	2504	45258	45258	ADCOCK W L	66184
ABAGIU R	27174	ABELEN J H F VAN	62646	ABRAMS R	9544	80461	80461	ADCOCK W N	4551
ABAGYAN A	16767	ABEELS P	2696	ABRAMS R L	11109	11169	11169	ADDICKS J	100089
ABAKUMOV I A	2006	ABEGG H	109058	ABRAMS T M	2977	107427	107427	ADDICOTT F T	100139
ABALOS J W	42529	ABEIJON VELOSO J	57863	ABRAMSON E	87795	4116	4116	ADDELBURG J W	74229
ABARCA V	72899		55220	ABRAMSON J	103609	28609	28609	ADDELMAN A D	82160
ABARCA-RUANO M	14894	ABEIJON VELOSO J	57863	ABRAMSONE	27282	101692	101692	ADDELMAN D	82791
ABARIENTOS E P	76229	ABEL A L	2007	ABRETCSEN R	61959	ADACHI M	ADACHI M	ADELAAR T F	31016
ABASCAL J M	46210	ABEL G H	58475	ABREGO L	77634	ADACHI T	ADACHI T		103886
ABBADESSA R	14586	ABEL H	45429	ABRELL J W	96820	ADAIKIN P V	ADAIKIN P V	ADELHELM R	66465
ABBADY H H	31986	ABEL K	9637	ABREU F M M DE	75620	ADAIR C R	ADAIR C R	ADELI E	94450
ABBAS A	88458	ABEL M	94036	ABREU M M M DE A	5218	41804	41804	ADELSON L I	85709
ABBAS A H AL	79997	ABEL M E	17243	ABROL B K	47704	92799	92799	ADELSON S F	15398
ABBAS H	37923	ABEL P	92375	ABROL Y P	78619	ADALSTEINSSON S	ADALSTEINSSON S	ADEMOLLO A	61689
ABBASOV R A	8657	ABEL P O	47835	ABROMEIT K	67103	42219	42219	ADER F	79257
ABBASOV YA M	90586	ABELE C A	24797	ABROOK J	47301	63148	63148	ADERMANN C F	25116
ABBATE A	3512	ABELE G	36680	ABROSIMOV V I	20832	78892	78892	ADIGA P R	48608
ABBAYES H DES	67677	ABELER K	36490	ABROSIMOVA R S	72345	83722	83722	ADIGEALOV I M	13501
ABBEY F K	103471	ABELES F B	9638	ABT D A	12977	ADAM H	ADAM H	ADILBEKOV R A	102604
ABBOT J C	84837	ABELIN R	4299	ABU LUGHOD I	67074	J G	J G	ADILOVIC S	63232
ABBOT U K	82545	ABELSETH M K	81700	ABUBAKIROV N K	89776	46689	46689	ADITYACHAUDHURY N	19260
ABBOTT A C	54693	ABENDROTH A	10687		100714	98811	98811		103022
ABBOTT A J	20582	ABERCROMBIE K C	35585		103350	4519	4519	ADIWINATA R T	61690
ABBOTT D C	54093	ABERCROMBIE W A	26734		77819	83581	83581	ADJANGBA S	10153
ABBOTT D P	77999	ABERG B	68661		77820	22432	22432	ADJANOHOON E	46812
ABBOTT E B	25114		101455		5061	22008	22008		77294
ABBOTT E R	48104	ABERG E	39425		106109	51953	51953	ADKINS B G	66185
ABBOTT E V	47176	ABERHAM H	55221		42458	86332	86332	ADKINS K	97796
ABBOTT E V	47056	ABERNATHIE J W	33916		12937	55069	55069	ADKINS T R	23111
ABBOTT E V	47460		64663		22135	65528	65528	ADKINS W G	87343
ABBOTT G C	52823	ABERNATHY G H	53711		411	74428	74428	ADKISSON P L	13922
ABBOTT H G	12071	ABERNETHY J L	85731		36427	32922	32922		53511
ABBOTT N J	44424	ABETZ K	2689		67074	13988	13988	ADJANGBA S	73173
ABBOTT O J	41955	ABIDOV D	80248		89776	47602	47602	ADJANOHOON E	46812
ABBOTT P M	636	ABIKO R	7975		100714	47601	47601		77294
ABBOTT R C	34932	ABILAY J P	4530		103350	58134	58134	ADKINS B G	66185
ABBOTT R E	101454	ABIZAROV YU SH	51870		77819	99544	99544	ADKINS K	97796
ABBOTT R J	107698	ABLAUTOV V M	33525		77820	ADAMESTEANU C	ADAMESTEANU C	ADKINS T R	23111
ABBOTT U K	21751	ABLE B V	104557		5061	104304	104304	ADKINS W G	87343
ABBOZZO P	56132	ABLES J R	31234		106109	62152	62152		13922
ABD-EL-SALAM A L	83949	ABLETT R E	31532		42458	ADAMOCA O P	ADAMOCA O P		62726
	83950	ABMA E	8149		12937	ADAMOVIC Z R	ADAMOVIC Z R		80497
ABDALLA A A	18783	ABO EL GHAR M R	63525		22135	ADAMOVICH E I	ADAMOVICH E I		25544
	39638	ABEYGUNAWARDENA D	9194		411	ADAMOVICH L	ADAMOVICH L		83165
ABDALLA D A	44723	ABEYWARDENA V	27781		36427	ADAMOVSKA L	ADAMOVSKA L		53011
	47057		69712		67074	ADAMS A W	ADAMS A W		84114
ABDALLAH M D	32573	ABGAROWITZ F	30765		89776	82524	82524	ADMONI Y	56759
ABDEL-AKHER M	25340		32408		100714	ADAMS B L	ADAMS B L	ADJANGBA S	10153
ABDEL-AZIZ A S	51796	ABGAROWITZ F	32337		103350	ADAMS C	ADAMS C	ADJANOHOON E	46812
ABDEL-AZIZ M H	47926		32409		88026	ADAMS C H	ADAMS C H		77294
ABDEL-GHANI A F	30032	ABGAROWITZ F	32341		20808	ADAMS C T	ADAMS C T	ADLAKHA K L	47073
ABDEL-MAGEED S M	30957	ABIDI S A A	34508		30767	ADAMS D	ADAMS D	ADLAKHA P A	37925
ABDEL-MAGID I M	30033	ABIDOV D	80248		92268	6764	6764	ADLAKHA S C	22582
ABDEL-MALEK A A	14845	ABIKO R	7975		37924	90838	90838	ADLER H C	21963
	73686	ABILAY J P	4530		68254			ADLER H E	41263
ABDEL-RAHMAN H A	14846	ABIZAROV YU SH	51870		27782			ADLER I	80497
ABDEL-RAHMAN M M	25360	ABLAUTOV V M	33525		89325			ADLER J H	62726
		ABLE B V	104557		67088			ADLER R	80497
ABDEL-SAMIE M E	101690	ABLES J R	31234		54638			ADLER T A	25544
ABDEL-SAYED G	12345	ABLETT R E	31532		84532			ADLER V E	63370
ABDELAL A F	60309	ABMA E	8149		58954			ADLUNG K G	14253
ABDILMANOV U	86699	ABO EL GHAR M R	63525		2310				84114
ABDO K M	103084		63601		3105			ADMONI Y	56759
ABDO M S	82246	ABO-EL-DAHAB M K	68240		82028			ADJANGBA S	10153
ABDON A A	34712	ABO-EL-GHAR M R	93935		23254			ADJANOHOON E	46812
ABDON I C	98408	ABOLINA G I	80249		97440			ADOLPH M G	88556
ABDOU A H	30834		41262		107900			ADOLFSE J T	26580
ABDOU F M	101691	ABONDANO-HERRERA	41262		106380				26581
ABDOUE M R	47927				46484			ADOLPH R H	76393
ABDUGAMIDOV A M	58476	ABONYI I	21042		107608			ADOLPH W H	27573
ABDULLAEV A	99263	ABOU-AKKADA A R	93626		26980			ADOLPHE J P	47663
ABDULLAEV A A	38790	ABOU-EL-ASM L	72182		100989			ADOLPHI H	42362
	84256	ABOU-HAMDA K M	46082		70845			ADOLPHSON L C	35146
ABDULLAEV CH S	737	ABOUL-ELA M M	78		102294			ADOMAT R	80885
ABDULLAEV I K	1278							ADORNO E	25382

ITEM	ITEM	ITEM	ITEM	ITEM
AEHNELT E 3338	AGGER E 8434	AHLUWALLA M 9545	AIYAR K R 106896	AKOPOV E S 29978
AELLEN P 88253	AGHINA C 82525	AHMAD A J 18581	AIYAR S N 58955	AKOPYAN A 15888
AELLEN V 23631	AGHORAMURTI K 48508	AHMAD C N 78300	AIZAWA K 53093	AKOPYAN E SH 24902
AEROV I L 47928	AGILVIE P W 52609	AHMAD I 57413	53100 83723	94586
AESCHLIEMANN A 73518	AGIZA A H 40360	AHMAD K 97180	105476 105477	AKOPYAN N 66743
AETGALIEV F S 82641	AGLIBUT A P 9721	AHMAD K 97267	56363	AKOPYAN R 43797
AF H H 26830	AGLIBUT F B 11793	34009 36604	22938	AKOV S 33219 105787
AFANASEV G V 49831	AGLICAKAJA A 12474	46429 47900	72969	AKOYUNOGLU G A 78343
70336 70421	AGNAEVA E YA 35127	99814 102295	31533	AKPALU J D 21706
27029 72851	AGNESI V 18926	6587 23179	82359	AKRAM M 22034
AFANASEV N A 64315	23349 34849	26274 64267	31599	AKSEL R 89278
AFANASEV O K 78341	94422	81930 107113	32220	AKSENOV D 25788
AFANASEV P V 10283	17632	97267 107362	38122	AKSENOVA N F 81704
AFANASEV V G 53599	27402 36666	17107 92192	102986	AKSENOVA N P 37928
AFANASEV V P 12536	7182 25953	2138 40144	14323	AKSU S 68101 69648
103153	104937 95595	9643 41264	83682	AKULIN N A 91924
AFANASIEV M M 47191	AGNEW S 79750	101137	94587	AKULOVA M F 30837
47192 57865	AGNIHOTHRUDU V 8821	8828 9095	27019	AKULOVA N S 13662
AFANDI M A H 20343	8893 27073	100091 102605	8979	AKULOVA V P 13049
AFERINA A 16005	47193 47194	14713	37885	AKULOVICH N K 10193
AFELLOD K H 106431	76929	AHMAH S UD D 100093	94611	AKUNE S 44587
AFFIE E A 22208	AGNIHOTRI B N 28843	62562 72451	3752	AKUNTS B A 12964
AFLECKER E 40977	78342 85815	92786 92788	82958	AKUTSU M 92466
AFLOETTER E 80886	9641 9642 11316	81085 92788	90839	AKZHANOV A A 50219
AFIFI A 32418	18784 27074 58477	92102 92102	106258	AL-RAHAWY M A 52273
AFIFI A EL 82309	AGNOLA G DELL 20426	13477 13477	26735	AL-SHAIKHLI J S 103781
AFIFI Y A 52155	79999	52262 25928	23274	ALABART-MIRANDA R 33639
AFONIN M I 106295	AGOSIN M 32650	91716 91716	34781	ALABASTRO V Q 34858
AFRICA G D 2069	73147 104963	51041 51041	41324	ALABUSHEV V A 11449
55988	AGOSTI R 96871	82147 82147	93850	ALAGIANAGALINGAM M N 18052
AFRIDI M M R K 69158	AGOSTINI C 103950	AHMED I 2312	34995	ALAIN D 101051
AFRIKYAN E K 32574	AGOSTINI R 77127	AHMED I U 11448	7490	ALAIS C 4353 34311
AFSHAR A 3513	AGOTE-ROBERTSON L 53056	AHMED M I 87337	80063	74738 96610 106897
AFSHARPUUR F 14343	AGRAFENINA V I 78589	AHMED M S 5118	74408	ALAM M 69325 70763
AFTOSMIS J 42194	AGRALI B 77128	AHMED M U 69159	19369	ALAM M M 33244
AFZAL M 27360	AGRAWAL A P 26743	68100 99382	77760	ALAM M T 79869
43874 79229	AGRAWAL B L 35459	19779 47929	100659	ALAM S M 43187
100090	108078	62827 98687	106086	ALAMPI J 34033 66163
AGADZHANOVA T A 41974	AGRAWAL H 68253	AHMED S A 45098	78236	ALAN J J 100065
AGAIEV F T 72026	AGRAWAL H C 32983	AHMED S D 52001	78237 79355	LANDER P 21557
AGAFONOVA K F 96720	AGRAWAL H S 67476	AHMED W 72769	79641 79642	ALANNO A D 66544 106763
AGAFONOVA S V 9863	AGRAWAL N S 4893	63442 100560	84747	ALAPISPA U J 77047
AGAKHANYANTS D E 36603	14654 14656	39596 39596	100736	ALARCON C P J 33640
47603 47604	AGRAWAL P N 48403	AHMED Z F 39596	100736	ALBA B A M 12537
AGALAROV M S 91218	AGRE A L 37926	AHMEDULLAH M 38504	100736	ALBA G DE 1033 3556
AGALINA V G 3043	AGRE N S 88532	AHN Y K 85893	100736	3724 3725 12908
33921 81634	AGRELL I 84205	89251 89251	100736	12930 41445 44243
50595	AGRENS C H 55554	AHNSTROM G 61389	100736	103415
50596	AGRENS O 96152	AHONEN L 71393	100736	4254
AGANINA L A 13320	AGRESTI A 103610	AHRENS E 49776	100736	62937
51547	AGRICOLA 85653	AHRENS G 21809	100736	67510
AGAND F 35742	AGRIMI P 103655	AHRENS J F 18785	100736	29227
AGAND M 94038	AGRIOS G N 58058	30310 59913	100736	91287
AGARWAL G P 184	AGRON S B 61244	106515 103611	100736	24596
93044	76682	79258 79258	100736	44139 54492 64933
AGARWAL H C 105693	AGT A A M VAN 71216	AHSAN S R 27049	100736	65825
105694	AGUESSE M 46549	AHSE H J 97638	100736	27437
AGARWAL J P 20583	AGUIAR H A DE 83121	AHUJA A 88254	100736	60278
60311	AGUIAR H DE C 10412	AHUJA K G 38505	100736	31145
AGARWAL K K 4117	AGUIAR P A L DE 74676	AHUJA M R 27535	100736	51695
AGARWAL M K 14184	AGUILAR F J 32417	AIBETOV A V 53671	100736	79337
AGARWAL M M 14780	AGUILAR J D 17922	AICHELE M D 47473	100736	49955
14781 95274	52908 90899	47497 68336	100736	81235
AGARWAL N S 5219	AGUILAR-SANTOS G 10278	AICHINGER E 14871	100736	61097
AGARWAL O P 60756	AGUILARD W 75101	AIDA S 41160	100736	104805
AGARWAL P N 1279	AGUILERA-AMEZCUA A 93045	AIGNER D J 16970	100736	98409
5167 38503	93068	AIGNER D J 15185	100736	100906
AGARWAL R A 23212	AGUILERA-CAMACHO A 76102	AIISS S 98226	100736	55104
105912	97690	43955 43957	100736	55566
AGARWAL R L 68420	AGUILLO D B 98383	47368 47368	100736	38589
AGARWAL S 27456	AGUILO-BONNIN J 106188	56925 82957	100736	48509
AGARWAL S J 2960	AGUINACO G D 63731	104803 76046	100736	108585
AGARWAL S K 55918	AGUITRE A 12072	98501 98501	100736	75212
AGARWAL S K D 72515	AGULAR J D 5220	51179 37927	100736	19236
AGARWALA O N 3514	AGULHON R 64520	49474 79044	100736	41773
AGARWALA O P 71885	AGUNDIS M O 49402	49474 79044	100736	41792
89326	49474	49474 79044	100736	92970
AGASHE N G 47381	AGURELL S 79035	49474 79044	100736	104840
AGASSIZ L 76953	AGURELL S L 89778	49474 79044	100736	87154
AGATE A D 25117	AHARI D 26241	49474 79044	100736	4896
AGATI J A 94278	AHARONI H 4712	49474 79044	100736	85647
AGDE K 13812	AHARONI Y 107358	49474 79044	100736	81236
AGE J 76470	AHEARN D C 37612	49474 79044	100736	91623
AGEE D 35922	AHERNE D G 57738	49474 79044	100736	81705
AGEE M H 103883	AHERNE F X 93758	49474 79044	100736	68671
AGEEV V M 64578	AHL R 104802	49474 79044	100736	66084
AGEEV V V 59301	AHLBACK A 60873	49474 79044	100736	72637
AGEEVA L S 13536	AHLBERG O 99670	49474 79044	100736	133613
AGENA M U 33738	AHLBORN F 44822	49474 79044	100736	78344
AGENJO R 14847	55223	49474 79044	100736	85692
43237 105913	105914	49474 79044	100736	29879
AGER D V 46690	AHLBORN M 81576	49474 79044	100736	66545
AGER E A 44035	AHLEN L 30638	49474 79044	100736	85504
AGER T 87533	AHLF H 40143	49474 79044	100736	98395
AGERBERG L S 27783	AHLFELD H 107902	49474 79044	100736	14344
40142 69337	AHLGREN C E 50761	49474 79044	100736	97268
80250 100735	AHLGREN G E 48431	49474 79044	100736	94806
AGERBERH L S 49954	AHLGREN H L 56233	49474 79044	100736	94994
AGERGAARD E 51657	AHLGRIMM F 15015	49474 79044	100736	27050
51658 51704	AHLGRIFF B S 759	49474 79044	100736	39643
51769	AHLRICH L E 2311	49474 79044	100736	62060
46	AHLSVEDE G 52991	49474 79044	100736	22874
27921	AHLWALIA B S 4021	49474 79044	100736	52657
7300	AHLWALIA K 27530	49474 79044	100736	104749
55667	AHLWALIA M 100762	49474 79044	100736	100570
36598	AHLWALIA P J S 14086	49474 79044	100736	102210
AGGARWAL A C 56445	AHLWALIA R K 1280	49474 79044	100736	82549
AGGARWAL J S 7313	AHLWALIA S S 32419	49474 79044	100736	21811
AGGAZZOTTI L 107785	62337	49474 79044	100736	99327
AGGEBRANDT L 25118	AHLWALIA V K 21640	49474 79044	100736	



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
ALBINET E 70687 70688	ALEKSEEV V A 40713	ALEXANDROWA A W 89933	ALLARD R W --CONT 53518	ALLEY H P 20211 20212	ALLEY H P 20211 20212
ALBINSKAYA O I 65972	102607	ALEXANDROWICZ S 71843	ALLAWAY W H 18987	20213 20214	20215
ALBISSETTI J 83594 94544	20807	ALEXANDRU I 30685	41265	20234 49403	74751
ALBITSKA M O 83595 94544	40145	ALEXE N 90056	ALLCHIN F R 51954		101586
ALBOIU M 57218	39895	ALEXEI O 10674	ALLCOCK B 25835	ALLEY W M 95436	
ALBOIU M 3277 63233	79008	ALEXEJEW M W 58480	ALLCROFT R 41333	ALLGOOD J G 35870	
ALBONICO F 85260 96400	89328	ALEXIADIS C A 11184	ALLCROFT W M 93401	ALLGOOD V C 90973	
106898 107001	68662	ALEXIU A 24599	ALLDEN W G 93601	ALLIN B W 56021	
ALBRECHT D T 103951	43147	ALEXOPOULOS C J 99050	ALLDERDICE P W 18644	ALLIN E 64666	
ALBRECHT F O 53516	51387	ALF W 43525	ALLDRIDGE N A 78078	ALLINGTON R W 99791	
64244	76233	ALFARO-MORAN A 109144	ALLEE D J 46002	ALLINGTON W B 99565	
ALBRECHT H 8184 108686	13421	ALFEREV V 87900		ALLISON A H 38871	
108801	93171	ALFERT M 18515	ALLEGER D E 26737	ALLISON D 13910	
ALBRECHT K J 33949 59959	102107	ALFIMOV N N 27785	46111 67105	ALLISON F E 2182	
ALBRECHT P 21812	50400	100092	ALLEGRET P 14848	20408	48412
42506	99265	45899	ALLEGRI E 47196	ALLISON H 55463	
64443	99265	96401	ALLEGUEDE R 49119	ALLISON H W S 11130	
ALBRECHT W 2252	102400 101897	97181	ALLEIZETTE C D 57220	ALLISON J 77068	77069
ALBRECHT W A 49827 70415	82582	104843	ALLEMAN H B 45200		89067
ALBRECHTSEN R S 79113	40113	92732	ALLEN A 5119	ALLISON J B 92008	
ALBRECHTSEN 61959	27588	21558	5121 5221	ALLISON J C S 19215	
ALBRECHTSEV R 31136	71123	40978	53380 73551	73552	
ALBRIGHT J L 21813	23112	51836	73553 73613	73614	
51938 65015 66744	23113	6140	73615 73700	73785	
72124 103909	64401	99343	73786 73787	95368	
ALBRIGHT L F 102335	72345	54746	ALLEN A V 92139	92608	
15309	11602	85560	92609	103515	
ALBRITTON C W 59277	38895	64542	ALLEN B G 36145	75930	
ALBRITTON R C 72596	91156	19261	ALLEN C F 58956	97122	
ALBU M 96553	ALERS-MONTALVO M 98118	19261	ALLEN C H 7476	58956	
ALBU V 63233	49671	71515	ALLEN C K 98478	7476	
ALBUQUERQUE H F 12776	70262 70263	63522	ALLEN C L 23970	98478	
DE	70295	63372	ALLEN C W 17472	23970	
ALBUQUERQUE I L D 30669	18483	63373	ALLEN D E 77242	17472	
ALBUQUERQUE I L 71510	23350	104248	ALLEN E 107593	107593	
DE	32576	38180	ALLEN E J 49135	55034	
ALBUQUERQUE S 23936	86260	91559	69942	69943	
ALBURY M N 25529	ALESSANDRO D R 51630	75840	ALLEN E M 56760	56760	
ALCAIDE A P 23576	ALESSI J 20650	5713	ALLEN F C 73174	73174	
105602	ALETSEE L 68337	58481	ALLEN F E 13145	13145	
ALCAINO H 103154	ALEXA G 97149	100093	ALLEN F W 1795	1795	
ALCALDE A J 39118	ALEXANDER A 95682	19392	ALLEN G 16212	16212	
ALCAN M 45259	ALEXANDER A D 3105	79869	ALLEN G C 85506	85506	
ALCAYOE-VILAR F 24590	41645	80252	ALLEN G H 79870	79870	
ALCOCER-GOMEZ L 88896	ALEXANDER A F 12932	68663	ALLEN G R 67106	67106	
ALCORN G B 46110	12933 12934	9371	ALLEN G S 18484	18484	
ALDANA L 13613	ALEXANDER A M 101268	34509	ALLEN G V 26332	26332	
ALDASY P 22970	101269	61574	ALLEN H 89329	89329	
ALDER F E 22053	ALEXANDER B B 16399	58185	ALLEN H A 6946	6946	
ALDER H C 21962	ALEXANDER C P 23630	8668	ALLEN H R 36052	36052	
ALDERFER R B 20941	23688 33134	5371	ALLEN H W 5435	5435	
29468 80498	53298 53299	5373 17204	ALLEN I M 73736	73736	
ALDERMAN D C 8894	73612 94995	27334 27335	ALLEN J M 73554	73554	
9645 37128	94997 94998	85505 98339	ALLEN J J 100594	100594	
ALDERMAN J R 12853	ALEXANDER D 74134	883	ALLEN J D 37036	37036	
ALDOHOUS J R 61098	ALEXANDER D E 760	102507	ALLEN J M 47848	47848	
81086	10516 37619	60020	ALLEN J R 4119	4119	
ALDIGHIERI J 23023	75572	60105	ALLEN J W 7137	7137	
ALDIGHIERI R 23023	10665	95596	ALLEN L 15454	15454	
ALDISIO E DE 26584	8661 8662	29980	ALLEN L A 74480	74480	
ALDONS M E 64852	8664 8665	22321	ALLEN L H 69147	69147	
ALDOR T 35085 55517	8667	5564	ALLEN L K 24798	24798	
ALDRED A H 80964	ALEXANDER F 104096	6014	ALLEN M 19473	19473	
ALDRED J R 90683	ALEXANDER F D 31146	33978	ALLEN M B 1281	1281	
ALDRICH A D 2559	45755 56456	78893	ALLEN M D 14292	14292	
ALDRICH A P 15805	ALEXANDER G 4333	28565	ALLEN M G 40599	40599	
ALDRICH B I 5822	53517 63058	11374	ALLEN M M 82959	82959	
ALDRICH D G 8366 27362	ALEXANDER G I 12777	37671	ALLEN M M B 43044	43044	
54923 78448	103597	62997	ALLEN O N 2209	2209	
ALDRICH S R 60312	ALEXANDER H D 3798	102206	ALLEN P G 38024	38024	
ALDRIDGE C 38526	13700	88110	ALLEN P H 40600	40600	
ALDROVANDI A 65363	9648	52263	ALLEN P T 26640	104968	
67268 86439	ALEXANDER J 9648	82822	107071 108079	108080	
ALDROVANDI R 79868	ALEXANDER J C 35169	57415	86379	86380	
ALEANDRI M 12538	ALEXANDER J H 19856	10072	ALLEN P W 86379	86380	
53904 62153	65363	72986		107857	
ALEGRIA C A 27634	ALEXANDER J T 49956	54759	ALLEN R 4766	4766	
ALEKANDROWICZ S 97121	ALEXANDER J W 76103	100763	ALLEN R C 38932	38932	
ALEKHIN V 53615	ALEXANDER K E F 49957	12854	ALLEN R D 18485	18485	
ALEKHIN V G 102817	ALEXANDER L J 47342	32738	ALLEN R G 11685	11685	
ALEKPEROV K A 29979	ALEXANDER L T 70446	18493	ALLEN R H 30348	30348	
ALEKSANDROV A D 102606	ALEXANDER M 19631	61551	ALLEN R J 35755	72039	
ALEKSANDROV A N 99139	22777	29090	ALLEN R K 5601	5602	
ALEKSANDROV N I 81706	ALEXANDER M L 33136	60570	ALLEN R M 6567	50825	
ALEKSANDROV N P 26736	ALEXANDER M P 78238	15634		102738	
ALEKSANDROV V G 29527	ALEXANDER N 33354	85261	ALLEN R P 64079	64079	
37620	73791	64542	ALLEN R S 13113	51918	
ALEKSANDROV V YA 382	96671	101365	ALLEN S 4385	82845	
47705	ALEXANDER R D 5031	90338	ALLEN S E 96120	96120	
ALEKSANDROV YU N 105780	49623	55687	ALLEN S Q 65191	65191	
ALEKSANDROV YU P 42365	32986	71807	ALLEN T C 441	42745	
ALEKSANDROVA G D 101201	89497	79974	65241 68102	99694	
ALEKSANDROVA I V 88138	ALEXANDER R H 89497	95725	ALLEN W A 32874	37416	
ALEKSANDROVA L N 2255	ALEXANDER R R 71300	63602	37482	104952	
29469	ALEXANDER W A 20895	48379		105149	
34978	ALEXANDER W D 16209	7502	ALLEN W S 5892	20953	
109059	54145	75657	74265	80680	
ALEKSANDROVA T 82139	ALEXANDER W E 72516	18897	ALLEN W T 34510	75064	
ALEKSANDROWICZ J 37538	ALEXANDER W H 34406	47706	ALLEN W W 23275	63374	
ALEKSEENKO L N 87909	44244 44341	40361	ALLER H E 23024	52683	
ALEKSEENKO M I 94040	ALEXANDRESCU I 19857	49055	ALLER R 31239	31239	
ALEKSEEV A N 53233	19899 20588	68664	ALLERA R 27786	27786	
ALEKSEEV A V 37175	20997	69810	ALLERUP S 59914	59914	
ALEKSEEV I A 26524	ALEXANDRESCU M 96570	18053	ALLES K A 6257	6257	
ALEKSEEV M 75496	62058	78239	ALLEWELDT G 78349	78349	
ALEKSEEV N A 97489	40487	84248	ALLEWELT R W 76721	76721	
ALEKSEEV N N 12931	50669	73466	ALLEWELT W F 64783	64783	
ALEKSEEV P A 12931	ALEXANDRI A V 10998	65292	ALLEY C J 18265	59605	
	78345	9546		59606	
		18689	ALLEY D A 23672		
		37822			
		38051			

	ITEM		ITEM		ITEM		ITEM
ALPERT P	107999	AMAGASE S	69277	AMMA A M K	90693	ANDERSEN A L	29023
ALPHANDERY R	83582	AMAKAWA T	88434	AMMA B S	37933	ANDERSEN A M	47933
ALPHEN J VAN	75669	AMALOU P	3617	AMMAN G D	238	ANDERSEN A M	51814
ALQUATTI I H	13604	AMAMI S	18864	AMMANN E C B	69161	ANDERSEN B S	87958
ALRUTZ R W	43333	AMANDURDYEV K	108166	AMMANN K	51595	ANDERSEN D M	94041
ALSAKER T	85177	AMAMURADOV K	89776	AMMANN K	40827	ANDERSEN E H	12541
ALSAYEGH A Y	49997	AMANN H	81247	AMMANN K	41150	ANDERSEN E T	18788
ALSCHULER J H	104719	AMANN M	39540	AMMERMAN C B	61353	ANDERSEN F L	28845
ALSHUTH K	54037		100095	AMMANN C B	3045	ANDERSEN F L	31241
ALSMeyer R H	12936	AMANN R P	21966	AMMANN C B	4111	ANDERSEN F L	62241
ALSON	71471		22732	AMMANN C B	41920	ANDERSEN G	85377
ALSTERMARK G	101681	AMANO K	45093	AMMANN C B	62762	ANDERSEN H K	12938
ALSTON R E	13154	AMANO M	1237	AMMANN C B	72057	ANDERSEN H V	7691
	98858	AMANO S	81035	AMMANN C B	103517	ANDERSEN I	7736
ALSUP B	16628	AMANO Y	20553	AMMANN H U	17871	ANDERSEN I	16213
ALT D	84775	AMANOV K	66467	AMMOORE J E	68421	ANDERSEN I	34036
ALTADONNA G	53616	AMANTE E	23276	AMOR J M	57433	ANDERSEN I	87155
ALTAISKI I A	45545		32577	AMOROS A M	25341	ANDERSEN I	41254
ALTAR M	26004	AMANHULOV S A	63476	AMOROSO E C	30838	ANDERSEN J B	21967
ALTDORFER K	90379	AMAR S S	1061	AMOS J	8898	ANDERSEN J B	21969
ALTENBURG E	5240	AMARAL A	3995	AMOS J M	90383	ANDERSEN J C	7826
ALTENBURG W F	107905	AMARAL A Z DO	11314	AMOS R E	103357	ANDERSEN J C	60295
ALTENFELDER-SILVA F	17015	AMARAL E	94494	AMOS V J E	103952	ANDERSEN J E	51956
ALTENKIRCH W	32301	AMARAL J B DE S	56626	AMOUR C J	12141	ANDERSEN J O	34312
	42122		56627	AMPHOUX M	77635	ANDERSEN K	97637
ALTENRIED K	96332		56628	AMPLEVSKAYA S	5803	ANDERSEN P E	3726
ALTER H	80253		66977	AMPY F R	12963	ANDERSEN P E	51632
ALTERAUGE W	31240		86076	AMR K M	27143	ANDERSEN P E	51697
	31490	AMARAL L B S	22990	AMROUSI S	31535	ANDERSEN P E	51700
	63234	AMARAL S F DO	42650	AMSDEN R C	64521	ANDERSEN P E	51703
ALTERGOT V F	9649	AMARAL V DO	23534	AMSON F W VAN	27789	ANDERSEN P E	51706
ALTERMANN M	20531		23535		50222	ANDERSEN P E	51709
ALTHER E	51300	AMARGIER A	94679	AMSTURZ H E	22426	ANDERSEN R M	76048
ALTIMIRA-RAVENTOS C	93561	AMARNATH L	19684	AMSTUTZ H F	22419	ANDERSEN R N	37934
	97269	AMARO E H DE C	61694		82960	ANDERSEN S	39436
ALTIMUR-RAVENTOS C	104469	AMASON R D	2938	AMUNDARIAN G	3	ANDERSEN S	40488
		AMATU F D	21287	AMY A S	5650	ANDERSEN S	51711
ALTMAN A D	62452		37823	AMY R L	19725	ANDERSEN S T	89111
ALTMAN R B	4120		83391	AN S P	84066	ANDERSEN V B	6355
ALTMAN R M	4680	AMATT N D	45201	ANA M	59302	ANDERSEN V B	6355
ALTMANN G	105411	AMAYA-BRONDO A	50220	ANAGAMA Y	18200	ANDERSEN F S	5122
ALTMANN H	47931	AMABELLI G	96844	ANAND S C	65033	ANDERSON	58958
ALTMANN H J	64270	AMBAKUMYAN G C	12817	ANANDASWAMY B	58369	ANDERSON A	26959
ALTON G	91901	AMBASTHA H N S	17923		55105	ANDERSON A B	8982
ALTONA R E	26585		19747	ANANDKRISHNAN A R	55115	ANDERSON A F H	30534
	104592	AMRE L	19674	ANANEV V V	11637	ANDERSON A H	100097
ALTROCK F J VON	17003	AMBELANG J C	19262	ANAN K C	13316	ANDERSON A J	26586
ALTROGGE L	25545	AMHERGER A	55752	ANANINA V M	20326	ANDERSON A L	44532
ALTSCHUL A M	26149		2313	ANANDS H	18787	ANDERSON A L	31044
	55682	AMBLE V N	100562	ANANDOV G D	91837	ANDERSON A M	52569
ALTSCHUL A V R	58974	AMBLER A W	96521	ANANOV G D	64316	ANDERSON A M	74912
ALTSTAT G E	88255	AMRO K	88256	ANAYOWA J N	36607	ANDERSON A W	7193
ALTUKHOV M D	76950	AMRO K	3109	ANANTAKRISHNAN C	24868		7194
ALTUKHOV M D	46814	AMBROS Z	21366	P	54549	ANDERSON B	19940
ALTUNIN D A	60313	AMBROSIO J	59643	ANANTARAMAN M	22323	ANDERSON B	70423
ALUMOT E	6565		96235	ANANTHA-RAMAN K S	30049	ANDERSON B F	70423
	22649	AMBROSIO C	54488	ANANTHAKRISHNAN N	14160	ANDERSON B H	58958
ALUMOT J	6097	AMBROSIO D A	7439	R	14161	ANDERSON C	91219
ALUNAN J A	76230	AMBRIZ M	93814		14163	ANDERSON C	7188
ALVARADO R	14849	AMBRIZ B	14346	ANANTHAKRISHNAN P	95155	ANDERSON C	33979
ALVARADO S O	71301	AMBUHL H	33005	V	85722	ANDERSON C E	55123
ALVARENGA M	42849	AMBURGEY L R	11595	ANANTHANARAYANAN	103159	ANDERSON C E	80840
ALVARES A P	72598	AMDFING F	86488	R	103159	ANDERSON C H	886
ALVAREZ AMEZQUITA J	61693	AMEIJEIRAS M	20584	ANANTHANARAYANAN	36973	ANDERSON C H	38681
		AMELUNXEN B	97441	S	47199	ANDERSON C P	56761
ALVAREZ M	68254	AMELUNXEN F	98954	99051	99052	ANDERSON C P	67031
ALVAREZ R	11450	AMEIYA E	74408	ANANTHASAMY T S	5029	ANDERSON C R	14000
ALVAREZ T	104056	AMEIYA M	20374	ANANTHESWARAN C K	16270	ANDERSON C R	32723
ALVAREZ-AMEZQUITA J	61693	AMEIYA S	51122		65967	ANDERSON C W	41846
		AMEN R	37931	ANANTHRAMAN S A	27364	ANDERSON C W	12939
ALVAREZ-CALDERON R	90111	AMEND P	17128	ANANYAN S A	84014	ANDERSON D	76472
			97535	ANANYEV A R	77131	ANDERSON D	78080
ALVAREZ-GARCIA L	77487	AMENDOLA G	31662	ANAS K E	74995	ANDERSON D	12940
ALVAREZ-HERRERO H	76868	AMEND D L	81930	ANASIEVICZ A	33293	ANDERSON D	103898
S DE		AMER A V	50221	ANASIEWICZ A	63906	ANDERSON D G	6736
ALVAREZ-JARAMILLO M	41300	AMER F	47932	ANASTASIE C	10658	ANDERSON D J	37539
			49672	ANASTASIOU C J	8822	ANDERSON D J	71682
ALVAREZ-LUNA E	101366	AMER M M	63566	ANASTASIOU C J	8822	ANDERSON D L	80218
ALVARGONZALEZ-CR-UZ J M	54925	AMER N M	105676	ANASTASOV S A	14248	ANDERSON D L	41904
		AMEREAU T E	103851	ANASTOS C	8186	ANDERSON D M	14125
ALVARO-CARRILLO R	15006	AMERICO F E	8981	44336	54619	ANDERSON D M	20368
ALVELID S	28408	AMERINE M A	6258	ANASTOS G	15663	ANDERSON D O	49588
ALVERSON A	46562		10657	ANASTOS G	54637	ANDERSON D O	40215
ALVERSON K	80217		24602	ANALMO D	85430	ANDERSON D P	40215
ALVES F	12779		58485	ANCALMO G	73151	ANDERSON D S	64588
ALVES N G C	38680		24603	ANCUSA M	77487	ANDERSON D S	46263
ALVES P R	56953	AMERYCKX J	106765	ANCUSA M	64864	ANDERSON D T	56926
ALVEY N G	9650	AMESZ J	70422	ANCZYKOWSKI F	62154	ANDERSON D T	5223
ALVI A S	85505	AMEY L	76583		62155	ANDERSON D T	33770
ALVIM P DE T	18951	AMFITEATROV F Z	12937	ANDA S	92378	ANDERSON D W	50186
			22135	ANDAL M E	89429	ANDERSON D W	83915
ALVIN K L	100094	AMICH-GALI J	32000	ANDALO G	108223	ANDERSON E	55564
ALVING A S	26927	AMICI G	83583	ANDEL J VAN	45623	ANDERSON E	55659
ALVSAKER E	4747	AMICI V	71472	ANDER C	76471	ANDERSON E	2071
ALVSAKER H	49706	AMICK R J	34851	ANDER K	73338	ANDERSON E	18486
			45879	ANDERCA C	95276	ANDERSON E	57221
ALWAR V S	63844	AMICO A	36605	ANDERER F A	1916	ANDERSON E	57351
		AMICUCCI U	107754		469	ANDERSON E	59677
ALWARD E	43334	AMIGHI M	81835	ANDERKA F W	47462	ANDERSON E	39127
ALWIN S	28054	AMIL M R	1312	ANDERL J	47463	ANDERSON E	59746
	99266	AMIN A	3951	ANDERS A	47628	ANDERSON E	106182
ALWORTH W L	58957	AMIN M	21011	ANDERS D E	102402	ANDERSON E	6822
		AMIR J	70668	ANDERS F	105695	ANDERSON E	36763
ALY O M	52704	AMIR S	51958	ANDERS H	4501	ANDERSON E	57532
ALZODZHADZHI R D	22506	AMIRAN D H K	98048		7917	ANDERSON E	27791
		AMIRGAZIEV K	5222	ANDERS M	16609	ANDERSON E	73339
AMABILIS-REJON M	94262	AMIRKHANIAN J D	36606	ANDERS R	76047	ANDERSON E	73340
AMACHER R H	37183	AMIRKHANOV N A	100096	ANDERS R F	54489	ANDERSON E	22447
AMADEI G	27069	AMIROV A K	7115	ANDERSEN A	7735	ANDERSON E	22450
	56234	AMIROV M	56070		86788	ANDERSON E	15807
AMADO CASTILLO D	108360	AMIZET A	82023	ANDERSEN A C	3781	ANDERSON F B	44426
AMADO-CASTILLO D	69713	AMLACHER E	63013		3782	ANDERSON F M	38382
	101138	AMLING H	70482	ANDERSEN A H	31586	ANDERSON F N	38705
AMADUCCI M T	89554	AMLING H J	90661		34091	ANDERSON F N	91151
					1085	ANDERSON F W	69766
						ANDERSON G	101197
							2150
							29540
						ANDERSON G B	73717
						ANDERSON G C	92855
						ANDERSON G D	104593
						ANDERSON G W	325
						ANDERSON H	18055
						ANDERSON H G	75621
						ANDERSON H W	56133
						ANDERSON I C	56152
						ANDERSON J	41478
						ANDERSON J A	91025
						ANDERSON J A R	92631
						ANDERSON J C	866
						ANDERSON J D	71845
						ANDERSON J E	75591
						ANDERSON J F	103910
						ANDERSON J G	107640
						ANDERSON J H	1377
						ANDERSON J I	100564
						ANDERSON J K	17569
						ANDERSON J L	91616
						ANDERSON J M	19475
						ANDERSON J N	59403
						ANDERSON J O	89585
						ANDERSON J P	14706
						ANDERSON J Q	53368
						ANDERSON J R	44141
						ANDERSON J S	44825
						ANDERSON J T	49404
						ANDERSON J U	63443
						ANDERSON J V	4661
						ANDERSON J W	47977
						ANDERSON J X	33076
						ANDERSON J Y	41912
						ANDERSON J Z	16516
						ANDERSON K	73622
						ANDERSON L	20510
						ANDERSON M	60383
						ANDERSON N	1631
						ANDERSON O	79314
						ANDERSON P	102298
						ANDERSON Q	65368
						ANDERSON R	77296
						ANDERSON S	98553
						ANDERSON T	8778
						ANDERSON U	88436
						ANDERSON V	99817
						ANDERSON W	25347
						ANDERSON X	21814
						ANDERSON Y	104813
						ANDERSON Z	51123
						ANDERSON AA	102934
						ANDERSON AB	35148
						ANDERSON AC	414
						ANDERSON AD	56762
						ANDERSON AE	99733
						ANDERSON AF	48309



ITEM			ITEM			ITEM			ITEM			ITEM		
ANDERSSON G	13014	ANDREUCCI E	18057	ANGELIDIS A D	67269	ANQUEZ M	24881	ANTTINEN O--CONT	100909					
21570	27076	ANDREW C S	9651	--CONT	108810	ANQUEZ P	101174		101900					
78240	78611	ANDREW D A	61943	ANGELIEV V	36764	ANSARI M A S	107980	ANTUNES C S N	11131					
	80887	ANDREW L E	20369	ANGELINI A	10992	ANSARI M Y	18417	ANTZIFEROV N G	77643					
ANDERSSON H	52301	ANDREW R H	28440	47201	69456	ANSARI N	29881	ANUCHIN N P	21249					
	57261	ANDREW R J	72671	ANGELIS A DE	11451	ANSARI T A	80788	30349	36495	71009				
ANDERSSON I	57271	ANDREWES SIR C	73616	ANGELO A D	104533	ANSELM C	77491	99142		71081				
ANDERSSON J	45101	ANDREWS A C	36609	ANGELOTTI R	6024			107874		31242				
ANDERSSON K	87385		100023	15380	24363	ANSIAUX J	28238	ANUNCIACION C	26242					
	87534	ANDREWS A K	4651	ANGELOV A	44726	ANSIAUX J R	37935		97442					
ANDERSSON K F	32551		23036	ANGELOV A S	44594	ANSON M L	54094	ANUS Z	3111	30841				
ANDERSSON K O	45880	ANDREWS C B	98119	ANGELOV E	101835	ANSORGE H	29662	ANWAR B		6167				
56134	97798	ANDREWS C M	34511	ANGELOV E	93173	70049	79754	ANWAR M		32651				
	97952	ANDREWS D H	27051	ANGFLOV I	82903		79822	ANWAR M H		6167				
ANDERSSON N	41722		61427	ANGFLOV I	42238	ANSPOK P I	11452	ANWARULLAH M		83754				
ANDERSSON O	21559	ANDREWS D K	13440	ANGFLOV K	62045	ANSTASIADIS S	109204	ANWAY S E		31684				
	71506	72562	82670	ANGFLOV P	63907	ANSTEE L	5775	ANYANE S LA		35409				
ANDERSSON R	87802		93402	ANGFLOV S	36381	ANSTETT A	60315	ANYSKOVA T S		37937				
	98398	ANDREWS E	55824	ANGFLOV T	38448	ANSTET T H	80439	ANZALONE B	29387	47608				
ANDERSSON S	29438	ANDREWS E D	52410	ANGFLOVA L	63185	ANT-WUORINEN O	21560			77297				
47567	57867		93671	ANGFLOVA R	83295		25120	ANZIANI J		65546				
70460	71007	ANDREWS E H	86382	ANGFLOVA V	73161	ANTAL A	106296	ANZILOTTI F		19733				
	99141		86383	ANGFLOVA-PATARIN-	89331	ANTAL E	100764		19781	39077				
ANDERSSON S A	82584	ANDREWS F N	12901	SKA Z		ANTAL J	89993	ANZULOVIC B M		55293				
ANDERSSON S O	50645	13075	24741	ANGLOWA L	82484	ANTALDI G G V	41201	AQBA T		47936				
ANDERSSON T	108781	ANDREWS F S	39327	ANGFLY L	65292		93049	AOKI A	2625	78972				
ANDERSSON-KOTTO I	48511	ANDREWS G L	74848	ANGERER C L	46112	ANTANAITIS V	102432			107151				
ANDES J O	19929	ANDREWS G P	22577	ANGERMAN R	74135	ANTANAITIS V V	71008	AOKI H		10155				
ANDESNER E	84259	ANDREWS G Y	99818	ANGEVINE D W	43956	ANTAR I	60106	AOKI I		54886				
ANDENKO L	28439	ANDREWS H	70048	ANGEVINE N	44246	ANTAR I M	60107	AOKI J	18959	33033				
ANDIGNE D	66441	90611	90704	ANGGORODI R	8361	ANTAR M A	74382			94676				
ANDO A	29587	ANDREWS H L	104910	ANGHEL C	31476	ANTECLIFF A J	100335	AOKI J I		94042				
ANDO B	31221	ANDREWS H N	8566	ANGHEL G	26445	ANTEPLIOGLU H	92877	AOKI K		23479				
ANDO H	84150		46752	ANGHEL V	61975	ANTHON E W	4834	AOKI M	49673	60186				
ANDO K	6655	ANDREWS J S	22948	ANGHELESCU I	36365	42652	52961	83392		60187				
67992	97303	ANDREWS J F	49016	ANGHELEIDE N	9817	ANTHON K F	107795	AOKI S	4241	12200				
			104919	ANGHI CS	91902	ANTHONY A	104219		82585	96812				
ANDO M	69683	ANDREWS L D	32043	ANGLADE J	93534	ANTHONY D W	63500	AOKI T	40972	52223				
ANDO N	45093		93441	ANGLADE P	83283		105085		82360	102433	102485			
ANDO S		ANDREWS L M	90312	ANGLADETTE A	77132		103601	AOKI Y		6321				
ANDO T	55823	ANDREWS M F	52570		107429	ANTHONY J L	11644	AOMINE S	2256	60108				
ANDONOV P	71729		63059	ANGLEMEIER A F	75592	ANTHONY K R M	28567			60190				
ANDOR J	2702	ANDREWS M W	6589	ANGLEMIER A F	12963	ANTHONY P	26739			8823				
ANDRADE A	41060		25156	ANGLEMIER A F	86175	ANTHONY R G	54022	AOSHIMA K		77870	77871			
ANDRADE B M DE	41950	ANDREWS O N	59139	16203	82819	ANTHONY W B	12883	AOYAGI W			9338			
41949	42030	ANDREWS R	79260	100907			71986	72334	103553					
		ANDREWS R A	36180	ANGLEOV S	50223	ANTHONY W E	45478	AOYAMA K		93050				
ANDRADE F	45401		76234	ANGLESIO P	88695	ANTIC M	19046	AOYAMA N		85001				
ANDRADE F S C DE	1737		85507	ANGUERA S	25126	ANTILA M	15608	AOYAMA T		58858				
ANDRADE J J T DE	65369	ANDREWS R E S	74739	ANGUILM J A	50950	65062	65159	APACIBLE A R		16526				
ANDRADE M C DE	86502	ANDREWS R S	41030	ANGULO C F	56630		92270	16966	28737	57159				
ANDRADE T DE	6259	ANDREWS R V	26252	ANGULO E	22591	ANTILA M T	96411	APANDI M		65139				
ANDRASIC N	31664	ANDREWS S	26738	ANGULO-CARPIO M D	68422	ANTILA P	62129	APARICIO MACARRO		65242				
ANDRASSY E	102893	ANDREWS W	35878	68611			96537	J B						
ANDRASZAK E	48675	ANDREWS W G	8071	ANGULO-CEDRON F	80681	ANTILA V	44269	APARICIO RUIZ D		63014				
ANDRE	20102	ANDREWS W H	36066	ANGUS H G	29588		96404	65192	34313	74740				
ANDRE A M	51331		56741	ANGUS R C	85508		5755	APATI E		82386				
ANDRE E	45102	ANDREYEV A	66745	ANGUS T A	33000	ANTILIKATOROV B	37936	APEL M D		35523				
		ANDRIAMIHAINGO	101839			ANTILLON E	38192	APELT W		34464				
ANDRE M	42904	ANDRIANO D	12391	ANH N H		ANTINOLFI T	93839	APERDANNIER		12475				
63845	63846	ANDRIENKO L	59774	ANI A S EL	37888	ANTIPIIN D N	30840			95764				
	98482		85895	ANIANSSON G	24058	ANTIPOV KARATAEV	60553	APERDANNIER R		74106				
ANDRE P	24604	ANDRIES A	19670	24125	24126	I N	24127	APINIS A E		2183				
			79261	25551	73932	ANTIPOV N I	100098	APIRION D		762				
ANDRE S	28139	ANDRIESE P C	9860	ANIC M		ANTIPOV V V	9408	APLIN R D		54566				
ANDRE T	48927		19349	ANIK E V		ANTIPOV-KARATAEV	20511	APLIN T R		1283				
ANDREAE B	38653	ANDRIEU P	75295	ANIKEEV A P	93815	I N	98557	APLIN T E H		79756				
ANDREAE U	3515	106597	106598	ANIKIEV V R	9372	ANTIPOVA N L	77450	APMANN R P		80500				
ANDREANI E	103614	ANDRIEU R	22136	ANIKIN E N	77490	ANTKOOWIAK J	16400	APODACA S A		5224				
ANDREANI G	26087	ANDRIEUX C	49589			ANTOINE A	77869	APODACH S A		63498				
ANDREANSZKY G	2	ANDRILENAS P A	82961	ANISIMOV N I	26587	ANTOINE M	73555	APONTE C E	19782	79448				
	17494	ANDRINGA J T	15236	ANISIMOV V YA	68868		98624	APONTE-APONTE F		19593				
ANDREASEN A	56763		53738	ANISIMOV V A	101458	ANTOINE U	42299	APOSTOL G		41962				
ANDREASSEN K	67775	ANDRIVET R	27284	ANISKIN G A	35337	ANTOINE R	2916	APOSTOL T		10423				
ANDREENKO S S	68666	ANDRIYASH L T	61944	ANISKINA Z N	39780	47468	55825	APP A A	887	48512				
ANDREESCU I	11147	ANDRIYESKYI V YA	12780	ANISKOV T S	27792	ANTOINE-MAY G	57292	APP B A		73288				
ANDREEV A	31893	ANDROES G M	78408	ANISTRATOV P V	56558	ANTOLAK T	80775	APP J L		30064				
ANDREEV A S	64686	ANDROIC M	83531	ANJANAMURTHY C	54999	ANTON I	51231	APPADURAI R R		89332				
ANDREEV A V	29981	ANDRONICESCU D	20103	ANKE E	47935		91722	APPAP J H B		25552				
ANDREEV B V	9917	ANDRONICESCU D	79643	ANKE H	92379	ANTON V	62800	APPALANAIU B		18789				
ANDREEV E V	21899	ANDRUS C F	761			ANTONELLI A	103161			68667				
ANDREEV G N	10696	ANDRUSAITTE R	21738	ANKE M	27793	ANTONESCU I	91223	APPANDARAJAN V K		54143				
	10699	ANDRUSHAITTE R YA	31781	31148	47935	ANTONESCU I P	91220	APPASOV R N		4532				
ANDREEV N G	79084	ANDRUSHCHENKO D	59482	71606		ANTONETS H I	4531		63236	63237				
ANDREEV S V	37039	P				ANTONI A	91076	APPEL M		4224				
53463	84115	ANDRYUSHCHENKO V	47934	ANKER L A		ANTONI H	96216	APPELGATE R K		4056				
ANDREEV S W	77489	K	101898	ANLIKER R		ANTONI J	82115	APPELGREN K L		93718				
ANDREEV V S	1282	ANDRYUSHENKO D P	59483	ANNA A D		ANTONIA DI S G I	93816	APPELMAN H	41268	45756				
ANDREEVA G A	67993	ANDRZEJEWSKI J	43559	ANNA F DELL		ANTONIANI C	38791	APPELMANS F		29871				
ANDREEVA I M	2255		73926	ANNAGIEV A A	63060	58959	59140	APPELQVIST L A		10517				
ANDREEVA-FETVAOZ-	78353	ANDRZEJEWSKI M	29470	ANNAMUKHAME-DOV O	22036	ANTONIDES R J	54162	35149	86261	97415				
HIEVA N			49959	ANNAND A M	4742	ANTONIE S	62800	APPELROTH E		50691				
ANDREEVSKAYA L	96402	ANDRZEJEWSKI N	16424	ANNAU E	22936	ANTONNETTI A	15402			70973				
ANDREI M	63035	ANDRZEJEWSKI R	74191	ANNECKE D P	14164	43975	45546	APPELS P		45309				
ANDREI N	61599	ANEMA P	5893	23330	23738	ANTONINI E	55674	APPENDINI M		51462				
ANDREICHEVA N A	12255	ANERUD K	18058		43188	ANTONIO E	52044	APPERT J	58113	73175				
ANDREN F	67994	ANET E F L J	106641	ANNEMA E J	34413	ANTONIO E DI	32523	APPLE J W	14083	42562				
	88679	ANETHAN D	77640	ANNENKOV I P	32422	ANTONIO O	28111	APPELEBAUM S W		73557				
ANDREN H	95369	ANFILOGOV A D	97614		52571	ANTONI U R	102108	APPELEBAUM W		64796				
ANDREN O F	57868	ANFIMOV A M	7827	ANNENKOV V N	82310	ANTONOV M S	73450	APPLEBY A P		29143				
ANDREN T	60828	ANFINOV C B	54094	ANNERAUX R F	63444	ANTONOV S	3574	APPLEGARTH A		93174				
ANDREOTTI R	55124		64117	ANNERGREEN G	61428	92435	92436	APPLEGATE F		62993				
	79724	ANG J K	9652	ANNIBALDI S	5714	ANTONOV V	50690	APPLEGATE F R		82726				
ANDRES J	6430		44588	6421	95763	ANTONOVA G G	77641			93535				
	51595	ANGEL C R	27318		96488		77642	APPLEGATE R D		7				

APT S	ITEM	ARDASHNIKOV S N	ITEM	ARKHIMOVICH A	ITEM	ARNDT U	ITEM	ARRUDA H V DE	ITEM
APTE D P	50225	ARDENNE R VON	38506	ARKHIPOV N I	104806	ARNDT W	49961	--CONT	99305
APTE M L	108051	ARDES P	91370	ARKHIPOVETS A I	82881	ARNELL S	160	ARRUDA M DE L DO	25121
APTED F I C	16401	ARDIITI J	37938		82962	ARNEMAN H F	60244	C	25951
AQUERMAN A L	73122	ARDIITI M	100311	ARKIMA V	96254	ARNES J	26834	ARS V M M	106201
AQUILA C DELL	62657	ARDIZIO P	43798	ARKIN J	56136	ARNESON G N	51203	ARSCOTT G H	22507
AQUILIZAN F A	48802	ARDLEY J H	45164	ARKLEY R J	11375	ARNI P C	91682	22508	31850
ACUINO D I	68626	ARDUIN P	52897	ARLASHCHENKO N I	67393	ARNO J R	90961	ARSENAULT R D	52161
AQUINO R C	70633	ARDUIN P	5123	ARLAUSKAS M	2459	ARNOLD A	84789	ARSENEV D D	30632
ARA F	90510	AREAN V M	23579	ARLE H F	49414	ARNOLD A F	2510	ARSENEVA T V	32338
ARABADZHIEVA D	88878	AREBOCAN V	94808	ARLIT M	6939	ARNOLD A W	68671	ARSENEVA T V	32338
ARABADZHIEVA Z	101693	AREEKUL S	83814		44534	ARNOLD B L	70483	ARSENOV L	94495
	101763	AREF M	26132		65637	ARNOLD C G	763		105461
ARADI E	15091		34782	ARLT R	87611	ARNOLD C R	106145	ARSLANOVA A KH	72126
	84380		34783	ARMAI I		ARNOLD E L	5894	ARSOV R	31723
ARADI M	32652	AREF M M	34825	ARMAINGAUD J	20808	ARNOLD F D	91221	ARSTAL E	40981
ARAGAKI M	498	AREFEVA Z N	80000	ARMAN I P	38506	ARNOLD G W	4334	ARSVULL K	57870
9055	9189	AREKAL G D	37622	ARMAN S	91174	ARNOLD J F	27386	ARTAGAVEYITIA-ALL-	46967
39129	54487	ARELLANO C A	89065	ARMAN V	50565	ARNOLD J P	82963	ENDE R C	
		ARELLANO U M	105152	ARMAND L	84838	ARNOLD K	66469	ARTAJA J M	45625
ARAGOVA G G D	43976	ARENAS-MUNTALVO P	22544	ARMANDO-BERNUDEZ	10419	ARNOLD K A	7630	ARTAMANOVA N P	89631
	65786	AREND A G	61516			ARNOLD L E	19420	ARTAMONOW E	74317
ARAI A	31782	AREND H	4437	ARMANDOLA P	6948	ARNOLD L F	49913	ARTAUD R	76660
ARAI B	29247	AREND J C	21177		29586	ARNOLD L K	86262	ARTEMEV A	24799
ARAI K	18906	ARENDARCIL J	71684	ARMAS A E	45202	ARNOLD M H M	6005	ARTEMEVA M N	26745
	97064	ARENAS GY	45547	ARMAS E DE	6102	ARNOLD P	79546	ARTEMICHEV M A	62925
ARAI M	9653	ARENS R	91026	ARMAS E DE	6102	ARNOLD P T D	3528	ARTEMIOV B T	31244
ARAI N	94588		100910	ARMASESCU I	2509	ARNOLD P W	19135	ARTEMIOV N	29855
ARAI S	33786	ARENTSEN-STEEGER	26928	ARMASESCU S	71020	ARNOLD R W	11376	ARTHAUD R L	52513
ARAI T	107623	ARENTSEN-STEEGER	26929	ARMASESCU V	2755	ARNOLD W	44535	ARTHAUD V H	97123
ARAI Y	36351	S		ARMBRECHT B H	26005	ARNOLD W N	48633	ARTHEY V D	55069
ARAKELIAN A N	32810	ARENTZEN A G J	96556	ARMBRUST D V	2590	ARNOLD W W	11845	55528	74428
ARAKERI H R	56445	96557	96558		70814	ARNOLD-ARBORETUM	8547		107327
ARAKI K	28753	ARENZ B	457	ARMARUST R	30530	ARNOLD-BIK R	91027	ARTHO A J	26333
ARAKI M	86948		18369	ARMARUSTER W J	86200	ARNOLDI K	42850	ARTHPAS T	49136
ARAKI T	27236		47464	ARMEANU M	4381	ARNOLDI K V	42851	ARTHUR A P	64135
ARAMBARRI P	39751		58072	ARMER A	15132	ARNOLDI L V	94809	ARTHUR B W	23220
ARAMBARRI P DE	70264				26243	ARNOLDI W	81456	ARTHUR D R	73506
ARAMBULO P V	72706				53617	ARNOLDI W	888		34232
ARAMBURU H G	51463	ARES-PONS J	74559	ARMESTAR V M A	87238	ARNOLDI W	9691	ARTHUR F M	54749
	61695	ARESHCHENKO V D	30084	ARMIGER L C	68103		19415	ARTHUR G H	103616
ARANBAEV M P	60234	ARESTOV I G	94043	ARMISTEAD W W	44390	ARNON I	28611	ARTHUR H R	91753
ARANDA J M	12166	ARESVIK O	64710		71685		39897	ARTHUR J C	6601
ARANDA L C	64259	ARETIN P C	66746	ARMITAGE A V	6335		89537		107115
ARANDI P YA	3423	FRETHERR VON			15587			44441	85619
ARANGO-TAMAYO F	87300	ARETZ H	96630	ARMITAGE A	74946	ARNOST J	105603		107179
ARANO H	27458	AREVALD K	5225	ARMITAGE F B	109061	ARNOST J	105603	ARTHUR T J	39428
	89064	AREVALD G	7270		12074	ARNOTT G W	45103	ARTIGAS J	94810
ARAUQUE R	19783	AREVALO VELA G	88040	ARMITAGE R H	61186	ARNOTT H J	595	ARTIGAS S DE T	96255
		AREVSHATYAN M S	12964	ARMITAGE R H	65327		37675	ARTINEZ-GROVETTO	184477
ARARAGI M	101803	ARFFMANN E	97184	ARMITAGE R H	103518	ARNOUD B	95598		
ARATA C N	13067	ARFIRE A	11483	ARMOLAITIS E	28784	ARNOLD J P	66258	ARTIOLI D	45077
ARAUJO A B DE	71889	ARGANOSA V G	4530		28846	ARNOLD R	25110	ARTIS J	8051
ARAUJO F C DE	29882		72900	ARMOUR D M	42050		85553	ARTIS J W	8095
ARAUJO F G DE	72444	ARGE R C D	45339	ARMOUR L A D	25955	ARNOLD J	27840	ARTNER X	5947
ARAUJO P	103163	ARGHRIADE C	71336	ARMS F S	90960		105153	ARTSIKHOVSKAYA E	47159
ARAUJO V DE P	5437	ARGHYROUDIS D	45353	ARMS R M	1959	ARNOW P M	52256		
ARAUJO-E-SILVA I	55518	ARGIKAR G P	68613	ARMSBY W A	39427	ARNSEMEYER F W	97142	ARTSUKEVICH S G	11469
P DE		ARGO V N	27794	ARMSON K A	2787	ARNSTEIN P	4681	ARTSYBASHEV E S	102785
AKAVE C W	61945	ARGO V N	46691		21232	ARO P	30635	ARTYKBAEVA KH YU	49591
ARAVENA L	105084	ARGOW K A	2877	ARMSTRONG N	99784		51335	ARTYUKHOV I K	60316
ARAVENA R O	64175	ARGYLE D B	101029	ARMSTRONG D	16770	AROKSZALLASY Z	89333	ARTYUKOV N V	17245
ARAWINKO Z M	28440	ARGYLE H S	10615	ARMSTRONG D A	22384	ARNOFF S	1285	ARTYUSHINA N I	96280
	59248	ARIAS C L	98120	ARMSTRONG D E	90841		48513	ARU L	90750
ARBAEVA Z	77133	ARIAS MARTINEZ P	62730	ARMSTRONG D G	30769	ARONS P	67512	ARUGA H	23480
ARBEGAST M	1817	ARIAS P	22515		51390	ARONSON A L	62242		32491
ARBEITER E	63015	ARIAS R D	14205	ARMSTRONG D L	93603	ARONSON G F	35936	23482	32975
ARBEITER K	32526		42653	ARMSTRONG D L	26742	ARONSON J	43045	83717	105480
ARBESMAN C E	4731	ARIAS-MARTINEZ P	22583	ARMSTRONG F J	39310	ARORA A S	43046	ARUGA Y	28282
ARBuckle J	7935	ARIBISALA T S B	106434	ARMSTRONG G M	16527	ARORA B S	53547	ARUNDEL J H	4356
ARBuckle W S	85432	ARIEV T A	16937	ARMSTRONG H	27078	ARORA G L	31719	ARUTYUNOVA L G	58489
ARBUTHNOT K D	46547	ARIFDZHANOV K A	80145	ARMSTRONG J	62102	ARORA H R K	53422	ARUTYUNOVA M A	47940
ARBUZOV I	73927	ARIFIN N Z	103615	ARMSTRONG J B	40490	ARORA K S	69162	ARUTYUNYAN A S	70484
ARCANGELI C	55510	ARIFIN Z	59304	ARMSTRONG J H	84825	ARORA P K	100099	ARUTYUNYAN N P	80256
	74253	ARIGA H	96418	ARMSTRONG J	51464	ARORA P N	59141	ARUTYUNYAN N S	45291
ARCE A M	36128	ARIKAWA H	20452	ARMSTRONG J A	71449	ARORA R B	79774	ARUTYUNYAN R A	42005
		ARIKI S	2712		71851	ARORA R K	69162	ARVANITOPOL N	62050
ARCELAY C L	5716	ARIMA S	31055	ARMSTRONG J B	71449	ARORA S P	3518		82026
	63190		96452	ARMSTRONG J C	70848			ARVAT N	17971
ARCENEAX G	48071	ARIMIZU K	50597	ARMSTRONG J K	27078	ARORA U	708	ARVAY J	7738
	48468	ARIMORI Y	12463	ARMSTRONG J M	47878	AROSEMENA L C	96931	ARVE N	67586
ARCHARD L M V	16196	ARIMOTO H	33787	ARMSTRONG M D	100408	ARPAI J	54972	ARVESEN A	40749
ARCHBOLD L	107613	ARIMOTO K	53094	ARMSTRONG M T	6356	ARPI G	60828	ARVIEU J C	101694
ARCHER B L	86384	ARIMURA S	29430		75198	ARPON A T	13001	ARVY L	22792
ARCHER F C	11220		60251	ARMSTRONG R W	4882	ARRAND J	71686		62654
ARCHER K C	54595	ARINSSTEIN A I	28568		14224	ARRAND J C	94478	ARWIDSSON E	88681
ARCHER L W	67802		59296	ARMSTRONG T	49829	ARRANZ F	52955		94496
ARCHER LOCK A	7976	ARIPOV E A	2092	ARMSTRONG W	90956	ARRAUDEAU M	20383	ARX J A VON	99053
ARCHER R C	15017	ARISANO I	49591	ARMSTRONG W A	92610	ARREDONDO-RAMIREZ	19477	ARYA H C	9654
ARCHER R K	61698	ARISOY S	76683	ARMSTRONG W D	1682		70689		52910
ARCHER S G	80691	ARISTEGUIETA L	17634		65193	ARRIETA-MATEOS D	88558	ARZAMASAW I T	42909
ARCHER T E	35150		67803	ARMSTRONG-HINTON	46430	ARRIGO C M D	94354	ARZAMATSEVA L V	108977
	43896	ARISTIZABAL C O	26644		99143	ARRIGONI O	70433	ARZENO A R	41738
ARCHER-LOCK A	56135	ARISTOTLE	92035	ARMY T J	28446	ARRINGTON E H	37623	ARZUZ M	18230
ARCHIBALD A W	26741	ARISTOVA A	51870	ARNADA-BAEZA G	101845	ARRINGTON L R	28869	ARZUMANYAN E A	12781
ARCHIBALD J	61699	ARISTOVA J	97822	ARNAL C	52007		3045	ARZUMANYAN G A	71419
	82379	ARISTOVSKAYA T V	8367	ARNALL L	52007	ARRO I V	12941	ASABU K	31783
ARCHIBALD J A	47938		11318	ARNAUDOV N	88001	ARROS J	13795	ASAH I M	52352
	47939	ARISUMI T	37939	ARNAUD P H	5226	ARROYO V	92808	ASAH I O	42288
ARCHIBALD R L	6777	ARISZ W H	68670		23634	ARROYO VARELA M	52172	ASAH I T	37940
ARCHIBALD R M	3517	ARITUMI M	1284	ARNAUD R J S	29589	ARROYO H	105545	ASAHINA E	89334
ARCHTERSTAAT J	66985	ARITURK E	32171		49834	ARROYO VARELA M	63603	ASAHINA Y	186
ARCIERI A	5971	ARIYAMA H	48188	ARNAUD C	36497	ARROYO-AQUILU J A	22037	ASAHIRA T	100355
ARCILA D F	91139	ARIYOSHI H	51279	ARNAULT G	31243	ARROYO-HERRERA A	11867	ASAI K	27373
ARCISEWSKI H E	25562	ARIYOSHI S	41952	ARNAUTOV V I	106261	ARROYO-RAMOS D	69501	ASAI T	74519
	25569	ARIZMENDI POSADA	66324	ARNBOGT T	19942	ARROYO-VARELA M	27079	ASAI Y	79
ARCULARIUS H	17321	O		ARNOT J	28291		105249	ASAKAWA S	37941
	36469	ARKEL K P VAN	19941	ARNOT J G D	44430	ARROYO-VARELA V	85113		40656
ARD H N	61295		36765	ARNOT J R	3784		96289	ASAKURA A	91560
ARDALAN A	42188	ARKHANGELSKII N N	73038	ARNOT J R	89779	ARRU G M	73299	ASAMA K	37624
						ARRUDA H V DE	10094	ASAMI S	29590
								ASANA R D	27795
									58490



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM						
ASANBAEV O A	50359	ASHRAF M	23739	ASTRUP H --CONT	74850	ATSATT P R	18795	AULT W C	27444	ITEM	55646
ASANDEI N	61445	61446	94355	105350	93759	ATSEV G	92555	AULTMAN D A		39328	
ASANDEI-CENATESCU	61560	ASHRAFI S H	23028	18060	74851	ATSUMI T	27051		70051	85821	
ASANDEI-CERNATES- CU A	61560	ASHRI A	48928	32578	71890	ATTAL J	103416	AUMER M		21104	
ASANO I	51205	ASHRIF M I		58205	ASTUDILLO C V M	31049	ATTAR A EL	78040	AUNAN W J	65879	
ASANO J		ASHTON F M	596	29663	ASTUDILLO V	72866	ATTAWAY J A		AUNON P C	54752	
ASANO N				9655	ASTUDILLO-BRAVO J	101845			AUPETIT A	55754	
ASANO S	14651	ASHTON G C	4030	89336	ASTWOOD E B	73492	ATTEBERY J T	103521	AURA K	58492	
ASANOVA R B	73701	23612	41407	4357	ASUNMAA S	12355	ATTENBERGER J	21212	AURAND L W	6375	24933
ASANOVA V K	50763	45107	51712	47221	ASUYAMA H	77725	ATTERSON J	30435	34020	65035	106950
	78356	ASHTON J		86150	ASVADUROV H	39819			AURANGZEB S		37625
	92688	ASHTON J W	15508	26588	ASVANY A	39073	ATTIAH H H	13911	AUREL C	96560	
	99268			34228	ASWATHANARAYANA N	18488			AURELIU C	31470	32006
ASANTE G S	48514			54448			ATTIKOV M A		50827		
ASANUMA K	13986	ASHTON P S		57533	ATABAEV G	108502	ATTIWILL P M		39838	AURELL R	21561
ASAO T		ASHTON W M		61701	ATAREKOV N	11580	ATTIOE O J	2209	2312	61341	61430
ASARE L A		ASHURMETOV I		90462	ATAEVA M	23181		91397	101656	AURIOL P	82006
ASAROV KH K		ASHWORTH C T		41340	ATAI M		ATTWOOD E A		26744	AURIOL P	6508
		ASHWORTH F L		101169	ATAL C K	10157			27614	AURLIEN O	82928
ASAY R		ASHWORTH L J		37176			ATUMI K		27799	AURUMYAN A	16771
ASAYAMA E	10697	ASHWORTH R P		18487	ATAMANCHUKOV G D	102987	ATWAL A S	33073	33074	AUSLAND T	80919
ASAYAMA K	62678	ASHWORTH U S		61969	ATANASIU L	10018	ATWOOD C E	5450	5451	AUST S D	72124
				65034	ATANASIU P	91905	23798	33321	95324	AUSTEN V C	1803
ASBELL C W		ASHWORTH V S		85270	ATANASIOFF D	18266	ATWOOD H B		94045	AUSTER F	39583
ASBUN W L		ASIKIN	4307	52388		18691	ATWOOD J W		15309	AUSTERN H T	34692
ASBURY A C	62588	ASIN H R G		8072	ATANASOV A	40601	ATWOOD K C	23635	48175	AUSTIN A	6949
ASCANI F	18792	ASKELSON C E		62721		101937			58206	7023	16073
	75185	ASKEROV K M		49962	ATANASOV B	50826	ATWOOD P D		85562		107431
ASCARELLI I		ASKEW R R	23815	33294	ATANASOV D	47058	ATYEO W T	23537	23538	AUSTIN C R	72548
				84067	ATAULLAEV N A	18061			94811	AUSTIN F H	82142
ASCENSO J C		ASKEW W		17135	ATAULLAH M	58491	ATZENI S		97691	AUSTIN F J	4754
ASCHAFFENBURG R		ASKEW W R	25558	75361	ATCHINSON J E	18692	AU S		58022	AUSTIN G T	6847
ASCHBACHER P W			76723	107430	ATCHINSON J E	6591	AUBER J		43047	AUSTIN H F	6847
	62061	ASKLING M		72982	44431	55827	AUBER M		23540	AUSTIN J C	104690
ASCHEMAN R E		ASKMAN B		11688	ATCOSHENKO M D	108424	AUBERT G	20512	29955	AUSTIN J H	89337
		ASLAM M	26006	102892	ATEN R I	65639		80146	80147	AUSTIN J W	32273
ASCHENBRENNER H		ASLANBEY D		21927	ATESALP H M	80298	AUBERT J	23940	23941	AUSTIN M D	94357
ASCHER D B		ASLANDER A		46431	ATGER P	53464	AUBERT J F	43189	43190	AUSTIN R B	10899
ASCHER K R S		ASLANOV KH A		10156	ATHAR S M	103520	64136	84068	95278		37943
63375	83122	ASLANOV V E		11511	ATHAVALA G R	107903			95279	AUSTIN R D	65968
ASCHHOFF G		ASMERKA J		4613	ATHENSTEDT M	26245	AUBERT M		100101	AUSTIN S W	289
ASCHMANN H		ASMUNDSON V S		4042		97443	AUBERT S D	54246	85416	AUSTIN T	30198
ASCOLI W		ASMUSSEN L E		70242	ATHERTON G H	50878	AUBERTIN G M		27800	AUSTIN V H	103955
ASDELL S A	22117	ASNES H		54832		102940			90828	AUSTIN W G L	29146
		ASO P J	49963	78469	ATHERTON H V	6422	AUBINEAU M	28612	53618	AUSTWICK P K C	17909
		ASO S	890	9656	24903	53765	AUBLET F		88189		81711
ASDONK T		ASO T	18793	30177	74284	85378	AUBOURG R	45402	56669	AUTHEMENT E F	9900
ASDRUBALI G		ASPER H		27194	ATHERTON P G	55900	ABBREVILLE A		8669	AUTHENS W	74712
ASDRUBALI M		ASPER J H		19943	ATHMER L	8192		9373	17635	AUTREY K M	62156
ASEEVA K B		ASPIGALLA G		35588	ATHOW K L	8899		46692	46815	AUTRUM H	14388
ASEN S	79019	ASPINALL D	27798	58792	ATIA A E R	42015		67804	77134	32989	63809
ASENJO C F		ASPINALL G O		74318	ATICH S	86701		77299	77300	77301	105413
ASFLOUR E		ASPINALL R L		31880	ATIER R A	105122	AUBREY J N		72986	AUTY J H	86380
ASGHAR A		ASPINALL W N		35973	ATIKINS I M	100842	AUBRY M		54793	AUVIL G	1774
ASGHAR A G	83501	ASPLUND A	17313	40982	ATKIN J D	20106	AUCLAIR J	24890	43519	AUWERA H VAN DER	55228
ASH G W		ASPLUND J M		81483	ATKIN R K	99269		96432	96552	75364	96932
ASH I				81810	ATKINS A P	75499	AUCLAIR J L		14766	AUZAC J D	58960
ASH J F				81811	ATKINS C D	58839	23740	52825	87911	97410	100104
ASH J L				82141	ATKINS E L	83396			95250	AVADHANI P N	19118
ASH L R				95599		94361	AUCLAIR M	4358	92687	AVAEV S A	54759
ASH R W	32221	ASPLUND R D		11770	ATKINS F	67513			93627	AVAKYAN A	8901
52411	93635	ASPUCK H	42367	83395	ATKINS I M	1519	AUDEMARD H	32811	52927	AVAKYAN A D	27801
ASH W J		ASQUER P		15809	19553	44854			94356	AVAKYAN A O	74742
ASHBAUGH F A		ASQUITH D	57750	26743	ATKINS J G	58782	AUDEMARD M H		94285	AVAKYAN A S	41740
		ASRUROV I P		35570	69404	79118	AUDIAU F		55457	AVAKYAN N O	29471
ASHBY D G		ASS M YA		63808	ATKINS M D	48835	AUDIBERT M		77644		39900
ASHBY E J		ASSAF R	9501	39016	ATKINS R E	19531	AUDIDIER		6260	AVAKYAN V A	20107
ASHBY N				61346	ATKINS S W	45882	AUDIOIER L		39899	AVALL H	11551
ASHBY W C	77987	ASSARSSON A		61552	ATKINSON B	29024	AUDIOIER M		56235	AVALL K	75296
		ASSAWAH M W		27143	ATKINSON F E	96890	AUDIER A G		74741	AVANTS J K	100105
ASHCROFT G L				57871	ATKINSON F J B	107329	AUDIER H		48562	AVANZI S	75981
27608	47926	ASSCHE C VAN		9068	ATKINSON G	93905	AUDIVERT R		54751		85442
ASHDOWN R R		37178	57940	77733	ATKINSON I A E	103749	AUDRAN J C		68423	AVANZU E	37627
				99533	ATKINSON J A	36688	AUDREN M L		15684	AVAZOVA M A	21146
ASHDOWN T W G		ASSCHE F VAN		20104	ATKINSON J A	84560	AUDRY P		5565	AVAZOVA V D	66016
ASHE G G		ASSELBERGS C J		26244	ATKINSON J H	106390	AUDSLEY M C		7127	AVDEEV N	74068
ASHE H		45311	86441	86441	ATKINSON J O	46537	AUDUS L J	38305	69184	AVDEEV V D	47611
ASHE H J		ASSELBERGS E A		55019	ATKINSON J N	7646		100102	101784	AVDEEVA E V	79083
ASHE H J		ASSEMIEP P		36766	26455	65902	AUER L		64909	AVDONIN N S	11454
ASHE W F		ASSENMACHER I		93176	ATKINSON K M	108077	AUERBACH E		25991		89338
ASHEIM A	41739			104308	ATKINSON L N	108136	AUERBACH S I		47610	AVELA E	11455
72369	103953	ASSIS F DE P		41479		47588	AUFERSCHE U		84206	AVELLANEDA J M	34554
104021	104097	41480	41481	41482	ATKINSON L R	3112	AUFERMAUR A N		36549	AVELLEN L	76964
ASHEIM K M	2997	41483	41484	41531	ATKINSON M R	3113	AUFHAMMER G		91443	AVELLINI G	90382
				42159	ATKINSON O R	99820		85899	85900	AVENET A	31473
ASHEP A		ASSMANN E	11947	17316	ATKINSON R E	22810	AUGELLI J		27052	AVENET A W	42711
ASHEP A B		17395	17415	61053		102608	AUGHANBAUGH J		21213		63661
ASHER W C	2852	76952	80965	81036	ATKINSON T G	49033	AUGIER E		83482	AVENT K L	6689
	27796	ASSO J	41269	103619	ATKINSON W A	101272	AUGIER J		70378	AVERBECK W	66363
ASHFORD A A		ASSORINA I A		90112	ATKINSON W O	22510	AUGSBURG E P		30551	AVERDUNK	92143
ASHFORD R	38222	ASTADZHOV N		32000	ATKINSON W T	6611	AUGSTEN H		892	AVERDUNK G	21979
		ASTADZHOV A I		28537		25154	AUGUADRA P	12943	30843		75732
ASHHURST D E		ASTAKHOV A N K		107293	ATLAS M	48252	31123	31423	32330	AVERRICK S K	50828
		ASTAKHOV B L		83325	ATLAVINYTE D	49964			32331	AVERRER C W	99545
ASHIKAGA T		ASTAURUV A K		42835		69128	AUGULO-VALDES C		17015	AVERS C J	19264
ASHIKAWA K	83393			46115	ATLEE C B	891	AUGUSTIN E		49147		69195
ASHIKAWA T		ASTEN N		98121		48835	AUGUSTIN G A		72127	AVERY D J	93337
ASHIKHIM A V		ASTHANA A N		54018		101418	AUGUSTIN H	2931	12453	AVERY D R	92384
ASHIMBETOV K		ASTHANA M N		100024	ATMADILAGA	52388	AUGUSTIN S		16135	AVERY D T	107294
ASHIZAWA M		ASTIER-MANIFACIER		40752	ATMADILAGA D	4307	AUGUSTIN-HENRIQU- EZ P		35069	AVERY G	40536
ASHIZAWA M				107737	ATMADILAGA S	4307			26180	AVERY J A	14905
ASHIZU A		ASTON A	95157	95370	ATMADILAGA S	29223	AUGUSTINE G M		5124	AVERY R J	3519
ASHLEY D A	17495	ASTON J L		90381	ATMADILAGA S	29223	AUGUSTINE M G		33075	AVERYANOV S F	50217
	49592	ASTRAND H		95402	ATMADILAGA S	29223			33075		50226
ASHLEY J		ASTRAND P O		108910	ATMADILAGA S	29223	AUGUSTINE M T		91030	AVETISYAN G A	73039
ASHLEY T		ASTRUP H	21739	32368	ATMADILAGA S	29223	AUGUSTINE M T		91030		78357
ASHLOCK P D				74849	ATMADILAGA S	29223	AUGUSTINE M T		91030	AVETISYAN V E	46817
					ATMADILAGA S	29223			38792		57534
ASHLOCK P E					ATMADILAGA S	29223			80259	AVEY J A	62429
ASHMAV F					ATMADILAGA S	29223			52066	AVI-DOR Y	23725
ASHMAN R B					ATMADILAGA S	29223			92461	AVILES C M A	87387
ASHMAVY H M					ATMADILAGA S	29223			52067		87567
ASHMORE J					ATMADILAGA S	29223			52067		
ASHRAF A	56075				ATMADILAGA S	29223			52067		
ASHRAF ALAM M I	62354				ATMADILAGA S	29223			52067		

ITEM	ITEM	ITEM	ITEM	ITEM
AVILES M A 87568 87569	AZIM A 43191 84069	BACHARZ J 22569	BADICA M 28888	BAIGACHEVA K 53713
AVILES-ALGARRA J 32579	84070	BACHE B W 11222 60109	BADIEI A A 89343	BAIJAL U 8855 26939
90298 97186 105200	AZIMOV G I 22038	BACHE C A 41561 54974	BADIEI S E 19318	BAIKIE J 17023
105251 107700	AZIMOVA Z 78358	62062 72227 75184	BADILLO V M 17636	BAIKOW V E 16403
AVILES-SOMMERS C 101846	AZIN L A 7405	79759	BADIN G 76236	BAIL A 7703
AVILOV I A 89339	AZIZ M A 19479 19480	BACHE D 63186	BADINGS H T 6706	BAIL V 74069
AVILOV V S 81704 81836	25559 37945 100025	BACHE D H 22923	15732 24991	BAILEY A J 107661
81837	AZIZOV M 40251	BACHE T 109145	BADIRYAN G G 66747	BAILEY B H 41755
81088	AZNIEV YU N 71218	BACHELARD E P 30351	BADMAN H G 4165 52244	BAILEY C B 82859
AVUTIN-PAVLOV K 11481	AZOVTEV 21740	BACHELDER S 47076	93245	BAILEY C H 49072
YA 80688	AZOVTEVA T V 80688	BACHELIER G 39764	BADNJAREVIC E R 55477	BAILEY C M 32471
AVRAAMOVA D P 2241	AZUMA H 76326 85890	BACHELLER G 57096	BADOUX S 38812 38813	BAILEY D R 79760 79761
AVRAM C 2773	87239	BACHINSKII V P 72599	38814 48804 78360	BAILEY E 1819 19858
AVRAMENKO I D 105351	AZUMA J 11423	BACHMAIR F 84071	BADRAN O A 21657 61008	BAILEY E P 31897
105352	AZUMA S 33788	BACHMAIR K 53607	BADRE M L 9227	BAILEY E T 10005 90114
38419	AZUMA T 35744 83685	BACHMAN B 64935	BADRELDIN A L 52155	BAILEY F 6950 17249
AVRON M 18796 78906	AZURIN J C 20586 60317	BACHMAN K 45408	52340 52342	BAILEY F 26505 35493
48115 10699	AZZAM H 43585	BACHMAN K L 5975	38154	45629 66423 76726
AVRORIN N A 88961	AZZI G M 163051	46113 108854	BADRUDDOZA K M 63441	86624 107554
21897	AZZOLA F K 163051	16611	BADRY E A EL 13479	BAILEY F L 39329 65549
AVSYRKEVICH V 37179		64059 64060 64074	BADSTUE P B 107032	BAILEY G W 101695
AVUNDOZHAN E S 18797		64087	BADURA R 31245 63238	BAILEY H C 69731
AW D 19478 48677		17873	52009 52010 63378	BAILEY H G 17373
		BACHMANN C 105353	51124	BAILEY I W 18489 37629
AWAD F I 12944		BACHMANN F 51221	BAECHLER R H 71420	89068
AWAD M M 37944	BA A 52412	BACHMANN G 12783	BAEHNI C 80 67631	BAILEY J B 52685
AWADHIYA R P 3520	BAAK C P H VAN 11689	BACHMANN H 12783	BAELUM J 16343 22511	BAILEY J C 14177 105264
	BAAK C VAN 77050	BACHMANN L 59417 69630	22687 22698 27178	BAILEY J L 19265 33980
AWADY M N EL 104309	BAAK W 30199	BACHMANN O 5756	104473	100107
AWAIS M 26274	BAALSRUD N I 13184	BACHMANN R W 58136	BAENITZ W 26037	BAILEY J S 29149 29273
AWAN A B 90842	BAAR H R 46538	BACHMURA F T 45548	BAENZIGER H 8989	BAILEY J W 31249 82145
AWASAWA M 27646	BAARDSETH E 89067	46083 66469 86793	78115	BAILEY K V 36304 46432
AWASHIMA Y 48803 49674	BAARDSETH K 17318	BACHOWSKI L 65787	BAER A S 14721	46433
AWASTHI D D 46968	BAARSCHERS W H 89779	BACHRACH H L 61733	BAER C H 100106	BAILEY L 23418 73341
AWATRAMANI N A 37180	BAART F 96456	92029 104825 54128	BAER E F 54128	73500 94498 94499
40035 70596	BAAS E 36446	BACHTEEV F C 87912	BAER H 10261	105414 135415
AWAYA C 81089	BABA H 64272	BACHTHALER G 10994	BAER S 75485	BAILEY L F 48218
AWDEH Z 52467	BABA K 14348 86792	BACHURIN A 29148	BAERE R DE 103821	BAILEY L H 98566
AWDRI Y 5974	BABA Y 86949 85262	BACHY A 60318 79871	BAERG W J 23541	BAILEY L W 77998 80148
AXELROD B 59021	BABAD H 54513	BACK E L 21665 91554	BAERMAN R 57259	BAILEY M 37041 37142
AXELROD D I 8549	BABAD Y 11690	BACK M E 9742	BAERUG R 70485 101902	37143 38992 38993
	BABAEV A G 103620	BACK W 20809	BAETS A DE 78361	39012 99261
	BARAK I M 70337	BACK W B 35745 66434	BAETZ R A 74319	BAILEY M E 25836 34936
AXELROD L C 91397	BABAK N M 68104 47203	66434	BAEUMER K 89962	55443 72971
AXELSEN A 13632	BABAYAN A A 15469	91012	BAEV A B 25560	BAILEY M G 86951
AXELSSON H 21147	BABAYAN V K 24502	62938	BAEV A I 16612	BAILEY M H 88642
AXELSSON I 7010	BABB E M 15665 24502	90961	BAEV G M 12945	BAILEY P H 36622 43524
AXFORD D W E 85901	85188	67805	BAEVSKY U B 82418	64402 64445 66293
AXFORD R F E 93667	106935	25227	BAEYENS F 9324	66315 116628
	85188	BACKGREN A 92679	BAEZ H 22244	BAILEY P J 91577
AXIONOVA I 102210	106935	BACKHAUS J 108911	BAEZA F 52795	BAILEY R 8550
AXLEY J H 48093	HABCOCK 98547	104775	BAFORT J 42912 42914	BAILEY R A 35460
AXLING H L 56767	HABCOCK G F 7002	77049	BAGAEV V B 27802 68677	BAILEY R M 5377 69947
AXTELL R C 5062 53167	16341 25776	61319	BAGANZ K 15133 95799	69948
AXTEN R 42212	HABCOCK H M 11876	BAGMAN O 91670	BAGATURIYA E A 101903	BAILEY R W 1287 3521
AXTON T P 16566 45479	HABCOCK J K 86623	BAGMAN V 8194 56961	BAGBY J 59776	70810
	HABCOCK K L 20409	107786	BAGDAVADZE A I 64176	BAILEY S F 73883
AYALA A 18385 77944	HABCOCK W E 93240	51043	BAGDONAITE A 37541	BAILEY S K 7812 86596
AYALA J T 104388	108364	80895	BAGDODA G 4359 61705	BAILEY T L W 107116
AYALON N 4330 42141	BAHEK Z 161702	BAGSTROM G 13366	BAGENT J L 63397	BAILEY V 15193
AYAZ A A 107433	BAHEMETO E 49967	52504	BAGGA S 23962 73901	BAILEY V K 1820
AYHR N 87389	BAHENKO N 21012	61704	BAGGE F 96188	BAILEY W C 67107
AYCARDI J 22584	BAHENKO N V 35127	30239	BAGGE J 8448 15609	BAILEY W H 40620
AYCOCK R 327 37235	BAHER T 62490	55700	HAGGETT B 31736 104188	BAILEY W K 99447
	BAHERO R B 30331	21656	BAGGI A 82525	BAILEY W R 26397 45757
AYCOCK W D 10993	BAHEU R G 78497	BAGGI A 82525	BAGGIOLINI M 83398	BAILEY W S 13224 103956
AYDENIZ A 48091	BAHICH A G 25084	93210	BAGHI I 100913	BAILLIE J H 20218 74147
AYENSU E S 57652	BAHICH KH KH 70310	17905 67940	BAGHINSCHI V 2539	74192
AYERS A D 40146	BABICHEVA E V 106262	67967 99071	BAGIROV D M 41562	BAILLAUD L 37946 58529
AYERS G 42654	BABICKI R 41141	87390 108765	BAGLEY W P 27948	58678
AYERS H D 20565	BABII P 106262	BACAN A S 87390 108765	BAGLEY W T 1918 41062	BAILLIE W E 95932
AYERS J E 96845	BABILAS P 28257 48492	BACAN D D 90982	69946	BAILLIE W F 74148
AYERS T T 57451	BABIN P A 26102	BACAN M 4785 23809	31247	BAILLOT-DESTIVAUX 74561
AYERS W A 20474	BABINI A 51465	BACAN O G 42563 63376	31248	
AYERST G 65737	BABININA V 25032	100351	BAGNALL B H 39429	BAILLY F 39685 60110
AYESTA C L 8076	BABKIN A F 93628	BACAN R F 84207	39430 39431	BAILOSOFF D 75648
AYGUN S T 81712	BABKINA A A 13525	BACAN W 41954	BAGNIS G 20810	BAILOV D 328 101088
AYLESWORTH J W 9000	BABKOV I 56368	BACS I 2925	BAGNETSOV V F 11278	BAILOV F 87158
	BABO A 28570 94649	BACSA P 38683 49405	BAGROV M N 80502 102109	BAIN A M 72470
AYLESWORTH P 11173 17464	BABOS I 40537	BACSKAI V 77053	BAGROV M N 80502 102109	BAIN R M 25384 44536
AYLMER T 13433	BABOS P 442 18267	BACSO D 41410 41411	BAGSHAW F A 69892	BAIN C W 45954
AYLWARD F 96082	18268	BACSO N 77989	BAGUENA L 23581	BAIN D C 47709
AYMOND G 78081	BABOSHIN B K 102994	BACVAROVA T 8597	BAGULEY M J 102929	BAIN P 34064
AYMONIN G 36610 36767	BABOSHINA N A 81808	BACZURYN H F 68339	47708	BAIN R V S 3953
AYRE G L 23779	BABOVIC M V 9195	BACZYNSKI Z 30844	5376	BAINBOROUGH A R 32705
AYRE-SMITH R A 51713	BABRIKOV D 36648 38207	BAD D 75549	BAHADUR J 58494	BAINER R 5746
	38208 68883 69795	BADALOV P P 102609	BAHADUR K 56369	BAINES A H J 27285
AYRES A S 2093 2176	HABU C N 48946	BADAMI R C 7233 7234	BAHADEAN A A 43679	BAINES R C 47568
11221 48420 49966	BABUDIERI B 56768	45104	BAHAIR Z 79547	BAINES S 65106
AYRES J C 45028 45029	93177	71082	BAHL H C 44066	BAINS G S 7305 54283
55441 55720 97275	BABUK V 43415	63061	BAHMANYAR M 94046	BAINS S S 100108
AYTUG B 81583	BABUSHKIN L N 68674	19055	BAHNDOFF E 12075 50434	BAINTNER K 16074 22701
AYURAKIT-KOSOL L 4682	68675	BADANIN N V 30685	BAHRAOUI A 70690	41905 51429 61619
AYUZAWA C 83684	BABYAN V O 27459	BADANIN P A 19213	BAHRS F 22139	61620 62996
AYYAPPA P K 5125	BACA R C DE 32314	BADANOVA K A 19213	BAHTEJEV F 109065	BAIR 98435
AZAD R M 14084	32315 32377 71892	BADAWI A I EL 45078	BAHUGUNA J P 2960	BAIR F L 80057 90883
AZAM K N 73784	BACAUANU V 70809	BADDER F G 28284	BAIA G 62063 91808	BAIRACHI-LEVY J 103168
AZAMI S 62806 91031	BACCARINI G 82526	BADE M L 73851	BAIBURTTSYAN A A 32249	
AZARIAH M D 105155	BACCETTI C 53381	BADEA E 63454	63105	BAIRAKIMOV S I 59144
AZARKH Z 25956	BACCHI G 104873	BADEA I 11657 29847	BAICHLY P 97802	BAIRAMUKOVA M M 35522
AZAROWSKA K 76867	BACCCHI O 10088 15509	BADENHUIZEN N 89780	BAICU T 2626	BAIRASHEV A 19594
AZBUKIN YU M 102565	BACEA N 15896	BADENHUIZEN N P 9374	65532	BAIRD C O 80920
AZEMA P 54403	BACH B 7524	BADGER D D 55047 65403	82794	BAIRD D D 19101 29773
AZEREDO J 37148	BACH D 99821	BADGER R K 8044	BAIER 98485	BAIRD D M 63499 104637
AZEREDO J F DE 62479	BACH E 98869	BADGLEY M E 53475	BAIER M 52684 63377	BAIRD E R 62157
AZEVEDO J L DE 42824	BACH H 17010 45628	BADHE N N 101660	BAIER W 12946 47943	BAIRD K 25125
63732	BACH P DE 53451	BADHWAR R L 29388	51815 82143 82144	BAIRD S F 76953 83729
88682		39584 45154	BAIER W E 17230 34093	BAIRD W P 19944
AZEVEDO N DE 39641		52413	54245	BAISDEN L A 4607
AZEVEDO D DE 70265				52650 104902
AZEVEDO W R 7440				BAISHEV A N 7829
AZEYANAGI E 93051				
AZGUN Y 92144				
AZIBERT R 34841				



ITEM			ITEM			ITEM			ITEM			ITEM		
BAISHEV A N--CONT	84565	BAKER J L	15576	16848	BALABAN M	13508	BALDINI S	108365	BALLAND R	49699				
BAISHEV B	80647	BAKER J M		42958	BALACEANU V	39863	BALDINI U	36146	BALLANTYNE A K	11378				
BAISTED D J	27804	BAKER J P	82904	102834	BALACI C	15105	BALDO J I	8074	8075	49836				
BAITIN A A	71124	BAKER J R	4688	23114	BALACI P	31360	BALDO S	49779	101701	1238				
BAITUP F	64383		33489	52784			BALDINI R		26598	18801				
BAIZE-COVILLE H	66558	BAKER J V		99270	BALADIN I G		BALDRIDGE D E		90228	51466				
BAJ L	5971	BAKER K F	37040	67997	BALAGEZYAN N V		BALDRY D A T		32654	76727				
BAJAI J	19595	BAKER L		96765	BALAKRISHNAN M P			83211	83212	53012				
	89995	BAKER L A	22599	31532			BALDUCCI D		30971	31881				
BAJAJ A N	2960	BAKER L H		93404	BALAKRISHNAN M S		BALDUF W V		95158					
BAJAJ B S	47242	BAKER L N	13796	52496	BALAKRISHNAN N P		BALDVINSSON T		64384	49148				
BAJAJ S C	61531	BAKER M L		36572		36743	BALDWIN B A		4360	37042				
BAJAJ Y P S	27527	BAKER M P		36470	BALAKRISHNAN V			4361	104626	1804				
BAJALICA D	56370	BAKER N F	72140	72174	BALAN C		BALDWIN C H		18241	28027				
BAJAN I C	37260	BAKER P T		27286	BALAN E	20124	BALOWIN C S		10532	10019				
BAJAN K	56904	BAKER R	7340	68825	BALAN S	60236	BALOWIN D	22720	45203	88262				
BAJCURA M	2973			86952	BALAN V		BALOWIN D D		71219	66547				
BAJER A	9375	BAKER R C	35218	35219	BALANDIN I G		BALOWIN D E		104195					
	78082		35283	45229	BALANFANU C		BALOWIN E J		69166	1666				
BAJESCU I	2399			97331	BALANFANU L		BALOWIN F B		44306					
	101684	BAKER R D	59307	62064	BALANESCU F		BALOWIN F M		56769					
BAJESCU N	20588		91809	102474			BALOWIN F N		98017	50360				
BAJNOGEL F	21741	BAKER R F	72985	103169	BALANI J T		BALOWIN H H		99855					
BAJO S	42108	BAKER R H	2559	5350	BALASA M	893	BALOWIN H I		61009	77303				
BAJOR F	13894		16877	22442	BALASCAC J		BALOWIN H L		60693	34338				
BAJPAI M R	79862		23971	73687	BALASESCU M			10310	11456	57380				
BAJPAI P D	11357			95119			BALDWIN J T		59678	86413				
BAJPAI P K	4022	BAKER R J	6532	27661	BALASHENKO S		BALDWIN K D S		87240	27809				
	62679	BAKER R L	26174	97272	BALASHEV N N		BALDWIN P L		102299	30950				
BAJPAI P N	58810	BAKER R O		53906	BALASHOV Y U		BALDWIN R	15936	16211	76584				
		BAKER R S	90654	100170	BALASHOVA L			55540	65840	16404				
BAJPAI R K	79063	BAKER S		2139	BALASHOVA N N		BALDWIN R E		76856	38209				
BAJPAI Y K	60319	BAKER S S		90246	BALASHOVA S G				98351	40147				
BAJRAKTARI F	56236	BAKER T N		71535	BALASSA R	8195	BALDWIN R L		3115	99271				
BAJTAS Z	59306	BAKER W B		27071	BALASSA GY		BALDWIN W F		105811	21119				
BAJWA G S	3522	BAKER W G		89340	BALASUBRAMANIAM E		BALDY C	18800	38092	70350				

	ITEM		ITEM		ITEM		ITEM		ITEM
BALZOTTI L	11691	BANKS W C	3785 93179	BARAUD J	33077 33078	BARE-FOOT A D	80555	BARMORE M A	ITEM
BAM A S	15510 24608		104028		64201 108950	BAREFOOT A C	3015		25562
BAMANN E	13367	BANKS W G	2862 61211	BARBACKI S	9549		81484	BARNA B	25569 25571
BAMBACIONI V M	8557		102786	BARBALIC L	47948	BAREGGI G	41389	BARNACLE J E	81371
BAMBER R K	41151 61526	BANKS W M	14911	BARBANCHO A G	36013	BAREISS G	23982 76051	BARNARD A	6595
BAMBERG S A	37584	BANKSON M M	8825	BARBARICH A I	87913		84265 84266	BARNARD C S	45758
BAMBERGER K	4122	BANNAN M W	9376 27460	BARBARO A D	98387	BARELLA A	6593 6594		7640
	104311		71567	BARBAROSA E	62800		25126 44437 65247	BARNARD D	45759 45799
BAMBERGER T	85904	BANNERJEE R M	96934	BARBAT I	100765		65248 85563 107120	BARNARD E E	86383
BAMBEY C R A	96058	BANNIKOV A H	98418	BARBE G D	52975	BARELMANN H	12076		89342
BAMFORD C H	107118	BANNIKOVA V A	100111	BARBEE T	58469	BARENDRECHT G	8449	BARNARD J R	75951
BAMI H L	63378	BANNIKOVA V P	79116	BARBER C	56962	BARENFUS M	12949	BARNARD J W	80683
BAMONTE T	58498 80504	BANNINK W E	63446	BARBER C H	27179	BARETH C	95600	BARNARD L C	39050
BAMPING J H	40491	BANNISTER G L	4224	BARBER C W	22477 52174	BARFIELD A	25897 35031	BARNARD N H	74480
	50904 102434	BANNISTER M H	102610			BARFIELD W G	49150	BARNARD T I	10700
BAMPS P	17637	BANNISTER P	100112	BARBER D	7829	BARFORD R A	16488	BARNEA R	42141
BAMPTON S S	3116	BANNO I	99086	BARBER E G	70462	BARFUSS E	33837	BARNEBY R C	8551
BAN A W VAN DEN	87391	BANNOV A T	103165	BARBER F W	24802	BARGAI U	3927 72130	BARNECKI W	8552 98439
	87392	BANO I	2756 30352	BARBER G A	1291 38508	BARGER E L	64537	BARNER J	31717 40621
BAN B	33739	BANO M	87793		48542 78398	BARGER R L	12326	BARNER R D	22406 51555
BAN Y	81421	BANO T	20593	BARBER H	3786	BARGER W R	44795	BARNES A C	55830 75823
BANAAG N F	30676	BANO Z	1290	BARBER J C	91612	BARGHOORN E S	17510	BARNES A M	4683 64268
BANASH S E	42746	BANOS GIRONES M	63653	BARBER J T	9688		98705	BARNES A T	17319
BANASIK O J	107434	BANQUE-DE-BRUXEL-LES	107555	BARBER U C	45939		101109	BARNES B H	93769
BANATI I	33527			BARBER R S	4482 22900	BARGIONI G	24803	BARNES B V	9660 30311
BANBY M A	63753	BANSZKI T	80370			BARGONI N	58370		102653
BANCHER E	74320	BANT J H	27080	BARBER S	56677	BARI G	26935	BARNES C B	109236
BANCHETTI P	19786	BANTA E S	37043	BARBER S A	896	BARIATINSKY M	49285	BARNES C E	59166
BANCIU T	78536	BANTA E S	19876		20594 37923		130484	BARNES D	40870
BANCO-DE-RILBAO	44112	BANTHIEH N	60752 70849		39699 39728	BARICA S	63797	BARNES D K	18693 58372
BANCOVSKY J	86942	BANTIN G C	82408		59145 60324	BARIGOZZI C	73928	BARNES D L	47949
BANCROFT J B	47511	BANTTARI E E	8983		70488 78703	BARILL P	33689	BARNES D M	82966
	47541 68256	BANTZER A	64693		80004 80258	BARILL A V	80505	BARNES E G	84787
BAND H T	5228	BANTZER G	106677	BARBER S M	8584	BARING R	68682	BARNES E H	329
BANDALY A J	69457	BANTZIOS D N	105753	BARBER T L	92416	BARINOVA S A	44424	BARNES E M	45009 97291
BANDALY A J H	54760			BARBER W D	19573	BARISH L	17461	BARNES G	17924 77752
BANDARANAYAKE A	13555	BANWART G J	97374	BARHER-LOMAX J W	3117	BARK L D	44337		63447 73182 77492
BANDEL V A	894	BANYAI L	27461		3118 3787	BARKAY S	24965	BARNES J	6517
BANDEMER S L	4075	BANZATTO N V	48760		30846 76954	BARKER A S	57338	BARNES J M	42480
BANDINI M	6067 20811	BAPAT B V	66028	BARBERIS C	66749	BARKER A V	897	BARNES J W	34352
	26399 45632 45633	BAPAT S R	11446		98124 108634	BARKER B T P	62036	BARNES K K	94267 106382
	45634 56238 108229	BAPNA K R	36951	BARBIER A F	76730	BARKER C A V	104219	BARNES L E	32503
BANDURSKI R S	38523	BAPTIST A G	66379	BARBIER E	18499	BARKER E V	69168	BARNES M M	23030 63605
BANDYOPADHYAY N A	108014		66470 97581	BARBIER G	39686	BARKER J	16008	BARNES O	16772
BANDYOPADHYAY S B	34522	BAPTISTA A	59607	BARBIER M	32955 48539	BARKER J E	80737	BARNES R F	8926 93606
BANDYUKOVA V A	100110	BAQUER S R	22594		48562 73358	BARKER J S F	51634	BARNES R H	22462
BANERJEE A K	11437	BAR H	8902 47204	BARBIER R	97416		71833	BARNES R W	7080
	41563 84516	BAR L	41272 62079	BARBIER S	38265	BARKER L N	58371	BARNES S F	5895
BANERJEE D	36625	BAR-AKIVA A	29664	BARBIER S M	6833	BARKER M G	11649	BARNES W C	39434 69950
BANERJEE D K	17231	BAR-ANAN R	21971 92246	BARBIERI G	19364	BARKER P A	19946	BARNET E M	6068 54299
BANERJEE S	100080	BAR-DROMA M	54068	BARBIERI M	79762	BARKER S A	14293	BARNETT A P	60717
BANERJEE S K	43321	BAR-MOSHE B	3526	BARBIERI R	79762	BARKER S A	14293	BARNETT B D	19661
	68495		4715 72965	BARBINA A	241 23115	BARKER W F	26836		22527 62798 62912
BANERJI D	18804	BAR-ZEEV M	72765		24209 26745	BARKER W G	899 900	BARNETT C	56
BANERJI M L	17638	BARA M	27811	BARRIROLI C	103188		9875 15511 58663	BARNETT E C	31732
BANERJI S C	35590	BARABANOV V E	74149	BARRORA D N	84263	BARKHALOV SH	100530	BARNETT H C	14698
BANERJI T P	3553	BARABANOVA L P	28335	BARBORIK R	12948	BARKHALOV SH D	36974	BARNETT H L	18905
BANES D	86306	BARABANSHTIKOFF A S	50978	BARBOSA H S C	72462		36975 57707	BARNETT K C	52054
BANFI G	9659	BARABAS P	86202	BARROSA L A G	26747	BARKHAN P	10158	BARNETT M J	67678
BANFIELD G L	100916	BARABAS Z	57873 89996	BARROSA M A DE F	55568	BARKHATNAYA I N	88110	BARNETT P	86607
BANG B	21430	BARABASH S	106862	BARROUR H	57082	BARKLEY J H	20856	BARNETT S A	62675
BANG F B	30134	BARABINO G	18269	BARRU E	91906	BARKLEY J R	102252	BARNETT S F	13989
BANG Y H	14226	BARABITS E	88263	BARBULESCU C	531		16528 65466		52414 71688 82795
BANG Y J	23182	BARABOI V A	37824	BARBULESCU V	531	BARKLEY C L	56373	BARNETT W E	764
BANG Y N	99627	BARACALDO-DIAZ I	45480		10431 59308	BARKLEY P W	81	BARNHART C E	13769
BANGA O	895	BARACTARU M	1786	BARPUT	11379	BARKLEY I M	88264	BARNHART C S	93936
	59777 69949	BARADA L	1787 1788 19902	BARPUT M	16528	BARKMAN J	77304	BARNHEIM B	26746 56559
BANGA S S	79646	BARADI T A	16007 54022	BARBUS M	56006	BARKMAN J J	82		76388
BANGAU S	10157	BARADI T A EL	90481 90482	BARCELLO MORA J	24609		46818 57668 88963	BARNHISEL R I	20410
BANGHAM A D	51833		60322 60323	BARCELLO-CARLES E	44144	BARKUCZY I	99000	BARNICOAT C H	68683
BANGMA J	65970	BARAEV A	60323 101953	BARCENAS-BARRETO J M	17470	BARKOVSKII V I	21390	BARNIER B R	28733
BANGMA P	11457	BARAEV A I	20955		68671		32423	BARNLEY G R	52822
BANGSOMBOON C	49284	BARAEV S K	29982	BARCIKOWSKA B	68671	BARKOY E	36449	BARNLEY G E	2009
BANHAZI D	106184	BARAK D	60543	HARCLAY A S	75685	BARKSDALE A W	901	BARNUM D A	92439
BANHAZI GY	33688	BARAKA D	40538	HARCLAY E	4299	BARKSDALE H C	54144	BARNUM H J	96516
BANHAZI J	84261	BARAKA M	89341	HARCLAY G	67743	BARKUS B	69128	BAROCCAS S	56963 98253
BANHAZI O	15091	BARAKAT M R	78364 26132	HARCLAY H G	46084	BARKVED M	102611	BAROCCIO A	37953 47950
BANI A	107701	BARAKAT M Z	34783	HARCLAY H W	84264	BARLET J	5604	BAROJA J C	98018
BANIC S	88113	BARAKAT M Z	55429	HARCLAY J U	36102	BARLETT M F	28287	BARON	95402
BANICA G	62158	BARAKAT N F	107119	HARCLAY P C	106917	BARLETTA U M	63151	BARON F J	61101 81037
BANISTER J	17817	BARALDI G	104202	BARCO VARGAS V	7977	BARLEY K P	902 80259		81092
BANITA P	10659	BARALDI G	33691	BARCOCK F G	39134	BARLING D M	108366	BARON L C	59667
		BARAM B M	55567	BARCOCK G	92146	BARLINSKI K	34968	BARON V A	29893
BANK H	41905	BARAMYKOV P	86953	BARDE H	16075	BARLOW B A	8670	BARON W M	47951
		BARAN K	50395	BARDEEN M D	61425		46854 47711 68593	BARON Y	78484
BANK MRS B A	47947	BARAN W	4496	BARDELLI U	24096	BARLOW C A	14850	BARONE R	39595
	42430 104966	BARANDUM B	36429		79117 80682		105157	BARONTI V	103622
BANKI L	2237	BARANNIKOV L F	102446	BARDEN E	62799	BARLOW F	4713 73144	BARODAH P P	101785
BANKOLE R O	35894	BARANOV A I	60865	BARDEN J A	58207		105099	BAROV V	100738
BANKOV A	72533		67807 77991	BARDENS J W	61708	BARLOW H W B	83113	BAROZZI L	75824 97537
BANKOV D	41647	BARANOV P A	80257		91907		78366		97804
BANKOVSKII A I	79043	BARANOV V I	11223	BARDERI-GIBERT	44436	BARLOW J R	82362	BARR A L	22901
BANKOVSKII B V	32339	BARANOVA V P	40565	BARDERI-GIBERT J	44436	BARLOW J S	73638	BARR A R	84015 105788
BANKOWSKA R	95002	BARANOVSKAYA A V	70266	BARNI A	92204	BARLOW M R	66064	BARR C	1292
			70424	BARINSKAYA M S	57323	BARLOW R M	22140	BARR C A	19947
BANKOWSKI R A	12717 13827	BARANOWSKA A	32440	BARLEY R L	24964	BARLOWE R	46116	BARR C E	37954
BANKS C H	50966	BARANSKI R	50764	BARLONER H M	73176		98049	BARR D J S	77647
BANKS C J	84029	BARANY MRE V K L	55829	BARDOLSGAARD K	105156	BARLOY J	85580	BARR G R	12943
BANKS D J	17639	BARANY MRS L	16475	BARDOS V	57068		89781	BARR G W	65249
BANKS D R B	65117	BARANYAI I	14147	BARDOSI Z	13480	BARMAN Y A	25957	BARR H J	18491
BANKS E M	3322	BARASA A	31882	BARDOSI Z	13480	BARMANN C	39959	BARR H R	39135
BANKS H O	2511 102164	BARAT H	57874	BARDOSULAT M	21815		80304	BARR J G	108587
BANKS M R	106689	BARAT R	46693		41564	BARMETT E R	34131	BARR M E	17876
BANKS P N	62480	BARATOU J	4063	BARDWELL E T	35285		35032	BARR N C	21972
BANKS Q D	26154	BARATOV SH	5229 5230		107789	BARMINGTON R D	74070	BARR R	37183
BANKS V J	27030 56715	BARATTE	52764 53303	BARDZINSKI S	37951	BARMINTSEV YU N	62640	BARR R A	18062 100571
	67069	BARATTE J	43586 84262	BARE D I	21787				
BANKS W A	63379 83165			BARE L N	41955 72564				



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
BARR T C 94813 94814	BARTECKA J 31089	BARTOSIK A--CONT 74193	BASSETT J M 4362	BATISTA A C--CONT 99055	
BARR W 76125	BARTEE L D 91191	95894	BASSETT J R 30273	99056 99057	99058
BARRA I 73249 99307	BARTEK M J 12784	BARTOSOVA J 25790	81094 99059	99060	99061
BARRA L DE LA 105252	BARTEL K 64784	BARTOSOVIC J 26526	72721	99062	99063
BARRACLOUGH K E 62721	BARTELLI I 67934	BARTOSZ T 98486	107385	BATISTA J A 72379	
BARRACLOUGH R M 57315	BARTELS 91561	BARTOSZEK T 60572	12897	BATISTE W C 42563	
BARRADA M S 57335	BARTELS C L 41152	BARTOSZEWICZ A 49748	36054	BATJER L P 285	904
BARRADA Y 68314	BARTELS F 99824	BARTOSZEWICZ M 28749	903	19812 19813	39026
BARRADAS M J DAS 92104	BARTELS G 62160	BARTOV V F 102435	37958 78368 78899	39027 44537	47953
T 101690	BARTELS H 36430 55430	BARTRAM M T 43898	BASSI K K 37519	47954 48149	59539
HARRAGAT P 83213	55520 57222 75535	BARTRAM R 2317 44727	BASSILY G 102105	65370 69706	85654
HARRAS S J 42747	75614 75622 107594	BARTSCH H 25563	102698	BATKO S 36431	99274
HARRAT J G 37471 90313	BARTELS H G 92688	BARTSCH K H 92214	6008	BATORA V 83124	
HARRATT B 55125 75297	BARTELS K P 51467	BARTUSCH W 85417	46820	BATOV I 56426	
HARRATT R W 1293	BARTELS L F 2512	BARUA A D 6766 8652	16077	BATRA H N 4836	4875
HARRAU H 92878	BARTELS P 92689	15924 45107	22421	14085 105253	
HARRAU J 77137	BARTELS R 74383 99566	BARUA B L 102079	33137	BATRA L R 53124	
HARRAUD C 44681	BARTELEV F I 2460	BARUA D N 29389 39586	39007	78085 83817	99064
HARRE H J 55764 97417	BARTELEV S 24966	BARUA J 82146	101155	BATRA P P 68685	68686
BARREIRA E A 40148	BARTELEV V D 102566	BARUA P K 27462	95120	BATRA S C 44278	
40149 40150 40151	BARTER F J 54639	BARUA R K 10159	31250	BATRA S W T 17874	
BARRER P R 76237 80260	BARTFAY J 16506	BARUAH H K 82147	87614	17875 95282	
BARRERA J 82596	BARTFAY MRS T 68788	BARUAH J N 7245 7246	58499	BATS J 37959	
BARRERA L L 17925	BARTH E 54034	7324 25958 45107	34784	BATS-MAILLET Y 3873	
BARRERE P 16237	BARTH H 15352 15770	55577 69301	49287	BATSALOV I 34857	85902
BARRAT A 74522	BARTH J 55989	BARUCHA M O 60917	101368	BATSALOVA M 44827	
BARRAT C F 32739	BARTH K 61709	BARUS V 72471	53095	BATT R F 27805	48549
BARRAT J G 57753	BARTH K M 72935 82855	BARVE J A 26008	94589	BATTAGLIA E 598	
BARRETO L S 105354	BARTH R 14941	BARWELL A G 76237	98388	37632 58208	99826
BARRETT B J 15810	BARTHA A 51817	BARY B M 37543	31688	BATTAGLINI M 905	
BARRETT C 79449	BARTHA L 1921	BARYKINA R P 597	39905	100028	
BARRETT C B 7235	BARTHE J C 74565	68424 78084	69772	31785	
16271	BARTHELY M 98127	BARYLA R 51391	69773	BATTE E G 22439	
63453	BARTHELMES D 63988	BARYLKO--PIKIELNA 45053	101698	BATTEN G 73995	
32782	BARTHELEMY H 63988	N 7170	60984	BATTEN J D 46265	
7740	BARTHELMES D 63988	BARYSHEV P B 62121	84030	BATTERSBY A R 78900	
BARTHELEMY H 7740	BARTHELMES D 63988	BARYSHNIKOV I A 62162	105546	BATTERSBY F J 26993	
BARTHELEMY H 7740	BARTHELMES D 63988	BARZ E 51083	98627	BATTILANA G 13613	
BARTHELEMY H 7740	BARTHELMES D 63988	BARZO D 104807	46557	BATTISTACCI M 31692	
BARTHELEMY H 7740	BARTHELMES D 63988	BARZYALIS L S 32427	8984	82967	
BARTHELEMY H 7740	BARTHELMES D 63988	104809	58373	BATTISTELLI E 5652	
BARTHELEMY H 7740	BARTHELMES D 63988	4715	27795	26599 51818	82671
BARTHELEMY H 7740	BARTHELMES D 63988	BASACA--SEVILLA V 4715	25132	97027 102354	108231
BARTHELEMY H 7740	BARTHELMES D 63988	BASAK A 106915	48516	108367	
BARTHELEMY H 7740	BARTHELMES D 63988	BASAK K K 96753	89782	BATTISTINI M 25506	
BARTHELEMY H 7740	BARTHELMES D 63988	BASAK M L 37955	52765	BATTISTON W 82149	
BARTHELEMY H 7740	BARTHELMES D 63988	BASAK S N 808 27699	106932	BATTISTON W C 12950	
BARTHELEMY H 7740	BARTHELMES D 63988	BASAMAC C 19902 24721	77005	12951 13368	72133
BARTHELEMY H 7740	BARTHELMES D 63988	BASAMAC D 19902 100113	50187	82968	
BARTHELEMY H 7740	BARTHELMES D 63988	BASANKO A 49676	96766	24211	
BARTHELEMY H 7740	BARTHELMES D 63988	BASARARA J 101170	102113	74915	
BARTHELEMY H 7740	BARTHELMES D 63988	BASARGIN N E 5378	13990	108033	
BARTHELEMY H 7740	BARTHELMES D 63988	BASAVANNA G P C 24819	48991	BATTLE L 104161	
BARTHELEMY H 7740	BARTHELMES D 63988	BASCH J 24817	28033	BATTLES D E 98708	
BARTHELEMY H 7740	BARTHELMES D 63988	BASCH J J 65640	102191	BATTLE E H 104558	
BARTHELEMY H 7740	BARTHELMES D 63988	BASCOM P F 31514	2552	BATURINA A A 90227	
BARTHELEMY H 7740	BARTHELMES D 63988	BASEDOW L 25477	94035	BATYGINA T B 18493	
BARTHELEMY H 7740	BARTHELMES D 63988	BASH W D 58267	103686	BATZ B DE 25564	44828
BARTHELEMY H 7740	BARTHELMES D 63988	BASHAW E C 645 43267	21332	BATZ G 10312	
BARTHELEMY H 7740	BARTHELMES D 63988	BASHE W J 41362 6141	36612	BATZER H O 94451	
BARTHELEMY H 7740	BARTHELMES D 63988	BASHFORD T E 104594	84911	BAU Y S 17926	
BARTHELEMY H 7740	BARTHELMES D 63988	BASHKATOV V A 69685	MS E D G 6952	BAUCKE O 42598	
BARTHELEMY H 7740	BARTHELMES D 63988	BASHMAKOV E A 79843	BATCHER O M 6952	BAUDER H J 33740	
BARTHELEMY H 7740	BARTHELMES D 63988	BASHMAKOV E Z 79647	16078	BAUDER W W 45573	56950
BARTHELEMY H 7740	BARTHELMES D 63988	BASHMANCHIKOVA V 62590	106686	67108 67148	67149
BARTHELEMY H 7740	BARTHELMES D 63988	BASILE A 62589	19267	87358 98382	108635
BARTHELEMY H 7740	BARTHELMES D 63988	BASILE D V 89072	99547	44935 65669	
BARTHELEMY H 7740	BARTHELMES D 63988	BASILE D W 88114	37825	BAUDET J 44935	65693
BARTHELEMY H 7740	BARTHELMES D 63988	BASILE J V 73177	8985	BAUDEZ C F 17015	
BARTHELEMY H 7740	BARTHELMES D 63988	BASILE R 37186	68143	BAUDIN C 57755	
BARTHELEMY H 7740	BARTHELMES D 63988	BASILE T 47206 47383	22265	BAUDIN P 47468	57755
BARTHELEMY H 7740	BARTHELMES D 63988	99493	66963	99827	
BARTHELEMY H 7740	BARTHELMES D 63988	BASILEWSKY P 14495	2095	BAUDISCH W 5231	5232
BARTHELEMY H 7740	BARTHELMES D 63988	14496 14497 14498	67610	BAUDITZ I 103661	
BARTHELEMY H 7740	BARTHELMES D 63988	23582 42959 63910	13226	BAUDITZ R 31883	
BARTHELEMY H 7740	BARTHELMES D 63988	60212	52011	BAUDRIMONT R 89344	
BARTHELEMY H 7740	BARTHELMES D 63988	84715	86385	BAUDYS E 53125	
BARTHELEMY H 7740	BARTHELMES D 63988	BASIN G L 74254	86387	BAUER A G 92395	
BARTHELEMY H 7740	BARTHELMES D 63988	BASINKI J J 29472	66118	BAUER A H 17927	17928
BARTHELEMY H 7740	BARTHELMES D 63988	BASINSKI J J 90107	5322	43729 61372	
BARTHELEMY H 7740	BARTHELMES D 63988	BASK A 4057	75365	66471	
BARTHELEMY H 7740	BARTHELMES D 63988	BASK A E 35592	46490	11877 40462	
BARTHELEMY H 7740	BARTHELMES D 63988	BASK W 107871	5882	171362	
BARTHELEMY H 7740	BARTHELMES D 63988	BASKAY--TOTH B 10996	5897	BAUER E 17137	
BARTHELEMY H 7740	BARTHELMES D 63988	BASKETT R G 51714	24196	BAUER E K 10313	12952
BARTHELEMY H 7740	BARTHELMES D 63988	15281 43748	43748	BAUER F 21076	40492
BARTHELEMY H 7740	BARTHELMES D 63988	BASLAVSKAYA S S 78367	43819	47061 47955	58500
BARTHELEMY H 7740	BARTHELMES D 63988	BASLER E 37956 37957	99273	80463 80995	
BARTHELEMY H 7740	BARTHELMES D 63988	89343 89925	82588	7089	
BARTHELEMY H 7740	BARTHELMES D 63988	BASLEROVA M 35322	362	HAUER F H 7089	
BARTHELEMY H 7740	BARTHELMES D 63988	BASNAKYAN G 86443	47060	BAUER H 51468	65983
BARTHELEMY H 7740	BARTHELMES D 63988	BASOMBRI--ECHENI--QIE E 16076	77493	70260 85433	91650
BARTHELEMY H 7740	BARTHELMES D 63988	BASOV A M 107875	89291	92147 94635	107303
BARTHELEMY H 7740	BARTHELMES D 63988	BASOVICH M 97096	81265	BAUER J 18876	24743
BARTHELEMY H 7740	BARTHELMES D 63988	BASUR P K 22380	73115	67090 76384	
BARTHELEMY H 7740	BARTHELMES D 63988	BASS U 6690	107556	599 706	
BARTHELEMY H 7740	BARTHELMES D 63988	BASS C J 44826	8368	BAUER K 76384	
BARTHELEMY H 7740	BARTHELMES D 63988	BASS I H 12103	34785	66938 67090	76384
BARTHELEMY H 7740	BARTHELMES D 63988	BASS L N 9661	78878	BAUER L L 16661	
BARTHELEMY H 7740	BARTHELMES D 63988	BASS M H 23203	30603	BAUER O 67442	
BARTHELEMY H 7740	BARTHELMES D 63988	BASS T C 70459	67645	BAUER K 16662	
BARTHELEMY H 7740	BARTHELMES D 63988	BASSE H 49286	22039	BAUER S 84568	89944
BARTHELEMY H 7740	BARTHELMES D 63988	BASSE H 17346	42564	BAUER W 21180	54761
BARTHELEMY H 7740	BARTHELMES D 63988	BASSE N 5845	69502	62442 88560	103239
BARTHELEMY H 7740	BARTHELMES D 63988	BASSE U 82417	107527	BAUER--SIC P 3527	
BARTHELEMY H 7740	BARTHELMES D 63988	BASSET C F 3542	13481	BAUERLE R H 89783	
BARTHELEMY H 7740	BARTHELMES D 63988	BASSET J M 72132	16099	BAUERMANN J F 66065	
BARTHELEMY H 7740	BARTHELMES D 63988	BASSET R 91537	21540	BAUERNFEIND A 29529	
BARTHELEMY H 7740	BARTHELMES D 63988	BASSETT C 92904	47836	BAUERNFEIND J C 4197	
BARTHELEMY H 7740	BARTHELMES D 63988	BASSETT C F 6476	46970	57128	
BARTHELEMY H 7740	BARTHELMES D 63988	BASSETT H 1018	88499	69169 69170	
BARTHELEMY H 7740	BARTHELMES D 63988	BASSETT I J 36611	88500 89501	40566	
BARTHELEMY H 7740	BARTHELMES D 63988				

ITEM	ITEM	ITEM	ITEM	ITEM
HAUGHMAN M A 85379	BAYER A H 6477	BEAR F E 36433	BECK J S 42960	BEDAK G R 80400
HAUGHMAN E T 56057	24967 96561	107004	BECK L M 46539	BEDDOWS A R 58502
HAUGHN C O 41987	BAYER D E 29151	29152	BECK L R 25248	BEDDELL D M 62197
HAUGUS C A 63213 106459	29153 29154	70092	BECK M 105676	BEDENASHVILI G G 13798
HAUHN J 46598	90590	90591	BECK M J 93404	BEDETTI G 2513
HAUM B 77434	BAYER F X 15005	10421	BECK R 84592	55232 59146
HAUM E L 26407 45757	BAYER G H 29155	10422	BECK R A 29157	59486
HAUM F 54095	BAYER K 108489	77139	BECK R L 24956	66549
HAUM G J 82637	BAYER M H 78370	13482	BECK S 9378	29057
HAUM H 64317 104312	BAYER S D 24097	42461	BECK S D 14544	55387
HAUM R C 27181	HAJEV A 56426	53304	BECK S D 42894	BEDFORD J M 72701
HAUM R K 46353	HAYKA I 96344	80077	33354 95371	BEDHOME R 11835
HAUM S J 72368	BAYLE J D 93176	90329	73791 73792	BEDI K S 18807
HAUMAN V K 31786 31787	BAYLES G T S 27388	55838	BECK T 41202	BEDI P S 18192
31884	HAYLEY C H 25128	9414	BECK T V 10999	BEDI R 49536
HAUMANN A 86131 87915	63671	48302	BECK TH 81692	BEDI S J 88283
HAUMANN C A 104602	BAYLEY H S 4483	71987	BECKE R R 26009	BEDI T S 5591
HAUMANN D P 34315	BAYLEY N D 61948	5379	65971	14417 105547
HAUMANN E 11458 29665	BAYLEY S T 9850	72172	67616	BEDIASHVILI S L 69732
49288 49970	HAYLIS G T S 9377	13441	14553 14554	BEDINGFIELD S R 27045
BAUMANN E R 80262	HAYLOR C 80263	22587	33111 33246	7571 13527
43867	BAYLOR J E 25056	82548	73594	65008
95918	BAYLY G H 50439	55569	BECKENBACH J R 57538	BEDNAR T W 18808
BAUMANN F 109066	BAYNES A 19948	29156	BECKENHAUER W H 1013173	BEDNAR Z 2853
BAUMANN H 21705	BAYONA I G 84016	76514	BECKENHOLDT D 98125	BEDNEKOFF A G 13118
BAUMANN L A 7236	BAYUOMI M S 22141	2587	BECKER A 11000	41567
26147 35213	BAYRANOGLU-ERGESE 106066	60645 80555	BECKER A S 76015	BEDO Z 49971
BAUMANN M 53080	S	80685 91329	BECKER C 82439	BEDORF 43394
BAUMBER G G 16913	BAYSAL S 66187	104474	BECKER C A 27150	BEDOUKIAN P 19268
BAUME P 56965 62722	BAYTON J A 24396	50188	BECKER C F 10493	BEDRAK E 71990
BAUMEISTER G 91562	BAYUBAY S J 66649	29591	BECKER C R 92880	BEDRAK S 13542
BAUMEISTER H 26364	69650	50013	BECKER D E 13797	BEDROSIAN K 54287
BAUMEISTER J 100919	BAYUNOVA Z G 101370	71494	63187 82944	83101
BAUMEISTER W 88452	HAYYUK S I 14293	18931	93760 93761	93761
99025	BAZAL J 102613	100242	3122 27445	BEDROSOV Y Y 15238
HAUMER G W A 34786	BAZALA E 21120	36769	33641 55570	BEDROSOVA P I 6848
HAUMERT D 94342	BAZALITSKAYA V S 16287	57126	BECKER E R 46589	BEDS E 35746
HAUMGARDNER R A 44728	BAZAN B I 7442	81038	BECKER G 12438	BEDUHN M 22142
HAUMGARTER B R 62065	BAZAN E 19278	31251	14255 14256	BEECH C R 39435
62766 62116	BAZAN-DE-SEGURA C 19582	36434	33138 40828	BEECH D F 10518
HAUMGARTEN G 7504	77649	71690	54038 61354	BEECH F W 34787
101599	BAZANDOVA N U 22040	15981	63912 64273	BEECH L 67056
84700	BAZANT H 36432	61949	85150 89246	BEECHER A S 90383
HAUMGARTEN K 108670	BAZAROV B 14722	28847	94452	BEECHAM R B 84777
HAUMGARTNER A 47163	53382	37043	36504	BEEGLE A 8051
81237 85081	BAZAROVA V I 86072	43336	BECKER G A 84072	BEEGLE J A 39136
HAUMGARTNER E 74348	BAZDOREV A 34820	90483	BECKER G J F 6691	BEEK H VAN 74017
HAUMGARTNER H 43690	BAZHANOVA N V 10161	43336	BECKER H 67679	BEEK M A VAN DER 84431
57329	48379	1567	BECKER H F 90845	82150
HAUMGARTNER J 8343	BAZHENOV S V 12546	3435	BECKER H G 83725	W M
53845 53846	BAZHENDOV V A 61010	22041	BECKER J 35461	BEEKES H W 84786
84602 95693	BAZILE A 19569	90752	34459 41203	BEELE D A 1295
HAUMHOVER A H 14589	BAZILEVICH F K 10998	11170	41244 41479	BEELEMAN G M 104098
HAUMER H 84268	BAZILEVICH N I 29473	77600	41483 41484	57825
HAUMER J 72879	58501 78371	9662	41531 42159	BEER A 27287
HAUMSTARK A 60070	99790	60477	75186 75187	BEER A E 52153
HAUNACK F 25565	101786	84209	92272 93762	BEER A C DE 106343
HAUR E 54627	BAZILEVSKAYA N A 88266	78902	106574	7647 26400
HAUR J R 44589	98709	98855	107241	26875 87130
HAUR K 102300	BAZILINSKAYA M V 49677	73451	99893	BEER C E 60710
HAUR R E 45507	70267	108979	107405	BEER C L 97971
HAURANT R 83341 83342	BAZIN F 70238	92859	62164	BEER J 92386
HAURES M 34537	BAZSIKA L 6809	4632	66752	BEER J R 14979
HAURIEDEL W R 54124	BAZZAF P M 88964	82664	71989	95657
HAURISTHENE E 33137	BAZZAF F A L 46694	95283	BECKER S E 8553	BEER M 9218
HAURNA L F 100766	BAZZIGHIER G 77649	95284	BECKER T 77494	BEERMAN W 53127
HAUTA J F 26961	BE C H 66750	62601	BECKER W 56240	BEERS M L 21682
HAUTISTA A P 65670	BEA M 65250	89784	22689 92981	BEERS Z 30064
69635	BEACH N E 48949	56560	93405	BEERS Z H 25129
55296	BEACH D B 80507	52782	83532	BEERTHUIS R K 16272
78369	BEACH F A 81904	2138	67680	26121 74438
BAUTISTA G M 70579	BEACHELL H M 38684	39720	42343	101836
BAUTISTA D K 19210	65753 65754	80168	BECKER-HIGDISOVA	5233
BAUWENS A L G M 45637	45637	90868	E E	BEESLEY T E
45760 46051	BEACHER R L 29666	88061	35502	BEESLEY W N 23116
BAUX J 22837	BEACHEY K G 35323	30562	35512 56153	83214 105086
BAVEL C H M VAN 2096	BEACOM S E 32222	91554	56155 108128	BEESON B 65409
11188 48095	BEADLE J B 54132	30648	760	BEESON W M 4533
BAVENDAMM W 12257	BEADLE L D 83227	15237	80001	13786 13845
12258 30718	BEAHM S E 19949	79430	60114	22924 31149
51125 102894	BEAL A M 42460	68884	60115 70332	32378 41486
102895	BEAL E O 88319	66751	103957	41537 41552
BAVER L D 10533 47956	BEAL G M 8053	907	BECKETT S D 15483	51392 51715
48947 48948	45354 56374	105607	BECKFORD G L F 15483	52176 62067
BAVLEY A 86507	86627 87354	103172	50362	62141 71991
BAVLI G S 86043	BEAL J L 38565	78086	BECKHOFF J 11692	72088 72089
BAVNGAARD A 109067	100602	12171	84716 95893	82786 91908
HAWAGAN P 16440	BEAL R E 35160	98812	BECKING J H 30200	92945
BAWCUM E W 74071	BEAL R S 94816	98813	50765	BEETHAM N M 532
BAWDEN F C 36382 57381	BEAL S T 71689	25286	8480	BEETLE A A 28613
68257	BEAL V C 92148	61621	74013	BEETZ E 74916
11852	BEAL-PRESTON D 31451	16119	106247	BEEVER E A 44438
BAWEJA A S 17414	BEALE C L 27030	85903	BECKMAN C H 47331	BEEVERS H 28350
BAWOLSKA M 27276 47407	BEALE W K 44674	14499	4684 33981	38316 48582
47469	BEALER R C 36027	69366	54975 85710	69280 100610
BAXA J 7441 57224	BEALL M L 29549	75902	107071	18809 58504
BAXI A J 22820 62326	BEAM B 1729	34512	609	BEFFA G D 4633
BAKTER D 27337	BEAM R R 49073	71607	43999 43908	BEFORD J M 32139
BAKTER H O 71433	BEAMAN J H 77417	74107	46491	BEGA R V 8969
BAKTER J T 72393	BEAMAN W H 61336	77139	35150	BEGANOVIC A H 25837
BAKTER J W 8986 67935	BEAMENT J W L 63807	62163	15947	25870 65903
BAKTER P 20896	106111	94501	33994	BEGEMANN F 70914
BAKTER R I 80506	BEAMES R M 12884	50647	63989	BEGEMANN P H 74746
BAKTER R M 78901	41485	83753	46085	BEGG A R 29025
BAY C E 40348	42239	94763	102287	BEGG J A 32740
BAY E C 94050 95004	BEAMS H W 5399	107662	1294	BEGG J E 908
BAY O 10997	BEAN D 71220	23183	70250	BEGG M 14590
BAY R R 12041 30274	BEAN G A 18063	3121	94052	BEGGS J P 99275
60297 80996	BEAN J L 14289	18339	25566	BEGGS J R 45883
BAY Z 27815	BEAN R C 57225	7579	14257	BEGHELLI V 22797
BAYABORDA R A 96935	BEANE W L 4050	26600	11224	BEGIN R M 71475
BAYANI A G 70692	22668 32108	39527	101699	BEGLYAN N P 47712
BAYER A 41566	52302	74267	96539	BEGLIOMINI A 32223
		25658	93719	52134
			103419	3788
			91034	63063



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
BEGUCHEV A P 92613	BELEA A 37914	BELDENOT P 53908	BELLER J 13227	BEMIS K P 54955	BENES J 30478	BENES J 30478	BENES J 30478
BEGUE L 50693	BELEA A 78427	BELLER J 59258	BELLER J 13227	BEMIS W P 78244	BENES K 48520	BENES K 48520	BENES K 48520
BEGUIN H 24407	BELENKII N G 30849	BELLER Z 90030	BELLER Z 25959	BEMICK W J 41741	BENESOVA V 86264	BENESOVA V 86264	BENESOVA V 86264
BEGUNOVA R D 96301	BELENKO G T 102614	BELLET M 30849	BELLET M 40152	BEN SHAKED Y 53481	BENENWAY D F 23637	BENENWAY D F 23637	BENENWAY D F 23637
BEHAN M J 9646	BELENYI I 33688	BELLEY P E 61713	BELLEY P E 61713	BEN-DAVID B A 3529	BENGELSDORFF H J 4126	BENGELSDORFF H J 4126	BENGELSDORFF H J 4126
BEHAR M 87733	BELENYI I 33688	BELLHOMME H 24408	BELLHOMME H 24408	BEN-DAVID J 76109	13554 13863 72600	13554 13863 72600	13554 13863 72600
BEHIN R 63126	BELEV N 13112	BELLI M L 48009	BELLI M L 48009				
BEHM R D 51226	BELEV N 13112	BELLI M L 7701	BELLI M L 7701				
BEHMANN F W 65251	BELEV N 13112	BELLIN J S 48599	BELLIN J S 48599	BEN-GERA I 86263	BENGELSDORFF H J 30851	BENGELSDORFF H J 30851	BENGELSDORFF H J 30851
BEHR E A 40829	BELEFORD D S 40830	BELLIN J S 12785	BELLIN J S 12785	BEN-SHAKED Y 35481	BENGOM J 64319	BENGOM J 64319	BENGOM J 64319
BEHREND F 53967	BELGARD A L 57218	BELLING T H 71894	BELLING T H 71894	BEN-SHAUL Y 58887	BENGTSON B E 86626	BENGTSON B E 86626	BENGTSON B E 86626
BEHRENDT A 15456	BELGARD G 40682	12953 51819	12953 51819	BEN-YEHOSHUA S 71961	BENGTSON G W 71522	BENGTSON G W 71522	BENGTSON G W 71522
BEHRENDT G 95694	BELGARRIC R C DE 16273	BELLINGER L 96708	BELLINGER L 96708	55127 69175	BENGTSON H 22146	BENGTSON H 22146	BENGTSON H 22146
BEHRENDT K 95159	BELGRAVER W 27228	BELLINGER P F 23816	BELLINGER P F 23816		BENGTSON K 41064	BENGTSON K 41064	BENGTSON K 41064
BEHRENS H 3124	28941 28943 39137	95372 105917	95372 105917		BENGTSSON A 1568	BENGTSSON A 1568	BENGTSSON A 1568
BEHRENS M 62165	BELHANAFI A 18810	BELLINI G 18694	BELLINI G 18694	BENAC R 100114	1569 1570 19597	1569 1570 19597	1569 1570 19597
BEHRENS R 20219	28365 28365 28365	BELLIS D B 34460	BELLIS D B 34460	BENADERET S 36315	38816 48805 90116	38816 48805 90116	38816 48805 90116
		BELLIS E 80149	BELLIS E 80149	BENAMI A 91225	90117 100921	90117 100921	90117 100921
		BELLIS E DE 23380	BELLIS E DE 23380	BENARD G 60021	BENGTSSON P 75188	BENGTSSON P 75188	BENGTSSON P 75188
		83533 61102	83533 61102	BENARD P 44146	76869	76869	76869
		BELLMANN E 86399	BELLMANN E 86399	BENARROCH E 5968	BENGTSSON G 5747	BENGTSSON G 5747	BENGTSSON G 5747
		BELLOC P 68108	BELLOC P 68108	BENASSI R 96405	57094 71691	57094 71691	57094 71691
		BELLOD Y BELLOD M 68109	BELLOD Y BELLOD M 68109	BENASSY C 64081	BENGTSSON N E 7116	BENGTSSON N E 7116	BENGTSSON N E 7116
				BENAYAS-CASARES J 82441	BENGTSSON N G 11847	BENGTSSON N G 11847	BENGTSSON N G 11847
		BELLODY-BELLOD M 68108	BELLODY-BELLOD M 68108	BENAZET P 41834	BENGTSSON S 71692	BENGTSSON S 71692	BENGTSSON S 71692
		BELLOFF G B 22586	BELLOFF G B 22586		BENGTSSON T 109069	BENGTSSON T 109069	BENGTSSON T 109069
		BELLONCLE G 97187	BELLONCLE G 97187	BENAZZI P 103626	BENHAM F J 51106	BENHAM F J 51106	BENHAM F J 51106
		BELLONE G 83126	BELLONE G 83126	BENBOW E W 68036	BENI P V DE 20220	BENI P V DE 20220	BENI P V DE 20220
		BELLOSTILLO S B 71583	BELLOSTILLO S B 71583	BENBOW P L 84646			
		BELLUCCI G 79724	BELLUCCI G 79724	BENCARD X 2757	BENIC R 81578	BENIC R 81578	BENIC R 81578
				BENCAT F 47612	BENIC R A 71568	BENIC R A 71568	BENIC R A 71568
		BELLUOMINI H E 103163	BELLUOMINI H E 103163		BENIKE G 72136	BENIKE G 72136	BENIKE G 72136
		BELUBORODOV V V 65972	BELUBORODOV V V 65972	BENCZE J 90592	BENIN G S 97446	BENIN G S 97446	BENIN G S 97446
		BELUGORCOSKII P N 16405	BELUGORCOSKII P N 16405	BENCZE L 12180	BENINATE J V 25130	BENINATE J V 25130	BENINATE J V 25130
		BELUGORTSEVA M V 25567	BELUGORTSEVA M V 25567		BENING A L 76559	BENING A L 76559	BENING A L 76559
		BELUGUROV D M 24629	BELUGUROV D M 24629	BENDA A 16418	BENINI G 20371	BENINI G 20371	BENINI G 20371
				BENDA G T A 27463	BENIRSCHKE K 72463	BENIRSCHKE K 72463	BENIRSCHKE K 72463
		BELOKHONOV I V 101108	BELOKHONOV I V 101108	BENDALL D S 69172	BENISCHECK J J 65345	BENISCHECK J J 65345	BENISCHECK J J 65345
		BELOKHONOV N V 28785	BELOKHONOV N V 28785	BENDALL J R 30850	BENISKA J 55755	BENISKA J 55755	BENISKA J 55755
		BELOKOBYLENKO V T 4125	BELOKOBYLENKO V T 4125	25659 75593	BENITIZ H 83309	BENITIZ H 83309	BENITIZ H 83309
		BELOKOBYLENKV V T 62781	BELOKOBYLENKV V T 62781	BENDANA F E 27817	BENITEZ J A 6423	BENITEZ J A 6423	BENITEZ J A 6423
		BELOKONSKI I 31893	BELOKONSKI I 31893	47960	BENITEZ J M 1730	BENITEZ J M 1730	BENITEZ J M 1730
		BELOKUSOVA A D 11459	BELOKUSOVA A D 11459	BENDEL-JANSSEN M 76955	BENJAMIN D M 42791	BENJAMIN D M 42791	BENJAMIN D M 42791
		BELOSLSKAYA Z G 52911	BELOSLSKAYA Z G 52911	BENDELOW V M 953	BENJAMIN B R 13091	BENJAMIN B R 13091	BENJAMIN B R 13091
		BELOSLODSEVA N G 93938	BELOSLODSEVA N G 93938		41413	41413	41413
		BELOSTOKOV G P 9379	BELOSTOKOV G P 9379	BENDER A E 27288	BENJAMIN C R 87825	BENJAMIN C R 87825	BENJAMIN C R 87825
		BELOSTOTSKII K B 97414	BELOSTOTSKII K B 97414	BENDER C B 8427	BENJAMIN D M 42746	BENJAMIN D M 42746	BENJAMIN D M 42746
		BELOT P 13228	BELOT P 13228	BENDER E 105918	42769 53013 84072	42769 53013 84072	42769 53013 84072
		BELOUCHE M R 79802	BELOUCHE M R 79802	BENDER F 29390	105398	105398	105398
		BELOUS V N 28374	BELOUS V N 28374		BENJAMIN F B 100115	BENJAMIN F B 100115	BENJAMIN F B 100115
		BELOUSOV A 24804	BELOUSOV A 24804	BENDER G L 47613	BENJAMIN M 103445	BENJAMIN M 103445	BENJAMIN M 103445
		BELOUSOV L V 601	BELOUSOV L V 601	BENDER J 11207	BENJAMIN M M 3126	BENJAMIN M M 3126	BENJAMIN M M 3126
		BELOUSOV M A 40009	BELOUSOV M A 40009	BENDER K 50189	BENJAMIN E 9252	BENJAMIN E 9252	BENJAMIN E 9252
		BELOUSOVA A A 101809	BELOUSOVA A A 101809	BENDER L D 65857	32657 32658 32736	32657 32658 32736	32657 32658 32736
		BELOV A A 8555	BELOV A A 8555		99567	99567	99567
		BELOV E M 107639	BELOV E M 107639	BENDER M 3125	BENKEN A A 37187	BENKEN A A 37187	BENKEN A A 37187
		BELOV N P 101837	BELOV N P 101837	BENDER R 23817	BENKEVICH V I 73043	BENKEVICH V I 73043	BENKEVICH V I 73043
		BELOV S V 102811	BELOV S V 102811	BENDER W H 80184	BENKO G 46492	BENKO G 46492	BENKO G 46492
		BELOV V P 54759	BELOV V P 54759	BENDERS G 15134	BENKO J 12953	BENKO J 12953	BENKO J 12953
		BELOV V V 92438	BELOV V V 92438	BENDERS G A 84502	BENKOV B 63173	BENKOV B 63173	BENKOV B 63173
		BELOVA E M 32656	BELOVA E M 32656	95765 106453	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELOVA G 25015	BELOVA G 25015	BENDIK I 89944	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELOVA N V 86309	BELOVA N V 86309	BENDIX H 83188	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELOZEROV V N 94680	BELOZEROV V N 94680	BENDIX S A 78894	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELOZEROVA L S 37960	BELOZEROVA L S 37960	BENDIX H J 3530	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELOZEROVA N A 1536	BELOZEROVA N A 1536	12954	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
				BENDIXSON T 49151	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELOZERSKII A N 2251	BELOZERSKII A N 2251	BENDRAT G 92789	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
				BENDTSEN B A 51121	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELOZOR N I 37133	BELOZOR N I 37133	BENDTSEN H 91999	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELOZOROV A T 98050	BELOZOROV A T 98050	BENDURE J D 13275	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELOZOROV P J 1922	BELOZOROV P J 1922	BENE R 49779	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELOZOROV H C 1922	BELOZOROV H C 1922	BENEA V 71222	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		60802	60802	102638	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELSHAU G R 84682	BELSHAU G R 84682	RENECKE F S 16176	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELSHAW D G R 26446	BELSHAW D G R 26446	53057 94503	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELSKII V 24098	BELSKII V 24098	BENEDEK A 91651	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELSKY C Y 57417	BELSKY C Y 57417	BENEDEK G 92690	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELSKY M 36985	BELSKY M 36985	BENEDEK L 22235	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELSUNCE C D 74322	BELSUNCE C D 74322	BENEDEK P 95601	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELSUNCE C DE 6568	BELSUNCE C DE 6568	BENEDEK T 8881	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELT E S 67681	BELT E S 67681		BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELTON P 42853	BELTON P 42853	BENEDETI L M DE 63139	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELTRA R 18256	BELTRA R 18256	BENEDETI A 53968	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELTRAM V 12044	BELTRAM V 12044	84972 97602 103175	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELTRAMI L 68444	BELTRAMI L 68444	BENEDETI E 100600	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELTRAN F F 82032	BELTRAN F F 82032	BENEDETI L M E 52355	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELTYUKOVA I I 58039	BELTYUKOVA I I 58039	DE 63078	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELTZ A D 73666	BELTZ A D 73666	BENEDICHUK N F 53691	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELU C 2760	BELU C 2760	84406	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELVIGLIERI G 69733	BELVIGLIERI G 69733	BENEDICT H M 18814	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELVIAEV A 95920	BELVIAEV A 95920	19156 24384	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELVIAEV A S 51610	BELVIAEV A S 51610		BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELVIAEV N V 78396	BELVIAEV N V 78396	BENEDICT M R 17137	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
				BENEDICT R C 155	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELVIAEV S V 2257	BELVIAEV S V 2257	909	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELVIAEV N I 101700	BELVIAEV N I 101700	BENEDICT R G 69173	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELVIAEV N S 42458	BELVIAEV N S 42458	BENEDICT R H 60327	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELVIAEVSKII I 15403	BELVIAEVSKII I 15403	106309	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELVIAEV A 66380	BELVIAEV A 66380	BENEDICT W G 5342	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELVIAEV I I 86012	BELVIAEV I I 86012	37633 77140	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELVIAEV N M 76052	BELVIAEV N M 76052	BENEDICT W V 13983	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELVIAKOVA L P 57228	BELVIAKOVA L P 57228	BENEDICTIS M DE 76240	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELVIAKOVA R G 48252	BELVIAKOVA R G 48252	108031	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELVIAKOVA Z P 55974	BELVIAKOVA Z P 55974	BENEDICTUS G 84701	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELVIAVSKAYA E 68031	BELVIAVSKAYA E 68031	BENEDICTUS-SAINT 80504	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELYSHEV B F 64269	BELYSHEV B F 64269	80533	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELZ R 106570	BELZ R 106570	BENEDITO-LOPEZ J 65545	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
		BELBRIDGE T J 12855	BELBRIDGE T J 12855	BENEDITTO G DI 78015	BENKOVSKII L M 19482	BENKOVSKII L M 19482	BENKOVSKII L M 19482
				BENEKE E S 1			

ITEM	ITEM	ITEM	ITEM	ITEM
BENNETT N W 82732	BEQUAERT M 5234 53305	BERG L R 22512 22587	BERGMANN H 4535 15239	BERNARD J --CONT 109248
104559	BEQUETTE R K 25562	41956 72565 72566	63340 93882 104810	BERNARD J G 52766
BENNETT O L 17495	25569 25570 25571	BERG L VAN DEN 7364	BERGMANN J F 56241	BERNARD J M 535
47961 49592 102111	25770 47879	BERG M 2443	BERGMANN J H 12045	BERNARD M 89356
BENNETT P C 41310	BERAHA L 58460 99546	BERG M A 47879	12046 21252 40602	BERNARD R A 72137
82970 82971	107330	BERG P O 23117	81039 81040 81041	BERNARD R F 83131
BENNETT R 85933 96936	BERAN F 54199 64522	BERG R T 92172	BERGMANN L 27821	BERNARD R L 28711
BENNETT R D 10162	64816 77496 93940	BERG R W 5701 40706	BERGMANN R 51336 81579	BERNARD-DAGAN C 10175
BENNETT R R 35373	94504	46435 62704	BERGMANN T 53622	BERNARDELLI O 108671
49006	BERAN K 724	BERG R Y 57 26808	53623 66472	BERNARDI G 14351 42566
42565	BERAN V 79119	BERG S O 8523 35595	BERGMANN V 20411 29474	43238 46540 64179
63527 63913	BERANGER A 13252	BERG W 77497 83400	BERGMANN W 20471 60116	95374 95375
BENNETT W F 11848	BERANGER R 26155	BERGAL P 1471 96937	39907 71547 106571	BERNARDI L 83 46822
68691	BERAR U 37963 40153	BERGAMASCHI A 103852	BERGNA D A 90276	BERNARDI P DE 44164
BENNETT W H 1675	BERARD H L 87916	BERGAMUSCHI A 58505	BERGNER H 4335 41204	BERNARDI R 56717 108588
BENNETT-CLARK H C 43148	BERARDI H 41742	BERGANN F 27818	BERGNER K G 33982	BERNARDI R B 53715
BENNETT-JONES R 26890	BERARDI P 66072	BERGBOUSH V L 62681	54096	BERNARDIN J E 78456
BENNING L 54162	BERATLIEF C 479	BERGDOLL J F 84382	BERGNER W 75230 95854	BERNARDINI G 71608
BENNINGHOFF W S 47614	14107 47569	BERGDOLL M S 24347	BERGOLD G H 105923	BERNARDINI G 91811
BENNO P 33295	BERATLIEF Z 93957	BERGE J 96563	BERGONIA H T 91268	BERNARDINI G 91811
BENNUA A 78906	BERBEC E 23184	BERGE O I 64672 73992	BERGONZINI E 74673	BERNARDINI G 91811
BENO D W 99276	BERBEC J 19726 59435	BERGE S 22857 41819	BERGQUIST A 58649	BERNARDINI G 91811
BENOIST C 107435	BERBEE J G 37761 47210	BERGE V S 52415	BERGQUIST D H 86336	BERNARDINI G 91811
BENOIT H 68296	BERBINSCHI C 63239	BERGEAUX P J 20595	BERGRAHM B 42113	BERNARDINI G 91811
BENOIT J 52271	104809 34513	70490	BERGSBAKEN C 6765	BERNARDINI G 91811
BENOIT P L G 43193	BERCAW J R 31254 31666	70489	BERGSMAL L 12856 41490	BERNARDINI G 91811
63990	BERCEA I 31541 31969	70489	55390 55464 103523	BERNARDINI G 91811
BENOIT R 42272	BERCES S 78559	BERCEK T 67636	BERGSOE S 22937	BERNARDINI G 91811
BENOIT R J 7555	BERCESCU V 85272 85273	BERGELSON L D 70357	BERGSON M 12333	BERNDT W L 14227
BENOIT-JANIN P 49839	69560	BERGEN A 12358	BERGSTEDT J 20221	BERNER D 12857 12858
BENONI H 19140 19410	BERCHOUX C DE 26984	BERGEN A VON 27439	BERGSTEDT J E 79087	BERNER L 9300 17571
BENOTT G R 89346	BERCHOUX C DE 39599	BERGEN L VON 21391	BERGSTEN G 102850 102851	BERNER L M 87302
BENSADOUN A 12694	BERCK B 27367	BERGENDAH J 33136	BERGSTOM J W 35975	BERNER U 95802
22775 42196 82837	BERCKS R 47471 47472	BERGENDAH P O 37417	BERGSTROM P L 3426	BERNET J 9247
BENSAM A 23483	68259	BERGENHOLM P 30313	3427 92150	BERNFELD P 78909 78910
BENSEN T F 31639	BERDAU W 93181	BERGER 51107	BERGSTROM R 74983	BERNHARD 38986
BENSEN W D 86444	BERDNIKOV V F 69031	BERGER C A 28260 58657	BERGT K 9666	BERNHARD C G 33357
BENSEND D W 91423	BERDYSHEV V D 70693	BERGER F 99831	BERHOW S 19922 101241	33358
BENSINK J 58209	BERECZ S 93585	BERGER G 90593	BERI R M 12401 82900	BERNHARD F 89073
BENSON A A 1296 48593	BERECZY D 51301	BERGER H 44247 56156	29388 39584	BERNHARD G 76474
58962 78907 89894	BEREGSZASZI F 64421	62998 91765 95005	14851 96257	BERNHARD K 67443
89928	BEREGSZASZY A 23986	BERGER J 28441 82795	BERIDZE G I 27464	BERNHARD M R 99569
BENSON A P 37044 101411	33528	82796	BERIM N G 67999 83129	BERNHARD R A 1309
BENSON B L 91910	BEREK G 52660 82913	82710	83130	54992 75537 100569
BENSON E T 7742	BEREK MRS G 93702	BERGER K 78374	BERINDEI M 1923 10558	BERNHARD S P 21609
BENSON L L 17979 27016	BERELSON D B 25460	BERGER K C 20596 104677	BERIO E 33356 95373	BERNHARDT 17321
BENSON N 2317	BEREND I 45457	BERGER L A 105920 105921	BERNSTEIN B 27183	BERNHARDT F 41205
BENSON N R 910 911	BERENDEI A E 59540	105922	BERKAU R 62559	BERNHARDT L 7732
2011 4857 37962	BERENDES H D 5235	BERGER P 37418 53806	BERKEL A 81290	92105
39906 47962 47963	BERENDYAEVA E L 63847	BERGER R 45764 53807	BERKEL N VAN 18812	BERNHART A 40539 81580
BENSON R B 5438 5439	BERENGHI I 10423	BERGER R S 5521 42411	24270	BERNIER B 981
14782 14783 43194	BERENI J 52766	64178	BERKELEY D S 36435	BERNIER G 18495
95286	BERES J 49972	100694	BERKELEY E 36435	BERNIER I 35254 84975
BENSON T F 103958	BERESFORD J T 67210	BERGER S 87734 68340	BERKELHAMMER G 4634	BERNIER J C 78911
BENSON W L 6533 6584	BERESFORD M W 67091	BERGER-LANDEFELDT U 53519	BERKENKAMP B 8989	BERNIER P E 93240
BENSON W W 6424	BERESFORD S W 58522	BERGERARD J 74563	BERKENKOTTER P 104968	BERNINGER E 39330
BENT K J 9380	BERESFORD T 76110	BERGERET J 74563	BERKHIN S I 70322	BERNINGER L M 7553
BENTELE W 31253	BERESFORD T 91424	BERGERON D 41659	BERKHIN YU I 27465	35383 77625
BENTERUD O 24968	BERESFORD-PEIRSE H 91425	BERGERSEN F J 27819	BERKHOFER R F 45945	BERNIS W O 72371
BENTERUD T 85181 85347	BERESIN B V 89378	27820 39767 47615	107331	BERNITZ A 15361 67273
BENTHAM R J 45983	BERESKIN B 12786	BERGERT H 2690	BERKLEY M C 70053	BERNOLAK A 98653
BENTHIEH H A 82244	BERESKY A 60328 91035	BERGESON G B 9264	BERKLEY R H 20598	BERNSDORFF M 97732
BENTHOLM B R 59310	BERESNEV V K 53714 84432	77874	BERKMAN R N 32503	BERNSTEIN D A 50648
82033	BERESNIEWICZ W 38817	BERGFELD J 51820	104887	BERNSTEIN E 58506
BENTICK B L 46354	BERESTOV V A 32226	BERGFELD R 913	BERKO I M 77993	BERNSTEIN H 89248
BENTINCK G A 33355	BERESTOVSKII G G 11802	BERGFELDT G 20597	BERKO J 9667 89997	BERNSTEIN I A 9888
BENTINCK-SMITH J 72491	29984	23420	BERKO N F 18813	BERNSTEIN L 27899
BENTLER W 25838	BERESTYNSKA-WILC-ZEK M 105549	BERGGREN F 97649	BERKOVICH R D 62925	BERNSTEIN L 27899
BENTLEWSKA K 45762	BEREZENKO N M 30354	BERGGREN G H 79846	BERL W G 61212	28267 58507 68694
BENTLEY C F 20566	BEREZENKO N P 58210	BERGH B D 79471	BERLA H F 36866	BERNSTEIN S 95312
46117 89627	BEREZHKO S T 79383	BERGH J P VAN DEN 77992	BERLEPSCH B VON 60918	BERNSTEIN-ZIV R 72609
BENTLEY E R 75529	BEREZHNIO I P 59541	BERGHEN C 88214	BERLIN E 6479 54097	BERNTON H W 8534
BENTLEY O G 80139	BEREZHNIOVA V V 78339	88966 99001 99003	BERLIN J D 68110 99833	BERNTZEN A K 41795
BENTLEY P J 104169	BEREZIN A M 70974	102508	BERLIN L C 105812	BEROV L 56157
BENTLEY R 69174	BEREZIN V 65372	BERGHEN C VAN DEN 47616	BERLINE R 26247	BEROZA M 4630 4635
BENTLEY R D 74136	BEREZINA E 97150	BERGHEN P 81716	BERLINER B C 28944	23031 32582 33488
BENTLY J P N 55832	BEREZNEGOVSKAYA L N 912	BERGHOF H 95961	BERLINER M D 46696	43900 63436 83471
BENTON A H 64270	BEREZNEV A P 69197	BERGIN E G 30604	89348	99685 105516
BENTON A W 14295 23450	BEREZNIKOV A V 12787	BERGIN P 18811	BERLINER MRS B C 38944	BERQUER L 85904
BENTON D A 88631	BEREZNIKOV P 33529	BERGLUND B E 533 534	BERLINER V R 22391	BERRET M R 9668
BENTON M 67682	BEREZNOVA E F 11320	BERGLUND E 2318	BERLYN G P 61575	BERRETTA A M 26010
BENTON R 98126	BEREZNOVA E F 76956	BERGLUND N 73932	BERLYN R W 61297	BERRIE G K 8779 9381
BENTON W J 82583	80089 80090 89347	BERGLUND O 30145	BERMAN A 51958	47713 89074
BENTVELZEN P 63991	BEREZOVNIKOV A D 1364	BERGLUND R 25057	BERMAN D T 7443	BERRIER H H 103176
BENTZ A 78373	BEREZOVSKII A 91810	BERGLUND S 70694	BERMAN D T 13038 41676	BERRIMAN L P 1814
BENTZ B 7342	BEREZOVSKII G A 75159	BERGMAN E L 79649	42291 51929 61767	25131
BENTZ H 91911	BEREZOVSKII M YA 49407	BERGMAN N 4364	BERMAN H D 15404 34724	69662
BENTZ R P 7343 45792	BEREZOVSKII V G 10424	13663 42161 42162	BERMAN M D 55521	BERROCAL C M 22249
66753 97582	BERG A H VAN DEN 63733	BERGMAN F 30314 40623	31788	22894 41669
BENTZION I 104629	BERG A VAN DEN 73343	BERGMAN J 12359	BERMANN R 83587	BERRUCCOS J M 93745
BENUCCI V 75456	BERG B 35324	BERGMAN L O 51717	BERMANT G 32024	BERRY A B 21253 50694
BENUM O 87393	BERG B N 104221	BERGMAN R 56376	BERMINGHAM M 10134	BERRY C 97505
BENUMEYA G 22143 34159	BERG C O 23790 43051	BERGMAN R E 44391	BERNACKI A 53692	BERRY C R 238 16613
BENUS J 42075	BERG E 30312	BERGMAN R K 92387	BERNAD A 30468	BERRY D M 104313
BENVENISTE P 18270	BERG F 10425 45763	BERGMAN T 6357 6478	BERNADZKI E 77994	BERRY D W 18415
78908	BERG G L 76893	BERGMAN V 29592 60329	BERNAERTS M J 24348	BERRY E 19950 19951
94035	BERG H W 42273 74562	BERGMAN W 3440	BERNAHRT D 26130	BERRY E C 35836
BENVENUE A 20789	BERG J C T VAN 24969	BERGMANN A 65433	BERNAL E R 85033	BERRY F H 40393
BENVENUTI A 29851 44829 59780	BERG J W O VAN 38440	BERGMANN D R 7191	BERNAL J D 109247	BERRY I L 23118 62106
BENVENUTI B 87356	DEN	BERGMANN E D 83127	BERNARD A 12955	BERRY J 88060
87394	BERG J W O VAN 38440	BERGMANN G 7158 107663	BERNARD C 52419 93632	BERRY J H 31889
BENZ G 4685 93939	DEN	BERGMANN H 74291 90802	BERNARD G R 14593	BERRY J W 55590
105919 106069	BERG L 82732	BERGMANN J 74291 90802	BERNARD H 74291 90802	BERRY L J 60658
BENZ L C 43869 78746	BERG M 41956 72565 72566	BERGMANN K 77498	BERNARD I 74291 90802	BERRY R C 97495 97496
80066 102112	BERG M A 47879	BERGMANN L 23117	BERNARD J 74291 90802	107976
BENZ R C 33934 73918	BERG M A 47879	BERGMANN M 2443	BERNARD K 74291 90802	7978 76475
84647 84648 106470	BERG M A 47879	BERGMANN N 4364	BERNARD L 74291 90802	
BENZIE D 63188 61188	BERG M A 47879	BERGMANN O 30145	BERNARD M 74291 90802	
BENZIE J W 61188 61296	BERG M A 47879	BERGMANN P 23117	BERNARD N 74291 90802	
BENZINGER T H 41275	BERG M A 47879	BERGMANN R 56376	BERNARD O 74291 90802	
BEQUAERT 14592	BERG M A 47879	BERGMANN S 70694	BERNARD P 74291 90802	



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
BERRY R L --CONT 87241	BESSARABOV B F 104314	BEVERWIJK A L VAN 88025	BHARGAVA S N 9146	BHRAMARAMBA A 26012	
BERRY R W 47358 54926	BESSARABOV S F 81238	BEVLACQUA G 89786 109174	68697 9671	BHRARA S C 91754	
BERRY T J 104072	BESSARD A 5220	BEVIN R H 22008 60330	51361 81446	BHUIA N I 97593	
BERRYMAN J H 21392	BESSE J 11134 21534	BEVINS N F 24745	651	BHUIYA Z H 11225	
BERS E P 27846	BESSE R S 8525 77111	BEVIR J L 24746 24747	18417	BHUIYAN M A M 107511	
BERSON J P 12548 12549	BESSELING A J 33036	BEVIR J L 24747 24750	32984	BHUMBLA D R 39731	
BERTAUD W S 58211	74901 74918	BEVIR J L 24750 24752	54640	BHUTANI J 3582	
BERTENSEN E 65140	66980	BEVINS N F 22322	25117	BHUTANI R C 107332	
BERTENSEN S E 55465	BESSENAY G 90339	BEVIR J L 88678	9672	BHUWANE D 36147	
BERTEN D 98739	BESSER J F 99244	BEVIR J L 49013	27825	BHUYAN K 10159	
BERTHE L 90118	BESSET J 21535	BEY C F 30355	70194	BIACSI I 100767	
BERTHELEMY P 23583	BESSEY R F 76575	BEYE H K 83244	45156	BIALE J B 75353	
BERTHELEMY C 106113	BESSEY H 16238	BEYER A 3428	10403	BIALIC J 92273	
23583	BESSON 44321 52912	BEYER D 43401	59282	BIALIAS S 108437	
BERTHELOM M 22144	94373	BEYER D L 91733 103033	100882	BIALOBAS S 102617	
92881	BESSON A 39816	BEYER E M 71363	15900	BIALOROK S 88115	
BERTHET A 21902	BESSON J 18816 47211	BEYER F 51013 106951	55965	BIALSKI E 26527 56158	
BERTHET P 5064	16127	BEYER G H 46119	93317	BIALY G 104546	
BERTHEY P H 61527	103005	BEYER H 24970 62103	16011	BIANCA W 3315 31255	
103005	BESSONOV A S 104811	BEYER J 82399 82400	55128	BIANCANI M 54976	
BERTHI A 22060	BESSONOV E V 102104	BEYER M 84538	27662	BIANCHEDI A 77501	
BERTHOIS L 102264	BESSONOV I A 58963	BEYER W 7957 80921	4636	BIANCHETTI R 38510	
BERTHOLD R 7743	BESSOT P 46697	BEYER E 9669	5567	38511	
BERTHOLD W 97124	BESUDDO D 104163	BEYERMAN H C 19269	14086	BIANCHI A 765 18694	
BERTHOLDT H 78956	BEST A 67056	BEYERS C P L DE 47967	14912	27469 27663 47837	
BERTHOLDT H D 30725	BEST J P 3127 21816	BEYERS R J 99784	7305	53740 58786 59105	
BERTHY H P 81403	BEST K F 20222 38067	BEYRON V H 30854	16011	100029 100030 108038	
BERTI A L 4708 8076	43654 59919	BEYR J 80234	54433	BIANCHI B 74986	
BERTI L 43787	BEST R B 19923	BEYRICH H 91812	62326	BIANCHI E 89787 93055	
BERTIN-ROULLEAU J 54454	BEST R E 34354	BEYRICH H 43196	91912	BIANCHI F A 52827	
76111 76732	BESTAGNO G 57880	BEZ V 12476	65014	BIANCHI G 52170 76476	
85083 87617	BESTAVASHVILI N Z 53552	BEZANGER-BEAUQUE- 7401	85085	39052	
BERTKE E M 108233	BESTER J M 55466	SNE L 37558	13917	BIANCHI H 52913 53047	
BERTKE E M 41957	BESUCHET C 23585	BEZARD J 74751	5469	BIANCHI J P 79925	
BERTL H 35028 44987	BETEREV M M 24172	BEZBARUAH B 88267	3342	BIANCHI P 68111	
BERTLING L 16197 74852	64446 64493 64538	BEZBARUAH H P 9382	62683	BIANCHI R F 71609	
75336	BETHE J G C 63583	18496 88267	65633	BIANCHI W C 70247	
BERTOK E I 6007	BETHEL J S 51337	18496 88267	85656	BIANCO F M DEL 24753	
BERTOK L 32430	BETHELL R S 90329	18496 88267	68341	24806 96154	
BERTOLAINI-MARCH- 36614	BETHGE P D 61432	BEZENCON M 26983 77743	27467	BIANCO L 100570	
ETTI D 20813	BETHKE S 7822 17138	BEZENKO T I 103516	772	BIANCO P 37965 38383	
BERTOLANI G 85380	BETHLAHMY N 12078	46972	17998	46788 47971 49537	
BERTOLANI-MARCHE- 36614	BETHUNE J E 91538	88502 99055 99059	79369	BIANCO-PARELLA F 5968	
TTI D 102568	BETINA V 27824	BEZERRA W M 3619	74369	BIANU I 53648	
BERTOLDINI G 31267	BETKE P 4127 13664	BEZINGER E N 1421	5380	BIAR E 91037	
BERTON C 64523 77499	93182	BEZMENOV A I 2112	14501	BIAYATI S T 31537	
BERTONI L 31391 31428	1543	BEZMUKOV N 47968	14723	BIBACH B 44831	
BERTONI M H 26010	BETRABET S M 1543	BEZRUK P F 107122	64082	BIBELRIETHER H 40567	
45109 75623	6598 34514	22749	59104	BIBERRIETHER H 102618	
BERTOVIĆ S 87917 109070	BETREM J G 14784 43195	70054	84210	BIBERSTEIN E L 42125	
BERTOYE R 96417	BETSON R P 102113	73160	105550	106114	
BERTRAM D S 52767	BETT H 49153	BEZUGLOV V G 70054	22238	13678	
73123 94053	BETTA A L F 37972	BEZUKLADNIKOVA N 73160	42124	42124	
8198 108814	BETTA P 22690 26218	73884	9383	BIBIKOV YU A 131800	
BERTRAM F 108384	59920 90340	71223	13619	BIBIKOV G M 50723	
BERTRAM F E 51374	105924 105925	85084	89075	BIBIKOVA V A 63847	
BERTRAM H J 19303	84938	BEZVERSHEKOV S E 85084	36615	49154	
BERTRAM I 13113	BETTENDORF H J 72955	69647	58741	BIBIKOVA V F 4154	
BERTRAMSON B R 101908	BETTENDORF H J 72955	69647	57901	BIBILE S W 22278	
102327	BETTERTON H O 89785	28172	96153	BIBLE B L 23972 33519	
56883	BETTI A 65467	34550	81095	36055	
66473 73909	BETTIN L 97028	3090	26502	78375	
68600	BETTING L 66453	9670	35525	BICLA M 62133	
102436	BETTINGER L 90594	41743	14087	BICA-POPII O 22951	
BERTAND A R 60533	BETTINI S 23119 83217	62093	32802	31292 31911	
BERTAND D 18815 37964	BETTINI T M 21724	17091	85906	BICHA K D 45946	
39908 39909	21725 22283 22284	83217	96938	BICHARD M 52485 93600	
49974 58508	31074 51635 61951	92614	3365	104560	
BERTAND H 5126 23584	91785 92151	92615	3366	BICKHAUSKENE S B 98403	
94820 104953	BETTINOTTI C M 62782	62782	73116	BICHO J G 30668	
BERTAND H A 43199	BETTO E 47945	47945	86271	BICHSEL S E 7444	
BERTAND J 96767 96768	BETTS A O 13799 13829	13829	25036	BICHUL K G 32686	
BERTAND M 62167 71742	30852 62169 82972	82972	31934	BICK G H 43337	
BERTAND R M 32708	BETTS M E 46266	46266	44281	BICKEL R 51636	
BERTAND S 15684	BETTS T J 69176	69176	81243	BICKERSTAFF A 21043	
BERTSCH H 16570 108762	BETZ A 48521 56771	56771	16177	50517	
BERTSCH K 8636 67936	BETZ F W 15982	15982	13680	21195	
BERTSCH W F 914	BETZ J T 105926	105926	92388	60902	
BERTSCHINGER H U 62168	BETZEM J 69951	69951	83916	BICKHARDT K 32525	
BERTUZZI P 65373	BEUCKBAUER H 18271	18271	69374	BICKING C A 21563	
BERVILLE P 23277	BEUKERING C H J 51393	51393	22794	BICKLEY J C 75624	
BERWICK A J 46493	BEUMER J 7831 26748	26748	83499	BICKLEY W E 5609	
BERZHE YU S 91563	BEUSCHEL G K 40467	40467	37634	BICKNELL J S 104082	
BERZINA A 43063	BEUSTER K H 69503	69503	13972	BICKNELL R H 51044	
BERZINS J 57178	BEUTEL J A 2319 19787	19787	17714	BICKOFF E M 21743	
BERZINSYI-JANOSI- 10314	100116	100116	47895	100641	
TS S L 62999	BEUTELSPACHER H 80002	80002	68615	BICUDO C E DE M 174	
BESCH E D 94681	101716	101716	102094	BICUDO R M T 174	
BESCH W 18416	BEUTLER J H 91702	91702	28442	BIDABE B 9674	
BESCHER R E 62403	BEUTLER H O 7339	7339	39748	BIDAN P 26248	
BESEDA M 40009	96927	96927	90888	BIDDISCOMBE E F 17497	
BESSEDIN P N 13916	78858	78858	70865	BIDDULPH J 83917	
BESEMER A F H 77500	BEUTLER R 45549	45549	26899	BIDULPH O 9665 68891	
47062 63528	BEUTLER G 27466	27466	697	BIDULEAN V 80694	
BESEMER S T 83491	BEVAN A R 7393	7393	68425	BIDLINGMAYER W L 53370	
87826	BEVAN C W L 30666	30666	68000	95121	
BESENYEI Z 50710	69177	69177	8990	BIDMEAD D S 75255	
BESETH L 12956	BEVAN D 63689 83534	83534	27151	BIDOWA I 35597 54342	
BESKARAVAINYI M N 4388	BEVAN E A 88637	88637	39040	BIDWELL O W 29593	
BESKLEBNOV V A 85905	BEVAN W J 88906	88906	55310	80151 80157	
BESKIN L I 2102	BEVANDIC M 8421	8421	9090	BIDWELL R G S 28328	
BESLEY A K 45204	BEVENUE A 25343 33981	33981	79120	38512 48426 58654	
BESLEY L 71476	43901 54975 85710	85710	100118	100571	
BESNIER-ROMERO F 46118	BEVER 48448	48448	26011	BIEBEL J P 59538	
BESODIN E M 80150	BEVERIDGE J L 47966	47966	61807	BIEBEL P J 27670	
BESPAKHOTNYI G V 55833	BEVERIDGE J M R 15631	15631	30996	BIEBER L L 23638	
BESPALOV A I 93821	3114	3114	61715	BIEBERLY F G 19483	
BESPALOVA V S 26263	BEVERIDGE W I B 3128 30853	30853	218	BIEBERSTEIN D 102448	
BESPALOVA Z G 27823	BEVERLOO W A 34160	34160	47011	BIEBL R 27826	
47965			45377	BIEWUCK D 87242	
BESPOLUDENNOV YA 53716			47544	BIEDER W 69524	
BESS H A 83402			44439	BIEDRON S I 59070	
			47969	BIEGAJLO W 26749	

BIEGELEISEN J Z	97079	ITEM	BILBO B C	85810	ITEM	BISANZ J	12334	ITEM	BIXLER E	--CONT	174251
BIEGUSZEWSKI H	4365		BILBRO J D	15834		BISCHLER H	161 77435		BIZEAU C	89789	96258
	4366		BILD C E	103959					BIZOLLON C A		106900
BIEL E R	58138		BILD I	91060		BISCHOFF H W	29530		BIZOT M	77437	77445
BIELANSKI W	12550		BILDA A Z	101276		BISCHOFF J	8200 96155			99004	99005
13329 51375	72138		BILDER R B	8199		BISCHOFF K	15020 19698		BIZZARRI M P		36939
	72139		BILDERLING N DE	67683		BISCHOFF T	5653 7833		BIZZELL W E		104630
BIFLAWSKI K	53235		BILLECKI S	76894		BISCHOFF W	7834 15021 16774		BJARMARK O		81422
63914 83818	83819		BILEK A	106115		BISCHOFF T	26751 53909		BJARNASON H		30286
83820	94821		BILEK O	59465		RISCOE T J	31538			36437 36438	67521
BIELECKI A	15811		BILBENKER E N	34094		BISERTE G	25216 65755		BJARNASON H F		98254
BIELEN J	62550		BILES C R	82983					BJARNE T		11378
BIELEN R	34605		BILGRAMI K S	420		BISESSAR S	8991		BJEGOVIC P	32742	33359
BIELENBERG H	84649			916 17913		BISGARD G E	52013			87827	105868
BIELENIN I	23742			37019 89349		BISHARA R H	63372		BJELKE-HOLTERMANN		2320
BIELESKI R L	9675		BILGRAMI S A H	77502		BISHAY R	34930		A	101910	106344
BIELEFELD T	67075		BILINSKI Z	95006		BISHOP A W	60061		BJERKE H M	35513	3551
BIELINSKA K	52497		BILIO M	33037		BISHOP C E	35748 45639				108122
BIELINSKA-CZARNE-	915		BILTIOTTI E	43239			66327 67197		BJERKESTRAND E		19952
CKA M			BILKEY D A	104569		BISHOP D	2410 2635			35384	38396
BIELINSKI K	4058		BILL S M	70055		BISHOP D R	7090 25792				23985
	41908 104250		BILLE B	44328			27184 107558		BJERNINGER S		84271
BIELIUKIENE S	37966		BILLEG G	59068		BISHOP D V	82075			59148	95695
BIELSKA R	49289		BILLERBECK K	2430R		BISHOP E J B	3343				97510
BIELLIER H	93406		BILLESKOV H	45481					BJOR K		12961
BIELORAI H	58509		BILLET D	10153		BISHOP G N	46823		BJORA E		45767
BIELY J	4255		BILLEWICZ W A	8321		BISHOP G S	7445		BJORCK G		22369
	41909 62724		BILLIAR R R	13991		BISHOP G W	32741 99610		BJORK O		75493
	72637 72638		BILLING E	431		BISHOP J C	42981 85381		BJORKELL B		12208
BIELY J P	4256		BILLINGS C E	56772		BISHOP L R	6953		BJORKELLAND C M		69337
BIEMER F	24212		BILLINGS R R	66163					BJORKKLUND G		87944
BIEH S	90793		BILLINGS S D	73044		BISHOP M A	56560		BJORKMAN E	12412	21453
			BILLINGS W C	89039		BISHOP M W H	72506		BJORKMAN N	30552	68113
BIEHFAIT J M	3547		BILLINGSLEY R	42864		BISHOP P M	78376			70340 99278	99279
	21749 22160		BILLINGSLEY H D	59539		BISHOP R A	56008		BJORKMAN G		22146
	31159 41501		BILLINGSLEY R	48958		BISHOP R B	34461		BJORKMAN O		103629
BIEHHEIM K L	56742		BILLOT J	48522		BISHOP R F	11554 49980		BJORKMAN T		27831
BIEHIEK H	31643		BILLOTTE J M	37189					BJORKOY J		103496
BIEHIEWICZ P	59311		BILLS C B	51890					BJORKSTEN C E		60829
	79262		BILLS C J	22750		BISHT B S	91119		BJORLING K	14089	88684
BIEH J E	18064		BILLS D D	74747		BISHT N S	89076		BJORNSON C B		41276
			BILMANN H H	109067		BISHT K S	93881			42325 52574	52575
BIEH K	84211 105699		BILKIN I P M H	57229		BISHT N S	27031 52828		BJORNSTAD A	27277	77875
BIEH R B W	3531 31885		BILONI J F S	39140		BISICCHIA L	75229				10932
	41975 62783		BILONI J S	18817		BISKUPSKI A	38685		BJORSJO N		46542
	82590 104315		BILOU V N	79550			44955 47972 48675		BJURLING J	15135	16886
BIEH RUIZEN J F	48406		BILOWICKI J	74108		BISDI N G	31433		BJURMAN B		10636
	48407			74109		BISOVETSKII T YA	28738		BJURSTROM I		82153
BIEH J G	43902		BILQUEZ A F	10524			79385 101909				60053
BIEH RING-SORENSEN	12957			68616 49978 49979 50190		BISPING W	3129 3130		BLAAUW J	15732	24991
U			BILTCLIFFE D D	44036			30858 31886 81937			85307 96421	96422
BIERNACKA I	77996			44037		BISCHOFF W A	103420 103628		BLAAUW O H		27832
BIEHSTEDT R	7832		BILTEANU G	917 2012		BISSELL E V N	41543		BLAAUW W P M		87619
	25805			10163		BISSELL L P	67274			85182 85183	85184
BIESALSKI E	66552		BILYK D P	79121		BISSELL L P	95680		BLACHERE H		70383
BIESHEUVEL B W	27530		BILYK H I	77306		BISSELL T L	14166		BLACHFORD S M		44081
BIESKE G C	19697		BILNAGHI G	94439 94466			32812 37067 68023 73178		BLACK A		36588
BIESTER H E	82973		BINDER L	93185		BISSET G B	95162		BLACK A C		43932
BIETTE E	96425		BINDER R	33789		BISSET K A	76389		BLACK A L		72140
BIEWINGA D T	84269		BINDER R G	45111 97195		BISSET W J	76899		BLACK B C		16274
BIEZANKO C	27554		BINDER W	74817 106923		BISSON F C	6535		BLACK C A	2329	20674
BIFANO R C	70695		BINDU C	10106 37544		BISSONNETTE H L	48706				2674
BIGALKE R A	92106			37545			57757		BLACK C C	985	19273
BIGAT T	45110 48363		BINDLEY M D	32583		BISTIS G N	9384		BLACK C J	19300	58964
BIGELOW C A	9170			73045		BISTLINE F	18066		BLACK D L	71927	72712
BIGELOW H E	17876		BINDLOSS A	44392		BISTRAM W BARON	93626		BLACK D R	6761	25372
BIGET P	26750		BINDRA O S	14088		VON	109147				36339
BIGGAR J W	20377 20412		BINDRICH H	41570		BISTRICEANU C	59313		BLACK E D		33488
BIGGERS J D	12958		BINDSEIL W	50695		BISTRICEANU E	65195 96662		BLACK E O		91038
	42048 62785		RINET M L	36436		BISWAS A C	75549		BLACK G K R		56160
BIGGINS J	100572		RINET P	9676 100119		BISWAS K K	73116		BLACK H C		61246
BIGGS A A	15323		BING A	29159		BISWAS K M	19392		BLACK J A		45483
BIGGS D A	65037		BINGEFORES S	1571		BISWAS P K	9677 27829		BLACK J D F		11652
BIGGS E G	27353 33642			10426 13934		BISWAS S C	33449 37971		BLACK J G	31104	31105
BIGGS G W	75672			59312 68307		BISWAS T D	11171 27446		BLACK J H		23586
BIGGS P M	4128 93183			78236 79216		BISWELL H H	49823		BLACK J K		60573
BIGGS R	106169		BINGEL K F	72796			50768		BLACK L A	24844	85263
BIGGS R H	58619 58796		BINGEMAN C W	11001		BISZKUP F	41942 41943				96408
BIGGS W A	2989		BINGHAM B E M	107152		BISZTRAY A	46120		BLACK L M	18272	23257
BIGGS W E	25287		BINGHAM C	46654 6358		BITANCOURT A A	9678		BLACK L T		65987
BIGI F	25288 68121		BINGHAM E W	106899			37972		BLACK M K		28103
BIGLAND C H	22588			939		BITCOVER E H	34999		BLACK P H		3532
	93184		BINGHAM F T	2407 34651 44539		BITMAN J	12960 13666		BLACK R		95933
BIGLER F	98488			80003 80052		BITNER E D	62426 62656		BLACK R D		15011
BIGLEY W S	13961 13962		BINGHAM J	54491		BITNER I W	75441		BLACK R E		12079
BIGNARDI A	22145 45765		BINGHAM R	67520		BITNER W	74261 85909		BLACK R G	24830	74778
	46541		BINGHAM R H	26013		BITSCH J	5607		BLACK R M		60966
BIGNONI G	74679 96333		BINGHAM R T	64854					BLACK S		16571
BIGOT L	63810 105927			9660		BIRNIE J G	80464		BLACK T M		41153
			BINGHAM S W	30311 102619		BIRNSTIEL M L	100621		BLACK W C		40928
BIGOTTE J	32172 63038			11002		BIRO F	7121 31256		BLACK W E	34039	44622
	93607			43655 49408 70056			82232			44633	55021
BIGSBY F W	106382			89664 90595		BIRO J	56159 82974		BLACK W G	103689	103731
BIGWOOD E J	46471		BINGHAM W E	78913		BIRO K	918 28890		BLACK W R		80061
BIHALY A	82882 93763		BINI G	18819 27827		BIRO S	54001 15921		BLACKBURN F		9681
BIHAUG T	52415		BINIEC W	52012		BIROSEL D M	41958		BLACKBURN G		80152
BIJCKER C	40155 80509		BINITLAUSKAITE I	27264		BIROVA-VOLOSINOV-	41959		BLACKBURN J A		107123
BIJLNGA G	22203			37394		ICOVA V	41959		BLACKBURN J S		54247
BIJOK K	27471 37636		BINKLEY W W	55834 86445		BIRRELL K S	49594		BLACKBURN R D		90642
BIK A	29667		BINKS R	48517 78900		BIRSAN M	11651		BLACKBURN T H		3533
BIK R A	29668 29670 29671		BINNERTS W T	3429		BIRTH G S	6751		BLACKBURN T R		52576
	29673 29674		BINNE R R	80004		BIRTWISTLE R	43538		BLACKERBY L H		102254
	37967 37968		BINNS R M	62482		BIRTWISTLE S E	6278				
	39139 39910		BINNS W	52475		BIROKOW G	105609				
				72797		BIRULYA E	25791				
BIKBULATOVA G G	49679			93629		BIRYUKOV D	27072				
BIKKER F	16214		BINNS W D	61011		BIRYUKOVA V I	68515				
BILA E A VON	26601		BINSTED R	74522		BIRZA E	30857				
BILAI V I	36616		BIOCHANIN A	15789		BIRZA H	30857 31470				
BILAN M V	70257 71224			21892		BISAL F	32547 62221				
BILANSKI W K	106263		BIOKO A A	30856		BISALPUTRA T	596				
BILAUS I	102042		BIOI H	85086			9412 18498				
			BIOLCHEV A	40324			78090				



BLACKFORD F W	8904	BLAKEMORE J C	21818	BLEIER R	24904	BLOOD P T --CONT	69997	BOBBITT J M--CONT	48576
BLACKHAM C S	44393	--CONT	21819	41277	74854	BLOODGOOD L F	72499		58965
BLACKHURST F M	330			81708		BLOODWORTH M	37041	BOBEK H	73911
	331			6600		BLOODWORTH M E	70431	BOBES I	88805
BLACKHURST H T	8992	BLAKENBURG G	62735	6600			89545	BOBIN M	42274
	59782	BLAKENEY H	109146	62735		BLOOK T F	27833	BOBINSKI J	32891
	70663	BLAKESLEE J A	20516	6472		BLOOM F	109062	BOBKOV N K	29594
BLACKIE E J	33489	BLAKLEY E R	6472	8077		BLOOM F W	55669	BOBO R A	71694
BLACKIE I E H	33360	BLALOCK T C	8077	82035		BLOOM J R	481	BOBOSHEVSKA D	80006
BLACKITH R E	53516			72141		BLOOM L	4129	BOBOVICH V T	52639
	73742	BLAMPY P H	36056	101760		BLOOM W W	89077	BOBRITSKAYA M A	11226
BLACKLEDGE G T	72384	BLANARU V	90890	101760		BLOOMBERG J H	31257	BOBRO M A	78699
BLACKLER A W	64000			101764			41831	BOBROV A E	78091
BLACKLER H	47716	BLANC B	6359	6359		BLOOMBERG W J	12080	BOBROV E G	27447
BLACKMAN C L	88460	BLANC D	89353	6359		BLOOMFIELD G F	7393		57492
BLACKMAN G E	27481	BLANC F L	5261	89353			86380	BOBROV L G	101370
BLACKMARR W H	38340	BLANC G	94047	42657		BLOOMFIELD J S	85805	BOBROVA L P	102813
BLACKMON C W	102812	BLANC J	24059	94047		BLOOMSBURG G L	77089	BOBROVSKII V S	36498
	68241	BLANC R A	30859	24059		BLORE I C	104803	BOBYLEV A K	12725
	77852	BLANC-AICARD D	58511	30859		BLOSS H E	77703		92391
BLACKMORE D K	23032	BLANCH G E	66454	58511		BLOSSER R H	55884	BOBYLEVA Z I	31457
BLACKMORE L W	70057	BLANCHAR R W	47974	51126			87160	BOCALANDRU A G	32588
	70058	BLANCHARD A	95376	61203		BLOSSER R O	80512	BOCAN M	60574
BLACKMORE W E	6069	BLANCHARD D	39142	42988		BLOSSER T H	21813	BOCAR L	19484
BLACKSHAW A W	103421	BLANCHARD D D	52119	63370		BLOSSER T H	72115	BOCCADORA B	51472
BLACKSTONE J B	95740	BLANCHARD E E	64137	88923		BLOSSFELD O	21044	BOCCADORA B	52014
BLACKSTONE J H	31151	BLANCHARD L	87931	14942			30480		52015
	34351			83918			88116	BOCCARD R	4438
BLACKWELDER R E	73468	BLANCHARD D K	7081	31475		BLOT J	44441		22776
BLACKWELL E E	21565	BLANCHARD P	61952	67917		BLOUIN F A	6601	BOCCHIO F	97807
BLACKWELL L P	30087	BLANCHER J	107664	22795		BLOUIN J	74564	BOCCIA M	17322
BLACKWELL M J	36551	BLANCHET J	66328	22796		BLOUNT C L	100988	BOCEVSKI D	107951
BLACKWELL R	92152	BLANCHET M	26248	71524		BLOUNT S F	56672	BOCH J	3790
BLACKWELL R L	52474	BLANCHET R	90846	40659		BLOUNT P	104317		72956
	82746	BLANCHFIELD J R	55129	61922		BLOUSE L	103960	BOCH M S	37546
BLACKWOOD A C	22943	BLANCHON J	12552	61922		BLOW W L	22477	BOCH R	14296
	93657	BLANK E	24213	16014		BLOWERS R K	88967	BOCHANTSEV V P	57506
BLACKWOOD A G	103244	BLANKENBURG P	56009	39331		BLOXINSKA T	35171	BOCHOM J M	879
BLACKWOOD U B	97344			6329		BLOXOM J M	31045	BLOYS W D	50518
BLADA I	242	BLANKMEISTER J	17305	98490		BLUDOVSKY Z	90119	BLUE W G	7345
BLADERGROEN W	68698			78378		BLUESTONE H	16345		16346
BLAFIELD G	70975	BLANCO H G	9811	106556			35220		55702
BLAGODYR R N	29527	BLANCO-GARICA A	2321	64977		BLUHME A	97274	BOCHAROV S N	86470
BLAGONRAVOV B P	20814	BLANCO-LOIZELIER E	96156	4770		BLUHME E	68310	BOCHAROV V	90268
BLAGOVESHCHENSKII A V	58510			48651		BLUM A A	45550	BOCHDALEK R	62173
BLAGOVESHCHENSKII G V	73910	BLAND D E	1297	109118		BLUM A E	3818	BOCHENSKI A	27012
BLAGOVESHCHENSKII N I	101369	BLANDFORD F	106687	41190		BLUM B M	30203	BOCHER T W	603
BLAGOVESHCHENSKII V V	47617	BLANE C	54766	2863		BLUM H	30356		18500
BLAGOVIC S	62353	BLANEY H F	80511	66553		BLUM M A	43977	BOCHEVER A M	46121
BLAHA G C	92938	BLANEY L T	9682	40157			66981	BOCHKAREV A	86956
BLAHA J	18820	BLANFORD R H	78513	9302			65468	BOCHKAREV M A	95694
BLAHO P	76054			18795		BLUM M S	5172	BOCHKAREV M M	102370
BLAICH O P	74586	BLANJEAN L	33899	47975		BLUM W P	24529	BOCHKO N A	172371
BLAIM K	35385	BLANK G N	103528	107906		BLUMAN N	75189	BOCHNIG V	93979
		BLANK H G	37190	37191		BLUMBERG J B	80738	BOCHOW H	68002
BLAIN J A	70059	BLANK M L	75673	43820		BLUMBERG R D	4863	BOCIANSKI Z	69375
BLAINE B	17129	BLANKEN G	11653	91039			4864	BOCK A	47990
BLAINE E J	34725			76451		BLUMBERG W E	48526	BOCK H D	34494
BLAIR B D	23033	BLANK G N	37190	27664		BLUME F	24099	BOCK J H	6211
BLAIR B O	89610	BLANK H G	37190	89251		BLUME G T	56718	BOCK K R	26988
BLAIR G P	480	BLANKENBURG G	44531	90915		BLUME H P	11381		68286
BLAIR G W S	24807	BLANKFELD YU I	80005	7446		BLUME J	935	BOCK O M	94035
BLAIR J	108084	BLANKFELD GU I	16013	62172		BLUMENSTOCK H	53808	BOCK U	88117
BLAIR J F	5898	BLANKFELD YU I	16013	74793		BLUMENTHAL A B	6329	BOCK W	6760
BLAIR J G	47973	BLANKFELD YU I	16013	103630		BLUMENTHAL B	45551	BOCKELEE-MORUAN A	29676
BLAIR J L	81717	BLASCHKO H	61723	59031			70853	BOCKELMAN H VON	67233
BLAIR P T	65481	BLASCO-ESCUERO M J	45456	100639		BLUMER T N	22132	BOCKELMANN H VON	7744
BLAIR R	63188			95570		BLUMLE E B	67232		16663
BLAIR R M	48823	BLASEJ A	107559	58325		BLUNDELL J B	9819	BOCKELMANN I VON	92616
BLAIR-WEST J R	91913	BLASER E	13640	29985			78137		95766
	104631	58513	68700	7447		BLUNDEN G	100574	BOCKELMANN VON	15022
BLAIS	87395			243		BLUNDSCHI J E	103631	BOCKENHOFF E	16215
BLAIS J R	36690	BLASKOVIC D	103587	1716		BLUNT F M	103236		65850
BLAIS M	46122			6692		BLUNT M H	32227		65851
BLAISDELL F W	20815	BLASS C	102586	47473		BLUNT R W	11035		107691
BLAISDELL J L	15471	BLASSE W	40114			BLUTHGEN P	43197	BOCKER H	44192
BLAISE S	37638	BLASZCZAK W	27086	24214			95287	BOCKHOLT A J	47901
BLAISTEN R J	21744			64737		BLANKMAN Y	66394	BOCKHOP C W	2126
BLAIZOT C	8444			6099		BLANKMAN YA	45471		94323
BLAJA D	10648			57334		BLDENSTEIN J	18418	BOCKMANN H	8993
BLAKARSTUEN T	68699	BLASZYK P	20223	78379			70945		27087
BLAKE A C	7648			22043		BLYTH A W	11876	BOCKO J	29475
		BLATCHFORD S M	7237	65672		BLYTH J	104552		90265
BLAKE C	28615	BLATZ W	4926	36323		BLYTH J E	21375	BOCKS S M	3004
		BLAU G	27187	92275		BLUMBERG V	33530		18514
BLAKE C D	8905	BLAXLAND G	82468	103722		BD S	106952	BOCKSTAELE L	69181
		BLAXLAND J D	31971	92390			106954		99939
BLAKE C T	2341	BLAXTER K L	3315	51195		BOA W	11693	BOCKSTROM A	40624
				11512		BOADO E D	91647	BOCOCK K L	5065
BLAKE D H	94627			76957		BOAL R S	24409	BOCQUET H	108997
BLAKE D L	67111	BLAYDES D F	67684	919		BOALER S B	21149	BOCQUIER G	49840
BLAKE D N	40156	BLAYKHOVA S M	33139	47976		BOAN J A	26994	BOCSA E	37193
BLAKE G H	68046	BLAYLOCK B G	33139	70492		BOARD C	66555	BOCSA I	90086
BLAKE G R	2461	BLAZAS H	99569	23001		BOARD P W	24504	BOCSO J	45079
	79928	BLAZEJCZYK M	26987	18695		BOARD R G	97275	BOCSOR G	41777
BLAKE J	48471	BLAZEY D A	68309	27126		BOARDMAN N K	47977	BOCZ E	36491
		BLAZOVICH M	34014	81458		BOARDMAN R	17028	BOCZEK J	68003
BLAKE J T	82155			102942		BOARDMAN R M	90847	BODA I	173417
BLAKE M I	37974	BLAZOVICH M	98413	48525		BOAST W B	3251	BODA J M	42165
BLAKE S T	17641	BLEACKLEY D	11380	58965		BOATFIELD G	69340	BODA O	92146
BLAKE W R	85665	BLEAK A T	47288	97927				BODALSKI M	36135
BLAKELEY J M	26528	BLEASDALE J K A	49291	18499		BOATMAN C	65141	BODARD M	36771
BLAKELEY R A	96121			66554		BOATMAN S G	89371	BODASINSKI B	56378
		BLECHSCHMIDT M	21045	98345		BOATWRIGHT G O	78380	BODDEZ G	43978
BLAKELY L M	37975	BLEDSOE R P	54920	83287		BOAWN L C	19001		108234
BLAKELY P R	6599	BLEDSOE S	55467	104693		BOAZ T G	3316	BODDIE G F	12553
BLAKELY R	7812	BLEGEN O	103525	14418		BOBARIKO L I	59609	BODDY H	49064
BLAKELY R M	16344	BLEGEN T C	40753	21820		BOBB D	58966	BODDY R	19022
	31887	BLEI H	54937	71693		BOBB M L	14785	BODE H R	58515
BLAKEMAN J P	88544	BLEICH D D	3789	58514			57758	BODE V	927
BLAKEMORE J C	12551	BLEICHERT H VON	2878	53791		BOBBITT J M	38626	BODEANU N	36966

	ITEM		ITEM		ITEM		ITEM		ITEM
BODEFORS B E	60919	BOEV S N ---CONT	63068	BOHENSZKY GY	82386	BOLD H C ---CONT	46961	BOMBOSCH S ---CONT	94267
BODEGOM J VAN	36773		81721	BOHL E H	52622	BOLD I	108589	BOMEKE H	1717 58518
BODEN S M	62069	BOEV V	38687	83024	93863	BOLDEA E	7054	89563	89355
BODEN W	93819	BOEVA A	11161	BOHL K	15136	BOLDIZSAR H	13488	BOMER H	13801 62175
BODENLUS L J	82983	BOEVA L I	101787	90597	91040		62915	72518	92394
BODENSTEIN D	94628	BOEZAARDT P	35515	BOHL M	15660	BOLDRINI C	58374	BOMMELGE C	69815
BODENSTEIN I	63691	BOEFINGER P	45768	BOHLEN J M	8053	BOLDT C E	80966	BOMMELJE C	39143 49158
BODENSTEIN O F	14003	BOEFINGER P O	51045	BOHLER E	87602	BOLDUC A	25134	59681	101277
33152 73066	83240		57307	BOHLIN B	3728	BOLDUC C	2665	BOMMER S	67396 109203
BODENWEISER L E	30861	BOGAARD G M	95377	BOHLING H	39074	BOLDYREV A I	70270	BONADONA P	23587 83821
BODI I	90284		95378	BOHLMANN F	28291	BOLDYREV M I	73251	BONADONNA T	13186
BODI T	59506	BOGACEV A V	73559		78916	BOLDYREV N K	68702	21974	30750 31075
BODIG J	3016 71594	BOGACHEV A	33690	BOHM A	95854		90849	31152	36441 41191
BODILIS	97042	BOGACHEV A V	53236	BOHM E	98640	BOLDYREVA M V	35170	41192	41414 41509
BODILIS G	97029	BOGACHEV V K	98816	BOHM G	106314	BOLEN E G	88969	41708	46436 51637
BODIN A P	84725	BOGACHUK G K	11460	BOHM H	83403	BOLENSKAYA L I	9958	56243	72029 86082
BODIN N O	81980	BOGAERDS N	87161	BOHM H	94358	BOLES J N	6908	97693	97694 97695
BODINGBAUER J	82363	BOGAERT G VAN	38818	BOHM H O	62390	BOLISTA W	28616	97696	103178 103422
BODINI F	74748	BOGAROI I	40158	BOHM O	83061	BOLLEY L E	51938	107124	108235
		BOGARDI R K	65586	BOHM R	77948	BOLGOV A V	86664	BONADUCE A	31711
BODLAENDER K B A	58516	BOGART R	12963	22589	30713	BOLIE V W	3251	BONALS K J	54695
	68701	17307 22270	62405	BOHM R G	84593	BOLIN D W	72586	BONAR C J	72439
BOOMAN M C	8827	82012 82036	82134	BOHM V R	12870	BOLIN F M	52574	BONAR L	27089
BOOMAN W VON	86957	82791 82792	82840	BOHME G	81722		52575	BONAREK S	40159
BOONAR M	76390	BOGASHOVA L G	80360	BOHME J	75366		52590	BONASCH H	41745
BOONARU I	62331	BOGACHEV M	14167	BOHME P	30683	BOLIN H R	55005	BONATO C	7091 44988
BOONYA M D	2068	BOGDAN A V	10429	BOHME W	75230	BOLIN R L	77999	BONATTI F	108369
BODON L	104855	32743 37828	38819	BOHMONT B L	20284	BOLIN T	51960	BONCH E I	17932
BODOT P	64282		89354	BOHMONT D W	17475	BOLIN W	67467	BONCHEV N	51823
BODROGKOZY GY	9303	BOGDAN T	32925	BOHN F K	3791	BOLINGER E M	20225	BONCIARELLI F	28445
BODROSSY L	65980	BOGDANOV D A	49157	41744	51822	HOLIO-ALFARO E	40544	91041	100120
BODROVA E M	70881	BOGDANOV G A	82072	BOHN G	39912	ROLIVAR Y	73560	BONCICAT I	31669
BODWELL C E	25839	BOGDANOV I M	45769	BOHN G W	1958	BOLKE M	53625	BONCIU O	39770
BODY D R	72799	BOGDANOV M	7346	BOHN H J	45312	BOLKHOVITINA N A	8556	BOND A B	9684
BUDYU I I	7746	BOGDANOV O P	14353	BOHN K	15137	BOLLA G	11915	BOND B E	86553
BOE A A	921	BOGDANOV P I	69043	BOHN R	64321	BOLLAERTS D	83136	BOND E J	6956
BOE K N	61298	BOGDANOV P L	60860	74231	98491	BOLLE A W	50500	BOND G	37977
BOECK G	85511		81096	BOHN S	65880	BOLLE F	27472	BOND G E	35860
BOECK J DE	66474	BOGDANOV S M	101182	BOHN T	17327	BOLLE-JONES E W	27836	BOND H	41415
BOECK J F DE	34415	BOGDANOV V	56563	BOHN R	74231		101911	BOND J	54567 72307
	74680	BOGDANOV V M	24808	BOHN R	64634	BOLLEN W B	60210	BOND J J	28446 91303
BOECK M J F DE	96337	BOGDANOVA E	44347	BOHN S	65880	BOLLEVRACHER K	18821	BOND R D	49605 171636
BOECKH J	105610	BOGDANOVA E D	27835	BOHNE L	17327		29531	BOND R M	19796 69988
BOEDEKER H	78956	BOGDANOVA I P	100717	BOHNEN K	27089	BOLLER E	4837	BOND T E	5732 15249
BOEGLER F	92947	BOGDANOVA N S	48460	BOHNHARDT H	4536	BOLLER R A	7007	41325	42775 64580
BOEHNCKE F H	2462	BOGDANOVA T N	84939		83034	BOLLESTAD H	3729		84672
	59921	BOGDANOVA V P	14724	BOHVSACK R B	56532	BOLLI G	96338	BOND T E T	39144
BOEHRINGER E G	92691	BOGDANOVIC M	20517	BOHR N	37976	BOLLI C N	8557	BOND T P	92729
BOEIRA D S	23185	BOGDANOVSKY D	56010	BOHRN B B	31744	BOLLING E A	57872	BOND V P	92728
BOEKI P	2098		83589	BOHRER C W	62803	BOLLING H	53831	BONDAR V V	48399
BOEKEL N M DA C	46699	BOGDANSKI K	54289	BOHSTEDT G	3047	6955 25574	25575	BONDARENKO A D	16391
BOEKEL P	922 11172	BOGDARINA A A	93941		32431	25575 25577	34924	BONDARENKO G P	18822
BOEKER P	20373 49982	BOGEL K	22147		92278	25699 65674	65674	BONDARENKO I	31153
BOEKHOLT K	24971 87735	BOGEL K	22147	BOICHENKO E A	1299		85910	BONDARENKO I P	74270
BOEKHOLT K	88968	BOGLIOLLO A	29884	BOICIU C M	12301	BOLLMANN A	12477	3431	
BOELMAN R B	100769	BOGLIOLLO A	29884	BOIDIN J	7238	BOLLMANN E	74221	BONDARENKO K	3431
BOELTER D H	30274	BOGNANOV V	42568	BOIRON A M	96313	BOLLWANN W	4883	31153	
	79929	BOGNAR K	82975	BOIRON J N	106846	BOLLWANN W A	32432	BONDARENKO N V	83405
BOENIG A	52085	BOGNAR R	28351	BOIKA V	30862	BOLMAN J	57545	83759	
BOER E DE	97125	BOGNAR S	10337	BOIKE A H	32659	BOLOCAN A G	53988	BONDARENKO O I	93137
BOER F DE	13764 3430			BOIKINOV A	95725		53087	BONDAREVA V I	3792
BOER F DE	62070	BOGGIATTO A J	28146	BOIKO A A	12554	BOLODON N B	28617	4367 63069	72810
BOER H DE	42334		59783	BOIKO A V	28187	BOLLOI I	43618	BONDARTSEV A S	27449
BOER H W DE	85	BOGGS H	26250	BOIKO N N	87796	BOLOS A DE	59895	57492 57708	57709
86 10701	17642	BOGGS H M	75190	BOIKO V	87062	BOLOTIN M	46824	BONDARTSEVA M A	26931
	36774	BOGGS R	22537	BOIKOV V	87062		50829		27449
BOER J A DE	43031	BOGICIEVIC J	107720	BOIKOV YU I	73933	BOLOTINA F E	102620	BONDE G	86414
BOER P G DE	70696	BOGLIOLO A	29884	BOILLOT A	103177	BOLOTNIKOV I A	79874	BONDEV I	8655 98215
BOER T A DE	99737	BOGNAR K	82975	BOINVILLE C DE	18501		92607		88268
BOER W C	55110 65534	BOGNAR R	28351	BOIS C H W DE	174835	BOLOTOV A	103778	BONDI A	96280
75236 75287	85806	BOGNAR S	10337	BOISMORAND P	86203	BOLOTOV A T	17348	BONDI G	8079
85808	96865		94265	BOISSIER J R	19275		27576	BONDINE V M	105158
BOER W DEN	8906	BOGNER H	13185	BOISSON C	43311	BOLSAKOV A	79799	BONDOPADHYAYA C	7290
20224 23034	57759	74681	92617	BOISTEL J	33474	BOLSHAKOV A	36204	BONDORFF K A	11461
		BOGOMAZOV N A	72919		5586	BOLSHAKOV A F	25960		11462
BOERBOOM J H A	77997	BOGOMOLOV V S	29885	BOISVENUE R J	53128	BOLSHAKOV V A	70698	BONDORFF K A	11461
BOEREMA E B	70062	BOGOMOLOVA R I	11513	BOITEUX R	13486	BOLSHOI V A	101702	BONDORFF K A	11461
BOEREMA G H	8994		68803	BOITSCHINOFF A	48527	BOLSHOV M M	24629	BONDORFF K A	11461
47214 88685	88686	BOGORAD L	9683	BOITSON J	79551		26172	BONDORFF K A	11461
	99281	78915	78924	BOITSOVA V P	1641	BOLSHOV M M	64446 64493	BONDORFF K A	11461
BOERENBOND-BELGE	35463	BOGORODITSKAYA V	75609		97276	BOLSKOV M M	74128	BONDORFF K A	11461
BOERIU I	1458	P		BOITSON J	1641	BOLSONOV I	28761	BONDORFF K A	11461
	55571	BOGOSLOVSKY S A	50471	BOJAN M	38872	BOLSONOVSKAYA O V	1472	BONDORFF K A	11461
BOERMA A H	24309	BOGOYAVLENSKII YU	72145	BOJANIN S	6035	BOLT C D	85567	BONDORFF K A	11461
BOERMA H	86265	K		BOJANOWSKI B	2691	BOLT G H	20418	BONDORFF K A	11461
BOERNER E S	1905	BOGRE J	41884	BOJARSKI J	28444	80007	80001	BONDORFF K A	11461
10876 29017	101354			BOJUK E	55431	BOLTENHAGEN E	57417	BONDORFF K A	11461
BOERNER F	49156	BOGUCKA A	82672	BOJANSKY F	24946	BOLTENHAGEN N V	38793	BONDORFF K A	11461
BOERD J J	94187	BOGUE A G	104223	BOJOTOS Z	73250	BOLTHAUSER E	59317	BONDORFF K A	11461
	105088	BOGUE D J	35976	BOJOTOS Z	51533	BOLTINSKII V N	59699	BONDORFF K A	11461
BOERRIGTER F G	63231	BOGUELEAU G	4812	BOK I I	60755		5846	BONDORFF K A	11461
BOERSMA L	70697	BOGUMILL J P	98255	BOKA V P	74919	BOLTON A T	277	BONDORFF K A	11461
BOERSMA P	15610	BOGUS S S	17930	BOKDE S	49983	BOLTON B	26989	BONDORFF K A	11461
BOERTJE G A	90485	BOGUS V	32547	BOKE N H	604	BOLTON C	56242	BONDORFF K A	11461
	90848	BOGUSCHEWSKI H	90120	BOKEMEIER R	43617	BOLTON E C	94056	BONDORFF K A	11461
BOESCH H H	16664	BOGUSLAWSKI E VON	59107	BOKERMANN W C A	53237	BOLTON E T	11173	BONDORFF K A	11461
BOESCH M	34516		80267		94822	BOLTON F E	1473	BONDORFF K A	11461
BOESCH C E	71477	BOGUSLAWSKI F	95894	BOKHARI J	7638	BOLTON J	70493	BONDORFF K A	11461
BOESMAN G	89079	BOGUSZEWSKI W	39769	BOKOR B	67275	BOLTON J F	43860	BONDORFF K A	11461
BOESSNECK J	61716	BOGUTH W	4006	BOKORI F	13487	BOLTON J L	1572	BONDORFF K A	11461
	87918	BOHALL R W	26891	BOKURA K	13488	36571	47734	BONDORFF K A	11461
BOETTCHER E	108651	BOHAMN W R	82165	BOL M	21393	BOLTON R W	96939	BONDORFF K A	11461
BOETTCHER H O	109150	BOHANNAN S C	8078		71263	BOLTON W	22513	BONDORFF K A	11461
BOETTCHER R A	34467	BOHANNAN B	40929	BOLANOS C M	60022	BOLUS H M L	26839	BONDORFF K A	11461
BOETTGER C R	14352	BOHANNAN P	87243	BOLAR M L	101600		46825	BONDORFF K A	11461
BOETTGER R M	34006	BOHART G E	13918	BOLAY A	8995	BOLWYN B	37419	BONDORFF K A	11461
BOETZELAER G J	96040		73101		17931	BOLYAKINA YU P	9520	BONDORFF K A	11461
		BOHART R M	42855		18067	BOLYSHEV N N	11382	BONDORFF K A	11461
BOEUF S	62787	BOHOAL M	87736		106901	BOLZ W	92393	BONDORFF K A	11461
BOEV B	93861	BOHOANOWICZ T	35133	BOLCATO V	26750	BOMBACH F	68115	BONDORFF K A	11461
BOEV N D	90213			BOLD H C	26750	BOMBOSCH S	83133	BONDORFF K A	11461
BOEV S N	3132						84032	BONDORFF K A	11461



ITEM		ITEM		ITEM		ITEM		ITEM	
BONIFORTI L	75739	BOONE M A	4130	BORGEN H R	83590	BOROVSKAYA T A	78600	BOSHYAN G M	91915
	86266	BOONEN P		BORGER B M	28945	BOROVSKII V	108167	BOSI A	6169
BONIKOWSKI B	98555	BOONKIRD S A		BORGES M DE L	444	BOROVSKII V M	29595	BOSI G	83661
BONILLA G L C	40160	BOONMAN D C M	15023	BORGES P	46437		60576	BOSIAN G	57418
BONIN S G	28637	24128 33531	86702	BORGET M	70197	BOROWIEC S	39820	BOSIGER E	52271
BONING K	27279	BOONSTOPPEL M	106986	BORGHANS J G A	63459	49842	49843	BOSIO H C	66067
BONINI P	31259	BOOR-EN-SPADE	80153	BORGIOLO E	86084	BOROWSKI W	2998	BOSISIO A	24610
BONIS P	106685	BOORMAN J	64061	BORGMAN R F	13667	BOROWY J	3383	BOSKMA K	60338
BONITZ W	93407		84120		63000	BORREDOON C	41663	BOSKOVIC M	47384
BONJEAN A	7684	BOORNE M	5494	BORGMEIER T	14594	BORRERO-FERNANDEZ	29987		101912
BONLIEU A	75367	BOOS G V	20109		43052			BOSMA S	80028
BONNAFOUS R	104528	BOOSALIS M G	68116	BORGSTROM G	14595	BORRIE P	44322	BOSMAN S W	72806
BONNAIRE F	6330	BOOT J P C	95379	35386 36358	36359	BORRILL M	100031	BOSMANS A	10904
BONNAL C	29886	BOOTH A	68703		36360	BORRISS H	17323	BOSMANS P	78140
BONNAUD C	100121	BOOTH A K	73048	BORHIDI A	37547	BORRMANN K D	43649	BOSQUET J A H DE	98563
BONNE K	27090	BOOTH A N	17218	BORIKHINA M G	69210		43842	BOSS M L	9687
BONNEAU J	76024		52171	BORINEVICH V A	6536	BORROR D J	43338		89361
BONNEAU M	70429	BOOTH C	88503	BORINI P A	31076	BORROW A	78382	BOSS W	61417
BONNEMAIN J L	89356	BOOTH E	91813	BORISENKO E YA	61600	BORROWMAN B	1925	BOSSARD R	36694
BONNEMAISON L	26990	BOOTH F R	81723	BORISENKO G	101110		10570		77142
42374 52976	53465	BOOTH G A	38365	BORISENKOVA A N	92607	BORRUSO D	12363	BOSSAVY A	82798
	105159	BOOTH H	81459		103778	BORSEKI L	34792	BOSSAVY J	57761
BONNEMANN	57231	BOOTH H E	61410	BORISOGLEBSKII A	98493	BORSET O	30276	BOSSCHAART P A	69753
BONNEMANN A	11909	BOOTH I C	20518		28571	BORSETH O	60967	BOSSE K	13229
60861 67523	67550	BOOTH J A	77703	BORISOV G N	16775	BORSINI O E	50642	BOSSEL H	67523
	70900	BOOTH J E	54767	BORISOV P F	34517		36777	BOSSENMAIER I	103511
BONNEMANN J J	48680	BOOTH L G	2954		68979	BORSKY I	30378	BOSSERT W H	43198
48681	48682	BOOTH R G	62476	BORISOV V	102509	BORSODY L	24505	BOSSHARD H H	30605
BONNEN C A	44389	BOOTH R T	4060	BORISOV V I	43418	BORSTEIN J	39643	BOSSHARD U	98779
BONNEN J T	86554	BOOTH V H	6010	BORISOV YU	57492	BORSTEN H	85568	BOSSO J A	58375
BONNER	54404	16015	31636	BORISOVA A G	77308	BORSUS	15577	BOSSOU C A	52865
BONNER C E B	605	58968	58969	57547	78565	BORSZEKY L	15973	BOST J	22842
	88191	BOOTLE K R	30582	BORISOVA E M	27823	BORT E M DE	80896	BOSTICCO A	31154
BONNER D M	27704	BOOTS M R	94268	BORISOVA I V	63299	BORTELS H	11321	31791	51719
59080	78288	BOOTS V A	6588	BORISOVA L N	5237	BORTH L	21255	62727	62728
BONNER F T	21254	BOOY A H	80514	BORISOVA-ZINOVEVA	5237	BORTHAKUR D N	78247	75001	75002
BONNER J	9386	BOOY C J	25027		32229	BORTHWICK H A	18940	92279	93055
	38515	BOOYSEN P DE V	9387	BORISOVICH YU F	75826	27918 27980	48178	93058	106438
BONNER J T	606	BOPP M	923	BORISSZA F	39332		78555		52661
	78092	BOPELL M	27591	BORKA M	5381	BORTIER P	81098	BOSTOCK F	78384
BONNER W D	1300	BOR N L	17644	BORKHSENIUS N S	14099	BORTITZ S	10117	BOSTRACK J M	99835
BONNER W S	45984		57546	BORKOVEC A B	43150	19277 48529	58970	BOSTWICK D	28447
BONNET A L M	78093	BORAIHA G	88396	52694	83134	BORTOLI M DE	65119	BOSTWICK D	97810
BONNET C	106685	BORASIO D	35339	BORKOWSKA S E	23035	BORTOLOTTI E	18117	BOSUND I	75188
BONNET G	88687	BORASIO L	25578	BORKOWSKI U	29391	BORTOVITSIN A	35750	BOSWIK J	45101
BONNET J	36057	44833 47838	47945	BORKOWSKI B	56125	BORTS I L	82906	BOSWELL A B	7525
BONNET J A	47978	55234 55235	60335	BORKOWSKI I	89792		82907	BOSWELL F C	70272
	70494	BORASKY R	25136	BORKOWSKI J	57811	BORUCH M	74357	BOSWELL J G	10076
BONNET P	14354	BORATYNSKI K	49680	BORKOWSKI D	29028	BORUCKA-SLUGOCKA	62684		69178
BONNET S	98127	49681 49682	49780	39333 49844	89358	Z		BOSWELL S B	9719
BONNETTE V	46267	49953 49984	60117		90487	BORUCKA-UBYSZ L	49978	78520	78521
BONNEVILLE M A	68427	BORATYNSKI K L	95164	BORKOWSKI J J	60237		60298	BOSWELL V R	1926
BONNEVIOT B	70699	BORBAS L	101202	BORKOWSKI W	1544	BORUFF C S	104252	1927 49292	49293
BONNICKSEN L W	64587	BORBIDGE R T	47065	BORLAN Z	20620	BORUFF J D	96157	BOSZORMENYI J	103354
BONNIER C	70342	BORBOLLA Y ALCALA	57298	BORLAND R	93569	BORUSIEWICZ K	106069	BOSZORMENYI Z	18802
BONNINGER K	86958	J M R		BORLANDO L A	91742	BORUZZ J	73934	19596	47981
BONNYMAN J	24905	BORBOLLA Y ALCALA	55572	BORLAUG N E	19486	BORVENDEG S	83537	BOT J	73618
BOND G DEL	31425	J M R		BORLEA I	89506	BORWANKAR P G	60756	BOTAR A	19864
	51925	BORBOLLA-Y-ALCALA	55572	BORLEW P B	71478	BORY G	32230	BOTARD R W	92395
BONOMI A	31790	J M R		BORMANN F H	569	BORYSIEWICZ J	72472	BOTE A M	9711
62727 85266	91814	BORCESCU N	92108	BORMANN P	27838	BORYSKO E	25840	103635	16507
93055 93058	93630	BORCH P	81241	BORMUTH W D	62448	BORYSOVA V M	29574	27338 35387	86525
BONOMI E	54641	BORCHARDT G	47474		6530	BURZA A	36692		107981
BONOMI P	76662		47979	BORN J M VAN DEN	106689		90314	BOTELLA Y FUSTER	66556
BONPLAND A	98719	BORCHERS	2758	BORN J M VAN DEN	30863	BORZAKOVSKII I V	1474	E	
BONSEMBIANTE M	21976	BORCHERS K	98492	BORN K	16776	BORZHKOVSKII S E	6360	BOTELLA-Y-FUSTER	16777
31789 51851	86083	BORCHERT H	2099	BORNA Z	70495	BORZINI G	10903	F	
92618 103912	103912	BORCHERT H M	84212	91042	91043	52914 99147	99148	BOTES M J W	30864
BONSEMBIANTE M A	31293	BORCHERT K L	53910		75575		106368		103636
BONSER H J	67092	84711 106437	55522	BORNAREL P	46593	BOS B C	3432	BOTEZ M	19816
BONSMA F N	96566	BORCHERT L L	47980	BORNAS-Y-DE-URCU-LLU G	54059	BOS H	70806	BOTFIELD W C	64842
BONSMA J C	51617	BORCHMANN W	61624		36552	BOS L	18273	BOTHA A D P	60238
BONSON M D	32453		6160	BORNE B J	50769		47475	BOTHA M B	72569
BONTE E	83341	BORD A	8907	BORNE H VON DEM	65118	BOSARGE K	25195	BOTHA T B	69628
BONTEA V	8997	BORDAS S	36130	BORNEBUSCH C H	18824	BOSC M	445	BOTHE C W	90593
BONTEMPO A	90687	BORDEAU E	2324	BORNEFF J	58519	BOSCH A H VAN DEN	85187	BOTHE F	1928
BONTIE-FRIEDHEIM C	16940	BORDEIANU T	18823	BORNEMISZA E	52049	BOSCH C	58752	BOTHE W	16632
	88041	BORDERS H I	57760	BORNER H	100692	BOSCH D	53871	BOTHUN R E	38794
BONTIUS J	97809		68004	BORNERT D	51473	BOSCH H	90269	BOTI D	1206
BONTUOX J	45279	BORDES A M	79056	BORNFLETH H	82353	BOSCH J DE K	58836		9712
BONTOVITS L	86415	BORDET C	48528	BORNFOR S	20327	BOSCH K	42798	BOTIN G S	7839
BONTOYAN W R	73047	BORDET R	27452	BORNGEN S	87162	BOSCH R A	22590	BOTKIN M P	4368
BONVICINI C	5654	BORDI A	30770	BORNHOLDT R C	28291	BOSCH R VAN DEN	65530		72724
BONZER B	53942	BORDIER G	74566	BORNOWSKI H	43587	BOSCH S	22062	BOTMAN J	86675
BODCK O J	9685	BORDIER J	32228	BORNSCHEUER E	80515		91044	BOTNARIUC N	5033
	11463	BORDJOCHKI A	42054	BORNSTEIN J	91226	BOSCHER J	58213	BOTOS L	35874
BOOCCOCK D	12260		82651		4061	BOSCHETTI M A	105813	66188	66895
BOODLEY J W	1227	BORDOLOI D N	47216	BORNSTEIN S	13442 62726	BOSCHMA K	60337	BOTOSANEANU L	5678
	10702	BORECKA H	34789	72561 72568	82544	BOSCO G F DEL	18825		95133
	37978	BORECKI Z	27091	82559	93105		19278	BOTSCH E	53832
BOODT M DE	29482	27093 27094	27095	BORODICOVA N D	5238	BOSE A N	25496	BOTSCHANTZEV V	88269
BOUG W	2933	34791 37194	77503	BORODIN G M	3535	BOSE B C	58971	BOTSCHEN E	41491
BOOGAERDT J	97188	77651 88688	99282	BORODIN I A	76242	BOSE B N	14246	BOTT E	72146
BOOKER R H	443	BOREI H	23438	BORODIN N N	2463	BOSE D K	43957	BOTTA J A	82249
BOOKHOUT B R	6239	BORELLI D	37885		100739	BOSE G	95659	BOTTAZZI E	14419
BOOM B K	17643	BORELLO-CALLIPO F	101140	BORODINA T	29161	BOSE P K	106915	BOTTAZZI V	15578
	19954		16240	BORODKO S L	32693	BOSE R J	89780	65038	96567
BOON D A	39050	BORGEN B	23278	BORODOFKY T	45484	BOSE S	2990	BOTTCHER F K	73346
39149 39151	49159	BORG A	17933	BOROS A	88970		10165		94505
49160	77141	BORG J	25462	BOROS G	39587		66894	BOTTCHER H	55131
BOOMAN D C-M	43680	BORG J S	38820	BOROS I	60804	BOSE S K	93054	BOTTCHER K	39914
BOOMER H	108504	BORGAN S	45640	BOROS R	80465	BOSE S P	46345	BOTTCHER W	56632
BOOMSMA G	39438	BORGADNKA D S	749	BOROSHOV L A	33566	BOSE T K	28173	BOTTEZ A	18635
BOOMSMA H J	73345	24789 47743	89253	BOROTRA E	82409	BOSE T J K	33693		20629
BOON D A	71125	BORGARENKO L F	4131	BOROVINSKAYA L B	18824			BOTTGER G T	63530
BOON J VAN DER	30077	BORGATTI A L	105090		91624	BOSENER R	103553		63531
39913 60333	60334	BORGATTI G	22797	BOROVITZ P	102114	BOSH K	21044	BOTTGER T	103426
BOON-LONG S	79500	BORGEAUD P	34316	BOROVOI V YA	88615	BOSHOF B V D	106297	BOTTI F	26603
BOONBONGKARN C	49057	BORGEN H	109063		50440	BOSHOF W H	15354	BOTTI L	31406
	80269	BORGEN H C	31260		50441		33941	BOTTICELLI S	21977
BOONE D M	99392		82976	BOROVOK A A	96441	BOSHOF-MOSTERT L	10704	BOTTICHER W	15922
BOONE E J	56774								

	ITEM		ITEM		ITEM		ITEM		ITEM
JOTTICHER W--CONT	25432	BOURDET A	6957	BOWDEN K L	71334	BOYCE D S --CONT	44148	BRABANT W --CONT	13083
	87797	25580	38516	BOWDEN N L R	92760		85088	13084	22231
BOTTING G W	332		75368	BOWDEN R	86556	BOYCE J S	99151		92396
	32584	BOURDETTE V R	34601	BOWDEN R A	3730	BOYCE R S	29176	BRABIN T R	51189
BOTTINI E B	36148	BOURDIN P	4517	BOWDEN R S T	22324	BOYCE S G	12047	BRABSON J A	80730
BOTTINI O	2515	BOURDOIS P	25937	BOWDEN S R	23509		102631	BRACE L J	102621
	98494	BOURDOU R	17678	BOWDEN W E	16217	BOYCE W R	70064	BRACEGIRDLE R J	44345
	66189		78602	BOWDEN W M	67809	BOYCOTT J A		BRACEY H L	34518
BOTTLE R T	57268	BOUREANU C	10674			BOYD A E	62941	BRACH E J	84272
BOTTO E A	87244	BOURGELAT C	76954	BOWE K	51302	BOYD A E W	37403	BRACH J	65906
BOTTOMLEY A	8201	BOURGENOT L	11948	BOWEN A T	35978	BOYD C E	63381	BRACHA P	42376
	16572		11949	BOWEN C C	399	BOYD C L	99503		83220
BOTTOMLEY W	19258	BOURGEOIS G	22148		77143	BOYD D A	76397	BRACHET J	9389
	58972	BOURGEOIS-PICHAT	5976	BOWEN G D	20475	BOYD E N	74448		58525
	42961	J		BOWEN H D	60081	BOYD F M	4142	BRACHMAN P S	31984
BOTTRELL D	103637	BOURGET M	107265	BOWEN H H	39076	BOYD G D	35713	BRACK K	77681
BOTTS R P	7685	BOURGET S J	924	BOWEN H J M	49683	BOYD H W	74393	BRACK R E	108766
BOTTOM J C	35977		11903		60062	BOYD J C	85434	BRACKER C E	14170
	98051		90363	BOWEN J M	42166	BOYD J D	40914	BRACKETT J C	15448
BOTTIZAN M	100500	BOURGOGNE J	94823	BOWEN J W	71408		41154	BRACKLEY S R	25137
BOTY C W	106278	105931	105932	BOWEN K W	15718	BOYD J M	64839	BRACKMANN	44248
BOUCAUD J	100119		105934	BOWEN O E	98828	BOYD J N	6958	BRACONNIER M	20601
BOUCEK Z	33297	BOURILLON L	26962	BOWEN W R	99837	BOYD J P	73273	BRAD I	10163
		BOURIQUET G	18069	BOWER C A	49684	BOYD J W	2185	BRAD S C	74624
			47066	BOWER C	29985		82157	BRADBEER J W	28292
BOUCHARD	101839		83218	BOWER F A	24477	BOYD L	107173	BRADBURY C J	51961
BOUCHARD A	56775	BOURKE A T C	83219	BOWER H M	23829	BOYD L H	44394		
BOUCHAYER H	21566	BOURKE D OD	19487	BOWER J C	86802	BOYD L J	61976	BRADBURY D	85977
BOUCHER J H	62470	BOURKE K F	15822	BOWER R E	40885		71918	BRADBURY F R	52690
BOUCHER M	57181	BOURKE M F	104595	BOWER R W	2864		81967	BRADBURY J F	27096
BOUCHER R V	27484	BOURKE P J	44989	BOWER S J	91725		103717		37195
		BOURKE P M A	77075	BOWERMAN A M	104813	BOYD L L	84635	BRADBURY J H	6604
BOUCHER W B	22251	BOURKE T V	52829	BOWERS B	55196		87829		25138
	52534	BOURLIFRE F	108991	BOWERS E A	40856	BOYD M	84724	BRADEN A W H	52417
BOUCHET J	52977	BOURNE B A	47476	BOWERS J B	65620	BOYD N	17205		104633
BOUCHET R J	27839	BOURNE E J	1311	BOWERS J D	74920	BOYD ORR LORD J	33952	BRADEN L	61299
		BOURNE G	83728	BOWERS J L	90489	BOYD R S	21682	BRADEN M	96393
		BOURNE G H	51561	BOWERS N A	103023	BOYD W C	78628	BRADEN R	65469
BOUCK G B	18502	BOURNIER A	43339	BOWERS P	69775	BOYD W J R	90001	BRADER C	1729
BOUCKAERT J H	91262		106116	BOWERS W D	686	BOYD W L	2185	BRADESCU C	97686
	92501		17935	BOWERS W S	23589	BOYDE W	56380	BRADFIELD A	3536
BOUDA J	35061	BOURON H	8908	BOWERSOX D J	43306	BOYDS A E W	18328		6459
BOUDAGOVSKI V I	59543		47067	BOWERY T G	84940	BOYE P	86267	BRADFIELD E G	44268
BOUDENE C	24393	BOURQUI P	11512	BOWERY C A	63394	BOYENG A R B	45485	BRADFIELD R	897
BOUDET G	9304	BOURQUIN C	106768	BOWES J H	66205	BOYER A	76255	898	2385
BOUDOL A	41885	BOURRELLY P	88461	BOWIE A J	65905	BOYER C I	72602		101995
BOUDRAULT A	22433		88462	BOWLING J P	70824	BOYER E	52875	BRADFIELD R B	27339
BOUDREAU H B	14420	BOURRIAUD F	70238		22166	BOYER J	80008	BRADFORD E S	14857
BOUDREAU H B	42368	BOURRIAUD F	40161	32340	82909	BOYER J R	41390		15405
	53160	BOURSI N C	14854		107649	BOYER M G	8558	BRADFORD G E	25944
			23818	BOWLER E	27612		47217		61955
BOUGAULT E	9305		23820	BOWLES G K	108033	BOYER R	6603	BRADFORD G R	926
BOUGHEY A S	18420		23823	BOWLES L F	71970	BOYER W D	61106		37984
			23826	BOWLING C C	23186		81188	BRADFORD H W	68707
BOUGHTON W	84718		23827		23590	BOYER W P	93942		85569
BOUGLE B	56379	BOURZEIX M	96274		42375	BOYER Y	100122	BRADFORD M	88564
BOUGY E	68705	BOUSCHARAIN H	37981	BOWLING D J F	18827	BOYES B W	32173	BRADFORD M P	46472
BOUHARMONT J	47717	BOUSE L F	95880	BOWMAN A P	7159	BOYES J W	23639	BRADFORD-EARL-OF	80789
BOUHIER A	97761	BOUSH G M	23242	BOWMAN D E	47985	BOYES W W	25386	BRADFUTE D E	89362
BOUHIER-DE L	47982	BOUSKILL R W	16080	BOWMAN D H	79942	BOYETTE F B	43588	BRADISH C J	99571
ECLUSE R		BOUSMAN S	46268	BOWMAN G E	101464		79650	BRADLEY C	44834
BOUHIER-DE-LECLU-	6850	BOUSSER R	84975	BOWMAN G H	64635	BOYLAND E R	3251	BRADLEY D B	78386
SE R		BOUSSINGAULT J B	27458	BOWMAN J C	107595	BOYLE A M	18242	BRADLEY E	91557
BOUILLANT M L	91735	BOUSTEDT O	45982	BOWMAN M C	4630	BOYLE F P	44604	BRADLEY G A	101203
BOUILLENNE R	18826	BOUTERS R	3709	BOWMAN M J	35412	BOYLE J S	57750		67034
BOUILLENNE-WALRA-	78385		31077	BOWMAN O M	103180	BOYLE J W	11804	BRADLEY I E	94109
ND M		BOUTHILET R J	24724	BOWMAN P J	1823		38690	BRADLEY J	26724
BOUILLON R	81724		34278	BOWMAN R C	26604	BOYLE L W	88689	BRADLEY J C	5449
BOUISSET L	23543	BOUTILLIER J	87245	BOWMAN T	8998	BOYLE M	54597		84074
BOUIX G	23588	BOUTIN F	2711	BOWN G	19731	BOYLE P G	56776	BRADLEY J D	105936
BOUKNIGHT F C	54768	BOUTTEFEUX F	86555	BOWNE J G	61718	BOYLE P J	49426	BRADLEY J E L	29181
BOULAND H D	107437	BOUWELL R K	54200		63070	BOYLE R J	65253	BRADLEY J R	63397
BOULANGE M	24809	BOUVAREL P	78094	BOWNS J E	26749	BOYLE W S	89255	BRADLEY J W	62753
BOULANGER J	10398	BOUVATTIER C	80154	BOWREN K E	91192	BOYLE W W	5128	BRADLEY M V	27473
	69458	BOUVENG H O	10166	BOWRING J R	44268	BOYNE A W	3442	BRADLEY N W	91859
BOULANGER L W	52915		21641		56011		93635	BRADLEY R E	3537
BOULANGER P	4224	BOUVIER G	23942	BOWRON W A	54405	BOYNE D	87338		93188
	103846		103179	BOWSER H G	19924	BOYNE D H	27441	BRADLEY R H E	23187
BOULAY H	28851	BOUW J	91799	BOWSER H	10261		36006	BRADLEY R T	21129
	90488	BOUWER H	39644	BOWSER W C	106769	BOYNE R	63093		60935
BOULO A	1683	BOUWMAN L H	84239	BOWSTEAD J L	103427	BOYNTON C H	31182	BRADLEY S G	88526
BOULO C	47983	BOUXIN H	88972	BOX B H	30684	BOYNTON D	925		99091
BOULDIN D R	20604	BOUYCHOU J G	37640		51303	BOZA J	72514	BRADLEY W B	46473
	98203		49538	BOX C O	18407	BOZA-BARDUCCI T	19582		55250
BOULDING K E	108981	BOUYER S	20600		74232	BOZA-LOPEZ J	52564	BRADLEY W H	46700
BOULIERE F	69459		70426	BOX J	66557		82916	BRADNER N A	47987
BOULLAND H	50830	BOUYUCOS G J	29439	BOX J E	2516	BOZARTH H	1693	BRADSHAW A D	90381
BOULLARD B	105741	BOYARD K P	37982	BOX P G	31888	BOZARTH R F	18275	BRADSHAW B L	7260
BOULLE N	87	BOVE C	468	BOX T W	26749	BOZDECH J	71084	BRADSHAW H R	82312
BOULOS L	17646	BOVE J M	468		108672	BOZHENKO V P	32686	BRADSHAW J	20958
	26840		9691	BOXALL M I	27843	BOZHILOV B	104319	BRADSHAW M E	27390
BOULOS Z Y	27143		18041	BOXEM T	58524		104656		98857
BOULTER D	9688		26991	BOYACK G A	77876	BOZHINOV M	59270	BRADSHAW R D	83592
	19194		68789	BOYADZHEV S	81966	BOZHKO M F	59270	BRADSTREET E D	100430
BOUMA D	58977		99664	BOYADZHIEV T	75331	BOZHKO P E	100124	BRADT O A	49104
BOUMA J	45555	BOVEE H H	98715		92013		82673		69708
	84279	BOVEE R	19958	BOYADZHIEV T G	39821	BOZICEVICH J	37420	BRADY B L	99066
BOUMA J C	107368	BOVEN B VAN	86959		39822	BOZKURT Y	81290	BRADY C J	69179
BOUMA J L	43419	BOVEN V VAN	88120	BOYADZHIEV T G	101840	BOZO S	61988	BRADY E R	81544
BOUMANS J H	11695	BOVET J	32949		101841	BOZOVA L	1117	BRADY H A	79764
	29889	BOVEY P	63692	BOYADZHIEV T G	101788	BOZUKOVA L	75970	BRADY J	42462
BOUMANS M	39075	BOVEY R	37471		38760	BOZYK Z	85724	BRADY J J	10316
BOUMANS M M G	45885	BOVEY R W	70063	BOYADZHIEV T G	13794	BOZZINI G	106770	BRADY L R	69173
BOUNFORD L	106484		101462		104804	BOZZO L	34230	BRADY N C	45356
BOUNDS V	85912	BOVIEN P	98641	BOYAKHCHYAN A B	12964	BRAAK J P	9388	48191	78415
BOUNDY C A P	4395	BOVING P A	64297	BOYAN R H	8154	BRAARUD T	608		24611
	62323	BOVYANSKI V	30958	BOYARKIN V M	68344	BRAASCH D	72372	BRADY U E	42730
BOUNHOL J J	63800	BOVAMN I W	5758	BOYARSKI L G	71996	BRAATHE P	27453	BRADY W T	97540
BOUQUET A	19275		17647	BOYARSKII L G	81938		30359	BRACKMAN G	95605
BOUQUET Y	61954		27841	BOYAZOGLU J G	72881	BRAATHEN K	87981	BRAECKMAN H	79857
BOUR F	16273		13765	BOYCE A M	37046	BRABANDER H D	40493	BRAEKKAN O R	4062
BOUR H	67397		90489	BOYCE B R	1760		70901		13443
BOURBON M	40353		95165	BOYCE D S	18070	BRABANT W	3344	13489	13490
BOURDEAU P F	9690		95289		44147		13082		55635



BRAEND M	12788	41832	BRANDSCH H --CONT	104224	BRAUN H J --CONT	78096	BREESE S S	22150	61703	BRESLAVETS L P	9390
BRAEUD J		72473	BRANDSTATTER E	75934		89081	BREEV K A		83222	--CONT	9550
BRAEUTIGAM H H		80888	BRANDT A B	10082	BRAUN J L	41335	BREGAZZI J A		81637	BRESLER E	49733
BRAG H	15432	65375	BRANDT C S	46494	BRAUN K	31046	BREGLIA G		107438	BRESLER H	6460
BRAHA A	65039	30865	BRANDT F W	60757	BRAUN P	25433	BREGMAN P J		101371	BRESSANI R	22319
BRAGA R	78095	65825	BRANDT G H	39771		28409	BREHM B G	38518	98858	36361	43877
BRAGADIN E A		78919	BRANDT H	93057	BRAUN V	59465	BREHMER C		19788	52172	52173
19600	19614	19599	BRANDT H M	41746	BRAUN-BLANQUET I	27454	BREIAN J A		82528	86268	103621
		28618	BRANDT J	39915	BRAUN-BLANQUET J	8423	BREIDENBACH A W		4638	BRESSENSODORF E B	84842
		28743	BRANDT K	11938		77245	BREIDENSTEIN B C		7190	VON	
BRAGARU F		93576		21256	BRAUNE M O	93189	BREIDENSTEIN C P	25920	25921	BRESSLER G O	84678
BRAGAZZI G		104624	BRANDT M		BRAUNE W	18071		22017		BRESSLER R G	27546
BRAGDON G		86703	BRANDT M A	6012	BRAUNER I	32529		62398			84843
BRAGE B L		20574	BRANDT R	55237	BRAUNER J	4535	BREIDER H		58376	BRESSOU	109072
BRAGG D B		41910	BRANDT R G		BRAUNER L	104810	BREIL G		51639	BRESSOU C	3134
BRAGG D D	27539	56564	BRANDT R W		BRAUNIG P	3928	BREIMYER H F		6070	BRESTKIN YU Y	12965
57232	86704	95971	BRANDT W H	47795	BRAUNIGER H	48617		24410	27441		21684
BRAGINSKII B I		26545	BRANDTNER		BRAUNINGER H D	63734		34041	43980		21685
		66475	BRANDY K	89256	BRAUNITZER G	3976	BREINIG C B		2612	BRESZYNSKI S	73796
BRAGINSKII L		75971	BRANHAM A N	4687	BRAUNLICH R H	34591	BREIREM K	12757	30772	BRETAN I	20614
BRAGUTA G	18829	24649	BRANHAM J M	9692	BRAUNS A	23501		61625	30776	BRETAUD M	75501
		24650	BRANHOLM A	40530	BRAUNS O	27487	BREIT J		109121	BRETAUDEAU J	69687
BRAM H J E	22592	52172	BRANTON H D	31841	BRAUNS P J C	19601	BREITBART I		96769	BRETEANU E	103639
52173		76845	BRANN V H	15308	BRAUNSCHEIG J	54448	BREITENBACH C A		75478	BRETEANU M J	25388
BRAIBANTI G		23352			BRAUNSTEINER W	7497	BREITENBACH F VON		26841	BRETFELD G	14943
		94424	BRANN V H M		BRAVDO B A	58880	BREITENSTEIN K G		12789	BRETH F E	33839
BRAICU L		51266	BRANN W P	45985	BRAVENBUER L	20110	BREITENSTEIN W		79767	72318	72570
BRAIDOT S	6481	44346	BRANNAMAN B L	55075			BREITENSTEIN W		79766	91916	97699
		85435	BRANNANG E	4455			BREITFELDER G		97031		5495
BRAINE S T		29988	22045	22286	BRAVERMAN J B S	64738		97097		BRETHERTON R F	43240
BRAITHWAITE B M		14135	BRANNANG W	71997	BRAVERMAN S W	99284	BREITHAUP T K		64515	BRETHOUR J R	71998
14168	14169	23353	BRANNEN S J	45641	BRAVO ABAD F	96289	BREITSCHAFER H		84121	BRETIN F	72150
		32744	BRANNON D H	17936	BRAVO C M	47991	BREITUNG A J		88	BRETON A	17649
BRAITHWAITE C H		106568		83221	BRAVO G	105218		17648	36778	BRETON J F	66558
BRAITHWAITE D P		24350		83500	BRAVO G H	927		46827	57549	BRETON P	86629
BRAKE C M		52781	BRANNY J	30751	BRAVO H H	57548	BREITWIESER E		44978	BRETT C H	4787
BRAKE J R	7649	35466	BRANSBY-WILLIAMS	73124	BRAVO V G	63533	BREJCHA V		68708	BRETT D W	68429
66755	86628	108085	W R		BRAVO-ABAD F	85113	BREKKE J E	6851	55005	BRETT P G C	48951

ITEM	ITEM	ITEM	ITEM	ITEM
BRIEGER E M 76897	Brinton E P 53168	BROCK S M --CONT 51197	BROOK B J 94635	BROWN A M 72542
BRIEGER F C 77310	BRINZOLI M 94683 105551	81424	BROOK H T 62686	BROWN A P 37788
BRIEGER F O 39918	BRIO N 31275 31894	BROCK W E 103640 103641	BROOK P J 47994 104634	BROWN A W 25061
45313	BRIO N 74749	103758 103823 103992	104694	BROWN A W A 13920
BRIEGHEL-MULLER A 26251	BRIO LINI G 4838 94455	BROCKINGTON N R 49985	BROOKBANKS E O 22153	13921 13992 32586
35341	BRIO LLE C E 49058	BROCKMAN H E 766	92399 103642	42378 52692 63382
BRIEJEER C J 7581	BRION A 12557 31047	68710	98392	63412 64071 73050
37048 57763	32231 41834 41961	BROCKMANN H H 74921	BROOKE C L 44540	73051 73052 94005
BRIEN P 52691	46544 62790 82441	35013	BROOKE D L 7704 44540	BROWN B 70366 101278
BRIENS M 100578	60341 104099	3256	44634 65568	BROWN B A 19634 48906
BRIERLEY A 73049	BRIONES A Q 60341	BROCKMEYER K E 64736	BROOKE M M 108673	BROWN B B 59546
BRIERLEY P 446 10737	BRIONES F B 22515	BROCKSOPP J E 104938	BROOKER D B 58955	BROWN B E 84186
27280 37421 37460	52204 52303 62685	BROCKSOPP R E 107439	BROOKER M G 93643	BROWN B I 39612
69831	62720 62730	BROCKWAY C E 107440	BROOKER M I H 62664	BROWN B L 50402 95700
BRIESKORN C H 6737	BRIONES M L 83760	4369	BROOKES A J 103643	BROWN B M 57191
35000 78921 78922	BRIONES P R 34858	2196	BROOKES V J 94626	BROWN B R 61512 61513
BRIGGER A L 98747	BRISBANE H M 76871	48837	105693	69181
BRIGGLE L W 10317	BRISBANE W P 22151	51394	BROOKFIELD M 11696	BROWN B W 14961
47371 48683 59149	BRISCHLE H 61305	62178	BROOKINS W W 61679	BROWN C 50959
90002	BRISCOE D A 14297	56673	BROOKMAN D N 49440	BROWN C B 29648 39870
BRIGGS B G 112 18504	BRISKEY E J 4593	930	61319	46086 70463
78249	7160 13862 25844	98518	BROOKS A V 37231	99037
BRIGGS C W 70969	25880 35001 52665	74429	BROOKS A V 57288	BROWN C E 11954 50519
BRIGGS D E 44835	55448 55522 86129	21509	BROOKS C C 82910	BROWN C H 13637 22301
BRIGGS D R 7322 41671	87911	13807	BROOKS D L 106035	31078 41417 45055
BRIGGS G J 16368 45261	BRISON F R 101243	13808	BROOKS D W 75072	45824 51975 52512
BRIGGS H 42126	BRISOU J 540	7138	BROOKS F A 9306 68711	81945 103431 103645
BRIGGS H M 81917 86960	BRISSEY G E 54178	7703	BROOKS F T 41788	BROWN C L 99838 102622
87397	BRISSEY G E 98855	35979	BROOKS G D 94061	BROWN C M 72002 77894
BRIGGS J D 32585 42377	BRISSEY G E 98855	42465	BROOKS J D 45110	BROWN C R 39869
BRIGGS J R 61963	BRISSEY G E 98855	BRODEUR J 12599	BROOKS J E 94686	BROWN C W 25686 27188
BRIGGS L H 58958	BRISTAL F 92681	BRODEY R S 3793	BROOKS J R 72726	48634 59150 69379
BRIGGS L J 66190	BRISTER L R 96365	22328 41747 62529	BROOKS L 26995 50995	BROWN D 45937 66873
BRIGGS M H 51720 61720	BRISTOW G M 86388	77653	BROOKS L A 53672	76452 84844
62071 71999	86389	72124		BROWN D A 29889 41419
81638 103527	BRISTOWE W S 94684	47765	BROOKS L J 3794	58527
BRIGGS M J 45486 45507	BRISTULF P O 71177	88066	BROOKS M A 42856	BROWN D C 81946
86961	BRITO F V 101906	50598	BROOKS M H 47743	BROWN D E 41797 59819
28572	BRITO-BASAPULLE L 21859	42466	BROOKS O L 3435	BROWN D F 24363 78251
BRIGGS R E 78250	A P 83365	98547	60528 91047 4884	BROWN D G 91919
BRIGGS R W 98128 98129	BRITSKII YA V 40316	20817	BROOKS P F 4884	BROWN D H 61403 85290
BRIGGS V 91022	BRITT C S 929 91719	1303		BROWN D H W 72452
BRIGGS W R 1059 78388	BRITT K W 61434 53833	86735	BROOKS R A 81729	BROWN D L 82358
BRIGHT J 30430	BRITT W 3135	37196	BROOKS R F 4839	BROWN D M 55766
BRIGHT R E 91815	BRITTAIN R P 9391	97032	23319 23340 42659	BROWN D N 24614
BRIGHTENBECK G E 104114	BRITTEN E J 58215	2258	42706 43656	BROWN D W 87399
BRIGHTMORE D 68345	13344 28244 59318	38622	64524	BROWN E 19959 65137
BRIGHTWELL C N 71433	BRITTINGHAM W H 20113	61108	25703	BROWN E C 16489
BRIGHTWELL W T 18831	25289	81099	80516	BROWN E G 66330
BRILES C O 31889	66982	69377	38961	BROWN E H 13304 87621
BRILES W E 31889 93190	76017 108237	75370	18833 78888	30051 90731
BRILHO C C 7239 16275	83822	64658	26932	80740 96124
BRILL G 46438 64865	105612	42907	482 107213	BROWN E J 67211
84959	22391	53172	6053	BROWN E S 95331
BRILL J 91917	22431	77451	39422	BROWN F 12561
BRILL J E 48806	4929	58377	72797	BROWN F G 14034
BRILLANTE A 15925	BRITTON M L 18075	47993	20328	BROWN F L 61356
BRILLOT J 82273	BRITTON M P 47219	64448	79919	BROWN F M 4623 5496
BRILMAYER B 90384	27363 47219	20413	30240	33364 33365 73033
BRIM A 35272 103332	52174	50994	31890	BROWN F S 55597
BRIM C A 10520 38874	BRITZMAN D G 39028	73183	44541	BROWN G B 21282
	BRIZARD A 83594	45143	106689 106690	BROWN G D 3795 96196
BRIMACOMBE J S 14293	ARIZICKY G K 8672	97213	102967	BROWN G E 51937
BRIMBLECOMBE A R 14259	8751 57550 58216	38715	55920	BROWN G F 34520 108386
14322	BRNAK O 50098	69617	39197	BROWN G H 17325
BRINCK P 14944 53554	BRNCIC D 53307	38924 38925	102115	BROWN G N 104719
BRINCKLOW P 16519	BRNEK L K 43053	73281 73289	34042	BROWN G H 18834 78391
BRINCKMAN W 74682	BROAD J 85267	94060	36150	BROWN G S 91539
BRINCKMANN A 7918	BROADBENT F E 80009	6105	34691	BROWN G W 38562
BRINDLE A 5239 23640	101704	66076	95007	BROWN H C 78392
73619 83919 105701	48914	49685	59545	BROWN H D 18955 58974
BRINDLEY W A 42464	BROADBENT J A 7240	49740	90551	68713
BRINER G P 69180 101703	BROADBENT J H 104563	98085	38962	42749
BRING S V 57129 108952	BROADBENT J S 447	27497	3675	BROWN H L 22250
BRINGHURST R S 11635	BROADBENT L 18279	16779	72001	BROWN H M 28458
59611	9200 18278 58064	35205	33947	BROWN H P 41351
BRINGMAN M 19602	BROADBENT P J 19603	767	37197	BROWN I 34922
BRINHART B 20112 20567	63039 93638	44863	38924 38925	BROWN I L 37297
29029	50697	65687	4380	BROWN J 49845
BRINK D L 61492	BROADFOOT W M 102569	50832	30564	BROWN J A 5900 51054
BRINK N 39868 40162	BROADHEAD D A 6834	37987	174219	61360
BRINK N G 53306	BROADHEAD D M 1651	58628	31742	BROWN J B 53627
BRINK R A 78251	48953 48956 66191	39687	60577	BROWN J C 18835 38071
BRINK R C B VAN 57507	101914 92109	49686	57765	BROWN J E 4025
DEN	24972	12181	81374	BROWN J F 37198
BRINK V 28891 101242	BROADHURST P L 40164	96123	13655	BROWN J H 3017 61024
BRINK V C 99739	BROADHURST S 102164	70970	85933	102520
BRINK VAN DEN 21944	9000	51825	43312	BROWN J J 44442 96752
BRINKERHOFF L A 37395	BROADWELL C E 11467	18832	86123	BROWN J K 62634
68245	86503	37641	36572	BROWN J M 96712
BRINKLEY H J 4537	34361	12967	84748	BROWN J M B 58139
13608 42276 52578	BROADWIN A 76846	67212	47508	BROWN J M M 63071 63072
BRINKLEY H L 56021	BROBECKER C 72000 72151	74233	78389	6381
BRINKLEY P C 77504	36637	11879	70701	BROWN J P 17650 44324
108983	70335	76537	42570	60118 88276 88277
BRINKMAN D C 81728	BROCHAS J 46866	95167	42571	BROWN J R C 98547
BRINKMAN K A 40393	BROCHANT M 22516	67093	68712	BROWN J S 38519 48530
BRINKMAN L W 65788	BROCHARD J P DE 82159	10215	87304	BROWN J W 6361 65035
BRINKMAN S 103702	BROCHE G 7241	26365	33363	BROWN J W H 75888
BRINKMANN R 105937	BROCHE M G 55574	13365	53466	BROWN K I 4022 4023
BRINKMANN W 43561	BROCHERO-BAQUERO 75369	72051	53466	62679 82527 82675
BRINKS J S 12805 71911	BRUCHMANN HANSEN 59024	93207	91	BROWN K S 78923
81941 81952 81996	E 59024	57419	36779	BROWN L 55136 72920
81997 82007 82012	BRUCHMANN-HANSEN 59024	53626	87357	104768
82021 82036 82134	E 59024	66956	57883	BROWN L C 49307
82158 103429	BRUCK A M 83406	73744	35222	BROWN L D 31354 103528
BRINSER A 55463	BROCK D W 6424	87398	25140	BROWN L G 108251
BRINSFIELD T H 22817 62244 72199	BROCK F 53171	21048	99826	BROWN L H 76416 76417
72837	BROCK J F 8312	42963	78637	BROWN L N 2088 20959
BRINSTER R L 82485	BROCK R D 10920	109073	84978	62602
BRINTON D P 94763	BROCK S M 21529 30583	104687	66329	BROWN L R 8205 32874
		88121	80271	33954 54070 54344
			95972 99287	BROWN M A 41493 67468



	ITEM		ITEM		ITEM		ITEM		ITEM	
BROWN M E	80093	BRUCE R R	106278	BRUNER W H	25922	BRYANT M P	3107	62240	BUCHHOLTZ K P	58870
BROWN M F	99288	BRUCE R S	54612	BRUNERT E	92400			103303	--CONT	
BROWN M H	20059	BRUCE R W	91652	BRUNERYE L	17651	BRYANT R		97152	BUCHHOLZ	73955
BROWN M S	37829	BRUCE T D	107127	BRUNESTAM N	4026	BRYANT R L	62845	72586	BUCHHOLZ E	21377
BROWN M V	94177	BRUCE W E	51128	BRUNETTI A	64322			104279	BUCHHOLZ G	42787
BROWN N A	42186	BRUCE W G	73125	BRUNETTI G	66983	BRYANT W G	67651	98666	BUCHHOLZ G A	27565
BROWN N C	73049	BRUCE W N	63479	BRUNFAUT M	99872	BRYANT W R		56415	BUCHHOLZ H	11698
BROWN N J	2470	BRUCE-CHWATT L J	27455	BRUNG E F	91617	BRYANTSEV B A		77507	BUCHHOLZ I	71437
BROWN N M	2692		94062	BRUNI B	73935	BRYAZGUNOV A V		33643	BUCHHOLZ J	71437
BROWN O D R	98735	BRUCE-WAGG J W	50833	BRUNI O	68117	BRUCE D J	24352	25582	BUCHHOLZ J J	86033
BROWN P B	51722	BRUCH E C	28495	BRUNICHE-OLSEN H	97448	BRYCE J R G		61435	BUCHHOLZ K	53628
BROWN P J	15513	BRUCH H A	8080	BRUNIES A	62371			61436	BUCHHOLZ K F	95606
BROWN P L	39646	BRUCHER H	46828	BRUNIN R	44210	BRIDEN J D		59487	BUCHI G	24876
			77311	BRUNING D	91049	BRIDEN M M		62349	BUCHI W	15514
BROWN R	10142	BRUCHHOLZ H	29476	BRUNING E	49914	BRIDON J E	11174	20521	BUCHINGER M	39155
	58217	BRUCHMANN E E	64867	BRUNINK H	54990	BRIDON P H		49162	BUCHINSKII I E	109226
BROWN R A	67277	BRUCK I	16506	BRUNK H D	6821	BRIGOOD E R		23121	BUCHLER D	70811
BROWN R D		BRUCK K	86206	BRUNK M	7183	BRKYCZYNSKI J		69634	BUCHLI M	10521
BROWN R E	1305	BRUCKBAUER H	18280	BRUNK M E	66294	BRKYCZYNSKI M		25583	BUCHLMANN E	22411
			27281	BRUNK S	15024			107441	BUCHMAN D T	103530
BROWN R H	13640	BRUCKER W	9175	BRUNN H	21945	BRYLES M		10522	BUCHMAN R G	21239
	50333	BRUCKLE F	103181	BRUNN W VON	8424	BRYNE E		8425	BUCHMANN E	37989
BROWN R L	56058	BRUCKMANN G	51372	BRUNNACKER K	39823	BRYNER C C		16975	BUCHMEIER A	15240
BROWN K M	26750	BRUCKNER J H	52304	BRUNNER A	32014	BRYNER C S		45295	BUCHMEISER R	71696
BROWN R R	12970	BRUCKNER K	57306	BRUNNER E DES	76561	BRYNER J H	103446	103647	BUCHMILLER M K	45112
BROWN R S	25213	BRUCKNER P	70067	BRUNNER F	91227	BRYNER W	38964	38990		75004
BROWN R T	105564		81640	BRUNNER H	72801			101244	BUCHNER A	60065
BROWN R V	46079	BRUCKS R	13754	BRUNNER H S	46123	BRYNES A	8203	35599	BUCHNEV K	63073
BROWN S	78382	BRUDER J	33532	BRUNNER J R	6372	BRYNHILDSEN H O		12360	BUCHNEV K N	13668
BROWN S A	38520	BRUDZYNSKI A	61626	BRUNNER M A	72803	BRYNHILDSEN O		12336	BUCHNOLZ H E	8204
BROWN S C S			65675	BRUNNER R	59067	BRYNTEGSON C R		26456	BUCHOWICZ J	78925
		BRUECK D A	66885	BRUNO A	27438		35464	45487	BUCHVAROV D	50223
BROWN S E	86337	BRUECK F	66898	BRUNO D	64449			97605	BUCHVAROV S	39919
BROWN S M	54492	BRUEHL G W	37835	BRUNO F	8557	BRYRUP J		18452	BUCHWALD K	45982
BROWN S O	93686	BRUEL W E VAN DEN	77498	BRUNOLI A	64539	BRYS L	33892	33893	BUCHWALD W	3318
BROWN S W	5382		83136	83223	103646			64323		55484
		BRUENIG S VON	94985	BRUNORI A	37628	BRYSON C P	28573	49467	BUCHWALDER R	83104
BROWN T E	38452	BRUEVICH I S	37175	BRUNORI M	55674	BRYSSEIN P		768		12971
46440	46441	BRUGEMANN H	13767	BRUNORI P G	26963	BRYUSHININ I G		82911		61722
		BRUGGEMANN J	6537	BRUNS K	103182	BRYUSHKOVA F		18386	BUCLONAS K	28786
BROWN T R			12791	31263	31264	BRZAC T		85518	BUCK	89365
BROWN V L	12883		41280	52175	55483	BRZESKI E	92870	92931	BUCK F D	105613
				61709		BRZESKI M	47570	58115	BUCK G J	69817
BROWN V W		BRUGGER H	17092	BRUNSDON R V	2061		77949	99674	BUCK J	5131
BROWN W	87919	BRUGH M	30869	104814	90599	BRZESOWSKY W J		29596	BUCK J B	105674
BROWN W A		BRUGIRARD A	96259	BRUNSON C G	42167	BRZESKII V V		72374	BUCK J T	55704
BROWN W B	14228		96260	BRUNSON M H	4840	BRZOSKA M	67213	76153	BUCK P	68346
BROWN W F		BRUGNOLI A	98716	BRUNSWICK R	32813			87622	BUCK R C	46346
BROWN W G	12866	BRUGOVITZKY E	28120		54828	BRZOZA A	45407	45887	BUCK R K	56021
		BRUGUERAS V	93192	BRUNT A A	18281	BRZOZECKA H		50105	BUCK R W	17328
BROWN W H	66963	BRUHAHN	17326	17327	88566	BRZOZOWSKI A		31155	BUCK W B	4749
	87164	BRUHL H G	12969	BRUNTON R B	99244			69507	BUCK W Q	9291
BROWN W K		BRUIJGOMS C J	20784	BRUPBACHER R H	29769	RUBAR J S		69508	BUCKALEW M R	8909
BROWN W L	5031		70502		70309	RUBASH G R	22938	52593		45888
33300	73745	BRUIJN P J	101668	BRUS D H J	3539		72969	83004	BUCKARDT H L	7747
BROWN W N		BRUIJNS M F M	67685	BRUSA A	45647	BUBIEN Z	13230	31298	BUCKBY C G	74821
BROWN W O	22081	BRUIN H J DE	245	BRUSCA J A	101139		32156	51478	BUCKELL E R	98630
41494	41519		11007	49413	97969	BRUSCIA L		9002	BUCKETT J S	95382
	61664	BRUIN H P DE	67113	BRUSE C M	265	BUBLATH A G		63151		95383
BROWN W T		BRUIN J DE	17029	BRUSETH J	98649	BUBLEA V		71616	BUCKINGHAM W	54589
BROWN W W		BRUIN J J M DE	72957	BRUSEWITZ G	39688	BUBLLOT G	66560	75503	BUCKLE R	69818
BROWNE D A	44974	BRUIN P	11468	BRUSH G S	98802		107260	107270	BUCKLE W	14725
BROWNE E B	78268	BRUIN T DE	57884	BRUSHWAY M J	7355	BUBNA R K		76114	BUCKLER P	92620
BROWNE E T	8773	BRUINI C	19861	BRUSILOVSKII L	24754	BUBNOV V D	31064	104320	BUCKLEY E H	100642
BROWNE F G	5129	BRUINS H W	4237	BRUSSE J C	46533	BUCELLI A		75757	BUCKLEY E P	72804
BROWNE F L		BRUINSMA J	931	BRUSVEN M A	73872	BUCCIANT I M		21258	BUCKLEY R	35110
BROWNE J S	3796		59787	BRUTEY C V	64369	BUCCIARELLI I		94828	BUCKLEY R O	92633
BROWNE L B	83920	BRULARD T	35526	BRUTHANS J	108505			94829	BUCKLIN J A	51398
BROWNE R A	90385	BRUM E W	12792	BRUTS E C	4842	BUCH N C		92402	BUCKMAN M	64449
BROWNE T	48102	BRUM F	76958	BRUTSAERT W	79931	BUCHAKLIEV S		35753		84660
BRWNELL H C	29017	BRUMARESCU A	51265	BRUTSCH J	39029		35880	56587	BUCKMAN R E	99740
BROWNELL R	98256	BRUMBAUGH J A	13426	BRUTT E	26992	BUCHAN EARL		49163	BUCKMANN D	105939
BROWNING B L	71364	BRUMBY P J	3346	BRUUN A	36504	BUCHAN W D		40393	BUCKMANN H	87370
71548	71549	BRUMEASUX J	108674	BRUUN J H	43967	BUCHANAN A G		23280	BUCKNALL R A	27665
BROWNING B M		BRUMFIELD H P	41266	BRUUN M E	19961			63606	BUCKNER A J	32709
BROWNING C B		BRUMLEVE S J	104334	BRUUN M	59682	BUCHANAN E J		55837	BUCKNER E	81100
	100988	BRUMMER V	1652	BRUUN J J	106343			75827	BUCKNER R C	9551
BROWNING E	105552	BRUMMERSTEDT-HANSEN E	52579	BRUYER P	21822	BUCHANAN G G		48806		48863
BROWNING G M	46087	BRUMMITT R K	88278	BRUYERE R	70068	BUCHANAN H M		108087	BUCKO A	86237
BROWNING J A	48685	BRUMMITT W C	60314	BRUYGOMS C	38963	BUCHANAN J G		51230	BUCKPITT W A	52389
	100032	BRUMMUND M	1575	BRUYN J	26252	BUCHANAN J S		92619	BUCKUP L	105814
BROWNING L S	5240	BRUMMUND V P	932	BRUYNOGHE D	13567	BUCHANAN J W		72376	BUCLON F	57161
BROWNING W	66329		49108	BRUYSTENS J M	87166	BUCHANAN L K		56777	BUCOVEANU T	19902
BROWNLEE A	94107	BRUMSTED H B	45864	BRUZIENICZ A	71451	BUCHANAN M		7242	BUCUR E	9176
BROWNLEE C H	91325		97925	BRUZZESI M R	55674	BUCHANAN M A		71550	BUCUR N	68714
BROWNLEE I A	50403	BRUN J	99290	BRY A	49295	BUCHANAN M L		62084		70239
BROWNLEE L E	86130	BRUN P	27289	BRYAGOV S	94102			82048	BUZAK E	90490
BROWNLEE W M	62431	BRUN S	6282	BRYAN B B	29889	BUCHANAN W		64357	BUZCEK J	91922
BROWNLOW J	49075	BRUN-HOOL J	37548	BRYAN D S	17938	BUCHANAN W C		74384	BUZOLICS O	84261
BROWNLOW M F	90753		88974		26993	BUCHANON K W		100770	BUZYSKI R	7225
BROWNLOW W J	51477	BRUNCK F	73302	BRYAN E L	21441	BUCHER K		3026		34969
		BRUNDAGE A L	22046	BRYAN G T	12970	BUCHER L	49973	60116	BUDA S	97143
BROWSE A G A M	19960		79265	BRYAN G W	9422	BUCHLE W F		43627		64403
BROXHOLM R A	24528	BRUNDELL E	70464	BRYAN J K	1306			53739	BUDEAGYAN E G	59439
BRUYDE S B	1303	BRUNDEN M N	30719		98861	BUCHLER G		59322		492
		BRUNDZA K	37549	BRYAN L W	2723	BUCHELI R		492	BUDAGYAN E G	9232
BRUYER T C	37954		47220	BRYAN O C	1738	BUCHENAU G W		79113	BUDAN G	11633
BROZ M	62483	BRUNOZIENE K	28947		20602	BUCHENAU H		8319	BUDASZEWSKI J	91411
BROZAN I N	64636	BRUNE G	70702	BRYAN P P						

ITEM	ITEM	ITEM	ITEM	ITEM
BUDEL A 27456	BUKOVAC M J 38489	BUNSCHOTEN G E 89786	BURGER H 50698	BURKILL I H 8559
BUDELL B 89082	47995 49076 58528	BUNT A C 18839 20075	50771 50835 53967	BURLEY S T 17498
BUERACKA-NIECHW- 99292	58932 59490 68716	BUNT J S 538 539	50968 50969 50970	BURKINA Z S 77234
IEJCZYK M 5656	69736 78097 85787	BUNTING A H 49411	80687 82635	BURKITT W H 41495
BUDGE A G 61057	100127	BUNTING B T 78400 108985	BURGER H C 7582	51724
BUDIMIR P 35134	BUKOWSKI K 91923	76959	BURGER O E 31902	BURKMAN A M 23664
BUDINSKI E 102429	BUKOWSKI T 69952	87920	BURGER R E 62702	BURKOWICZ A 27098
BUDISCHEV A F 102429	BUKOWSKI W 72727	8673		68118
BUDISCHCHEV A F 102429	BUKREEVA E V 28403	46829		95291
BUDKE J 75191	BUKS I I 78001	60239	BURGES A 2187	BURKS R D 33301
BUDKO A I 64373	BULA R J 78398	80155		97541
BUDLOVSKY J 87737	BULAEV V E 60342	100484	BURGES D H 42731	BURKMAN M K 43903
BUDNAYA M V 103780	BULAEVA L M 18836	29678	BURGES H D 6961	BURKWOOD A 39312
BUDNIAK F 12308 30584	BULAKH V L 80517	29679	33080 63672	BURLA H 53308
BUDUI G 2021 2328	BULANEK D 63786	80272	BURGES N A 69183	BURLACU D 91786
	BULANOVA-ZACHVAT- 42908	71302	BURGESS A C 100923	BURLACU G 41962
BUDOI I 2021 2465	KINA E M 42908	80156	BURGESS B 73936	BURLAKOV M M 1545
BUDOWSKI G 18433 46655	BULARD C 30361 47996	31611	BURGESS C 10707 15458	BURLE M 29392
	70343	49539	BURGESS D L 20520	BURLESON C A 1564
BUDOWSKI P 13464 62778	BULAT H 37991 47997	75674	BURGESS E D 13983	37993 60344 70431
65974 93059	BULAT N 102220	90966	BURGESS E E 8205	79247
BUDRIUNAS A 37550	BULATAO-JAYME J 67398	90965	BURGESS G R 49987	BURLEY J 71226 103058
BUDTZ-OLSEN O E 42212	BULATOV YA P 95896	70455	BURGESS I G 55838	BURLEY S T 44440 75118
BUDRYAN N N 78395	BULATOVA N N 13669	80790	BURGESS R 25968	BURLINGAME A L 84651
	78926	20244	BURGESS R W 4688	BURLINGAME B B 76246
BUDYANSKAYA L 97370	BULATOVA T I 84779	60343	BURGESS S W 41840	BURLINGHAM D 102301
BUDYKA S KH 71178	BULATOVIC S 14298	42964	BURGESS T D 103353	BURLINGHAM S K 80093
BUDZIER H H 12478	BULDER C J E A 100033	82912		BURMAN B K 1411
	BULDINI F 73993 74196	40165	BURGGRAAF P D 99922	BURMAN G 56781 67116
BUDZIKIEWICZ H 103087	84274 84383	83030	BURGH J VAN DER 98717	BURMAN M E 96770 107379
BUDZINSKI A 74234	BULENA V 65204	64700	BURGHARDT P 85658	BURMAN R D 20818 100129
BUDZKO I A 24129 33932	BULGARELLI R 87738	68347	BURGHARDT P 9203	BURMAN F 84778
	BULGINI M J D 62486	107789	BURGHARDT R 29162	BURMEISTER B R 22656
	63076	107810	BURGHARDT R 29162	BURMEISTER P 88925
BUDZYNSKA J 65975	BULL J 68166	16136	BURGI P 13187 92621	BURMESTER A 12438
BUDZYNSKI A 85905	BULL A T 69189	95123	BURGISSER H 31540	BURMESTER B R 62817
BUDZYNSKI J 31666	BULL D L 13922 32760	10431	BURKART M 3677 13185	82597
BUEB D 108373	42573 73602 104971	531	BURKART M 45056 62023	35223
BUELL J R 3940	BULL L H 65377	95308	62023 62179	BURMISTROV P F 18841
BUELL M F 88328 98495	BULL M R 7448 26253	103893	92239	BURMISTROVA M F 18841
BUELOW F H 48428 54024	35600 86804	89367		BURNASHEVA M A 38828
	55312	3586	BURGLER P 31156 51395	BURNATOWSKI J 3384
BUENO GOMEZ M 67212	BULL R A 934	3560	BURGLER P 31156 51395	BURNELL D A 72794
BUENO R C 22594 72691	BULL T A 28295 47998	81728	BURGMANS H 27457	BURNELL R H 100579
BUENO V C 51015	BULL W I 30431 61183	6054	BURGMANS H 27457	BURNET B 23694 33140
BUESCHER E L 41833	BULL W S 12562	75811	BURGMANS H 27457	33141 53309
BUESS P 64516	BULLA A D 4863	80730	BURGOS C F 3622 52343	BURNETT A L 73689
BUETTNER J P 107873	BULLARD E T 1098	12758	BURGOS J 3622 52343	BURNETT B J 85887
BUFFA G 48686 59151	BULLARD J F 22428	581	BURGOYNE D L 104378	BURNETT D 69184
BUFFET M 69458	82977	8081	BURGOYNE J H 15459	BURNETT D R 46086
HUFFINGTON E N 67585	BURCHAM L T 58529	88678	BURGOYNE W E 106367	BURNETT E 28222 29650
RUFFONI F 61723	BURCHARD W W 8081	98242	BURGSTALLER E 95843	BURNETT G I S 11701
BUFFUM F 61723	BURCHFIELD H P 88678	8047	BURGSTALLER E 95843	11702 70703 80518
BUFORUD W T 73197	BURCHINAL L 98242	87604	BURGSTALLER E 95843	80519 80520 84742
BUFTON L P 15226	BURCHINAL L G 8047	59323	BURGTORF C E 2865	84743 106170
BUFTON V E 55705	36015 87358	91817	BURGTORF C E 2865	BURNETT G S 104769
HUGAI N 91393	BURCHIZYK H 59323	27282	BURGUET J A 26010	BURNETT J 24807
BUGALA W 28948 39156	BURCKHARDT 91817	78402	BURGUET J A 26010	BURNETT T 105556
	BURCKHARDT F 27282	47163	BURGUET J A 26010	BURNHAM L G 3957
BUGARCHEVA V 40568	BURCKHARDT H 47163	86085	BURGUET J A 26010	103887
BUGARIO P 61957	BURCKHARDT I 86085	23986	BURGUET J A 26010	BURNS A J 34726
BUGREE W M 18076	BURCKHARDT L 86085	23986	BURGUET J A 26010	BURNS C 8202
BUGDOL G 3436 103531	BURCKHARDT L 86085	23986	BURGUET J A 26010	BURNS D J 15890 16065
BUGERA B I 28739	BURCKHARDT L 86085	23986	BURGUET J A 26010	BURNS D M 50726
BUGGE E 42800	BURCKHARDT L 86085	23986	BURGUET J A 26010	BURNS D P 33302
HUGGE S 50599	BURCKHARDT L 86085	23986	BURGUET J A 26010	BURNS E C 7170 13923
HUGLASS E 37990	BURCKHARDT L 86085	23986	BURGUET J A 26010	14078 83242
HUGNON F 89083 89084	BURCKHARDT L 86085	23986	BURGUET J A 26010	BURNS G 62649
BUGYAKI L 54201	BURCKHARDT L 86085	23986	BURGUET J A 26010	BURNS G R 2329 20604
BUHAL S M 79267	BURCKHARDT L 86085	23986	BURGUET J A 26010	101637
BUHL C 32746 42572	BURCKHARDT L 86085	23986	BURGUET J A 26010	24507
	63992	93943	BURGUET J A 26010	BURNS I 76463
BUHL V 17329	BULMER G S 37992 100128	76854	BURGUET J A 26010	BURNS J A 71611
HUHLER A 108675	BULOCK J D 1307	88899	BURGUET J A 26010	BURNS J C 71611
BUHMANN H 45531 76244	BULOCK D H 54642	14336	BURGUET J A 26010	BURNS K N 71697 72862
BUHNER F 51479 51826	BULOCK G L 97527	81624	BURGUET J A 26010	BURNS L V 6538
HUHRER E M 47596 77978	BULOCK H R 94629	24732	BURGUET J A 26010	BURNS M A 41496
BUHLE H 66756	BULOCK J A 14091	14586	BURGUET J A 26010	BURNS M J 3797 3798
BUHTE E 54034 69341	14945	63383	BURGUET J A 26010	BURNS M M 6170
	90121	72702	BURGUET J A 26010	BURNS R 89368
BUA A 37551 48885	BULLOCK J B 65676	72838	BURGUET J A 26010	BURNS R E 28296 48531
HUIATTI M 933 37644	BULLOCK J S 18837	58531	BURGUET J A 26010	BURNS R H 75073
HUICAN D 78252	BULLOCK J S 18837	58531	BURGUET J A 26010	BURNS R L 12793
HUIDER A 41418	BULLOCK J S 18837	58531	BURGUET J A 26010	BURNS R M 9003 9719
HUIE T S 20960 91331	BULLOCK J S 18837	58531	BURGUET J A 26010	BURNS S G 37199 39002 48033
HUIE W A 2380 2636	BULLOCK J S 18837	58531	BURGUET J A 26010	76655 7656 78403
HUIJTEN J P VAN 102622	BULLOCK J S 18837	58531	BURGUET J A 26010	78520 78521 79458
HUINING A F H 98862	BULLOCK J S 18837	58531	BURGUET J A 26010	79475 100130
HUIRTRON A 87401	BULLOCK J S 18837	58531	BURGUET J A 26010	37049
HUISHAND T 29030 39335	BULLOCK J S 18837	58531	BURGUET J A 26010	BURNS W D 108375
39336 39337 49296	BULLOCK J S 18837	58531	BURGUET J A 26010	BURNSIDE E 87167
59788 65531 69951	BULLOCK J S 18837	58531	BURGUET J A 26010	BURNSIDE O C 11009
90491 90492 106298	BULLOCK J S 18837	58531	BURGUET J A 26010	59926 69611 70171
RUJAKIEWICZ A 99068	BULLOCK J S 18837	58531	BURGUET J A 26010	70072 100771 100772
BUJANOWSKI K 1676	BULLOCK J S 18837	58531	BURGUET J A 26010	40831
	BULLOCK J S 18837	58531	BURGUET J A 26010	BUROV D I 20819
BUJARD E 6359 25344	BULLOCK J S 18837	58531	BURGUET J A 26010	51232
BUJOREAN G 79771	BULLOCK J S 18837	58531	BURGUET J A 26010	54770 61553
BUJWID J 92403	BULLOCK J S 18837	58531	BURGUET J A 26010	61488 78740
BUKAEV V 33741	BULLOCK J S 18837	58531	BURGUET J A 26010	BURR G O 38116 86493
BUKASOV S 77878	BULLOCK J S 18837	58531	BURGUET J A 26010	7911 67117
BUKASOV S M 49297	BULLOCK J S 18837	58531	BURGUET J A 26010	BURR H K 33993
BUKATSCH F 29532 78397	BULLOCK J S 18837	58531	BURGUET J A 26010	BURR S A E 57219
BUKER R J 9552 48807	BULLOCK J S 18837	58531	BURGUET J A 26010	BURRELL A B 48149
BUKHALO A S 67937	BULLOCK J S 18837	58531	BURGUET J A 26010	BURRELL B 64673
BUKHARI K M 100889	BULLOCK J S 18837	58531	BURGUET J A 26010	BURRELL J R 55132
BUKHARI M 38803	BULLOCK J S 18837	58531	BURGUET J A 26010	BURRELL N J 6961
BUKHINA M F 107860	BULLOCK J S 18837	58531	BURGUET J A 26010	63672 85916
BUKHLAEVA V YA 69334	BULLOCK J S 18837	58531	BURGUET J A 26010	BURRELL R W 94687
BUKHSN N 21011 29677	BULLOCK J S 18837	58531	BURGUET J A 26010	24883
BUKHITILIV F N 103767	BULLOCK J S 18837	58531	BURGUET J A 26010	BURRIDGE M S 107666
BUKHOTYAROV D N 38902	BULLOCK J S 18837	58531	BURGUET J A 26010	81358
BUKIEWICZ H 50890	BULLOCK J S 18837	58531	BURGUET J A 26010	BURRIER T 14260 94456
BUKIN V 3048	BULLOCK J S 18837	58531	BURGUET J A 26010	BURRIS R H 1308 33523
BUKIN V N 769	BULLOCK J S 18837	58531	BURGUET J A 26010	78837
	BULLOCK J S 18837	58531	BURGUET J A 26010	34234



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
BURROUGHS L F	54406	BUSHUEVA T M-CONT	78405	BUTTERFASS T	47718	BYRDE R J W	27099
--CONT	65434	BUSHUK W	6963		89087	27100	77657
BURROUGHS W	3437	BUSING K H	106643	BUTTERFIELD H M	18282	BYRDY S	63608
12861 22047	22048	BUSINGER J A	54002		38934	49165	88567
	51725	BUSNEL M	95561	BUTTERFIELD R D	35153	BYRN D	56779
BURROW D S W	6962	BUSNEL R G	63811	BUTTERS B	49415	BYRNE J	21568
BURROWS C J	26783	BUSQUETS C T DE	98130	BUTTERS R E	39920	36188	40983
	47999		98131	BUTTERWICK M	86805		21637
BURROWS E M	8803	BUSS E G	41960		108816	BYRNE R J	13024
	88975	BUSS G	92214	BUTTERWICK M W	66561	41833	64785
BURROWS V D	100131	BUSS W	75626	BUTTERWORTH C E	67458		22437
BURROWS W C	78350	BUSSE	81101	BUTTERWORTH M H	44395	BYRNE T G	92110
BURRUS P B	9551	BUSSE M	65040	BUTTERY B R	88675	BYRNES J M	11538
BURSA A	17842	BUSSE W	53741		89371	BYSENKO D M	26159
BURSCH H	13396		64494	BUTTERY R C	33983	BYSTREK J	101219
BURSCH E M	67777	BUSSEL W T	38217	BUTTERY R G	26015	BYSTRETSKY D N	17877
BURSELL E	14597	BUSSELL J G	43459		54215	BYSTROM B G	106508
BURSON P M	9802	BUSSEMAKER O K F	66119		54977	BZSTROVA E I	27612
BURSTALL S W	17499	BUSSEI G	41964	BUTTERY S H	51914	BZSTROVA M I	68684
BURSTROM H	48000	BUSSINK A T	80352	BUTTIAUX R	54099	BZSTROVA Z A	19433
BURSTROM H G	48001	BUSSELER W	936		75627	BZSTROVA Z A	38195
BURT E C	83288		48003	BUTTNER M E	17940	BZSZESKI W	79387
BURT E O	90602	BUSSON F	1403	BUTTON E F	40326		97701
	99732		25705	BUTTON J A	14092	BYTCHENKOVA E A	18507
BURT J L	62485	BUSTA F F	6362		23188	BYTH D E	68431
BURT O R	27441	BUSTAD L K	13673	BUTTON R L	15948	BYTINSKI-SALZ H	42857
BURT T B	64781	BUSTAMAN R O	41308	BUTTRAM J R	63451		95293
BURTHCH L M	84461	BUSTAMANTE-NAVAR-	31851		73179	BYUNG-RYUL CHO	104164
BURTIS E L	74293	RO R		BUTTROSE M S	610	BYWATER T L	22463
BURTNER R H	66900	BUSTARRET J	59456		937	BZHEVSKAYA A N	22210
	93387	BUSVINE J R	13924		27475	BZOWSKA B	75754
BURTON A N	23169		83225	BUTUCELEA S	11386	BZOWSKI Z	76735
BURTON G J	4690	BUSWELL R J	107704	BUTURA I	51833		
4692	23123	BUSZCZAK T	29393	BUTUZOV G M	104816		
BURTON G L	39444	BUSZCZAK T	29393	BUTUZOVA D V	39824		
BURTON G W	1576	BUSZEWICZ G M	61109	BUTYANOV D D	104323		
48002	59109	BUTAEOV A	97161	BUTZ D E	27145	CABADA L	55575
78404	90122	BUTANESCU G	20605		67235	CABALLERO D H	24790
BURTON H S	15433	BUTANI D K	14143	BUTZ E L	84845	CABALLERO-HIDALGO	31745
	44037	BUTAYE R	92156	BUTZ W T	24880	R	
		BUTCHER D F	12794	BUTZKE W	97098	CABANYES-TORRES J	8329
BURTON H W	22520	BUTCHER H P	77313	BUVALKIN A K	57420		
BURTON I	24310	BUTCHER J E	82851	BUVAT R	78098	CABASSI E	93063
BURTON J D	80998	BUTCHER J O	82160			CABASSO V J	13231
BURTON J F	5497	BUTCHER J W	42750	BUXBAUM F	611	81730	81731
23502	32992	BUTCHER R L	72728		18506	CABELLERO F	48272
		BUTCHER W	108432	BUXTON F K	107843	CABELLO J K	1309
BURTON J R	54060	BUTCHER W R	25062	BUXTON G M	23923	CABEA B J	64937
BURTON J S	35388		76115		93944		96261
		BUTENANDT A	32976	BUXTON W H	30636	CABEZUDO M D	74569
BURTON W G	16017		53096	BUYAKOVA T G	83778	CABIB E	19261
	68717	BUTENKO D M	83761	BUYCKX E J E	52771	CABLE C C	54772
BURTON W P	5759	BUTENUTH G	107861	BUYS A C	86416	CABLE D R	48838
BURTON W W	97495	BUTHALA D A	21825	BUYSSE F	3438	CABLER J F	58534
BURTS E	52961		21880	BUYSSSENS M	51618	CABORN J M	61231
BURTS E C	4857	BUTIIN J	57266	BUZACOTT J H	247	CABRAL A	9986
		BUTIN H	88693		19699	CABRAL F C	19962
BURTSCHER H	13315	BUTIN V	44347	BUZANOV I F	79386	CABRERA A L	77314
BURTSEV L	25794	BUTKEVICH S T	75192	BUZATU I	19700		98863
BURTSEVA E S	40289	BUTKEVICHENE A A	72004	BUZDALOV I	106265	CABRERA B D	32714
BURTT B L	26886	BUTKO M A	15025	BUZHENKO YE K	76371		73126
36782	36783	BUTKOV A YA	89369	BUZIASSE C	28147	CABRERA D J	103956
BURTT E T	33451	BUTKOVIC M	80860	BUZICKY A W	69185	CABRERA F	19702
BURUIANA L M	3347	BUTKUS V	37994	BUZINOV I A	63452	CABRERA J I	5658
21978	22049	BUTKUTE A P	102872	BUZINOV V A	13316		51675
44272	82039	BUTLER A N L	54929	BUZELL R D	50700	CABRERIZO-PORTERO	31915
			90493	BUZZELL R D	6071		
BURVILL G H	91051	BUTLER B J	74051	BYALVI A M	80688	CACCHIONE R A	62486
BURWELL D	61300	BUTLER C G	63735	BYASS J B	84569		63076
BURWELL R E	20374		94630	BYCHENKOVA E A	58218	CACERES-ROJA H	12289
BURY L H E	17140	BUTLER C P	26401	BYCHEVOI I F	13802	CACERES-ROJAS H	21462
BURY R L	71351		26912	BYCHKOV A	56383	CACHAJEVAS G	52418
BURYAKOV B P	1641	BUTLER E	76447	BYCHKOV B K	25567	CACHAN P	40714
BURYAKOV YU P	5760	BUTLER E E	14170		54697	CADAHIA C	20656
BURYKIN A M	29990	BUTLER E J	104635	BYCHKOV K YA	61724		70548
BURYMA A K	26254	BUTLER F E	34317		94506	CADAHIA C	20656
BURZIK A	56161	BUTLER G D	5034	BYCHKOV N P	92404	CADAHIA C	20656
BURZLAFF D F	48808		29165	BYCHKOVSKAYA A L	54771	CADAHIA C	20656
BURZLAFF D J	49986	BUTLER G E	45459		51763	CADAHIA C	20656
	91052	BUTLER G W	13655	BYCROFT B W	100580	CADAHIA C	20656
BURZYNSKI B	31157	BUTLER H C	41748	BYDZOVSKY V	12967	CADAHIA C	20656
BURZYNSKI J	53015	BUTLER J A V	38345	BYE A E	59683	CADAHIA C	20656
	95292	BUTLER J D	59922	BYER M J	107702	CADAHIA C	20656
BUSA V	41963	BUTLER J I C	48652	BYERLY T C	36573	CADAHIA C	20656
BUSALAEVA N N	63900		55767		71847	CADAHIA C	20656
	73160	BUTLER L	57553	BYERS F W	76228	CADAHIA C	20656
BUSBAY R L	37058	BUTLER L I	4841	BYERS G B	45362	CADAHIA C	20656
BUSBY R J N	63693	BUTLER P A	52693	BYERS G L	17941	CADAHIA C	20656
BUSCARLET L	49589	BUTLER R	92413		70831	CADAHIA C	20656
BUSCH B	51827	BUTLER R W	72830	BYERS G W	23641	CADAHIA C	20656
BUSCH G	9695	BUTLER W F	41749	BYERS J H	72124	CADAHIA C	20656
BUSCH I	74617	BUTLER W L	78212	BYERS M	10637	CADAHIA C	20656
BUSCH K A	24860		78406	BYFORD W J	37995	CADAHIA C	20656
BUSCH K F	50229	BUTLER W T	41750	BYKOR A N	34547	CADAHIA C	20656
BUSCH L V	47221	BUTLIN N G	7226	BYKOV A N	70442	CADAHIA C	20656
BUSCH R	85882		7640	BYLES B U	100135	CADAHIA C	20656
BUSCH W	3540	BUTNARU E	2465	BYLINKINA V N	49781	CADAHIA C	20656
	32435	BUTNARU G	60462	BYLOV V N	49166	CADAHIA C	20656
	52580	BUTNARU H	91291	BYLTERUD A	59923	CADAHIA C	20656
			1484		79772	CADAHIA C	20656
BUSCH F J	81947	BUTNIK A A	89086	BYLUND H B	24398	CADAHIA C	20656
BUSCHMANN H		BUTORA A	2895		34026	CADAHIA C	20656
		BUTORINA T N	99742	BYLUND H B	24398	CADAHIA C	20656
BUSEY W	25141	BUTOV I G	58140		43958	CADAHIA C	20656
BUSH E H	44443	BUTOZAN V	62181	BYMERS G	45488	CADAHIA C	20656
BUSH F	10708	BUTSEROGA M M	11469	BYRAM J E	63994	CADAHIA C	20656
BUSH F W	39157	BUTSON K D	59533	BYRD C D	29344	CADAHIA C	20656
BUSH H	85573	BUTT B A	32747	BYRD M	28621	CADAHIA C	20656
BUSH H L	1653	BUTT J L	43396	BYRD N A	21049	CADAHIA C	20656
BUSH I G	82793	BUTT S J	33533	BYRD R C	61275	CADAHIA C	20656
BUSH-BOWN J	49164	BUTT T B	10660	BYRD T	56565	CADAHIA C	20656
BUSHING R W	63982	BUTTENSCHON H	47840		69392	CADAHIA C	20656
BUSHLAND R C	23125		49298	BYRD W P	449	CADAHIA C	20656
	98420					CADAHIA C	20656
BUSHONG G W	380					CADAHIA C	20656
BUSHONG J W	77853					CADAHIA C	20656
BUSHUEVA T M	27846					CADAHIA C	20656

1964

## PERSONAL INDEX

	ITEM		ITEM		ITEM		ITEM		ITEM
CALDWELL J T	56232	CALVERT E L	57794	CAMPBELL A D	43910	CAMPLING R C	3439	CANTONI C --CONT	66091
	56780	CALVERT H V	39158		86306	12915 61629	61685	86359 107596	107597
CALDWELL K A	21916	CALVERT W W	51168	CAMPBELL A I	9206		72104	CANTONI G	34860
CALDWELL M A	25442	CALVET C	47070		37471	CAMPO F F DEL	48607	CANTOR L M	91229
CALDWELL R M	10318	CALVET E	60579	CAMPBELL A P	49596	CAMPO G B DEL	20616	CANTUREANU M	105815
18759 19489	19549	CALVET H	31352		50231	CAMPO M VAN	36617	CANTWELL G E	33194
37183 37326	38755	CALVI S A	103962		50332 50364	CAMPOS A C	13427		104974
	47895	CALVIN L D	9330	CAMPBELL A R	41776	CAMPOS A G B	86630	CANUTI B	26018
CALDWELL S	10710	CALVIN M	903	CAMPBELL A S	20856	CAMPOS E G	105095	CANVIN D T	1313
CALDWELL S A G	54773	48579 78408	37998	CAMPBELL B	81266	CAMPOS F F	86819	CANZONERI S	94831
75075 107130	107131		100137		103857	CAMPOS H R DE C	49301	CAPACCHIONE M	91054
CALDWELL T H	49987	CALVO M	30870	CAMPBELL C	73350	CAMPOS-NIETO E	55391	CAPBLANC J	33117
	70504	CALVO-GUTIERREZ-	7040	CAMPBELL C A	11269	CAMPOS-ZAPATA H	19582	CAPECCHI I	45390
CALE G H	4931	AVE C		CAMPBELL C C	17652	CAMPBAG D	32646	CAPEL G L	34740
CALE M T	69092	CALZECCH-ONESTI A	26607		67811		94269	CAPELLA P	7243
CALEA L	81901	CALZECCHI ONESTI	67065	CAMPBELL C G	109075	CAMPS J	107831	7256	7257
CALEDA A A	53016				26529	CAMU P	26608	26735	45062
CALEGON-FLORAS F	32436	CALZECCHI-ONESTI	27198		26876	CAMU S	69831	45114	45115
CALERNBERT J	29887	A	106383	CAMPBELL C H	52135	CAMUS A	24907	25002	24899
CALENCIUC S	22501	CALZETTA-RESIO E	22421		92948	CAMUS B J J	42169	CAPELLARI K	9700
CALENDER J E	3799	CALZOLARI C	74324	CAMPBELL C J	60973	CAMUTI L J	62488	CAPENOS M R	14676
CALERO R	45554	CALZONI A	16765		99743	CAN L	101916	CAPETTI E	9118
CALET C	4063	CAMA H R	84980	CAMPBELL C M	1298	CANADA J C	6043	CARHAUSEN	34450
	62732	CAMACHO L H	770		48005	CANADAS-CRUS L E	50338	CAPINPIN J M	27667
CALEY G F	75231	CAMACHO V E	2072	CAMPBELL C W	59510	CANALE A	32235		27669
CALHOUN J L	96946		9698	CAMPBELL D	75167	35154 35185	35201	CAPLAN B	21510
CALHOUN M C	13175	CAMACHO-CARRASCO	19606	CAMPBELL D A	25899	35208 72807	72875	51084	51206
61980 82161	82180				29680 45987	CANALES G DE	55655		82538
	92281	CAMACHO-GAMBA R R	25585	CAMPBELL D G	73054	CANALS P	9219	CAPLAN S R	108645
CALHOUN M L	13302	CAMARA N J G DA	30871	CAMPBELL D I	44840	CANARACHE A	90797	CAPO E	76562
42290 42329	82979	30872 61725	71698	CAMPBELL D J	4371		101864	CAPOBIANCO B	92944
CALHOUN M P	20015		93193		72805	101638 101674	101869	CAPON B	9422
CALHOUN W	54699	CAMARGO A P	33277	CAMPBELL D R	16665	CANARD-VOLLAND F	51641	CAPON P	42277
CALI A	13102	CAMARGO A P DE	11175		104053	CANAWAY G L	30521	CAPONE A	95326
CALINESCU C	5815	11470 11471	11472	CAMPBELL E D	20229	CANCIENTE E A	28466	CAPONI U	108239
CALISLAR T	92883	CAMARGO F C DE	26203	CAMPBELL F J	49988	CANDA S	61726	CAPOR S P	52682
CALISTRU E	51233	CAMARGO L DE S	49300		90386	CANDAU M G	3114	CAPORALE G	32437
			49301	CAMPBELL F W	39825	CANDELA M R	1010	CAPOT J	11134
CALITZ C	54146	CAMARGO M X DE	41820	CAMPBELL G	75076	CANDIA J D	99165	CAPPA V	30774
CALIXTO-CRUZ N	69380		41858	CAMPBELL G K G	89392	CANDIA L M	103962		93194
CALKIN A E	27247	CAMARGO R DE	6262	CAMPBELL G M	37999	CANDIAS L	17344	CAPPELLETTI C	8557
CALKINS C D	14126		35166	CAMPBELL G S	21530	CANDIOL C	73127		38003
CALKINS E W S	6608	CAMARGO S O	39592		41118	CANDOL W	54557	CAPPELLI D	3731
	107174	CAMARGO W DE A	20228	CAMPBELL H	22615	CANDOLISH J K	45011	CAPPELLI M	12984
CALKINS P	49032		32233	CAMPBELL H T	7419	CANDOLLE A L P P	46794	CAPPELLINI R A	55134
CALKOVSKY F	29845	CAMARGO W V DE A	93631		45295	DE	74855	CAPPELN J H	40116
CALL A B	42688	CAMAROS H R	104117	CAMPBELL I	49167	CANDY J L	101046	CAPPER N D O	73938
CALL D	85342	CAMBIE R C	1283	CAMPBELL I L	51831	CANECHCHIO V	39338	CAPPONI M	52785
CALL D L	25795		78927		4018	CANENBLEY W	77826	CAPPS H W	14867
CALL E P	103735	CAMBIR M	28238	CAMPBELL I R	102852	CANETTA A C	73351	84122	91426
CALL J W	77109	CAMBIR S	63035	CAMPBELL J	17206	CANETTI S J	1693	CAPPUCCINO P G DA	23422
CALL L E	15813	CAMBITZIS N	86963	CAMPBELL J A	84781	CANFIELD D R	54117		75755
CALLAGHAN A E	26457	CAMBRIA A	82826		74354	CANFIELD R E	32870	CAPRA E A	32703
CALLAGHAN B B	27848	CAMEFORT H	18508	CAMPBELL J C	90494	CANGARDEL H	94360	CAPRISTO J D	30874
CALLAHAN R Z	102624		78409	CAMPBELL J D	54775		42880	CAPRISTO J D	16888
	72178	CAMERANESI L	29102		75077	CANGIOLI G	33895	29681 29889	39923
CALLAHAN C J	66874	CAMERON C M	30873	CAMPBELL J E	15685	CANHAM A E	33894		39924
CALLAHAN E P	71179		32234		24844	33896	23189	CAPSTICK E	24894
CALLAHAN J C	102437	CAMERON D	37492	CAMPBELL J E	24860	CANIZO J DEL	47479	CAPSTICK M	72833
		CAMERON D G	20961	CAMPBELL J J R	15637		48006	CAPT E	10664
CALLAHAN L M	29167		59325	CAMPBELL J M	104961	CANIZO Y GOMEZ J	58537	39084	39086
CALLAHAN U V	46269	CAMERON D W	53384	CAMPBELL J R	7449	DEL	8503	CAPTAIN J R C	98496
CALLAHAN P S	43243	CAMERON E	104531		16406	CANJELS G	4373	CAPURON R	17577
CALLAN H G	14598	CAMERON H S	22750	CAMPBELL J S	62122	CANKOVIC M	38998	46790	98865
CALLAWAY R P	54147	CAMERON I H	69502	CAMPBELL K G	55151	CANN H J	10711	CAPURSO A	31080
CALLBECK L C	9004	CAMERON I L	22596	CAMPBELL K O	56059		65416	31662	41470
	77658	CAMERON J L	98346	CAMPBELL M H	11010	CANNATA F	107603	CAPUSE I	43244
CALLBECK L G	77659	CAMERON J W	68618		53809	CANNAVO F	939		105940
CALLE A F DE LA	55839		79527	CAMPBELL M R	103651	CANNELL G H	108676	CAPUTA A	73797
	55942	CAMERON J W M	4672		46706		92405	CAPUTA J	10432
CALLE E R	13620	CAMERON L R	107610	CAMPBELL P J	32203	CANNON D	13621	59326	60347
	98019	CAMERON N W	12869	CAMPBELL Q P	72806	CANNON D J	6965		100324
CALLE J	36784		92170		102923	CANNON G	5241	CAPUTO A	55674
CALLE V H	24616	CAMERON R E	17843	CAMPBELL R A	942	CANNON G B	14599	CAPUTO G	72246
CALLE-SCHLESING-	85711		12083	CAMPBELL R B	11705		27458	CARABALLO C H	56409
ER J DE D		CAMERON R J	91636		2564	CANNON G G	940		76275
CALLEC J J	95008		66563	CAMPBELL R C	13445	CANNON H L	74013	CARACALLI N	18116
CALLELY A G	48532	CAMERON W C	32748	CAMPBELL R E	49293	CANNON H W	98864	CARAES Y	104912
CALLEN E O	77647	CAMERON W P L	106509		60372	CANNON J F M	85268		104914
CALLIN G	102625	CAMERON-BROWN C A	63736	CAMPBELL R K	21259		44038	CARAIMAN G	73454
CALLIS J J	83086	CAMFIELD R V	82365		50837	CANNON P R	24311	CARAMELLI J E	65260
CALLISON F W	87304	CAMICAS J L	45456	CAMPBELL R L	33280	CANNON R Y	41497		65261
CALLOW R K	34960	CAMILLERI-LAPEYRE	97703	CAMPBELL R M	63093	CANNON T F	38002	CARAMETE C	20605
		A	94066		108852	CANNON T N	86504		20619
CALLOWAY D H	67399	CAMIN J H	53173	CAMPBELL R N	58065	CANNON W N	83289	CARANGAL A R	9771
CALMA V C	69434	CAMINOS M A	15721		77879	CANNON M J	9699	CARANGAL V R	69990
CALMES J	9697	CAMIRAN M DE	79502	CAMPBELL R R	67066	CANO A E	51642	CARAPPELLI I	26101
CALNEK B W	62793	CAMM B M	57347		87345	CANO C	22822	CARASSO F M	47244
CALO L L	3448	CAMMACK R H	99840	CAMPBELL R S	48809	CANO F	18080		88280
CALOTANU-IORDACH-	41965	CAMMARATA-PIGNATO	79038		48810	CANO R R	48007	CARAU S V	76429
EL M	42182			CAMPBELL R W	11011	CANOVA A	18284		90554
CALOT L	67938	CAMMELL M E	6961		11012	37423 37471	98268	CARAVAN V	11473
CALOTHI I G	75883	CAMOUIGIS G	93543	CAMPBELL S	88653		99572	CARAWAY M E	3927
CALOTIU I E	91888	CAMP A A	4068	CAMPBELL S G	103652	CANOVAS J L	1312	CARAYON J	46624
CALPOUZOS L	18070	CAMP B J	61884		108620	CANDYER H G	77730	CARB A V	72475
	27101 27102	CAMP H W	96125	CAMPBELL SIR M	98347	CANRIGHT J E	68433	CARBAJAL C	44151
		CAMP T H	50230		334	CANS D	1475	CARBALLIDO A	55575
CALS P	73620	CAMP T R	65378	CAMPBELL V A	99293	CANTABRANA F	44273		86178
CALS-USCIATI J	53555	CAMP W B	46611	CAMPBELL W A	104165	CANTAR F	70074	CARBAUGH S M	25389
CALTAGIRONE L E	52916	CAMP W H	27553	CAMPBELL W C	1203	CANTARAGUI V	44085		55244
	83407	CAMPACCI C A	18077	CAMPBELL W F	8910	CANTARELLI C	26017	CARBINER R	68348
	29597		18243	CAMPBELL W P	95962		74570	CARBINI G	53968
CALTON W E	10167	CAMPAGNE P VAN L	84780	CAMPE K VON	95963	CANTARELLI M	31897	CARBONE L J	2624
CALTRIDER P G	90554	CAMPAGNE Y	35938		64938	CANTELE A	20231		68720
CALU C	68626	CAMPAL-GOMEZ E F	64245	CAMPEAO M L M	540	CANTELOU L B	80922	CARBONE M G	3800
CALUB A G	75676	CAMPAN R	99154	CAMPELLO F	35465	CANTER H M	8829	CARBONELL C S	73854
CALVARANO I	15923	CAMPANA R	333	CAMPEN C M VAN	49376	CANTIANI M	21150	CARBONELL M	44152
CALVARANO M	42836	CAMPANA R J	82826	CAMPER H M	85822	CANTINI G	31279	CARBONNEAU M C	78411
CALVAS R	32173	CAMPANELLA S	6100		96528	CANTILE K	23831	CARBONNEAU M C	9307
CALVERLEY F M	104195	CAMPANELLO F	22155	CAMPHAUSEN H	73998	CANTLON J E	541	CARBONNIER H	77459
CALVERLEY J L	58536	CAMPARA L	12975	CAMPI L	42581	CANTO C A	25121		11013
CALVERT A	17533	CAMPBELL A	4208	CAMPION E J	103866	CANTONI A	36785	CARBONNIERES R	56614
CALVERT C C	39922		41326	CAMPION R A	49540		51850		
CALVERT D V	60346	CAMPBELL A B	10319		101281	CANTONI C	3541		



CARBONNIERES R --CONT	ITEM 56634	CARLSON H C--CONT 62794	ITEM 62655 93195	CAROTHERS J E CAROTHERS W H CAROTHERS Z B	ITEM 50444 67509 77160	CARROLL E T--CONT 107392	ITEM 100461 107393 12862	CARVALHO A C M DE CARVALHO A DE CARVALHO A M B	ITEM 4725 108652 9207
CARCONCINI O	7979 7980	CARLSON I CARLSON I T CARLSON J G	71389 59374 106071	CAROZZA A CARP N	26964 3179	CARROLL F D 41460 51643	71898 103535	CARVALHO B L CARVALHO E C DE CARVALHO E L DE	14095 21980 35980
CARD D G	66259	CARLSON J H	106094	CARPELAND L H	4381	CARROLL G	46973	CARVALHO E L DE	53239
CARDE J P	61556	CARLSON J R	83922	CARPENA D	60349	CARROLL G C	36976	CARVALHO E L DE	105615
CARDENAS C H	90638	CARLSON L E	32204	CARPENA-ARTES D		CARROLL K K	45191	CARVALHO E	59156
CARDENAS M	36786 46831	CARLSON L W CARLSON M CARLSON M E	48431 9005 92157	CARPENTER A J		CARROLL L H	13721	CARVALHO E	59156
CARDENOSA-BARRIGA R	336	CARLSON M E	81948	CARPENTER B H	19491	CARROLL M A	104699	VASCONCELLOS J	
CARDER A C	11014	CARLSON M E	92157	CARPENTER D	20851	CARROLL M F	3542	CARVALHO H P DE	68610
CARDER D J	102267	CARLSON N K	6482	CARPENTER E	18843		22940	CARVALHO J B DE M	97191
CARDIFF E A	102283	CARLSON R E	40166	CARPENTER E M	103592		55576	CARVALHO J C M	53391
CARDIFF I D	12158		2723		32140	CARROLL P N	86270	CARVALHO J P DE	52992
CARDINAL R	57234		52047	CARPENTER F A	25142	CARROLL T	537	CARVALHO L DE	53247
CARDINALI A	103511	CARLSON R F	82402	CARPENTER F M	21378	CARROLL T F	87269	CARVALHO M C DE	32815
CARDINALI M	57886		59547	CARPENTER F R	75577	CARROLL T L	98020	CARVALHO-VASCONC- ELLOS J D	98718
	64540	CARLSON R M	79478	CARPENTER G A	80524	CARROLL T W	46270	CARVALLO A M B	14422
	74150	CARLSON S	11230	CARPENTER H A	73886	CARROW R	58103	CARVELL K L	91509
CARDINET G H	106384	CARLSON V R	41863	CARPENTER J A	26755	CARRUTHERS A	22154		91510
CARDINI C E	22412	CARLSON W D	74922	CARPENTER J W	56385		16407	CARVER J A	91818
	28371		3955	54148 56966	46233	16408 26255	86447	CARY A	8504
CARDON B	58991	CARLSSON A	22347	84847 87623	77145		86448	CARY E E	10553
CARDON B P	22050	CARLSSON A H	32814		88166	CARRUTHERS J F S	81358	CARY J W 79932	79984
	41498	CARLSSON E	109178	CARPENTER J A	98258	CARSI R	29891	CARY M M	95386
CARDON P V	62075	CARLSSON F	17578	CARPENTER J R	72320	CARSON A W	42259	CARY R	45891
CARDONA A C	33970	CARLSSON G	51482	CARPENTER J W	35601	CARSON D	74383	45893 66902	66903
CARDONA M H	19490	CARLSSON H	18698	62077 62128	25940	CARSON E E 16976	108590	CARY R M	35877
CARDONA-ALVAREZ C	103388	20115 20116	20117		82953	CARSON H L 53310	105703	43422 76395	76396
CARDONA-ALVAREZ G	109251	CARLSSON J R	20118	CARPENTER K	103536	CARSON J	54978	CARYL N R	2549
	53911	CARLSSON S	79640	CARPENTER K J	20232	CARSON J A	11282	CASA D D	100579
CARDONA-MONTES A	72603	CARLSSON S	4259	CARPENTER M M	13445	CARSON J D	41886	CASA-CARRAMINANA	7040
CARDONA-MONTES H	41574	CARLSTROM G	13014		93062	CARSON P L	52304		
CARDOSO A DA S	41391	CARLSTROM L	460	CARPENTER M T	6539	CARSON R	80010	CASACA V M R	4725
CARDOSO J C	18824		799	CARPENTER R D	61630		109079	CASADIO G P	26530
	49846	CARLTON A B	77855	CARPENTER S E	93610	CARSON R B	2575	CASADIO P	65553
CARDOZO A	13670	CARLTON C C	10972	CARPENTER W A	12325		103574	CASADIO D	87785
	35939	CARLTON L D	29066	CARPENTER W J	51727	CARSTEAD D	67602	CASADY A J	18699
CARDUS J	60139		44731	CARPENTER W J G	43730	CARSTEAS S	60240	CASADY R B 20610	32149
CARDWELL V B	91055	CARLTON W W	44802	CARPENTER W S	38505	CARSTENSEN J	49847	82709	93541
	771		13492	CARPENTER Z L	38006	CARSTENSEN L	32438	CASADY R M	13639
CARE A D	59154 59155	CARM W T 13493	62795	25923 45015	87190	CARSTENSEN V	63240	CASAL H O 23780	23781
CARELLA P	69545 69612	CARMAN G E 42660			7160	CARTA M G	98021	CASAL J J 13076	22223
CARENZO M V	78412		94361	CARPENTIER F	55440	CARTE B S	24973		63040
CARES C J	10433	CARMAN R D	12042	CARPER H A	104733	CARTELLIERI E	74897	CASAL D H 23720	32221
CARESANA D	36787	CARMAN R M 61518	61519	CARPIO-BURGA R DE	5604	CARTER A L 48012	70664	64059 64060	64138
CARESCH L	35128	CARMER S G 19445	48811		13040	CARTER A R	52222	64139 64140	64141
CARESCHE L	82980		69342	CARR A B 56566	19582	CARTER A S 55769	1930	CASALI M 24291	33933
CARETTO M	53467	CARMZ	107218	CARR B C	19582		55805	CASALICCHIO G	99156
CAREVIC O	53989	CARMICHAEL A	42486	CARR C J	87132	CARTER C R	75812		99572
CAREW G W	93213		42487	CARR C S	26893	CARTER C W	29682	CASALIS J 15686	24757
CAREW J	10511	CARMICHAEL B W	17232	CARR D J	3322	CARTER D	94270		24944
CAREY D E	29031	CARMICHAEL G T	94061	CARR D R 40832	107952	CARTER D L 20839	40247	CASALLO A	28712
CAREY D E	23126		94067	CARR D W	98866	60119 101706	102116	CASALS J	4693
CAREY J B	29598	CARMICHAEL L	103749	CARR E K	61358	CARTER E D	1577	CASALS M J F	26402
CAREY N H	41966	CARMINATTI H	19261	CARR G M	26610	CARTER E S	53912	CASANOVA A 39515	49452
CAREY O T	31073	CARMO-E-FREITAS A	18078	CARR J	91609	CARTER G A	77660	CASANOVA J A DE	20808
CAREY R J	54955	P		CARR J G	40786	CARTER G E	29168	43821	70704
CAREY R L	55106	CARMODY L J	108130		35602	CARTER G F	87230	CASARES V M	26894
CAREY W F	25345	CARMODY R 2518	26754	CARR J G 6263	6738	CARTER G H	8883	CASARI L 103654	103683
CARGILL D I	41691		26754	69738	96262	CARTER G L 46236	56906	CASARINI B 18079	18080
CARGILL H W	98507	CARMON J L 104162	107599	CARR S G M	98666	CARTER G R 3137	30980	18081 18244	27284
CARGIE J S	48251	CARMONA C	105218	CARR S J	98666	CARTER H	27407	47071 77856	96847
CARIKER M F	15657	CARMONA E COSTA O	65379	CARRA D J	45772	CARTER H B 54776	72808	CASARINI C	77617
	24872	E		CARRA J	30052	CARTER H E 31543	52018	CASAROSA L	104166
CARILLON R	84275	CARMONA E COSTA O	65379	CARRANCCO M G	41575		78865	CASAS A	65677
CARISANO A	55432	F		CARRANTE V 86269	65142	CARTER H D 20635	26756	CASAS M 92282	92293
CARISS H G	75007	CARMONA M M	73055	CARRANZA J M	91056	27441 86339		CASAS P I 9702	48155
CARLBORG G	30304	CARNAGHAN R B A	41333	CARRARA O 31542	88694	CARTER H W 31136	61959	CASAS P I A	48156
	76470	81735			35062	CARTER J C 8912	77815	CASAS-CARRAMINANA	76872
CARLE P	52963	CARNAHAN H L	9555	CARRAS J	52017	CARTER J E	44843	A	
CARLES J	11266			CARRASCO C J	53835	CARTER J F 59118	100925	CASAS-GUARDIA I J	24217
39727	106772	CARRASCO E D	17943		8911		99744	CASAS-PEREZ M	72005
CARLETON W M	64537	CARRAZZONI J A	13641	CARRASCO E D	67400	CARTER J L	82815	CASASSA E F	75563
	87828	32205 52529	61960		98348	CARTER J M 71776	11294	CASASSA M T	64740
CARLEY D H	6408	62341 63040	63195	CARRAZZONI J A	13641	CARTER J N	11055	CASATI R 31792	52344
CARLIER A	34355			32205 52529	61960	CARTER L M	40139	CASATI R M 31958	31959
CARLIER M	38004			62341 63040	63195	CARTER L P 67730	70506	CASAYS L	24974
CARLIER M	2517	CARNE H R	72808		72924	CARTER M C 23220	68721	CASCALES M	38551
CARLIE M J	100191	CARNE I C	1789	CARRA J G	6483	71180 91540		CASCELLI E S	62486
CARLIE W R	23421	CARNEGIE A J M	42661	CARRACK C W	93145	CARTER M T	28034		63076
CARLIN A F	16206	63609	73252	CARRACKER J R	29890	CARTER M V 27103	77467	CASE A A 3138	22419
CARLIN A G	65827			CARREL J	56013		85440	CASE C	5717
CARLINI E	56247	CARNEGIE D	64298	CARREUN REYES F	71085	CARTER M W	99433		71699
CARLISLE D B	14913	CARNEGIE P R	1314	CARRERA M C	51728	CARTER N C C	60193	CASE F W	67813
23918 33452	106070		28297		103533	CARTER R C	92206	CASE H C M	67017
CARLISLE V W	2260	CARNERI I DE	6171	CARRERE L	104679	CARTER R M	72463	CASE J F	5131
CARLO A DE	44348	22329 52136	103963	CARRERO H M	15429	CARTER R W	79528	CASE M E	47841
CARLO I	5716	CARRERE L	104679	CARRETERO-ORRASCO	82981	CARTER S	88281	CASE M T	104121
	63189	D F		D F		CARTER S W	42632		
CARLO J A DE	64084	CARRICK C W	93145			CARTER T C	104476	CASH K	46237
	67867	CARRIER C L	56674	CARRICK C W	93145		104476	CASHATT E D	73828
CARLONE R	28927	CARRIER L	17435			CARTER W	23284	CASHIN K D	43043
CARLONI L	20414	CARRIERE W	101309	CARRIERE D L	34971	CARTER W A	13743	CASELBERG H M	108054
CARLOTTO	82630	CARRIERE-DE-BELG-	19679			CARTER W C	40791	CASELLA A	84462
CARLUQUIST S	17654	ARRIC R				CARTER W R B	56781	CASELLA R L	13317
68434 68435	68598	CARRIKER M A	23943				67116	CASELLI L	10594
	78100	CARRILLO B J	22801				38517	CASEY A J	61301
CARLSEN E W	55108		51829	CARRILLO J M	71612	CARTIER D	23740	CASEY H W	13673
CARLSON A B	26785	CARRILLO S J	43787			CARTIER J J	75578	CASEY J C	33984
CARLSON A H	81734	CARRILLO S D	56881	CARRILLO J M	5968	CARTIER L J	26019	CASEY R P	15360
CARLSON C A	63384	CARRINCO S D	56881	CARRINCI S D	56881	CARTMER L J	26019	CASH K	46237
CARLSON C D	61357	CARRINGTON D L	34971			CARTONI G	26110	CASHATT E D	73828
CARLSON C J	56000	CARRION P	44732			CARTONI G P	45116	CASHIN K D	43043
CARLSON C W	4065	CARROLL B	54132				45116	CASHMAN S C	24431
52177 52178	93060	CARROLL D E	6693				45116		65504
	93061	</							

ITEM	ITEM	ITEM	ITEM	ITEM						
CASILLAS-CHAPEL C M	66018	CASTILLO J A-CONT	105257	CAUCHON R	9392	67939	CEDERWALL K	21442	CESARI A	18123
CASILLI O	42662	CASTILLO L S	12474	CAUDERON A	69381	52355	CEDRO V C F	52355	CESARI C	59491
CASILLO R	75677	15613 15771	22926	CAUDERON Y	17655	18700	62486 62657	63078	CESARI M	26965
CASILLO S	3541	CASTILLO P	73028	CAUDILL H	56743	51832			CESARINI G	24509
CASINI E	39077	CASTILLO S V	57130	CAUDRON L	51331	55433	CEGARRA J	30970	CESNIK R	38098
CASINI P	20820	50233	67444	CAUMARTIN L	101918	51331	CEGIELKA M	30970	CESPEDES G E	56636
	91230	CASTILLO T H	15429	CAUPIN J	99294	101918	CEGNA P	27107	CESSAC M	52832
CASINI-ROPA G	33691		45848	CAUQUIL J	68119	99294	63385	59839	CESTERO H	51675
CASINOVI C G	30669	CASTILLO-CHAVARR-IA S V	8348	CAUSERET J	36362	46474	CEHNIAE G M	19281	CETLOVA J	15722
CASIS C I	71510		8349	CAUSEVIC Z	3039	46474	CEIZEL P	19281	CETLOVA J	30559
CASKEY C D	22055	CASTILLO-ROYO J	28448	CAUSEY E W	103964	94688	CEJCHAN A	84187	CEVALLOS G F	22203
	34462	DEL		CAUSEY N B	83762	94688	CEJP K	46974	CHAADAIEVA P N	20101
CASMAN E P	25842	CASTILLON A V	25261			94689	CEKADA A	35086	CHABAN YA S	45517
CASNATI G	38849	CASTLE E	20822	CAUSEY O R	4693	83226	CELAN B	60066	CHABANNES J	80276
CASOLARI A	54100	CASTLE E N	8004	CAUSSIN R	77654	77654	CELAN B	39642	CHABASSE Y	92406
CASOLI U	55124	CASTLE H	99008	CAVA M P	38565	100727	CELARIER R P	58430	CHABAUD A G	84209
		CASTLE J	86808	CAVACO A	8674	77316		71794		84215
CASON J L	96873	CASTLE M E	36189	CAVADINI L	69663	69663	CELASCO D	19492	CHABOT-JACQUET Y	18539
CASON M E	22055	72006	72007	CAVAGNARO C R	43397	43397	CELASCO E R	80605	CHABOUSSOU F	42663
CASONATO G	27192	72008	91819	CAVAILLES J	22522	22522	CELASCO L	19492	83137	83408
		CASTORINA S	65976	CAVALCANTI W A	88502	88502		22287	CHABROLIN C	17944
CASPAR D L D	98259	CASTRI F DI	2189	99056 99057	99058	99058	CELAYETA F D	99295	CHABROLIN R	47842
CASPAH F	47480		71848		99060	99060	CELEBREZZE A J	3114	CHABROLIN V P	100741
CASPAH H J	70882	CASTRI L F	31049	CAVALCASELLE B	23379	23379	CELEDOVA V	73120	CHACHULA J	62641
CASPER S J	56635	CASTRO A F P DE	22330		23380	23380	CELIDONIO C	2331	CHACHULOWA J	32337
CASPER S J	36788	22941 22986	22987	CAVALIE G	37201	37201	CELINO M S	10285		32341
CASPER H	58141	CASTRO C E	88678	CAVALIERE A	77453	77453		27285	CHACIN G	43787
CASPERSON G	12439	CASTRO E R	101205	CAVALLI L M N	42578	42578	CELIUS R	65380	CHACIN-MEDINA G	56792
		CASTRO F S DE	20329	CAVALLI M	84407	84407	CELLA M G	79268	CHACKO A J	101467
CASS J S	30720	CASTRO G A DE P	11148	CAVALLI V	74986	74986	CELLER-JAHRBUCH	18924	CHACKO C I	6
CASS L M	4018	CASTRO G A P	11787	CAVALLO G B	93823	93823	CELLI G	95295	CHACKO M J	105871
CASS SMITH W P	4789	CASTRO H J	44990		93824	93824	CELLIERS C J	42651	CHACKO V J	102475
CASS W G	60741	CASTRO J DE M O	46868	CAVANAGH G G	33454	33454	CELO T	92158	CHACON A J F	51339
CASS-BEGGS D	20821	DE		CAVANAGH R W S	98421	98421	CELORIA M G	64740	CHACULA J	52086
CASSADY J W	33791	CASTRO RODRIGUEZ	67236	CAVANDOLI H E	61960	61960	CELSO P M DI	18846	CHACUN M	106685
CASSADY R	54149	L		CAVASSA J	95702	95702		51421	CHADA H L	46547
CASSAGNAU P	23944	CASTRO ROMERO A	65041	CAVATORTA A	15026	15026	CENA M	24218	CHADAEV YA	15027
	33491	CASTRO T R	42576	CAVAZZA D	60582	60582	64590	64591	CHADDERDON H	8318
CASSAGNE-MEJEAN F	5066	CASTRO U DE P	64157	CAVAZZA P E	55392	55392	72154	92624	CHADDOCK R E	25587
CASSAGNES P J A	72476			CAVAZZONI V	9659	9659		31269	CHADEFAUD M	18510
CASSAL J J	13641	CASTRUCCI G	63241	CAVE A J	70076	70076	CENNI R	19493	27476 37647	57735
CASSANO A E	107755	63242 63243	63244	CAVE M S	37645	37645	CENZO H M	47850		57735
	107756			CAVE W E	32206	32206	CENZO H P	94425		99842
CASSARD D W	30775	CASU I	104767	CAVENDER J C	11323	11323	CENSI G	99549	CHADENET L	54780
CASSEL T	23423	CASWELL R L	46497	CAVENDER J M	48770	48770	CENTIFANTO Y M	51234	CHADHA K L	10677
CASSELBERRY N H	82982	CATACOUZINOS D S	39927	CAVENDER N	26500	26500	CENTOLA G	65263	20675	50049
	98502	CATALAN G	102626		70813	70813	CENTONZE-CRAXI M	78419	CHADHA R S	44115
CASSELL S J	37706	CATALAN J G	60711	CAVERS J R	7347	16349	CEPEC J	89604	CHADIM V A	67814
CASSELLS J A	45026	CATALAN M	84992	45205	97277	97278	CEPEDA-GUERRA E	35940	CHADLI A	104179
CASSELMAN T W	58040	CATALAN G	84749	107792	107793	107793	36028	84750	CHADWICK A	32151
	77140	CATALANO G R	1397	CAVERS P B	39445	39445		87631	CHADWICK C E	14356
CASSELTON P J	8804	CATALDI E	35503	CAVERS S D	71492	71492	CEPELAK J	5245		23190
CASSENS R G	25843	CATALFOMO P	58975	CAVETT J J	45012	45012	63995	73621	CHADWICK D R	84913
	25844	CATALINA L	49989	CAVEY W A	73164	73164	72154	6886	CHADWICK L C	1826
CASSHYAP S M	5	CATALTAS I	96112	CAVICCHI F	98608	98608		34756		79552
CASSIDY J	93161	CATANA A J	99745	CAVIN J P	45439	45439	CEPONIS M	37400	CHADWICK L E	63369
CASSIDY P A	108376	CATARSINI O	31268	CAVINESS C E	10522	10522	CEPONIS M J	67686	CHADWICK M J	9703
CASSIE A B D	54777		42541	28550	59404	59404	CERA M	84463	CHADWICK P	12563
	54778	CATAVELA S	28787		100142	100142	CERAGIOLI G	12363	CHADWICK P R	13925
CASSIEK P	33453	CATAVELLA S	1727	CAVOLI A M	96848	96848		61440	14229 52737	83924
CASSIGNARD R	74572	CATCHESIDE D G	89258	CAVRINI C	66072	66072	CERAME-VIVAS M J	88472	CHADWICK S F	69821
CASSIL C C	94035	CATCHPOLE N	69820	CAVRIN J O	106248	106248	CERBELLE J C	82712	CHAEVA K	24975
CASSIN J	77880	CATCOTT E J	22408	CAWLEY W D	22692	106248	CERCEAU-LARRIVAL M T	8675	CHAFAI A	28392
CASSINELLI C	96263	CATE D F	40726	CAWE P A	49683	60062		37646	CHAFEE F H	76787
	106773	CATE H R TEN	106369	CANTHORNE J	54931	54931	CERCOS A P	67938	CHAFFARD M	63610
CASSINI R	89471	CATE J TEN	109076	CAYEUX L F	49267	49267		78420		94362
CASSOKLA E	52795	CATE L TEN	75538	CAYFORD J H	12049	12049	CEREA A	55841	CHAFFRAY J	32553
CASTAGNOLI B	65828	CATE R B	100141	21260	50839	50839	16666	28289		63347
	66070	CATEIGNE G	82441		102627	102627	CERIN B	32588	CHAGAS E	27516
CASTAING J	42077	CATELLANI G	31712	CAYOQUETTE R	98855	98855	CERINIO J M DE	53255	CHAGNON S J	56248
CASTAN G	44153	CATER C W	107661	CAYROL J C	58116	58116	CERMA E	74324	CHAHAL B S	64246
CASTANER D	99676	CATER W B	101374	CAYROL R	73798	73798	CERMAK A	15191	188	9106
CASTANG C	54204	CATES F B	39339	CAZACEANU A	68831	68831	CERMAK J	43517	CHAHAL D S	59157
CASTANG J	107766		44542		70550	70550	CERMAK K	31664	CHAHAL K S	29477
CASTAND J J	99548	CATESSON A M	78416	CAZACEANU I	68831	68831	CERMAK O	3350	CHAHAL R S	60067
CASTANON G	56615	CATHERAL P L	42577		70550	70550	CERMAK P	4932	CHAHED R	34653
CASTELAIN C	77467	CATHERINET M	18844	CAZACU I	1825	1825	CERNA J	42279	CHAI C H	105941
CASTELLA M T	88377	CATHEY H M	10712	CAZAILLET M	97099	97099		63245	CHAI J C	85064
CASTELLANI C	21121	39159 48008	78417	CAZEMIER C H	92401	92401	CERNEA I	51933	CHAI K Y	95048
CASTELLANI E	27104	CATHIE L S	27355	CAZIER M A	83923	83923	CERNESCU L	90000	CHAI T W	2170
	71338	CATIC K	30553		95170	95170	2261	60120	CHAIKA L S	56386
CASTELLANI L	35033	CATIN A	20611	CAZZARO G	39829	39829	CERNESCU N C	39826	CHAIKA N F	72013
CASTELLANO A	108240	CATINDIG-SANTOS A	18845	CEANIS M	32977	32977	CERNIK V	39160	CHAIKA T P	57131
CASTELLANOS P	98719	D		CEAUSCESCU M	90046	90046	CERNING J	25708	CHAIKA M	25143
CASTELLINO S	22329	CATLEY A	52917	CEAUSU N	80273	80273	CERNOHORSKA J	19292	CHAIKIN M	34521
	52136	CATLIN P B	38522		91231	91231		41576	CHAIKIN P	97650
CASTELLO DE PLANDULIT F	66071	CATLING H	44444	CEBALLOS G	105870	105870	CERNOHOUS J	41576	CHAIKOFF I L	104191
CASTELLO J A	53673	CATLING W S	360	CEBALLOS H	6102	6102	CERNOSEK A	34463	CHAILAKHYAN M KH	9202
CASTELLO W J	90276	CATO P	4567	CEBALO T	58958	58958	CERNY A	37202	9704 48010	68723
CASTELLO-DE-PLAN-DULIT E	107791	CATO-P-CENSORIUS	86964	CERBE Z	61247	61247	CERNY J	17109		100144
		CATON D O	45955	CECCARELLI A	32155	32155	CERNY L	104818	CHAILLOT L	62603
CASTELLO-DE-PLAN-DULIT F	55706	CATOVIC-CATANI S	27105		51850	103655	13494 41576	42279	CHAIM K	23424
			27106	CECCHETTI J C	76868	76868	49046	61272	CHAIN E B	68111
CASTELLO-LLOBET J	22479	CATRINA E	58434	CECCHINI R	21666	37552	CERNY V	94068	CHAKALINSKAYA N I	46642
A 22521 22583	26157		91839		50234	79652		38581	CHAKOLA J J	25144
	52305	CATRINA I	80409	CECCONI S	101738	102326		80485	CHAKRABARTI S	74368
CASTELLO-LOBET J	106434	88781	88781	CECH F C	91541	91541		43131	CHAKRABARTY M M	45138
		105355					CERQUETRA N L	31270	45139	86271
CASTELO-BRANCO F	108817	CATRINA J	50986	CECH J	74235	74235	CERRUTI C G	61110	CHAKRABORTI S K	36388
CASPER R	12293	CATRON D V	25796	CECH M Y	40801	40801	CERSOSIMO F J	3732	CHAKRABORTY B B	37955
CASPERHOLZ R W	68985	CATSAOUNIS N	42178	CECH Z	92543	103656	CERSOVSKY H	95767	CHAKRABORTY B K	106966
CASSTERLINE J L	32041	CATSKY J	48408	CECHOVSKY J	104297	104297		75579	CHAKRABORTY M K	7526
	41995	CATSOGRIDAKIS C A	51483		104297	104297	CERTAINES E DE	6172		7549
CASTIGLIONI J A	61576	CATT C C	66812	CECIL H C	12960	13666	CERVATO A	39928	CHAKRABORTY R N	16050
CASTIGLIONI M C	23642	CATTABIANI E	96862	62426 62656	103608	103608		80275	CHAKRABORTY S	65014
CASTIGLIONI N V	16529		97166	CECIL R	54117	54117	CERVATO G	37679	CHAKRAVARTI B P	18248
	24397 25290	CATTANEO P	26010	CECIO A	32150	32157	CERVENKA J	13988	CHAKRAVARTI K S	38580
	55240 74898	75623 75671	75741	CEBARGREEN C R	96197	96197	CERVENY A	76249	CHAKRAVARTI R N	69186
		CATTIN-VIDAL P	72729	CEDELL T	11015	26996		100143	CHAKRAVARTI S C	79773
CASTILLA-CHACON R	94271	CATTO G A	17448		72153	72153	CERVIGNI T	108508	CHAKRAVARTY A K	4568
CASTILLO B	49402	CATTON W T	33451	CEDERHOLM P	87997	87997	CESANEK J	62076	CHAKRAVARTY D K	44396



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
CHAKRAVARTY H L 27870	CHAN Y F 65264	CHANG M 95826	106386	CHAPMAN H D--CONT 10619	CHARREAU C 49991
CHAKRAVORTI K P 41967	CHAN Y S 91015	CHANG M C 82708	28708	CHAPMAN H H 17343	CHARROT J 47314
52227	CHANCE B 19280	CHANG P C 90087	37831	46548 57298	98599
CHAKRYAN T O 101485	78928	CHANG P L 100581	74175	CHAPMAN H L 12863	CHARTON A 22156
CHAKVETADZE D I 76877	CHANCELLOR W J 10168	CHANG P T 107335	41968	35755 62077	12807
CHALABI-KABI Z 17632	CHANCELLOR-MADDI--SON J 103536	CHANG P W 49374	72009 72010	94072	103536
36666	CHANCEY H W R 31830	CHANG P Y 48012	2714	CHAPMAN H R 15724	CHARTON F 54505
CHALADUS J 61276	CHANCOCNE M 99298	CHANG R K 2714	13024	CHAPMAN H W 9960	CHARYEV O CH 94138
CHALAM G V 26219	CHAND B 98133	CHANG S C 13021	60759	CHAPMAN J A 23381	CHARYULU N R 78726
CHALARD P 31271	CHAND J N 432 37830	52694 83228	89795	14786	CHASE C D 11939
CHALAWYOO S 4768	CHAND K 86220	101921	41911	23591	CHASE F E 39773
CHALFANT R B 4788	CHAND L 7227 65101	93945	94631	69638	CHASE J L H 10571
CHALIHA B P 6766	54979	106073	90088	42801	CHASE L R 48540
6852 15924	54979	93945	94631	28415	CHASE R W 11016
CHALK L 21706	58066	106073	90088	33303	CHASE S 7812
CHALKLEY J 73092	73092	26022	90088	19581	CHASE S S 18701
CHALLACOMBE J A 106559	24811 65142	2715	68437	70788	48015 78254
CHALLANS J A 56781	67116	55842	75828	2017	CHASHI K 24353
56781	13982	79776	81401	512	CHASSAGNE M 57220
CHALLASWAMI T 35527	92408	91201	105388	339	CHASSAT J F 89093
CHALLIER A 42467	CHANDIRAMANI N K 62873	58380	23047	23047	CHASSE J L 43002
CHALLINOR S W 100145	CHANDLER C C 2866	31746	58297	58297	CHASSERAUD J 87303
CHALMAER-HUNT J M 73799	81213	106360	40540	40540	CHASSET R 101282
CHALMEKS C H 15723	CHANDLER C H 6575	106401	483	483	CHASSEVENT F 44154
44274	CHANDLER D W 1546	100495	34775	9267	CHASTAIN E D 35802
CHALMERS D J 20896	15859 23988	60583	58117	106644	66566
CHALMERS M I 103184	54781	98422	22858	42371	CHATAM M 98260
CHALMERS-HUNT J M 5499	102304	104977 104978	104979	42371	CHATCHAKUL S 48016
14861 23833	33269	68620	5519	42382	CHATER A D 88282
33370 53468	53469	95387	95442	70665	CHATER S W 8156
73799	73800	95442	28906	70665	CHATFIELD H W 52695
CHALONER W G 67688	67688	34773	49035	82984	CHATFIELD M G 79933
CHALOUP P A 82162	92407	90905	100148	100075	CHATT E M 43905
92407	56387	90905	100148	100075	CHATTERJEE J B 17231
CHALUPA J 40627	40627	105163	89495	106602	CHATTERJEE A 19260
CHALUPA V 17101	103185	28298	76251	25291	CHATTERJEE A K 47316
CHALUPA W 13406	38009	95105	95105	107316	CHATTERJEE I 82313
CHALYI I I 24976	24976	69065	40169	15515	CHATTERJEE N 90967
CHALYI M 26020	26020	100149	47481	65678	CHATTERJEE P B 83503
CHAMANLAL R 4482	4482	73622	38014	18285	CHATTERJEE P N 33492
CHAMBERLAIN A G 22908	22908	105646	46834	19791	43020 43021
CHAMBERLAIN C C 82650	82650	46834	90300	1740	53017
CHAMBERLAIN D M 251	337	46834	90300	18285	73597
CHAMBERLAIN D W 337	79751	46834	90300	19791	73598
79751	9177	46834	90300	19791	73598
CHAMBERLAIN E W 57887	57887	46834	90300	19791	73598
CHAMBERLAIN G C 29478	88900	46834	90300	19791	73598
CHAMBERLAIN G T 88900	88900	46834	90300	19791	73598
CHAMBERLAIN R 83227	83274 94069	46834	90300	19791	73598
CHAMBERLAIN R W 83227	83274 94069	46834	90300	19791	73598
83274 94069	14053	46834	90300	19791	73598
CHAMBERLAIN W F 42468	63453	46834	90300	19791	73598
42468 63453	82800	46834	90300	19791	73598
CHAMBERLAND E 50812	50812	46834	90300	19791	73598
CHAMBERLAND G 108674	108674	46834	90300	19791	73598
CHAMBERLAND H 3544	3544	46834	90300	19791	73598
CHAMBERLIN J C 46633	46633	46834	90300	19791	73598
CHAMBERLIN R V 53174	53174	46834	90300	19791	73598
CHAMBERLIN V D 93162	93162	46834	90300	19791	73598
CHAMBERS A Y 37498	37498	46834	90300	19791	73598
CHAMBERS D 12795	88799	46834	90300	19791	73598
88799	103433	46834	90300	19791	73598
103433	23834	46834	90300	19791	73598
23834	941	46834	90300	19791	73598
941	3844	46834	90300	19791	73598
3844	82983	46834	90300	19791	73598
82983	65126	46834	90300	19791	73598
65126	63501	46834	90300	19791	73598
63501	9006	46834	90300	19791	73598
9006	72420	46834	90300	19791	73598
72420	26021	46834	90300	19791	73598
26021	86272	46834	90300	19791	73598
86272	17656	46834	90300	19791	73598
17656	77317	46834	90300	19791	73598
77317	75756	46834	90300	19791	73598
75756	23453	46834	90300	19791	73598
23453	338	46834	90300	19791	73598
338	9007	46834	90300	19791	73598
9007	9008	46834	90300	19791	73598
9008	9705	46834	90300	19791	73598
9705	77661	46834	90300	19791	73598
77661	74777	46834	90300	19791	73598
74777	48323	46834	90300	19791	73598
48323	66198	46834	90300	19791	73598
66198	66137	46834	90300	19791	73598
66137	75678	46834	90300	19791	73598
75678	97542	46834	90300	19791	73598
97542	101551	46834	90300	19791	73598
101551	72865	46834	90300	19791	73598
72865	83502	46834	90300	19791	73598
83502	89090	46834	90300	19791	73598
89090	89091	46834	90300	19791	73598
89091	48011	46834	90300	19791	73598
48011	89092	46834	90300	19791	73598
89092	25610	46834	90300	19791	73598
25610	55756	46834	90300	19791	73598
55756	19279	46834	90300	19791	73598
19279	102303	46834	90300	19791	73598
102303	79553	46834	90300	19791	73598
79553	65381	46834	90300	19791	73598
65381	43590	46834	90300	19791	73598
43590	99142	46834	90300	19791	73598
99142	65143	46834	90300	19791	73598
65143	94046	46834	90300	19791	73598
94046	94048	46834	90300	19791	73598
94048	44639	46834	90300	19791	73598
44639	29892	46834	90300	19791	73598
29892	68724	46834	90300	19791	73598
68724	2713	46834	90300	19791	73598
2713	65472	46834	90300	19791	73598
65472	106385	46834	90300	19791	73598
106385	4715	46834	90300	19791	73598
4715	23870	46834	90300	19791	73598
23870	91015	46834	90300	19791	73598
91015	78421	46834	90300	19791	73598
78421	100581	46834	90300	19791	73598
100581	74175	46834	90300	19791	73598
74175	10168	46834	90300	19791	73598
10168	31830	46834	90300	19791	73598
31830	99298	46834	90300	19791	73598
99298	98133	46834	90300	19791	73598
98133	37830	46834	90300	19791	73598
37830	86220	46834	90300	19791	73598
86220	65101	46834	90300	19791	73598
65101	65954	46834	90300	19791	73598
65954	37396	46834	90300	19791	73598
37396	28877	46834	90300	19791	73598
28877	15614	46834	90300	19791	73598
15614	85269	46834	90300	19791	73598
85269	18847	46834	90300	19791	73598
18847	13982	46834	90300	19791	73598
13982	92408	46834	90300	19791	73598
92408	62873	46834	90300	19791	73598
62873	2866	46834	90300	19791	73598
2866	81213	46834	90300	19791	73598
81213	6575	46834	90300	19791	73598
6575	1546	46834	90300	19791	73598
1546	54781	46834	90300	19791	73598
54781	74139	46834	90300	19791	73598
74139	102304	46834	90300	19791	73598
102304	101468	46834	90300	19791	73598
101468	95313	46834	90300	19791	73598
95313	38691	46834	90300	19791	73598
38691	79123	46834	90300	19791	73598
79123	13412	46834	90300	19791	73598
13412	41864	46834	90300	19791	73598
41864	97623	46834	90300	19791	73598
97623	79774	46834	90300	19791	73598
79774	772	46834	90300	19791	73598
772	67689	46834	90300	19791	73598
67689	45315	46834	90300	19791	73598
45315	16019	46834	90300	19791	73598
16019	100716	46834	90300	19791	73598
100716	39401	46834	90300	19791	73598
39401	92284	46834	90300	19791	73598
92284	58540	46834	90300	19791	73598
58540	67691	46834	90300	19791	73598
67691	88122	46834	90300	19791	73598
88122	18511	46834	90300	19791	73598
18511	58219	46834	90300	19791	73598
58219	57674	46834	90300	19791	73598
57674	79775	46834	90300	19791	73598
79775	88422	46834	90300	19791	73598
88422	28951	46834	90300	19791	73598
28951	52425	46834	90300	19791	73598
52425	43169	46834	90300	19791	73598
43169	68589	46834	90300	19791	73598
68589	100582	46834	90300	19791	73598
100582	59222	46834	90300	19791	73598
59222	38010	46834	90300	19791	73598
38010	38870	46834	90300	19791	73598
38870	47526	46834	90300	19791	73598
47526	46484	46834	90300	19791	73598
4648					

ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
CHAULK L E 103197	CHEN K W 101923	CHEREPOV L 106530	CHESTNUT N E 10885	CHIDESTER J C 33296	CHIEFFI A 31081 41193
CHAUMET D 41066	CHEN L I 33996	CHEREPOV V T 73389	CHESTNUT D M B 19608	CHIEFFI A 41419 41471 41641	CHIEFFI A 41820 41835 41858
CHAUREY K H 70841	CHEN L S 51050 100154	CHEREPOVA N A 83210	CHETTY K C 107953	CHIELLINI P L 3545	CHIEN C C 57889 57890
CHAUSSIDON J 101694	CHEN M 59298	CHERESHNEV N A 4695	CHETTERIKOV A V 30278	CHIEN C C 57889 57890	CHIEFFI A 41419 41471 41641
CHAUTRAND L 91428	CHEN M T 78422 99846	CHERESHNYA S M 72013	CHETVERIKOV N S 77121	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHAUVEY G 63400	CHEN N K L 96875	CHEREWICK W J 57986	CHETVERIKOV N S 77121	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHAUVEY J 96264	CHEN N R 56014	CHEREZOVA T E 81675	CHIEUNG H C 54132 107132	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHAUVIN R 23782	CHEN N S 101076 106158	CHERIAN E C 58565	CHIEVAL R 65382	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
63737 73352	CHEN P 90096	CHERIF S 42984	CHIEVALDONNE F 55843	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
94511	CHEN P C 77757	CHERIYAN P V 61362	CHIEVALIER H 20612	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHAVAN A R 20233	CHEN P H 103186	CHERKASHCHENKO I 3399	CHIEVALIER Y 67035	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHAVAN I G 74856	CHEN P L 37649	CHERKASHIN A 57767	CHIEVALIER M 32817	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHAVANGA J 6609	CHEN P P 91163	CHERKASOV M 56744	CHIEVALIER J 27853	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHAVCHAVADZE E S 41187	CHEN P S 14699 91163	CHERKASOV S A 102121	CHIEVAUGEON J 41155	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHAVES L F 86809	CHEN R L 95468	CHERKASOV V A 82281	CHIEVEAEV A A 102512	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHAVES-VARGAS L F 26612	CHEN S C 70507 107491	CHERKASOV V A 96638	CHIEVELEY M 87016	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHAVEZ A 27075	CHEN S H 94833 105616	CHERKASSKII E S 21827	CHIEVET A 31547	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHAVEZ H B 77703	CHEN S M 57766	CHERKASSKY M 1452	CHIEVREL J 104980	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHAVEZ R S 60473	CHEN S Y 7452 90895	CHERKASSKY M 1452	CHIEW R M 64064	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHAWLA O P 64701	CHEN T A 51051	CHERKASSKY M 1452	CHHABRA M B 91952	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHAYANOV S K 17425	CHEN T C 48021 66260	CHERKASSKY M 1452	CHHABRA R C 13674	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHAYANTRAKEM S 79230	CHEN T F 90096	CHERKASSKY M 1452	CHHABRIA G T 11589	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHHEADLE V I 68439	CHEN T H 35553	CHERKASSKY M 1452	CHHIBBER K N 37925	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
99845	CHEN T L 100058 105103	CHERKASSKY M 1452	CHHONKAR V S 18852	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCAL W F 48017	CHEN T T 109228	CHERKASSKY M 1452	CHHOTANI D B 5626	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
100152	CHEN T W 99300	CHERKASSKY M 1452	CHHABRIA G T 11589	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCATHAM R J 54784	CHEN T Y 7453	CHERKASSKY M 1452	CHHIBBER K N 37925	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
7451	CHEN T W 99300	CHERKASSKY M 1452	CHHONKAR V S 18852	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCATHAM S G 16943	CHEN T Y 7453	CHERKASSKY M 1452	CHHOTANI D B 5626	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCATHAM E L 63454	CHEN W H 100155	CHERKASSKY M 1452	CHHABRIA G T 11589	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCBAC C 27696	CHEN Y 40170 60585	CHERKASSKY M 1452	CHHIBBER K N 37925	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCBIEB F S 71613	CHEN Y F 34236	CHERKASSKY M 1452	CHHONKAR V S 18852	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCBOTAIEV N F 65993	CHEN Y H 100253	CHERKASSKY M 1452	CHHOTANI D B 5626	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCBOTAREVA A P 12680	CHEN Y K 101469 103089	CHERKASSKY M 1452	CHHABRIA G T 11589	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCBOTAROV R S 35740	CHEN Y L 95562 106074	CHERKASSKY M 1452	CHHIBBER K N 37925	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEA ESPANA J 67118	CHEN Y M 101375	CHERKASSKY M 1452	CHHONKAR V S 18852	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
54011	CHEN Y P 80277	CHERKASSKY M 1452	CHHOTANI D B 5626	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCECHKINA N P 21899	CHEN Y S 100156	CHERKASSKY M 1452	CHHABRIA G T 11589	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEMA G S 67590	CHENA-GONZALEZ R 46124	CHERKASSKY M 1452	CHHIBBER K N 37925	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEERAN A 68440	CHENARD P F 74573	CHERKASSKY M 1452	CHHONKAR V S 18852	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCESEBROUGH D M 69822	CHENCHEV I 30876	CHERKASSKY M 1452	CHHOTANI D B 5626	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCESMAN J H 99473	CHENCHER I 30876	CHERKASSKY M 1452	CHHABRIA G T 11589	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCESTHAM R J 56249	CHENCHER I 30876	CHERKASSKY M 1452	CHHIBBER K N 37925	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEFTTEL H 24869	CHENCHER I 30876	CHERKASSKY M 1452	CHHONKAR V S 18852	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
54550	CHENCHER I 30876	CHERKASSKY M 1452	CHHOTANI D B 5626	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
61999	CHENE M 84782	CHERKASSKY M 1452	CHHABRIA G T 11589	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEIGNON M 37648	CHENERY E M 96265	CHERKASSKY M 1452	CHHIBBER K N 37925	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEISHNER G 69229	CHENERY H 108033	CHERKASSKY M 1452	CHHONKAR V S 18852	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEKANOVA N 5749	CHENERY C H 42339	CHERKASSKY M 1452	CHHOTANI D B 5626	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEKANOVA N I 79270	CHENERY J B 22250	CHERKASSKY M 1452	CHHABRIA G T 11589	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEKASIN M 54785	CHENERY P W 99608	CHERKASSKY M 1452	CHHIBBER K N 37925	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEKHOVSKAYA K 108379	CHENG C C 75917	CHERKASSKY M 1452	CHHONKAR V S 18852	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEKMAREV V A 80517	CHENG C F 66676	CHERKASSKY M 1452	CHHOTANI D B 5626	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEKURDA A I 97259	CHENG C H 105945	CHERKASSKY M 1452	CHHABRIA G T 11589	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCELDDELIN V H 1377	CHENG C M 93856	CHERKASSKY M 1452	CHHIBBER K N 37925	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
100564	CHENG C P 102665	CHERKASSKY M 1452	CHHONKAR V S 18852	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCELIBONOVA-LORER 52272	CHENG C T 33996	CHERKASSKY M 1452	CHHOTANI D B 5626	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
64709	CHENG H 27479 64941	CHERKASSKY M 1452	CHHABRIA G T 11589	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCELIIDZE L T 85756	CHENG H C 60760	CHERKASSKY M 1452	CHHIBBER K N 37925	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCELIISHCHEV A 96052	CHENG K W 34699	CHERKASSKY M 1452	CHHONKAR V S 18852	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCELKOWSKI J 2181	CHENG L 75936	CHERKASSKY M 1452	CHHOTANI D B 5626	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCELLA G 86810	CHENG L C 60773	CHERKASSKY M 1452	CHHABRIA G T 11589	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCELLAPPAH W T 33243	CHENG L K 45381	CHERKASSKY M 1452	CHHIBBER K N 37925	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCELMONSKA B 31749	CHENG L T 101640 102120	CHERKASSKY M 1452	CHHONKAR V S 18852	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
52311	CHENG M C 102305	CHERKASSKY M 1452	CHHOTANI D B 5626	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCELOBANOV N 76055	CHENG P Y 48653	CHERKASSKY M 1452	CHHABRIA G T 11589	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCELTSOVA L P 966	CHENG S C 90897	CHERKASSKY M 1452	CHHIBBER K N 37925	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
9394	CHENG S Y 90896	CHERKASSKY M 1452	CHHONKAR V S 18852	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCELVARAJAN B K 51358	CHENG T C 28298 103037	CHERKASSKY M 1452	CHHOTANI D B 5626	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEMARDIN M 64940	CHENG T H 93925	CHERKASSKY M 1452	CHHABRIA G T 11589	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
65678	CHENG T M 95563 95564	CHERKASSKY M 1452	CHHIBBER K N 37925	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEMOV V 106439	CHENG T Y 100157	CHERKASSKY M 1452	CHHONKAR V S 18852	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEMSAK J A 5134	CHENG W C 90123 98867	CHERKASSKY M 1452	CHHOTANI D B 5626	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
5176 23593	CHENG Y C 86449	CHERKASSKY M 1452	CHHABRIA G T 11589	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
63916 83823	CHENG Y L 46125	CHERKASSKY M 1452	CHHIBBER K N 37925	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEN 108243	CHENG Y S 21648	CHERKASSKY M 1452	CHHONKAR V S 18852	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEN A W C 67958	CHENG Y W 58222 58381	CHERKASSKY M 1452	CHHOTANI D B 5626	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEN C 100774	CHENIAE G M 69187	CHERKASSKY M 1452	CHHABRIA G T 11589	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEN C B 42579	CHENIKOV V M 66261	CHERKASSKY M 1452	CHHIBBER K N 37925	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEN C C 613 9593	CHENIKOV V M 66261	CHERKASSKY M 1452	CHHONKAR V S 18852	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
27109 37871	CHENNAULT W 37962	CHERKASSKY M 1452	CHHOTANI D B 5626	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
89977 89967	CHENNERY E M 49541	CHERKASSKY M 1452	CHHABRIA G T 11589	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
774 34794	CHENTSOVA N YU 37050	CHERKASSKY M 1452	CHHIBBER K N 37925	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEN C L 109227	CHENULOV V V 73138	CHERKASSKY M 1452	CHHONKAR V S 18852	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEN C M 30272 105502	47482 4779 73138	CHERKASSKY M 1452	CHHOTANI D B 5626	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEN C N 32481	CHEPIKOVA A R 78423	CHERKASSKY M 1452	CHHABRIA G T 11589	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEN C P 94730 105565	CHEPIL W S 2590 20962	CHERKASSKY M 1452	CHHIBBER K N 37925	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEN C R 56783	29650 70814 102262	CHERKASSKY M 1452	CHHONKAR V S 18852	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEN C S 33557 85572	CHEPULIS I I 13177	CHERKASSKY M 1452	CHHOTANI D B 5626	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
90968	CHEPUROV K P 103657	CHERKASSKY M 1452	CHHABRIA G T 11589	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEN C W 46152	CHER P 6110	CHERKASSKY M 1452	CHHIBBER K N 37925	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEN C Y 100153 108509	CHERBLANC G 99678	CHERKASSKY M 1452	CHHONKAR V S 18852	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEN D 68728	CHERRY J 62796	CHERKASSKY M 1452	CHHOTANI D B 5626	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
98782	CHERCHYAN-KAKHA- 8630	CHERKASSKY M 1452	CHHABRIA G T 11589	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEN D W 48019	NYAN T	CHERKASSKY M 1452	CHHIBBER K N 37925	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 41471 41641
CHCEN F C 90005	CHERCIOU-TURCU N 44155	CHERKASSKY M 1452	CHHONKAR V S 18852	CHIEFFI A 41820 41835 41858	CHIEFFI A 41419 4147



CHIOFFI V	75008	85271	CHOBANOW D	51429	CHOUDHURI H C	9713	CHRISTIAN R E	81951	CHUDOKA S	53558	
CHIORBOLI A		62184	CHOCHIEVA M M	21684		59924	CHRISTIAN R P	45440	CHUDOKA Z	45292	
CHIOREANU R		103577		21685 21686	30705	CHOUDHURI R N R	25346	CHRISTIAN V	28917	CHUDOBIECKI J	12440
CHIOSA L		31669			103025	25359 25464	25465	CHRISTIANS	24885	CHUFISTOVA O S	69292
CHIOSTRI F	10713	10714	CHOCHRANE W W	33955		27340	CHRISTIANS C J	16198	CHUGUNIN YA V	73058	
CHIPAULT J R		107708	CHODAN J	29479	CHOUDHURY A H	30091	63041 71919	104600	CHUGUNKOV YA G	12865	
CHIPLUNKAR N C		44445	CHODKIEWICZ M	21849	CHOUDHURY B	20787	CHRISTIANSSEN A T	59219	CHUGUNNIKOV N	3051	
		100875	CHODROWSKI M	31231	CHOUDHURY J C B	95584	CHRISTIANSSEN D W	9204	CHUGUNOV I G	26258	
CHIPMAN E W		384	CHODUN S	91043	CHOUDHURY J K	67816	CHRISTIANSSEN J K	24289	CHUJO A	1237	
29394 40008		100162	CHODZICKI E	91511	CHOUDHURY M K	5468	CHRISTIANSSEN J R	46079	CHUJO G	86417	
CHIPPAUX C	56015	57071	CHOE H T	28849	CHOUDHURY M N D	65014	CHRISTIANSSEN K	43342	CHUJO K	29033	
		57072	CHOE K	17854	CHOUDHURY R	34237	CHRISTIANSSEN M J	13803	CHUJO M	23594	
CHIPPENDALE F		16491	CHOHAN J S	77883		85089	13804 22159	92409	94834 94835	94985	
CHIPPENDALE G M		1578	CHOI I C S	1285	CHOUDHURY S K	60352		103659	CHUKANOV N K	84517	
		18421	CHOI R	6389	CHOUDHURY S K	100585	CHRISTIANSSEN M K	54568	CHUKAVINA A P	46835	
CHIPPERFIELD H E		73802	CHOIJLSUREN O	69344	CHOULES E A	38576	CHRISTIANSSEN M N	9714		46836	
		95402	CHOISHNER G	48565	CHOQUET P	82853	16278 69483	77509	CHUKINA A	90525	
CHIRA E	9710	21262	CHOISY M	8830	CHOUTEAU J	14752		79242	CHUKLIN S G	25964	
CHIRALEU I	44086	96200	CHOJNACKA H	56120	26336	38233	CHRISTIANSSEN R A	7656	CHUKMASOVA M A	74670	
CHIRAPPA L		10639		87169	CHOUTET A	85918	CHRISTIANSSEN W C	12479	CHUMA Y	43657	
CHIRIAC A	2399	20614	CHOJNACKI A	54114	CHOW H S	77682	CHRISTIANSSEN G	5963		53717	
	101684 101869	101904	CHOJNACKI W	102514	CHOW P C	100586	CHRISTIDES B G	59275	CHUMACHENKO I N	49993	
CHIRIAC V		40171	CHOKKANNA N G	7692	CHOW T L	61729	CHRISTIDIS B G	28574	70509	101927	
CHIRICO A N		15516	CHOLAJ H	37575	CHOW Y S	33485		28575	CHUMACHENKO V YU	4539	
CHIRIKOV F V		46563	56389 86966	86967	CHOWDARY Y B K	58223	CHRISTIE B A	51834	CHUMAK I G	25964	
CHIRIKOV YU F		69190	CHOLAKHYAN D P	47836	CHOWDHRI B L	26011	CHRISTIE B R	89315	CHUMAKOV A E	37051	
CHIRILEI H	943	944	CHOLAKOV S	50236		55580	CHRISTIE D G	72870	37203	77590	
	9711	9712	CHOLAKOVA S	62658	CHOWDHRY J	15687	CHRISTIE D W	31888	CHUMAN K	64327	
CHIRITA C D		2089	93827	104821	CHOWDHRY K K	107737	CHRISTIE G A	38899	CHUMINA O T	27878	
11176 11386		90969	CHOLEWINSKA B	80278	CHOWDHURI A N	4790	CHRISTIE G S	41751	CHUMLEY T	7705	
CHIRITA G		97149	CHOLLET M	47225		4791	42170	62489	CHUN E H L	10171	
CHIRKIN K I		50649	CHOLNOKY B J	36956	CHOWDHURI M	78657	CHRISTIE M G	22802	CHUN M T	68263	
CHIRKOV D I		32317	CHOLDOKOWSKI Z	30536	CHOWDHURY G S	55650	32237	63079	CHUN P C	107449	
CHIRKOVA T V		69070		51207	CHOWDHURY J B	9560	CHRISTMANN	94272	CHUN R Y D	102128	
CHIRKOVA-ZALESSKAYA E F		77147		53242	CHOWDHURY M S	11347	CHRISTMANN I	3440	CHUN W Y	98868	
				73303	CHOWDHURY P	26988	CHRISTODOULOU N	45358	CHUNBYAO YU	69156	
CHIRKOVSKII V I		18853	CHOLOVSKII E	39342	CHOWNING A	77148	CHRISTODOULOU N E	45649	CHUNDEROVA A I	68120	
CHIRKUNOVA A V		100927	CHOMBART DE	76322	CHOY T	6014	CHRISTOMANOS A A	82592	89382	90909	
CHIROV P A		5248	CHOMBART DE LAUWE	66760	CHOY T K	33978	CHRISTOPHE G	7750	CHUNG L	66138	
CHIRU C		29534	J		CHQUILLOFF M A G	72371	CHRISTOPHER J	93676	CHUNG P K	31102	
CHISAKA H	29144	29172	CHOMBART-DE-LAUWE	87359	CHRAPKOWSKA K	30796		104324		103787	
CHISAL VO E J		22643	CHOMIAK M	92884	CHRAPPA V	52163	CHRISTOPHER J F	40987	CHUNG S C	57889	
CHISCI G	10434	20615	CHOMIAK T W	4133	CHRELASHVILI M N	27855	51016 61277	19648	57892 57894	57895	
		101925	CHOMINOT A	86968	CHRISPEELS M J	18513	CHRISTOPHER J G	51239	CHUNG V P	15106	
CHISCI G C		29173	CHOMYSZYN M	30777	CHRIST E G	6694	CHRISTOPHERS A J	84570	CHUNG Y S	102769	
CHISHOLM H D		4933		30778	10597 25292	28788	CHRISTOPHERSEN J	69022	CHUNG-KUO-YUAN I	38935	
CHISHOLM J C		76856	CHONA B L	47073	28892 39031	39032	CHRISTOPHERSON C	43840	HSUEH HU		
CHISHOLM M		56616	CHONG P K	97306	44545 59549	90315	H	108677	CHUNDOVA V N	48026	
CHISHOLM M D		89796	CHONG SUE KHING	61728		90341	CHRISTOPHERSON V		CHUPAKHINA K G	21746	
CHISHOLM M J		35167	CHONI G P	91597	CHRIST H	11512	A		CHUPP C	67942	
		55578	CHOU S B	94224	CHRIST R A	65575	CHRISTOPOULOS C	102126	CHUPRYNIN A A	59602	
CHISHOLM R D		23101	CHOONG C H	31082	CHRIST W	41682	CHRISTY J	100026	CHURAEV N V	49659	
CHISIOGLU L		32190		61961	54539 54540	54541	CHROBOCZEK E	95705	CHURCH B M	39447	
CHISLER J A		9012	CHOONG E T	30721	65090	85330	CHROMY J	12948		76397	
CHISTYAKOV YA I		103367	CHOPARD L	23919	CHRISTEN F L	102080	CHRTEK J	27462	CHURCH D C	12866	
CHISTYAKOVA O N		68424	46549	53312	CHRISTENSEN A	945		98967	CHURCH J	107616	
CHISWELL J R		42664	73624	73856		59492	CHRUCH R J	2638	CHURCH K	43125	
		83411		93947	CHRISTENSEN B	46126	CHRUSCIEL C	62797	CHURCH R B	107649	
CHITA H		35756	CHOPART B	75375	CHRISTENSEN B W	55581	CHRYSANTHUS P	94693	CHURCH R J	2380	
CHITA Y		44544	CHOPIK V I	39593	CHRISTENSEN C M	6966	CHRYSLER M A	76991	91373	91397	
CHITAMBAR JB		27076	CHOPIN J	91735	34861 44861	48025	CHRZANOWSKA H	25589	CHURCH R J H	70708	
CHITESCU S	31292	31910	CHOPRA I C	7247		57779	CHRZANOWSKA M	77884	CHURCH T W	21182	
CHITNIS B K		79891		29421	CHRISTENSEN D E	35935		77885	CHURCHILL C	15517	
CHITTENDEN A E		40986	CHOPRA M M	7248	CHRISTENSEN E H	44039	CHRZANOWSKI A	69384	CHURCHILL F	54313	
		44844		75679	CHRISTENSEN E M	542	CHRZANOWSKI J	57893	CHURCHILL G B	105356	
CHITTENDEN E T		48024	CHOPRA R N	27481	17658 78004	89380	CHRZANOWSKI W	73939	CHURCHILL S	25452	
CHITTENDEN W J	49992	68730	CHOPRA S	17713	CHRISTENSEN E W	56967		84277	CHURCHILL V	54150	
CHIU C C	39862	95704		108913	CHRISTENSEN G	87949	CHU C	81487	CHURCHWARD H M	49848	
CHIU C C		39863	CHOPRA S L	22942	CHRISTENSEN G C	21829	CHU C C	6610	49849	70427	
CHIU C C		91163		84783		61817	CHU C H	40174		13817	
CHIU C L		100253	CHOPRA V L	37912	CHRISTENSEN H	22296	CHU C L	57890	CHURELLA H	13817	
CHIU I P		102122	CHORBA L N	1490	31519 57237	61191		57894	CHURIKOV I I	1931	
CHIU K J		102123	CHORBADZHIISKA B	38015	CHRISTENSEN H N	92008		57894		102129	
CHIU P		92121	N			92008	CHU C N	98720	CHURKIN K G	60353	
CHIU R J		18286	CHORIN M	8831	CHRISTENSEN J	103989	CHU C W	94606	CHURSKI T	2262	
CHIU S C		57768	CHORLEY W G	1827		47492	CHU C Y	44447	CHURY J	13409	
CHIU S M		28071	CHORNEY W	1827		65473	CHU H	109077		13756	
CHIU T F		28071	CHORNEY W	69124	CHRISTENSEN J F	103658	CHU H C	105505	CHUSHKOV P	51823	
CHIU W C		60428	CHORNYEI E	65265	CHRISTENSEN J J	88698	CHU H F	95388	83001	83002	
CHIU W F		40930	CHUSE S	9713	CHRISTENSEN K	51766	CHU H M	60068	CHUSUIRYU M	94608	
CHIVU I P		89379	CHOTIN M	65756		66139	CHU H P	104313	CHUT H L	22598	
CHIKOWSKI L N		32616	CHOU C C	99747	CHRISTENSEN K D	4486	CHU H T	77958	CHUTE H C	82593	
CHIZHIK I A		92111		107876		32342	CHU HSI	27582	CHUTE H L	4248	
CHIZHIKOV A G		84546	CHOU C H	102125	CHRISTENSEN L J	54494	CHU K C	109229	52228 62799	82629	
CHIZHOV V A		13316	CHOU C S	40172	CHRISTENSEN L P	68732	CHU P S	6977		93197	
		92810	CHOU H S	100874	CHRISTENSEN L R	52150	CHU S	102306	CHUZHOVA Z	24977	
CHKANIKOV D I		68692		59405	CHRISTENSEN M	67947	CHU S L	100880	CHVALA M	83971	
CHKHABERIDZE SH K		49302		50060	67941 88866	99071	CHU W H	33447	95060 95062	106017	
CHKHAIDZE D KH		101601	CHOU K C	42146	CHRISTENSEN N A	2333	CHU W Y	90301	CHVOJKA L	78427	
CHKHAIDZE V KH		101601		106055	CHRISTENSEN N H	15725	CHU Y	70728	CHWALA A	25147	
CHKONIYA M M		51550		90230	CHRISTENSEN O	54292		106531	CHWALA C	38168	
CHKUASELI T YA		38014	CHOU K T	101366	CHRISTENSEN P D	20616	CHU Y M	44472	CHWALIBOG J	62185	
		48533	CHOU K Y	7748	CHRISTENSEN P S	57916	CHU Y Y	101602	CHWALIBOG T	92159	
CHLADEK M		2073	CHOU L S	108244	CHRISTENSEN R A	45206	CHU Z C	100586	CHWASTEK M	79780	
CHLEVICKAS J		3050	CHOU M H	2896	45895 85424		CHUA S E	27856	CHWISTEK A	31274	
CHLOUPEK B		30877	CHOU P H	75973	CHRISTENSEN R P	7749	CHUAN P S	100165	CHWOJNOWSKI A	72811	
CHLOUPEK R		103454	CHOU P L	2812	66568 97708	108005	CHUANG C C	46884	CHYBA J	30722	
CHMELAR J		37553	CHOU P N	86264	CHRISTENSEN S K	24431	CHUANG H H	109077	CHYKILEWSKAYA I V	42909	
CHMELIR											

ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
CIANFERONI R-CONT 35343	CIUREA V --CONT 31892	CLARK K G 91365	CLAUSEN H 3926 4487	CLEMENTS H F 48030	ITEM 48030
CIANFONI 85659	31894 31956	CLARK K R 40802 45222	31641 32343 52531	78433	78433
CIANNI A 43106	CIURUS J 72772	CLARK K M 22778	62564 62565 93903	CLEMENTS P 99157	99157
CIANO C 77054	CIUSA W 45118 75757	CLARK L 88435	62564 62565 93903	CLEMENTS R L 55969	55969
CIAPPI D 47309	96266 96492 103188	CLARK L E 58543 87133	18855 77318	68733 69716 96689	96689
CIARAMELLO D 11145	CIUXOS N 4402	CLARK L G 101592	71227	CLEMENTS R W 21659	21659
16515	CIZ K 75930	82163	102633	51288 51289 81532	81532
CIARAVELLINI L 58224	CIZEK J 41067 63208	CLARK L R 5385	25594	CLEMONS A A 16176	16176
CIRES-VIDAE H 19136	CIZERON J 90388	23743	88700	73354	73354
CIROWSKI J 15722	CIZNAR I 74781	43055	48611	CLEMONS D 22779	22779
CIICARDI V 41420	CLAAR J R 98134	84435	58544	CLENCH H K 5500 95392	95392
CIICCARONE A 27077	CLAASSEN C E 45119	8632	56784	95393	95393
68121	92410 92411	19284 9046	69513	CLENDENING J A 98721	98721
CIGER E R 58542	CLAASSEN N 72101	CLARK M F 19284 9046	108245	CLENDENING K A 9715	9715
CIGERO L 25595 26024	CLAASSENS N A 20952	CLARK M R 19284 9046	108951	89385	89385
107709	CLABORN H V 6427	CLARK N G 9013	24510	CLENET G 101283	101283
CICOR W 90528	23127 41316	CLARK N T 82860	38281	CLEPPER H 21051 50446	50446
CICHSZ T 17945	CLABUESCH E J 86558	CLARK P 8638	41284	67526 91429	91429
CID-DIAZ J M 106434	CLAD W 21536	CLARK P H 63386	13770	CLEPPER H E 17250	17250
CIDON-DOMINGUEZ J 31545	CLAES C 76986	CLARK P J 16047	16667	CLEPP F 56079	56079
CIEGLER A 6854	CLAESSENS A M J M 62391	CLARK R 16162 32207	35981	CLERCK J D E 6265	6265
CIENCIALA M 81641	72288	63111 1828	66569	CLERCK J DE 6173	6173
CIENIEWSKI J 50105	CLAESSON O 92625	CLARK R B 1828	72512	66297 74575 75378	75378
CIFLIK J 36618	CLAESSON S 21570 50192	CLARK R D 31319 90208	32239	CLERCQ M DE 68734	68734
CIESIELSKI F 44397	53630 74111 78428	CLARK R E 29686	98107	CLERCQ R DE 83484	83484
CIESIELSKI T 34888	CLAEYS A 84751	CLARK R N 20824 24306	75800	CLERMONT J F 76253	76253
CIESLA W M 14261	CLAF 21946	24978	16490	CLERMONT L P 21711	21711
CIESLINSKI Z 69512	CLAGUE T E 90605	CLARK R R 38936 69776	72604	CLERX W A 39493 39494	39494
CIFERRI O 38525	CLAIR G 10239	84464 87093	20897	CLEUGH J 72635	72635
CIFERRI R 8557 23038	CLAIR J S 41752	CLARK R T 44349 71915	56785	CLEVE H 44846	44846
28450 46837 46954	CLAIRE A G 66185	81941 81952 81996	20964	CLEVE K 105506	105506
47074 47622 57422	CLAMPETT J B 41232	81997 82007 82012	103429	CLEVELAND H 74294	74294
59925 68264 70195	CLANCY D W 4868 14171	82036 82134 82158	88699	CLEVELAND M L 42731	42731
73059 76963 77055	CLANDININ D R 63640	CLARK R V 38019	106561	CLEVELAND R W 58372	58372
83138 98589 99573	CLANTON D C 62894	CLARK S J 105790	105797	CLEVELAND T C 23596	23596
CIFERRRI R 77886	CLAPHAM A R 26809	CLARK T B 105790	105798	CLEVINGER S 69191	69191
CIGNA A A 24908	CLAPP N K 3955	CLARK V R 13642	104216	CLEVER U 53127 105707	105707
CIHAK A 78980	CLAPP N M 5960 106510	CLARK W C 68311	68311	CLEVERLEY B 55582	55582
CIKATRICIS S 37832	108762	CLARK W E 7929	7929	77716	77716
CIKOV D K 29175	CLAPP W F 40834	CLARK W M 57341	12867	CLEVELAND T C 83288	83288
CILLEY H L 23738	CLAPPER R B 21263	CLARK W S 65042	12992 103538 103673	CLEWELL A F 36792	36792
CILICKS C J 69158	CLAPPER W E 41786	CLARK W T 13232	19727	CLICK R E 46838 58546	58546
CILLIS U DE 66140	CLAPPERTON J L 63081 97352	CLARKE A L 2100	74669	CLIFF E P 20568 40531	40531
CIMPEANU N 31475	CLARE B G 19282 99072	CLARKE C A 43247 64182	3142	CLIFFORD C 105087	105087
CIMPEANU V 103577	99073	CLARKE C H D 40463 58143	103297	CLIFFORD C M 5094	5094
CIMPIANU A 104196	CLARE J 87957	CLARKE D A 34407 74908	104225	32681 83763 83785	83785
CINAR S Z 91516	CLARE K E 49417	74951 85425 85426	28576	CLIFFORD D H 52020	52020
CINCEROVA A 48027	CLARE N T 19283 103537	106881 106995	74088	CLIFFORD D R 27099	27099
CINDEA A 62411 92224	CLARENACH F A 45957	CLARKE E 72321	106299	CLIFFORD E D 60733	60733
CINIC C 97709	CLARIDGE J H 37833	CLARKE E A 30878 48534	11378	CLIFFORD E S 40629	40629
CINOVSKIS J 52919	CLARIDGE M F 4624	83291 4625	49836	CLIFFORD H J 28623	28623
CINQ-MARKS L 77887	14788	CLARKE F C 83291 4625	53913	CLIFFORD H T 57554	57554
CINQUETTI M 6967	CLARK A B 27669 107877	CLARKE F M M 4625	33455	98870	98870
6968 23354 25590	CLARK A G 24354	CLARKE G 31934	38020	CLIFFORD J B 25128	25128
25591 55241 75376	CLARK A J 63246	CLARKE G K 94066	78429 78430	CLIFFORD P A 76960	76960
75376 75680 85090	CLARK A M 775 5441	CLARKE G M 27099 27100	92	CLIFFORD R A 36131	36131
CINTA W 39118	CLARK B E 66141 97418	CLARKE H 15221	88286	CLIFTON C M 12869	12869
CINTRIA B 3705 41502	CLARK B W 8677	CLARKE H G 93703	33075	CLIFTON C S 27365	27365
41900 41935 42101	CLARK C 45747 98497	CLARKE J 16575	48449	CLIFTON E S 53914	53914
42240	CLARK C E 4134 32028	CLARKE J D W 62557	79388	16213	16213
CIUBANU A 85272	CLARK C H 3141 3797	92776 92845 104080	42383	CLIFTON R E 25896 65792	65792
CIUBANU H 24618	3843 13700 103957	CLARKE J F G 84126	20522	CLIGNET M 44156	44156
CIUBANU I R 99993	CLARK C M 55967	95391	46128	CLIJSTERS H 65576	65576
CIUBANU N 86208	CLARK D 10715 43789	85757	31276	CLINE G W 66958	66958
CIUBANU V 70407	CLARK D C 7406 9661	80120	24061	CLINE J 48077	48077
CIUCAN C 88539	CLARK D E 32238 50445	75377	106913	CLINE M G 11387 20376	20376
CIUCOIU F 25797 97956	CLARK D S 75831	53521	51643	20447 70446	70446
103434	CLARK E W 43246 63963	55866	10535	CLINE R A 49337 47938	47938
CIUFU A 15384	86149	CLARKE S E 57331	27031	48654 58903 60354	60354
CIULACU T 20997	CLARK F 5794 37197	CLARKE S G 55866	76563	CLINE R E 23646	23646
CIOLCA N 62800	CLARK F B 71128 91565	CLARKE T J 72440	36791	CLINE T R 13676	13676
CIOMBOROWSKI A 32318	102631	CLARKE W B 55847 55943	88287	CLINTON B H 82737	82737
CIONT E 46127	15434	CLARKE W H 13675	46128	CLINTON P K S 27111	27111
CIORDIA H 104630	CLARK F E 29456	CLARKE W J 13673	31276	CLITHERO W 87134	87134
CIORLAUS A 1458	CLARK F G 109237	CLARKE W L 6920	48028	CLITHERO W A 76847	76847
CIORTEA G 103307	CLARK G C 95389	CLARKE W S 19925	53828	CLIVE P J B 61058	61058
CIOTTI A 70666	CLARK G D 34803	CLARKSON M J 13571	12182	CLOANINGER B D 108988	108988
CIPIAR M S 18702 78255	CLARK G H 8915	93198 103660	48029	CLODIUS R L 45409	45409
78256	CLARK G M 5068 63853	8431	59793	CLOET G 83084	83084
CIPENA I 21833	83763 94694	59792 61730	78431	CLOONAN M J 20476	20476
CIPERA J D 32476	95390	61732 61733	34459	CLOOSTERIN B 108550	108550
CIRCLE S J 86273	42665 82283	76899 87834	78432	CLOR M A 9716 100167	100167
CIRCO R 38076	70273	CLARKE T B 104478	27589	CLORE W J 932 6697	6697
CIREASA V 79479	53243	CLARY J J 35239	88288	48031 49108 69706	69706
CIRENEI G 17333	85383	CLASON M 30366	84784	CLOS-ARCEUDIC I C 108653	108653
CIRIACY-WANTRUP S 70801	84408	CLASSEY E W 95624	81736	G	G
V	CLARK I G 57348 10716	CLASSON S 26759	74751	CLOSE E G 6698 44540	44540
CIRIC M 39827 39828	CLARK I M 10716	CLASTRIER J 105706	74751	CLOSE P 52122 92932	92932
CIRILLO V P 100166	CLARK I T 21718 102957	105805	74751	95698	95698
CIRIMELE M 7243 45113	CLARK J 19964 73300	CLATAGIRON L E 73747	74751	CLOSE R 47484 94273	94273
45114	77510 107008	CLATANOFF N 46273	74751	CLOSS G L 19338 38528	38528
63454	38017 38018	CLAU H G 24076	74751	CLOUD H A 15077	15077
CIRONEANU I 72958 81901	3351	CLAUDEMANS C P J 25148	74751	CLOUDSLEY-THOMPS-ON J L 5069 5249	5249
CIRSTEA S 39829	CLARK J B K 20119	CLAUDET J 68351 102632	74751	32993 94632	94632
CISALE H O 52355 63078	CLARK J C 46704	CLAU G 17501 17845	74751	47722	47722
63139	CLARK J D 82178	CLAU H G 39411 59895	74751	12566	12566
CISAR M 82109	CLARK J E 38124	84409 84515 86418	74751	30879	30879
CISNEROS R R 54711	CLARK J G 44845 85920	CLAU P 73353	74751	23721	23721
CISSE B M 76117	CLARK J H 16781	CLAU P 32871 103029	74751	55968	55968
CISZEWSKI M 12653	CLARK J J 52020	CLAU SAGER A 26966	74751	75886	75886
CITA H 33611	CLARK J M 36190 74574	86559	74751	75887	75887
CITHAREL J 89384	98423				
CITU D 91786 91792	CLARK J R 26158				
102130	CLARK J S 20521 49577				
73129	90854 101709				
CIUCA M 70638	CLARK J W 13685 70883				
CIUREA G 21985 31275	CLARK K 92694				



	ITEM		ITEM		ITEM		ITEM		ITEM
CLOUTIER A	88573	COCOZZA M A	36619	COLANGHIS S--CONT	31794	COLIN-VERELA A E	11706	COLLINS W T	48037
CLOUTIER E J	43248	COCROFT R	106704	COLAS A	104983	COLINDRES R	46475	COLLIS-GEORGE N	11178
	95371	COCULESCU G	60355	COLAS G	14357	COLINET C	93253	49599 101641	101642
CLOUTIER J R	75801		91059		94839	COLINET G	93252	COLLOMB C	18087
CLOUTIER P C	104982	CODA-NUNZIANTE G	44640	COLAS-BELCOUR J	52785	COLINVAUX P A	88124	COLLSTROP R	61375
CLOW D G	103952	CODACCIONI M	18857	COLBERG C	37200		98722	COLMAN B	69192
CLOWER D F	63397		68736	COLBERG W J	52773		47075	COLMAN G P	27078
CLOWES F A L	27482	CODD L E	26845		73130	COLLADO J C	614	COLMAN R L	12887
	78101	CODD C	40886	COLBRAN R C	9720	COLLANDER R	17323	COLMAN W G	46130
CLOWES H G	6069	CODER G H	80317		99680	COLLAR J D	89221	COLMANT J M	29687
CLOYD G D	93199	CODINA-PADILLA F	105622	COLBRY V L	16380	COLLARD P	6015	COLMENARES C R	41194
CLOZA M P	47309	CODNER R C	75681	COLBURN B	59512	COLLARDET J	2813	COLMENAREZ C E	101377
CLUA-SAMPER D	22479	CODORNIU R	50841	COLBURN C R	54132	COLLART A	5136	COLMER A R	55850
CLUETT M L	94035	CODY C P	63551	COLBURN M W	54698		46550	COLOM-CONVAS G	79342
CLUFF H N	98384	CODY H E	79617	COLBY D	63383	COLLAUD M	26616	COLOMA-DEL-REAL A	46131
CLUGSTON J P	9308	CODY W J	58	COLBY S R	100170	COLLAZO J C	45554	G	
CLUTTER J L	29448	COE F W	1830	COLBY W G	75906	COLLER F W	49376	COLOMA-GARCIA J L	42384
	48838	COE G E	10718	COLDEN J	46839	COLLER R W	87352	COLOMB C	36513
CLYDE E W	87246	COE M D	17015	COLDWELL B	61302	COLLESS D H	14604	COLOMBANI B	104083
CLYDE G D	20825		46648	COLE A C	5442	14605	14700	COLOMBO E	5762
	40175	COE R R	91234	COLE A H	21675		71543	COLOMBO E G	52103
CLYMA W	102131	COELHO M A T	27952	COLE B L	83539	COLLET G	28305	COLOMBO G	3956
CLYMER R S	70196		61734	COLE C E	19735	COLLET M H	81406		32236
CLYSTERS H	100168		72707	COLE C L	41476	COLLET W E	16890	COLOMBO P	12365
CMOLIK J	25707	COELHO R	86399	COLE C L	62149	COLLETT A J	67119		102958
CO H	55085	COENE R DE	65266		72117	COLLETT C O	40496	COLOMBO S	62187
COACKLEY W	82801	COENEN J	51729	COLE C V	18858	COLLETT G C	94073		92412
COACKER T H	23039		91822	COLE D	103073		94241	COLOMER J F	76254
COACKLEY J E	79781	COENENBERG H H	43683	COLE D A	101139	COLLETT T S	14853	COLOMER-ROCHER F	19648
COACKWELL C A	95042	COETSEE C G	104596	COLE D E	12122	COLLETT W R	65502		82734
COALDRAKE J E	8560		104636	COLE D W	29480	COLLIANDER B	56535	COLONNA B	19494
COAPE-ARNOLD D A	26403	COETZEE C G	72789	COLE H	18086	COLLIAS N E	3322	COLONNA V	31396
COATES M E	104325	COETZEE F C T	72322		57750		42079	COLONNELLA F	30880
COATES R D	87739	COETZEE J	97036	COLF H H	17308	COLLIDGE P T	40395	COLOSIMO R	5971
COATNEY G R	4696	COEY W E	4460	COLF H M	75292	COLLIE J R	24387	COLOVOS N F	3503
	4697		4553	COLE I	81534	COLLIER A	23990		92288
COATS A W	86560	COFFEE R C	101710	COLE J C	4793		43504		93293
COATS G E	90606	COFFEY J D	22051	COLE J F	50237	COLLIER A E	64328	COLOWICK S P	58976
COATS N M	97101	COFFEY L C	69385	COLE J H	83927	COLLIER B	95394	COLSON E	87247
COATS P	79556	COFFEY W G	108246	COLE J R	99225	COLLIER C	75628	COLSTRANE R I	74224
COATS R E	59277	COFFIN D L	42014	COLE J S	47226	COLLIER F S	35226	COLTRIN D	38650
	69616	COFFIN L B	42381	COLE J W	12828	COLLIER J R	98598	COLUBEV I	39935
COBA-TORRES R A	41753	COFFINET R	79876		71899		13713	COLUMBO V	64592
COBB C	29890	COFFMAN F A	449	COLE K S	10621	COLLIER J W	62186	COLUMBUS A	31158
COBB E H	86174		46867	COLE L C	46498		104637		31706
COBB F W	9014	COGALNICEANU S	11231	COLE L R	5501	COLLIER J W	38866		31795
COBB G S	493	COGAN T M	74752	COLE L W	45675		38694		32344
COBB H D	1316	COGBURN R R	14230	COLE M M	9309	COLLIGNON L	59160	COLUMEAU J	71352
COBB K W	104219	COGGINS C W	9719		63386	COLLIN C W	41754	COLUST A	22600
COBB W Y	15688		39002	COLE N H	1905	COLLIN D E	3546	COLUST A D	41969
COBBETT N G	23153		55075	COLE R D	79010	COLLIN G	54980	COLUZZI G	31546
COBIA D W	15665		78521	COLE R H	29176	COLLIN G H	69953		82366
	85188	COGGINS L	41577		29257	COLLIN J E	70667	COLUZZI M	52774
COBIANCHI D	27859		63247		29380	COLLIN J E	95010	COLVARD D W	108678
COBLENTZ J	67402	COGGINS R A	6738	COLE R K	31747	COLLINE R E	65505	COLVILLE R G	54294
COBOS A	94836	COGGIOLA I M	55071	COLE W A	20538	COLLINGS D F	20933		54645
	94837	COGHLAN J	91913	COLE W W	103965	COLLINGS M L	67120	COLVILLE W L	2335
	104955	COGHLAN J P	104631	COLE W W	90970	COLLINGWOOD C A	5443		59926
COCANNOUER J A	29651	COGNEE M	9015	COLE-MORGAN J A	103965		8966		59926
COCCO E DI	56016		68122	COLEFAX A N	17304	COLLINS B	73427		70072
COCHARD J	12480	COHEE M H	45988	COLELLA C	17322	COLLINS B M	76900	COLVIN C H	85406
COCHAVY Z	21830	COHEN A	23544	COLEMAN A	109146	COLLINS C A	79557	COLVIN H W	12976
COCHET J	50601	COHEN A J	53523	COLEMAN B B	76515	COLLINS C B	109146	COLVIN J R	100598
COCHET P	40495	COHEN B J	31713	COLEMAN C H	8781		946	COLVIN L B	31895
COCHETTI A	108131	COHEN C F	104219	COLEMAN C S	86340	COLLINS C C	9718	COLVIS L L	45038
COCHRAN B J	102081	COHEN E	23648	COLEMAN F	15006	COLLINS C H	21572	COLWELL J D	10320
COCHRAN D G	23921	COHEN E P	76347	COLEMAN G E	6855	COLLINS C M	96101		11475
	53522	COHEN H L	3641	COLEMAN G S	35224	COLLINS C T	59493	COLWELL R K	21831
COCHRAN G W	42688	COHEN J	54206		41285	COLLINS D L	33363		62555
	52941	COHEN L K	83975	COLEMAN H A	103190	COLLINS D P	83540	COLWELL R N	85051
COCHRAN H L	92885	COHEN L	27032	COLEMAN J A	6540	COLLINS E A	19609		87835
CUCHARAN J H	39343	COHEN M	27032	COLEMAN J E	6012	COLLINS E R	99748	COLWELL R R	98244
	23056	COHEN M M	38999	COLEMAN J P	75682		70536	COLWELL W E	76591
	63930	COHEN N	5556	COLEMAN J W	10936		70511	COLWICK R F	53631
COCHRANE D	83842	COHEN P P	9365		42078	COLLINS G B	18772		75120
COCHRANE E	42280	COHEN-STUART J A	100630	COLEMAN L W	62687		58383	COLYER D	191992
COCHRANE E J	87740		77149	COLEMAN M H	63939	COLLINS G G	58383	COLYER D K	16782
	87741	COHER E I	14603	COLEMAN N T	13495	COLLINS G J	69393	COLZANI G	66169
COCHRANE G R	87744	COHERO-CASTILLO M	97128	COLEMAN M H	65977	COLLINS H	66169	COMAN G	28920
	65383	V M	2164	COLEMAN J P	2164	COLLINS H E	4885	COMAN S	10648
COCHRANE J C	108592	COHN N S	58225	COLEMAN J W	20443		14231	COMAR C L	41377
	946	COHN R G	80013		39691	COLLINS J	100679		84914
COCHRANE R L	48032	COHON H N	48956	COLEMAN O H	80013	COLLINS J C	100679	COMAROSCHI M	31686
COCHRANE V W	92803	COHON G T	82607	COLEMAN P H	82607		103102	COMAROVSCI G	70074
	9717	COHRS A	94070		83235	COLLINS J G	12209	COMBE I	4870
COCHRANE W W	48032	COHRS P	21014	COLEMAN R	20077	COLLINS J L	65577	COMBEN N	3145
	24312	COIC	91374		60762		79453	COMBEPINE G	10276
COIC Y	54071		18859	COLEMAN R E	10859	COLLINS J R	103966	COMBERG	95974
COID C R	58547	COIC Y	48035		38023	COLLINS K E	22626	COMBERG G	4540
COIFAN M	78434		4250	COLEMAN T H	4250	COLLINS M S	5611		15285
	19818	COIFAN M	52167		41903	COLLINS N R	178031	COMBS O A	22288
COCK A G	4027	COIFFAIT H	23597	COLEMAN V R	52270	COLLINS O R	47723	COMBS P	103661
COCKBAIN A J	4792	COIFFAIT H	23597		57770	COLLINS P	47723	COMBES G	19275
	83305		42965	COLENBRANDER V F	72115		29177		80708
COCKBAIN E G	86384		105623		72118	COLLINS P E	73131	COMBES R	67599
	86390	COIGNERAT-DEVILLERS L	26259	COLEOU J	6541	COLLINS R E	81242	COMBRET R	90272
COCKBURN M	15717		96571		54701	COLLINS R F	65505	COMBS G E	13795
COCKCROFT L U	75888	COLINEAU Y	94696	COLES B D	85064	COLLINS R J	61213		93808
COCKE J B	34523	COINTAT M	76477	COLES G C	105819	COLLINS R L	73796	COMBS G F	4066
COCKERHAM C C	27671	COJENEANU N	68737	COLES J S	49036		29178		4092
	33191		69739	COLES J V	64818	COLLINS R P	29236	COMBS G F	22525
COCKERHAM G	37424	COJOCARU C	91061	COLES L W	14093	COLLINS R V	19286		42028
	37425		97452	COLES R S	35225		43822		174254
COCKING E C	9397	COJOCARU L	96268	COLES S	48032	COLLINS S H	84719	COMBS J W	66520
	69300	COJOCARU M	62909	COLETTI E M	58744	COLLINS S M	45280	COMBS O A	17342
COCKREL D	97280	COKA F	27566	COLEY-SMITH J R	37204	COLLINS W B	104100	COMBS W	103505
COCKREFF F	32174	COKBURN W C	26532		47227		899	COME D	58548
COCKRILL W R	3143	COKE E	86811	COLHOUN E H	53131	COLLINS W C	900	COMELLI A	18360
	3144	COKE J E	26615		88701	COLLINS W E	23145	COMES R D	2061
COCKROFT B	40176	COLK M	11978	COLIC D	79272		63455	COMFORT J E	82160
COCKS P S	11474	COLAGRANDE D	24636	COLIGADO E C	72673	COLLINS W F	24980	COMFORT J W	59550
COCKSHULL K E	38144		44352	COLIGADO M C	9721	COLLINS W H	101284	COMHAIRE F	19088
	68735		96282	COLIGNERAT-DEVILLERS L	26259	COLLINS W K	9400	COMINAZZINI C	64741
COCKWILL W R	103189	COLAMARIA F	1719	COLIN J C	32254		48036		64742
COCOSILA A	90215		59159	COLIN VARELA A E	11706	COLLINS W M	93203	COMINS D M	99749
		COLANGHIS S	31152				93409	COMMAGER H S	7812

ITEM	ITEM	ITEM	ITEM	ITEM
COMMAGER H S-CONT 86596	CONVOR R C 40433	COOK B R --CONT 103968	COOPER G S 20477 108989	CORBETT M K 47844
COMMANAY J 96126	CONOCHIE J 15726	COOK C 96773	COOPER H B 47843	77888
COMMEAU J 77512	CONOLLY D 22739	COOK C D K 17659	COOPER H E 44607	CORBETT R E 91736
COMMERFORD J D 16090	CONOVER C 8916	COOK C F 86125	COOPER J 2957 31083	CORBETT U 97281
COMMON I F B 84127	CONOVER C A 58553	COOK C W 2018 19611	COOPER J B 22527 62733	CORBETTA D 12365 40988
84128 94633	CONOVER D F 58554	48812 71615 79353	56788 85744	102958
COMMON R H 4118 52222	98948	COOK D B 50842	COOPER J G 24897 34404	CORBETTA G 28552 46977
93549 104355 107830	CONOVER J T 47623	COOK D J 15727 107066	106933	47077 47838 48678
COMMONER B 9723 47478	CONRAD C E 9330	COOK D L 16613	COOPER J H 15092 51052	52834 55245 55246
78257	CONRAD C M 25149	COOK D R 23545 33040	COOPER J P 18863 37840	CORBI D 25595 26024
29599	CONRAD H R 22115 22189	COOK E D 1547 59163	58504 58558 89386	107709
COMODO N 22239 31403	31500 51730 103870	60356 70512 70662	89387	CORBIN J E 33943
COMOTTI 3278	CONRAD J 2924	COOK E F 14961 23688	COOPER J W 65474 65502	CORBINI E 15406
COMPACCI C A 99305	CONRAD J H 92945	COOK E V 67121 108912	COOPER L 82405	CORBOUD H 12183
COMPAGNUCCI M 31547	CONRAD I H 41421	COOK E W 34525	COOPER L F 108912	CORBY J P 69542
31711	CONROY E 58722	COOK F A 20523	COOPER L S 47724	CORCIONI B 31270
COMPAIRE-FERNAND-EZ C 34416	CONROY J D 13233 103967	COOK F S 69159	COOPER M M 33840 82861	CORCOBADO-ARROYO 44160
COMPERE R 51644 92160	CONROY R J 37205	COOK F W 22478 82578	COOPER M M G 100928	
103435	CONSIGLIO C 95610	COOK G A 82165 86632	COOPER P H 104255	CORCORAN C J 63084
COMPIANO F A 94177	CONSIGLIO G 5971	COOK G D 58555	COOPER P J 74739	CORCORAN J B 3638
COMPTON L E 10318	16261	COOK G S 76743	COOPER R 17660	CORCORAN L 33969
18759 19489 19549	CONSIGNY A 543 50566	COOK H C 93950	COOPER R F V 19965	CORCORAN T C 21573
38755 47895	CONSIGNY A Y 26404	COOK H H 34357	COOPER R W 12157 21347	CORCORAN T J 61442
COMPTON O C 948	CONSO P 4067 95975	COOK H R 85513	COOPER W C 1742 17946	81291
COMSA I 91787	91825 93063 103090	COOK I M 18091 83880	39012 57771 57789	CORDEIRO A R 63997
COMSTOCK J A 5502	CONSOLAZIO C F 46444	COOK J 93410	58822 100171	CORDEIRO M 88476 88477
23836 95395	CONSOLAZIO C F 46444	COOK J A 60357 91063	9018	CORDELL J T 75832
COMSTOCK J W 72069	CONSTABEL F 89798	COOK J F 18861	COOPER W S 98495	CORDELL R 40357
COMSTOCK R E 27672	CONSTABLE D H 2336	COOK J K A 72624	COOPER-VALENCIA A 76119	CORDEN M E 9006 102355
72912	CONSTABLE E F 57423	COOK J R 38529	COOPERRIDER D E 104101	CORDER G D 102940
COMSTOCK V E 57912	9401	COOK M J 55468 72548	COOPERRIDER T S 67779	CORDER S E 2966 64942
COMSTOCK W P 5503	CONSTANCE L 67774	COOK M K 51963	COORESMITH R L 67202	96269 96270
23837 64183 95396	CONSTANDE A J 85921	COOREMAN H 5887	COOREMAN H 4886 14421	CORDERO-DEL-CAMP-ILLO M 31277
CONAGIN A 15563	CONSTANDE A K 108247	COOREMAN H 340	COORTS G D 39162	CORDERO-MELO M 2545
CONAGIN C H T M 8678	CONSTANINESCO I 84436	COOVER J R 72548	COOVER J R 20557	CORDES D O 32442 41579
CONANT V 94125	CONSTANTEA C 62433	COOK R J 77801	COPANI C 45958	41755 41783 93642
CONARD E C 10476 19631	CONSTANTI Y 41288	COOK R L 2140 60545	COPE D 2934	CORDIER O 84736
CONCA R J 30706	CONSTANTIESCU G 19863	70513 101930	COPE F 20573	CORDIER E 3547 21749
CONCANNON T R J 8350	CONSTANTIN A 41578	COOK R N 29320 47076	COPE F W 11137 99849	22160 22161 31159
CONCHIE J 103191	68441	COOK S F 13926 73690	100036	CORDING J 41501 72015
CONCIE C 93926	78258	COOK T W 14623 95570	17463 25673	16056 75320
CONCIENNE E J 83321	22113	COOK V A 21299 42802	28433 29688	85823 85830
CONDAHIN M 5504	CONSTANTIN N 22113	COOK W C 22105 82098	108384	CORDOBA G R 90178
23839 23840 95397	CONSTANTINEANU M 23784	COOK W D 49170	COPE O B 13910	CURDON T C 25981 75629
CONDE B 5070	I 78436	COOK W H 72651 104421	COPE W A 777 79291	97391
CONDEI G 1786	CONSTANTINESCO D 78436	COOK W R 2989	COPELAND 45301	CORDONNIER R 74576
20619	G 105355	COOKE A R 27939 29326	COPELAND B J 100172	CORDOVA C L 56162
CONDIT I J 37651	CONSTANTINESCO E 105355	COOKE D 38024 59794	COPELAND G G 12366	CORDREY J H 56504
CONDLIFFE J B 46360	CONSTANTINESCO I 84278	COOKE E T 29180	COPELAND H F 89095	104328
CONDLIFFE J B 8294	CONSTANTINESCO M 78436	COOKE G M 85714	COPELAND H R 44440	CORDS E 1618
CONDON P 18090	CONSTANTINESCO O 105355	COOKE G W 70514	COPELAND H W 10721	11056
CONDON W J 54151	CONSTANTINESCO P 73129	COOKE J 70515	COPELAND L 87403	CORDTS H 80289
CONDREN J M 45489	CONSTANTINESCU V 105355	11232	2116	CORDTS R H 73012 82296
CONDRON C H 29179	CONSTANTINESCU A 60069	COOKE I J 54788	70810	39064
29236	CONSTANTINESCU C 3249	COOKE J B 54788	COPELAND T P 15003	CORDY C B 13718 63305
CONE C M 91710	3277 31669 103662	COOKE R C 47624 88504	COPEMAN G J F 100929	CORDY D R 57462
CONE D E 52123	CONSTANTINESCU D 37753	COOKE R G 61555	COPI C 4422	COREA M 80516
CONE J F 6401	CONSTANTINESCU E 2925	COOKE W B 11324 71581	COPI C L 4422	COREY F P 15951 65475
CONE N J 78930	14282 101611 107310	68738	COPIER H 89786	85759
CONE W W 14172	CONSTANTINESCU G 10173	COOKE W C 33252	COPI THORNE M 90607	COREY R B 2312 101723
CONEA A 49850 60240	39078 72928	COOKE-YARBOROUGH 76056	COPIUS-PEERER ROOM 84786	COREY R R 26159
CONERT H J 69387	CONSTANTINESCU N 1761	R E 19847	J W 84786	CORFIELD E G 31160
CONFORTI E 26753 98010	10598	COOKSON I C 98723	COPLEY M J 85044 85859	CORI G 82166
CONGER A D 58227	CONSTANTINESCU O 46976	COOL B R 93634	COPPOS I 93585	CORIC D 133265
CONGER B 3802	51240 61485 61488	COOLER F W 70018 85822	COPPO J H 76686 87360	CORIEL L L 12995
CONIBEAR D I 33771	71222 71473 99074	COOLEY A M 107337	87361	CORILLION R 46705
CONILL A 39931	CONSTANTINESCU S 62708	COOLEY H D 54789 76744	28451	CORKE A T K 27102
CONING C D E 54146	CONTA H 68117	COOLEY L F 108624	16615	27112 27861
CONKEY D S 34356	CONTACOS P G 4696	COOLEY L M 108624	COPPEL H C 23755 42764	39773
CONKIN R A 84785 85520	4697 83231	COOLEY M L 6542 44399	43232 94457	94483
CONKLE W H 19874	CONTANDRIOPOULOS 17580	COOLMAN F 7706 64329	95011	CORKERN R 48773
CONKLIN D G 10719	J 36695 98871	84279 86707	78337	CORKERN R S 16279
10720	CONTI G 47945 62802	COOMANS M A 66478	COPPENET 99678	CORKILL L 10435
77150	104327	COOMBE B 58792	COPPENET M 79273 34337	29181
CONKLIN H C 67040	CONTI S F 78475	COOMBS F N 32978	COPPENS R 34337	29235 30346 91557
CONKLIN H E 97896	CONTINI A 34318	COOMBS G A N 77056	COPPERSMITH R L 25900 87493	CORLAN G 7170
37089	CONTIU I 93327	COOMBS A V 91826	COPPI R 107617	CORLEY E A 3803
CONKLIN J 37088	CONTIUS H 95846	COOMBS A W 33772	COPPING A M 46551	CORLEY T E 33693 69464
CONKLIN R 64674	CONTOU P H 36508	COOMBS C W 5036 73290	CUPPOCK C E 71718	69465
CONKLIN R P 67614	CONTRAFFATTO R 16783	COOMBS K L 108768	CUPPOCK G E 64470	20415
CONLEY D 55072	CONTREA A 91839	COOMES T J 13496 97192	CUPPOCK J B M 44853	CORLU A 9327
CONN E E 69175 78931	CONTEIRAS C D 65384	COON E 72812 85379	54101 75379	CORMACK R G H 61736
CONN R 49995	CONTRERAS G J 2337	COONEY D 25166	COPPOCK J T 26760	CORNEJO R 81199
CONNELL D W 44591	CONTRERAS J G 60394	COONEY J D 25128	97710	CORNELISSE J L 91926
CONNELL J H 67536	CONTRERAS-CORONA-DO A 93951	COONEY J F 74924	COPPOCK S 5570	CORNELISSEN A M R 43927
CONNELL J T 48566	CONTRERAS-LAVERDE 108679	COONOR L J 66904	COPPOCK W A 41135	CORNELISSEN J 22205
CONNELL R 23169	G 14416	COONS G H 76961	COPPOLA G 75683	CORNELISSEN L D E 65554
CONNELL W A 14416	CONTRORAS G J 69954	COOP F A 54152	COPPOLA S 97129	CORNELIUS C E 3957
83826 94841	CONVERSE R H 1790	COOP I E 13622 42147	COQUARD J 83301	13000 41745 72174
CONNELLEY H C 19610	18287 37290 37426	COOPER A J 18862 38024	COQUARD J 83301	CORNELIUS D K 48154
CONNEMAN G J 44249	47485 95651	58556	COQUEN C 47725	CORNELIUS G L 66762
45774 85189	CONWAY A 22095	COOPER A N 101379	COQUILLAT M 8561	CORNELIUS J A 7250
CONNER C J 34524	32242	COOPER A S 44508 44509	1579	13496
CONNER D 26260	71704	65267 67523	CORASH P 84653 85384	94458
CONNER L C 16595	8813 89094	COOPER A W 80529	85385	CORNELL C N 72959
CONNER M C 82344 106603	6428	COOPER B 78573	57710	CORNER A H 22936 31278
106865	CONWAY D P 3488 71704	COOPER C D 24060	CORBEANU S 20588 20788	72960
CONNER M M 27524	CONWAY E 8813 89094	COOPER C F 544 11018	CORBEL J 102268	CORNER E J H 46840
CONNERS J D 13926	CONWAY T 10599 19753	COOPER C S 1476 27860	CORBEL J C 106075	57424 68442 77319
73690	CONWAY T F 78261	COOPER D B 92695	CORBELLINI I 76255	98872
CONNINCK G DE 68251	CONWELL J O D 70851	COOPER D C 47724	CORBERI E 80094	CORNER H H 16977
CONNOLA D P 83541	CONYERS L N 55244	COOPER D M 52153	CORBET P S 5343 14702	CORNER J J 20179
CONNOLE M D 12718	COOGLE E 49032	62688 92982	14947 23722 43344	CORNET J 82453
41865	COOK A 6578	90855	64065 64066 95125	CORNET M 38696
95827	COOK A A 776 9557	COOPER D H 36305	CORBETT D C M 37225	CORNETTE A 25532
63083	COOK A C 6780 56968	COOPER F J 65978	CORBETT E B 73062	CORNFIELD A H 2147
CONNOLLY J D 30886	85662 101378	COOPER G 25798	3441	39708 39775 80014
CONNOLLY J F 49419	COOK A H 6267 85091	COOPER G A 30531 30632	12893 103091	CORNIDES GY 30483
CONNOR H E 18514 27483	COOK A R 58977	COOPER G H 45207	7249	CORNINI M 74189
CONNOR J M 12870	COOK B J 5569	COOPER G R 67693	102924	CORNINI M G 48575
CONNOR L J 45819	COOK B R 4372 93828		107133	CORNISH E A 109118



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
CORNISH J J 53836	COSTA M 19701 94697	COULSON E J--CONT 106903	COWAN J C --CONT 97197	CRAIG D W 108594	
CORNISH W 27372	COSTA M T DA 82735	COULT D A 9689 68739	COWAN J R 66142	CRAIG F R 2020 82578	
CORNMAN J F 29182	COSTA O R DA 23113	COULTER B 68914	COWAN J W 6017 17206	CRAIG G A 21469 30245	
CORNS W G 79783	COSTA P H DA 19496	COULTER B S 20413	41960 108913	30565 87304 102855	
CORNU A 20827	38697 38698 38700	COULTER J D 109230	COWAN K M 62662	CRAIG G B 42470 43132	
CORNU J C 42229		COULTER J E 10722	COWAN R S 8680	CRAIG H B 25925 55444	
CORNUET P 47465	COSTA W 90389	COULTER M C 98724	COWAN T O 19968	CRAIG I L 89296	
CORNWELL G W 50996	COSTA YAGUE F 59050	COULTER M W 949	COWAN W A 45557 97815	CRAIG J 92413	
CORNWELL M R 6767	COSTA-BATILLORI P 52229	COULTER S T 65043	COWAN W F 35759	CRAIG J A 104987	
CORNWELL P B 106645	COSTA-ELICE A 35942	85438 96201	COWARD N 56164	CRAIG J B 98055	
CORNWELL R N 3548	COSTACHE D 20478	COULTER W H 37703	COWART L E 11023	CRAIG J W 2716	
CORPADE V 93957	COSTACHE I 59228	COULTER W K 32893	COWDEN H A 56021	CRAIG R 13954 38027	
CORPER M 24755	COSTAIN R A 4489	COUNCE E W 29739	COWELL B C 59927	73158 78259 83140	
CORRADINI C 25341	COSTAN G 20417 20620	COUNCE S J 23649	COWEN N S 62803 97282	CRAIG W F 19573 59165	
CORRADINI L 3146	COSTAN P 96233	COUNSELMAN C J 29183	COWETT E R 950 20270		
CORRAL R A 69281	COSTANTINI F 22601 87921	COUNTRYMAN C M 2866	48417 53791	CRAIG W R 18659	
CORRANDINI C 85447	31785 42119 87921	21244 81214	COWHIG J D 27080 35530	CRAIGHEAD C 93066	
CORRAO A 107710	COSTANTINI H L V 52582	67283	36066	CRAIGHEAD F C 46841	
CORREA A 41472 41502	52583 82167	COUPER C H 107908	73994	CRAIGHEAD J J 46841	
41548 42240 42320	COSTANTINI L V 41580	COUPEROT 16091	51486	CRAIGIE J S 28225	
CORREA A A 41227	COSTANTINO F 57897	COUPLAND J 8082	62283	28301 68248 89800	
CORREA D M 10412	COSTANTINO G 341	COUPLAND R T 11019	82736	CRAIGMILES J P 9558	
CORREA F A 15842	14173 43658	79845 88158 90859	86720	20829 68168 69514	
CORREA M 105114	COSTEA A 2760 102640	99951	64842	CRAIN G 67419	
CORREA O 41756	COSTEA T 62094	2230	70431	CRAIN G B 41710	
CORREA R 42035	COSTELLO D F 48813	63814	102156	CRANE L E 20842	
CORREA R R 64087	79274	18964	21708	CRAKER D L 81292	
CORREA R T 32809	COSTELLO W J 55524	COURAU J 66576	41124 57898 71431	CRALL J M 59798	
CORREA V 10436 12796 13188	COSTES C 89388 89799	COURAUT J 105260	COWLING K 16616 26761	CRALLEY E M 90006	
	COSTIGAN M 252 19967	COURCHENE W L 34504	COWLING S W 17879	106301	
	82431 101285	COURNAUD R DE 19754	COWLISHAW S J 4370	CRAM J 28411	
CORREA W M 103663	COSTILOW R N 66192	COUROT M 103416	22053	CRAM J S 87404	
CORREA-DOMINGUEZ J 93951	COSTIN A B 27820 47615	COURSEY D G 7251	8083	CRAM W H 27243	
	79934 108593	35155 44844 55165	COWPER L T 87927	CRAMAROSSA S 6103	
CORRECH J P 59317	COSTIN E 71228	55584	COX B 67265	CRAMER C L 65848	
CORREDI A 87625	COSTIN I 96947	64422	COX C B 107625 107651	CRAMER D A 22859 51977 52372 81774	
CORREIA A A D 75620	COSTIN N 2925	73063 104986	COX C J 72606	CRAMER G R 41156	
CORREIA J B 85228	COSTIN P 93652	27863 57772	COX C M 108972	CRAMER H H 42751 53018	
CORRELL D L 100589	COTE M 17406	48559 48560	COX D F 4456 13805	CRAMER K J 47614	
CORRELL D S 8679	COTE W A 21707 102655 103040	52435	82884 104751	CRAMER M J 66265	
	17661 35870	COURTEJAIRE J 17582	39163 49171	CRAMER O P 61230	
CORRELL F E 40147	COTE V 96300	COURTER J W 27050	1429 59257	CRAMOIS 57238	
CORRELL R L 18422	COTETIU V 103088	64637 64638 78438	COX E S 1832	CRAMOIS A 35467 86633	
CURKENS C 78102	COTNER M L 2019 20237	80088 90496	COX F 78439	CRAMOND R C 26762	
CURKUT D 19702	35466 59796	52584 103539	COX F R 19689 48038	CRAMP K V 49305 49987	
CURRIAS A 30752 51376 61737	COTO V D 59513 64495	COURTICE W J 30522	COX G 22351	101380	
CORRIDON G A 6174	COTOFAN V 31910	COURTIER J W 59797	COX G J 40393	CRAMPTON B 46842 70133	
CORRIDONI L 44848	COTRUFO C 34692	64639	COX G W 97736	79275	
	COTRUT M 72814	75491	COX J 86341 93201	CRAMPTON C B 29600	
CORRIN A 16020	COTTA H 75491	24812	107794	36620	
CORRIVAUT W 83847	COTTAM C 23040 27535	105420	COX J A 57750	CRAMPTON E W 15776	
CORROW H W 22290	67612	91683	COX J E 1803 26783	57373	
CORRY J A 74236	67527	102898	49851	CRAMPTON M J 70044	
CORSE J W 6761	109079	24620	82944	CRANBROOK EARL OF 94815	
CORSEUIL E 23192	COTTELEER C 32664	73563 96803	34467	CRANCER A 35152	
CORSICO G 72158	COTTEN M 59164	COURTOT Y 58529	84850	CRANDALL P C 51305	
CORSINI T 36492	COTTENIE A 70275 101711	62079	COX L M 27608	69706	
CORSTIAENSEN W P 45555	COTTER D J 27862 74237	47078	82169 88074	CRANE A H 71786	
M 45556 56163 84279	COTTER U 21779	90390	36305 54081	CRANE B K 81293	
84465 106300	COTTIERAU P 42171	101931	COX M E 33459	CRANE C S 22162	
CORTAMBERT F 82367	42241 42282 82168	104479	COX M F 104638	CRANE D 26204	
CORTES A 107252	COTTERELL R 50198	67817	COX P 19436	CRANE E 4934 32926	
CORTES I A 32818	COTTERILL D J 7349	3929	COX P L 34319	73355 73373	
CORTES P R 105708	35227 45208 66074	53524	COX R S 57899	CRANE F A 37974 68741	
CORTEZ A 104679	COTTI G 53428	44350	COX S W R 64342	CRANE F G 49089	
CORTI E F 99850	COTTIER H 92728	55685	COX T I 39459	CRANE F L 954 1347	
CORTI W R 105947	COTTIER M 24100	97264	COX W S 75193	19312 19326 38037	
CORTICELLI B 103664	COTTIER W 109082	28762	COX W T 106447	CRANE F M 26160	
	COTTON A D 98597	108566	COXEY S 14359	CRANE H H 101286	
CORTIS-JONES B 7454	COTTON F H 7395	10660	COY D O 47845	CRANE J C 37652 38319	
CORTY F L 66575	COTTON M J 23946	75161	COY F A 3804	78440	
CORUTHERS J M 8538	CUTTON R H 25708	52835	COY R M 71314	CRANE P L 38701 100766	
	COTTON R T 4887	28734	COYIER D L 47228	CRANGA J 54935	
CORVER H 58559	14232 23355 42732	67124	61511	CRANGA T 29034	
CORWIN L A 81964	52994 63673 73291	105348	68621	CRANHAM J E 52920	
COSBY H E 100930	73292 94426	88977	99497	CRANK H 66584	
COSCARON S 33145	COTTRAL G E 103696	89389	COYNER M S 68613	CRANK T H 66577	
COSCIA A 100775	103697 61249	59612	COZENS L E 54296 55709	CRANNEY J 76256	
COSCIA-PORRAZZI L 31985	COTTRELL C B 5505	37834	COZZANI C 25392 99309	CRANS W J 94075	
COSCULLUELA-CARR-ASCO J M 52179	COTTRELL C T 506367	65243	99310 99311 101473	CRANSTON D M 68317	
	COTTRELL P A 77145	106367	101474 101475 102571	CRANWELL L M 58228	
	COTTWALS A Z 84662	12166	106284 106370	CRANZ K L 82115	
COSENS E H 5977	COTY V F 101791	8016	2724	CRAPLET C 12892 41924	
CUSENZA B J 53470	COUCEIRO M L 6016	76296	4556	CRAPLET C C 13189	
COSGROVE D J 20416	COUCH C J 67122	94274	67086	51962	
	COUCH H 18086	94299	38026	4348	
COSGROVE F P 59094	COUCH H B 77666	14358	23546	CRASEMANN E 31798 81739	
COSGROVE W B 32994	COUCH J 50951	94842	83764	CRASKE J D 17217	
COSIN C 25073 75012	COUCH J N 88505	68740	60373	CRASKE J D 73803	
COSIN-ALVAREZ C 34491	COUCH J R 4068	84986	1549	CRAUFORD R Q 25596	
COSMA G 86506	4071 13495 22509	55845	8370	55248	
COSMIN D 59215 79125	COUCH J R 4068	26017	87837	CRAUWELS H 54005	
COSMO I 10661 44161	22540 31797 31895	80220	20238	CRAYEN C P 92414	
69777 74577 85788	62734 82678 91827	27079	104196	CRAYENS M E 43982	
	93064 90608	39079 41392	60070	44719	
COSOLO S 84280 84466	COUCH R W 102992	54934	1484	CRAYENS W S 13447	
COSPER H R 48448	COUCHMAN F M 54207	28358	16491	CRAYENS W W 64593	
COSSENS G G 11707	COUDEN H N 14112	45250	15007	CRAYERI R 77151 80,95	
COSSINS E A 1198	COUDRIET D L 42597	14863	85922	CRAWFORD A M 54792	
	23194 34829	64744	49964	CRAWFORD C C 16668	
COSTA A P DA 99308	COUEY H M 19497	82583	29050	CRAWFORD C S 95398	
CUSTA A S 92C7 14095	COUEY M 19498 23991	15828	66333	CRAWFORD D B 40434	
14096 14422 37432	COUFAH R 30595	67036	16022	CRAWFORD D E 26943	
	COUGAL J N 32995	9163	9716	87595	
COSTA A V R DA 85092	COUGHLIN R E 46083	COVEY W 1065	98725	CRAWFORD D J 15708	
CUSTA C L 14096	COUILBAULT G F 41581	COVI C 32240	100167	74899	
CUSTA D 27290 87745	COUILLAUD P 49119	16021	98054	CRAWFORD D M 109215	
CUSTA E W B DA 27533	COULOMB P 35758	16031	22138	CRAWFORD F M 21832	
CUSTA ELICE A 56637	COULON J 52697 52835	41874	82009	CRAWFORD F M 24219	
CUSTA F 9700	82368 94427 105333	65777	55585	CRAWFORD J 82709	
CUSTA H M A 71705	COULSON A 20828	43016	100592 107703 109253	CRAWFORD J S 87839	
72378 72379 72613	COULSON D M 84787	84654	83412	CRAWFORD L G 42446	
72967	COULSON E J 86324	COWAN J C 16284	93343	CRAWFORD L V 21832	
		45141 45181 65987			

ITEM			ITEM			ITEM			ITEM			ITEM		
CRAWFORD M	34528	81735	CRISPIN M A		28713	CROSBY N T	96804	108974	CRUM P F		1874	CUETO C		73070
CRAWFORD N R		14327	CRIST R E		86561	CROSBY R K		103436	CRUM R		76592	CUEVAS A		28691
CRAWFORD P		7707	CRISTA N	65783	72258	CROSCHEWZ Z		30279	CRUMLEY B		28577	CUEVAS C		28823
CRAWFORD R D		82534		72647	104640	CROSHAW J E		12977	CRUMLEY B B		25152	CUEVAS C C		26967
		104226	CRISTEA F	68831	70550			13074	25153	44448	69468	CUEVAS RIOS A		48815
CRAWFORD R F		51837	CRISTEA G		61962	CROSIER W F		18288	CRUMP M H		12978	CUEZVA SAMANIEGO		62944
CRAWFORD R J M		65044	CRISTEA I	12339	62188			57773	CRUMP S L		34102	J		
CRAWFOKD SIR J		16669			104895	GROSON M		96264	CRUMPACKER D W		48814	CUFODONTIS G		26754
56059	56356	87626	CRISTEA M	71616	91868	CROSS A D		89802			59166			26847
CRAWFORD W R		55846			91869	CROSS B E	27867	48535	CRUMPACKER J		42718	CUILLE J		95921
		100776	CRISTEA S	20103	85272	CROSS C		9324	CRUNDWELL A C		162	CUISANCE P		77142
CRAWFORD-SIR J		87626		85273	96560	CROSS C E	44547	101479			163	CUJO J		43861
CRAWLEY G J		13234	CRISTESCO A		73129	CROSS D F		48540	CRUZ A H DE LA		72249	CULBERSON C F		10174
CRAWLEY J C W		99851	CRISTESCU C		9901	CROSS E A		5071	CRUZ B P B	18203	99312			19287
CRAWLEY J F		93202	CRISTESCU M		104509	CROSS J E	88853	88854	CRUZ BLANCO J E		66444	CULBERSON W L		36977
CRAWLEY W E		52473	CRISTIA P J		66578			90091	DE LA			88191		88506
CRAY A S		90124	CRISTOBAL C L		36793	CROSS J K	81532	81533	CRUZ C DA C		43200	CULBERT J R		59685
CRAYTON F H		86507			36855	CROSS J M		80689	CRUZ CASTELLANOS		66194	CULBRETH R C		7527
CREA V	35494	45651	CRISTOFERI G		10601	CROSS J W		22370	F					75889
CREAN D E C		6856			27865	CROSS M W		100931	CRUZ CONDE F		67021	CULHANE D		80228
		46733	CRISTOFOLINI F		47626	CROSS P E		50239	CRUZ D DA		108386	CULL J K		102132
CREANGA D		1478	CRISTOLEANU I		104923	CROSS W E	7455	16411	CRUZ E E		65684	CULLEN J	17503	17663
CREANGA E		103307	CRITCHFIELD W B		102634		26261	28742	CRUZ L J	78369	107483			88290
CREASON K C		11645	CRITES J L		63855			59419	CRUZ M R M DA		55586	CULLEN J R	32737	52775
		102072	CRITTALL G G		54646	CROSS W H	43346	63530	CRUZ R D		68613			94077
CREASY M		19166	CRITTENDEN C R		42946			63917	CRUZ R X DA		27114	CULLEN N A	10445	44816
CREASY M T		19420	CRITTENDEN E D		91397	CROSSAN D F		47431			57900	48817	50140	104607
CRECY L DE		30178	CRITTENDEN H W		77667			99550	CRUZ W D		13237	CULLEN S C		12723
CREDE R H		98135	CRITTENDEN L B		22603	CROSSE J E	433	77668	CRUZ-BLANCO J E		66444	CULLEN T E	24355	100584
CREECH J L	1909	45989			22604			77861	DE LA			CULLEN W H		67216
		67694	CRITTENDEN W J		49420	CROSSE R		68123	CRUZ-CASTELLANOS		48957	CULLIGAN F P		49306
CREECH R G		9559	CRIVELLI G		25513	CROSSFIELD D C		24756	F			CULLINAN F P		6699
CREEK C R		64975	CRUASDALE H		77454	CROSSKEY R W		14606	CRUZ-CAY J R		65546	CULLING C F A		78103
CREEK M I		21979	CROBETT J L		3442		23651	23652	CRUZ-PEREZ L M		89391	CULLINS J A		17947
CREEK M J	22228	22229	CROCCO M		5971	CROSSLAND N O		68009	CRUZ-RIASCOS L C		36061	CULLITY M		22291
	22230	72068	CRUCE G D		32247	CROSSLEY A		45121	CRUZADO H J		10224	CULLMANN W		49174
CRFEK R D	22602	31799	CROCE G DELLA	104874		CROSSLEY D		50704	CRYER T L		6530	CULP T W	37398	38875
31800	31896	52231	CROCHET P		76576	CROSSLEY D A		14459	CRYSTAL M M		5252		48930	59406
		104256	CROCHET S L		16410			105507	5284	53314	83928	99313	101048	
CREEL G C		18644			66193	CROSSLEY E H		24981			94076	CULPIN C	6971	53792
CREEL J M	253	69955	CROCHON C		62970	CROSSLEY J L		71541	CSAGOLA F		50365		64369	95706
		100964	CROCIONI A	28624	74018	CROSSLEY J H		56593	CSAK Z	15330	64424	CULPIN S	21751	72016
CREELMAN D W		88575	CROCIEN B		9725	CROSSMON B D		76292	CSALLANY A S		4007	CULTER E J B		2591
CREFF A E		27291	CROCKEN B J		78932			45775	CSAPO I		101643	CULTRERA A		26023
CREGER C R	4071	13495			89801	CROSSWHITE W M		108385	CSAPOODY D		101067	CULTRERA R	6104	54298
		31995	CROCKER G		39164	CROTCHER W H		36193	CSAPOODY I	9310	58145			100600
CREIGHTON C S		52836	CROCKER J W		21574	ROUGH C		92696			80792	CULVER A J		25446
CREIGHTON W S		14790	CROCKER R L		58144	ROUGH I	49172	49173	CSAPOODY V		10774	CULVER C F		29846
CREMAGNANI A		35019	CROCKETT J J		36780	ROUGH W W		45990	CSASZAR J		48401	CULVER D W		74909
CREMENESCU G		90046		38822	68353	ROUSE E F		25799	CSEH A		81961	CULZONI V	31897	51487
CREMER H D	8510	109213	CROCKETT J R		41716	ROUTHER K W		66185	CSEH D		18802	CUMBERLAND K B		108248
CREMMINS B		107267		71933	72010	ROVETTI A		105820	CSEH E		47981	CUMBERLEGE P F		36794
CRENSHAW G L		22750	CROCKETT S L		106887	CROW A B	12050	50447	CSEH S	12569	61739	CUMBERLEGE V M S		36794
CREPIN P	22860	72773	CROCKETT S P		59277	CROW F R		80531	CSEH E		94275	CUMBLE		
		69616	70483		103519	CROW G B		51053	CSELKO M		7175	CUMBLE B G		9402
		46499			106278	CROW J		64423	55508	65898	65980	CUMMING B G		9726
CRESAP I K		104047	CRODEL H W		93203	CROW J F	14634	53313		86209	97136	CUMMING C N		104195
CRESCEZI A A		34163	CROFOOT L		30606	CROW K	43845	106511	CSELOTEI L	10572	40180	CUMMING I G		25154
CRESCEZI J A		95928	CROFT J	87746	87747	CROW W C	34047	43983	CSEPIINSZKY A		97816	CUMMING J A		102572
CRESCEZINI J B		104565	CROFTON G R A		79126	CROWDER J V		69402	CSEPIJES A		50843	CUMMING R B		43347
CRESPI M		31548	CROFTON H D		93637	CROWDER L V		20829	CSEPIJESI A J		102899			101287
CRESPO F		75540	CROFTS T H		82737			69536	CSEPSCHULTZ M		105513	CUMMING W W		82669
CRESPO V M		83232	CROIS D DE LA		88129	CROWDY S H	2016	39435	CSETE L	15772	16891	CUMMING R A		101287
CRESSMAN A W		23286	CROISE R	81294	881295	CROWE A D	24160	58560	66579	76257	86969	CUMMING W W		69825
		83413	CROITORU I I		61738	59551	65417	95399	CSETHNEKI A		100038	CUMMINGS B C		41757
		15287			95935	CROWE C R		46113	CSIDER L	10572	28789	CUMMINGS E C		43056
CRESSWELL E	52357	52486			98726	CROWE G		46113			48039	CUMMINGS G		82612
	93635	104639	CROIZAT L	77438	98726	CROWE L K		100037	CSIGAS MRS K		65198	CUMMINGS G A		40147
CRESSWELL G A		44734	CROLEY V A		20239	CROWE P M		64024	CSIKI L		46132	CUMMINGS I G		6611
CRESSWELL H		22442	CROMBIE B		45281	CROWE P F	7164	65912	CSIKVARY L	22733	104068	CUMMINGS J G		77537
CRETA V		21985	CROME W	33041	53175			107644			104530	CUMMINGS M W		254
CRETE P	89096	99852	CROMER D A N		91566	CROME S		8064	CSIRE L	42242	65893			99158
CRETE R	8960	88655	CROMMENTUYN A		25730	CROME T J	83414	105948		82913	93765	CUMMINGS R B		4135
CRETENET S	69467	100976	25731	25733	65683	CROWELL D		79481	CSISZAR J		94678	CUMMINS C S		47451
CRETSCHEMAR M		5021	CROMPTON C W		58351	CROWELL E A		96271	CSISZAR V	13190	81740	CUMMINS D E		66905
	53097	100909	CROMPTON D W T		104329	CROWELL G C		9268	CSIZMAZIA J		39080			87180
CRETTENAND J		45606	CROMWELL B T		69194			53810			101206	CUMMINS II G		69514
		56215	CRONAN J M		37052	CROWELL L K		108769	CSOKA S	52585	63248	CUMMINS G B		80281
CRETU A		69581	CRONAN M L		57074	CROWELL R M		53176		93766	104846			8862
CRETU R		97522	CRONAU F	43641	43642	CRUWHURST B		74857	CSOMOS Z		92626	CUMMINS K W		88537
CREUTZ		87922	CRONAU W		23993			74925	CSONGRADY MRS M		90610			53577
CREUTZBURG		38965	CRONE H D		23650	CROWLE W L		28625	CSONGKARETI MRS K		91420	CUMONT G		95611
CREUTZIGER C M		46774	CRONIN C H		8371	CROWLEY J P		13677	CSONTOS L	22803	51838	CUNANAN C		107598
CREVEAUX-BOURGEAT		93636	CRONIN E H	10138	101476	CROWN H F		45991			104046	CUNANAN C		50523
J			CRONKRIGHT C S		109146	CROWSON R A		5137	CSORBA Z	18092	27115	CUNAT P	58118	58720
CREVELING K H		98056	CRONQUIST A		17583			33082			68084			65615
CREVELING R K		19361		17662	98827	CROWTHER P C		97192	CSORI J	11951	21122	CUNAT-BROSETA P		485
CREWE W	4372	5233	CRONSHAW J		99853	CROWTHER R E		81074	CSUKAS L		64450			6858
	14076	14077	CROCKEWEIT J A		29894	CROWTHER R W		13497	CSUROS S		48885	CUNHA E A DA S		100777
CREWS D L		71594	CROCKEWEIT J H		29481		22605	72607	CSUTI E		18093	CUNHA M F DA		105554
CREWS F		98262	38028	39692	40179	CROXALL H E		68124	CUADRA G A		104330	CUNHA R A		21980
CREWS J F		7686	CROOKES M		36940	CRUIZE H J		53466	CUATRECASAS J		98873	CUNHA T J	3353	3949
CREWS J W	49005	101089	CROOKES M W		77426	CROZIER J A		37206	CUBADDA R		79127	3950	22405	34974
CREWTHER W G		34529	CROOKS P		27390	CROZIER R		81190	CUBANES V		33694	41422	51731	51732
34530	34531	34532	CROOKS H		20657	CRUCQ J	24161	43423	CUBONI E		31670	62078	63168	71990
CRHA A J		13409	CROOKSHANKS A W		72743	CRUEN R W		53561	CUBONI E		31670	72017	81989	92161
CRICHTON J A		103540	CROON I	21575	30707	CRUWSS W V	6857	24621	CUCA G M		104257	92187	103536	103565
CRICHTON M I		43345	61346	61443	61444			70824	CUCA M		93067	104588	107560	107561
CRICHTON V		32996	61552	91720				85276	CUCCHETTI S R		21947			71087
CRIDDLE W D		20830	CROPLEY R	37471	68287	CRUFT E F		70276	CUCCHI N J A		4844	CUNIA T		71087
20895	80511	80530	77899	77899	77921	CRUGER F M		6						



	ITEM		ITEM		ITEM		ITEM		ITEM		
CUNNINGHAM F E	45208	CURTIS J O	64638	64639	CZARNOWSKI A	62189	DAEVA O V	58561	DALE H M	57482	99750
--CONT	50945	CURTIS K		15690	CZARNOWSKI M S	91567	DAFERT F W	79884	DALE J E		38029
	66074	CURTIS K J		70710	CZECH F P	83233	DAFIS S	19002	DALE J L	38861	42582
CUNNINGHAM F L	97652	CURTIS L C		94078	CZECH J	51085		71129			47079
CUNNINGHAM F M	43562	CURTIS N S		85114	CZECZOWICZ A	53632	DAFNI I		DALE M E		29652
	64425	CURTIS P B		107101		75938	DAFT F S		DALE M R M		30585
CUNNINGHAM G H	46537	CURTIS R		11033	CZECZUGA B	28281	DAFT L M		DALE P S		14509
CUNNINGHAM H B	53386	CURTIS R A		62604	CZEISLER G	75031	DAFT M J		DALE R F		78442
CUNNINGHAM H G	37993	CURTIS R F		88901	CZEISLER G		DAFTSIOS A C		DALE R N		103666
CUNNINGHAM H H	6938	CURTIS R G		52022	CZEKALA A	31549	DAGA M		DALE W E	13927	15386
	16064	CURTIS R O	71088	79935	CZEKALA Z	92697	DAGA-ESCRIBANO M				23128
CUNNINGHAM H M	31204	CURTIS R W	38496	48650	CZEKALINSKA M	52307	DAGAEV M M		DALELA G G		58229
	31898			59013	CZEKALSKI A	1240	DAGAN G		DALENIUS P		23547
	82095			25673		50239	DAGG M	50208	DALES R		36130
		CURTIS W C		1834	CZELL A	70428		79333	DALESKI E J		71508
CUNNINGHAM I J	101957	CURTIS W J		5037	CZERATZKI W	40118			DALETSAYA T V		27869
CUNNINGHAM J M M	41233	CURTIS W P		27597	CZEREMSKI K	82914	DAGHETTA A		DALETSKAYA T V		48304
CUNNINGHAM L C	6332	CURTIS W R	20831	31152	CZERESKY K	30484	DAGNELIE P		DALEY R M	21470	81191
	7930	CURTO G		41423	CZERNEY P	11330	DAGRADA A		DALGARN A C		63148
CUNNINGHAM M	98351	CURTO G M	31280	71902	CZERNIEJEWSKI C P	55250	DAGYS J H				63309
CUNNINGHAM M D	26902	CURWEN D		75323	CZERNIEWSKA M	85514	DAHAMA O P		DALISAY A M		108250
	62080	CURY R		32927	CZERNIEWSKI K	36600	DAHEIM H	8084	DALKIEWICZ-BARAN-		89098
CUNNINGHAM N F	32241	CURYLO T	49999	50073	CZERNIENSKI K	69195			OWSKA H	89396	89397
	72862	CURZI A		31084	CZERNIK C A	67512	DAHIYA R S		DALL J		3930
CUNNINGHAM N L	104733	CUSCIANNA N		4876	CZERNY A	107075	DAHL A		DALLAS M S J		16271
CUNNINGHAM R K	11138			42581	CZERNY I	107075	DAHL D		DALLAVALLE Q F		108451
	27868	CUSHCHIN M F		90344	CZERWINKA W	10437	DAHL E		DALLEINNE E		36062
	78664	CUSHING C E		68354	CZERWINSKI K	49734	DAHL O	7117	DALLEMAGNE-BERTH-		99854
CUNNINGHAM S	19969	CUSICK E F		84655	CZERWINSKI J	95911	DAHL P		ELOT J		
CUNNINGHAM T	26543	CUSIN		50567	CZERWINSKI M	49689	DAHL P P		DALLEUX H J		108596
CUNNINGHAM V D	14506	CUSSANS G W		39449	CZERWINSKI Z	10909	DAHLBERG A C	8456	DALLMORE D C		1835
CUNNINGHAM W A	90611		39450	70078	CZERWONIEC Z	79732	DAHLBERG G	8456	DALLMANN F		86971
	97037	CUSSAN G		10321	CZIMBER GY	48042	DAHLE L K	6972	DALLOLIO G	68444	68744
CUNNINGHAM W C	84849	CUSSET G	18642	47802	CZIRAKY I	23986	DAHLE L K				89398
	85911	CUSTER J H		65099	CZOK A	35176	DAHLGREN B E		DALLYN S L	29115	29184
CUNNINGHAM W J	29312	CUTA J		22224	CZOMBA L	60550	DAHLGREN G	14507		29338	101933
CUNNINGHAM W L	55225	CUTAJA A J		75595	CZOPKE M	89394	DAHLGREN R	93	DALMASSO G	19865	39081
	55249	CUTAK L		19970	CZUBA P	76594			44162	49015	52922
CUNNINGHAM W P	27484	CUTHBERT F P		52836	CZUBA R	49690	DAHLING R		54408	54409	54936
CUNY L	108625		63918	73224	CZUBA S	20622	DAHLKVIK A		54981	56126	56391
CUPAK M	62483	CUTHBERTSON D P		73225		80283	2339	2340	59613	64943	64944
CUPERLOVIC K	4416		21752	54091	CZUBA S	64595			101932	68745	69779
CUPPERLY M	108819		103092	103193	CZUBINSKI Z	36946	DAHLMAN D L		105821	74578	74579
CUPPERS P T	22163		106539	108946	CZULAK J	67560	DAHLSTEN D L		53429	76963	77077
CUQ P	21995	CUTHBERTSON E G		11020	CZUPPON L	42127	DAHLSTROM D A		66201	80533	85094
				90612	CZYGAN F C	58978	DAHLSTROM R V		37494	101207	105261
CURBERA G G	41069			5971	CZYNCZYK A	89395			106783	106784	106785
CURCA M	40153	CUTINO M		23041	CZYSEWSKA S	69196	DAHME H P	12367	16154	108820	190980
CURDA D	75203	CUTKOMP L K		73093	CZYI	85915	DAHME K		42464		19288
CURDA K	104258			89097	CZYI	86087	DAHME P A		32665	DALOCSA G	3000
CURDOVA M	24511	CUTLER D F		8007	CZYI Z	77891	DAHME E J	3805	22079	21052	61577
	74483	CUTLER E J B		48041	CZYI Z	79653	DAHME K		16671	DALOU M	38530
CURD G *		CUTLER H G		32819	CZYI Z	77891	DAHME W		65907	DALPETHADO M E	10724
CURELIARIU N	24241	CUTRIGHT C R		73253	CZYI Z	27117	DAHME W G	30367	60974	28953	101288
CURELIARIU P	24241		42385	42666	CZYI Z	99316	DAHME W G		6973	DALRYMPLE D G	34164
CURELIARIU P	22899			73534			DAHME W G		6973	DALRYMPLE D M	55030
CURIC R	2471	CUTTANO M C		80282					6973		34727
CURL A L	25348			87572					6973		77513
CURL E A	17948	CUTTER E G	951	47726					6973	DALRYMPLE J A	107562
CURLANIS B	3052			68443					6973	DALRYMPLE-CHAMPN-	6364
CURLEE D	8917	CUTTER R K		19971	DA-COSTA E W B	51129	DAHNE D		6569	EYS SIR W	
	9209	CUTTING C L		54072	DAALAN N VAN	94512	DAHNE M		66381	DALSBOETTEN R	83675
	11708	CUTTING N J		65902	DABAGH M A AL	62490	DAHSE F		14098	DALTON D C	22463
	52921	CUTTS N A	63738	83603		104331	DAI P T	14097	94276	DALTON F L	34534
	69778			107542	DABBS D H	10910	DAIBER C C		107115	DALTON J D	58563
	99574			108171	DABCZEWSKI Z S	82170			74388	DALTON R G	3958
CURLEY R D	30064	CUTURIC S		72166	DABIDYAN G G	89402	DAIGLE D J		67530		72159
CURLEY R G	43619	CUVELIER G		54793	DABIN B	70426	DAILEY E	25067	88463	DALUM T P	103541
	96060	CUYPERS Y		104397	DABIR B N	59276	DAILY F K		88464	DALY G T	38030
CURMAN J	43767	CUZ R D DA		26618	DABKEVICIUS V	51928	DAILY W A		19972	DALY J M	37208
CURME J H	58214	CUZIN J		89393	DABRAL B G	50971	DAIN N E		27023	DALY P J	42173
CURNOW R N	779	CYZONI M T		77669	DABRAL S N	40541	DAINES R H		37047	DALY R	84752
CURNUTT J H	7641	CVASNI D	19847	19864	DABROWSKA D	16476			47488	DALY R F	16530
CURRAN E	7693	CYBULKO B		7131		66255			88611		56018
CURRAN E J	2410	CYBULSKA H		107074	DABROWSKI A	86501	DAINTY J	38480	48044		45440
CURRAN H R	54097	CYMOREK S		94843	DABROWSKI C	16476		48045	48046	DALY R J	84752
CURRAN S	72335	CYPRESS		71089		66255	DAIVDSOON E		48183	DAM B VAN	27196
CURRER-BRIGGS R A	52021	CYPRICH M		76054	DABROWSKI J	9729	DAIVS D H S		42743	DAM J G C VAN	59459
CURREY J K	103969	CYROT J		3665		55959	DAJOZ R	42967	53430	DAM R	76849
CURRIE E A	26763	CYSEWSKI S J		98985	DABROWSKI J	54006		73304	94844	DAMAGNEZ J	18864
CURRIE G T	45133	CYUNEL E		60920		105949	DAKERS J S		69664	DAMANSKI A F	28066
CURRIE J D	72775	CYWINSKI K		72018	DABROWSKI K	45776	DAKHAKHNY M		45132	DAMARY A EL H EL	91090
CURRIE J E	33102	CYWINSKI T		20621	DABROWSKI P	65386	DAKHAKHNY M EL		97193	DAMASCHKE K	14500
CURRIE L W	34064	CZABAJSKI T		70516	DABROWSKI T	87171	DAKHAKHNY N V		86970		64273
CURRIE N	43348			99499	DABROWSKI W	16199	DAKHORE R C		100176	DAMASCHUN G	94717
CURRIE P D	51448	CZABATOR F J		57241		27540	DAKIN G		65269	DAMASKA J	20524
CURRIER R A	12340	CZAJA		44592	DABULEANU M	8513	DAKIN J C		85715	DAMASKINA A S	29730
	91690	CZAJA A T	33985	44592	DABULLA A	91065	DAKSHINAMURTI V		68195	DAMASSA A H	22588
CURRIN R E	37502	CZAJA A TH	44593	85923	DABURON H	21334	DAKSHNI K M M		137	DAMATHY J EL	78443
CURRO P	71573	CZAJKA M		33042	DACHS W	100778	DAL F W VAN		25598	DAMATY A EL	101721
CURRUTHERS A	7456	CZAJKA W		27464	DACHSEL H	98547	DAL-PRATO A		18182	DAMATY A EL H EL	90979
CURRY A B	96063	CZAJKOWSKA J		104214	DACK G M	43906	DALAL J L	18703	39932		91081
CURRY N H	5637	CZAJKOWSKI A		16670	DACRES W G	12569					101953
CURRY R B	29895	CZAJKOWSKI S		108387	DACZKOWSKI W	55251	DALAL L		48942	DAMBACH C A	91018
	70468			32440			DALAL S S		19690	DAMBOLDT J	36896
CURRY W L	64451	CZAJKOWSKI Z		12871	DADABAEV M SH	29956	DALAL V B	48357	55194	DAME	53319
CURRY W T	71452	CZAKO J	3354	51733	DADANT M G	107543		85877	96903	DAME D A	32721
CURTAT C E	83658		31085	31495	DADANT R	18094	DALAS M		70641	DAMEN VAN HAPERT	67433
CURTH P	9727		53915	62081	DADASHEV E N	24622	DALBERG P M		7837		
	53693		82043	92162	DADD C	56908			65252		
CURTICAPEANU G	486	CZANINSKI Y		37653	DADD C V	47229	DALBRO K	60814	80727	DAMEROW G	96572
	943	CZAPIK R	9403	9404	DADD R H	33270	DALBRO S		58562	DAMIAN L	11656
CURTIN L V	64593	CZAPKE K	97498	97529		33271	DALBY G W		34863	DAMIANO A	4845
CURTIN T M	13806	CZAPLAK T	34358	34975	DADSWELL H E	103064			77815	DAMIANO S	35089
CURTIS B C	1473		65199	72325			DALE A C	3025	4174	DAMIRGI S M	60191
CURTIS C E	75402		72019	82314	DADYKIN V P	78933	DALE D G	22942	103245	DAMISCH W	952
CURTIS C I	95171		75009	82314	DAELE E VAN	83484	DALE E E		88125	DAMM E	46852
CURTIS E J C	15733	CZAPLICKI E		32980	DAELEMAN J	53916	DALE F A		40835	DAMM H	96573
CURTIS E M	541	CZAPLICKI T		24221	DAEMS W T	83929	DALE H E	42033	103991	DAMM B	103914
CURTIS F H	81044			27116	DAENICHEVA V A	97453				DAMMAN B	19499
CURTIS G J	56137	CZAPLINSKA S		100175	DAEPP H U	44684				DAMMANN H J	5735
CURTIS G G	89392		99315	82594	DAESCU T	28920					90282
CURTIS H P	66479	CZAPLINSKI B		33520	DAESIE R F	33227					90323
CURTIS J	84225	CZARNECKI E		47756							
CURTIS J J	100190	CZARNOTA K									

ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
DAMMANN N 27124 87406	DANLEY R A 36064 97631	DARROW R A --CONT 101512	DAUGERTS R --CONT 31162	DAVIDSON O W--CONT 64640			
DAMME D VAN 107134 2521	DANN P R 2521	DARROW W H 44548	DAUGHERTY D M 23548	DAVIDSON P A S 51488			
DAMME M VAN 44163	DANNATT N 12051	DARSIE R F 52772	DAUGHERTY F C 31163	DAVIDSON R H 32770			
DAMMER S 30683	DANNECKER K 81102	DART P J 2191 29535	31164 31165 31283	31774			
DAMMERS J 4490 82044	DANNEEL M 65086	29536 60192	51735 51736 81774	33075			
DAMNJANOVIC Z B 82915	DANNEEL R 52154	DARWIN C 27458 99204	92290	DAVIDSON R L 69515			
DAMPOISEAU R 86708	DANNEEL U 48050	DARY M 52776 52777	8	DAVIDSON R W 3717			
5139 5140 5141	DANNEFMAN H 84656	DAS A 81520	33452	DAVIDSON T J 80015			
14510 42968 94845	DANNENBERG H D 103915	DAS A C 11326 11327	11328	DAVIDSON T M W 37424			
82283 103689	103424	46693	9269	37425			
DAMP P 10725	DANNER M J 35034 35047	DAS B 108859	88901	450			
DAMS T 8085	96824	DAS B L 45992	94281	2048			
DAMS T J 7752	75958	DAS B N 48103	75195	DAVIDSON W A 55254			
DAMSTEDT J 107324	DANNER P 75958	DAS C O 65579	108006	DAVIDSON W H 12071			
DAMSTEEGT V D 37835	DANNESKIOLD-SAMS-DE C 37835	DAS C R 27137 36957	18423	DAVIDSON W M 95506			
DAMYANOV K 108055	DANON D 3570	47490	15773	37054			
DAMYANOVA L 84788	DANON M 105624	DAS D C 26235 44087	58566	101382			
DAMYANOVA S 44568	DANOS B 90778	DAS D K 25845 25846	58567	92292			
DAN J 11388	DANOV D 103437	DAS D N 93638	55253	DAVIDYAN G J 48052			
DAN S 103639	DANOV G A 20832	DAS D R 27267 27909	56790	DAVIES A C 7252			
DANA E L 23973	DANUVA D 88878	DAS G M 4846 14174	107269	DAVIES A G 2674			
DANA M N 11102 70079	DANSERCOER W 29482	14175 33305 42583	64957	DAVIES A G C 64641			
DANA S T 17343 102397	DANSEREAU P 27390	DAS G N 9049	6434	46274			
DANAIOV J 13664 82802	DANSEREAU P 27390	DAS H K 78934 100177	105421	DAVIES B L 45262			
DANASOURY M S 22141	58146	DAS J M 26755	99575	DAVIES D 13612			
DANBARA H 15381 107641	DANSIZER C J 6662	DAS K 9560	12980	DAVID D 89803			
DANCAU B 18865 91235	25235	DAS K C 80618	58981	DAVIDS D G 45559			
DANCEA I 72285	DANSMANN 3319 72674	DAS K M 104047	8210	DAVIDS D M 5337			
DANCER J 48048 68746	DANSMANN H 45039 65853	DAS M S 3553 31954	39934	43093 49478 95039			
78444 89399	65854 74489	42019 43955 62862	45652	18516 19704			
DANCHENKO B 87840	DANTAS B 64945	DAS N 100178	76054	DAVIES E B 50140			
DANCKWERTS R F 56138	DANTAS V A 64945	DAS N B 48591 48625	109216	DAVIES E J 33846			
DANCOURT J P 52308	DANTUMA G 59167 69388	96934 100176	24541	DAVIES E T 16618			
DANDAROVA-VASATK-OVA M 91764	69389 99699	DAS N C 20303	42284	DAVIES F F 59168			
DANDEU J P 91906	DANTZMAN C L 2264	DAS N K 18515	52662	DAVIES G 122356			
DANDO W A 16092 16093	DANY Y K 605	DAS N M 5414	97283	16821			
25599 25600	DANYLENKO I A 86972	DAS N P 99437	46553	DAVIES G D 4310			
DANDY J E 67820	DANYLEVYCH S YU 15140	DAS R 11637 40097	51781	DAVIES G E 103068			
DANE C W 40397	73940	69660 101094	51831	DAVIES G W 79208			
DANE K 7950	DANZ J W 42524 104125	59360 100932	7931	52390 93572			
DANELL H 76121	DANZ W 91397	DAS R B 18852	93433	93609			
DANELL N 1550 100877	DAO F 27118 57782	DAS R C 14174 27564	43314	DAVIES J 4698			
DANESCU A 10728	77892	DAS S C 14174 27564	6409	DAVIES J C 32820 63674			
DANFORS E 70241 101644	DAODU H S 88415	DAS S R 14660	52837	83292 94277 105189			
101645 101681	DAPIC D 60830	DASANANDA S 38702	83288	DAVIES J L 6613 25155			
DANFORTH D 85515	DARAB K 49600 50240	DASARADHI T B 9992	12981	54570 57425			
DANFORTH W F 69261	60588 70345	DASBERG S 11514 70668	38032	5254 13999			
69262 100198	DARAGAN-SUSCHORA A YU 68748	DASCALU A 89400	26161	33992			
DANGARWALA R T 39933	DARAGAN-SUSCHOVA A YU 68758	DASCALU D 84558	23602	DAVIES M E 38531			
DANGEARD P 47727 88978	DARBY F 90613	DASCHINGER M 108066	63922 105950	DAVIES R E 3149 4171			
DANGERFIELD S 31634	DARBY J F 84584	DASGUPTA H K 89109	5506	DAVIES R G 43349 84031			
52064 92768	DARBY W J 46500 54136	DASGUPTA S 85576	84282	DAVIES S F M 22606			
DANGUY R 83485 105263	98382	DASH N K 26085	69133	22685			
DANHARA H 31281	DARBYSHIRE J H 3551	DASHKEEVA K N 37762	239	21754			
DANHART W 39166 69826	3552 41291 62191	DASHKEEVA V 59448	1253 73626	DAVIES T G 32749 47588			
DANICKOVA H 25941	72161 62191	DASHKEEVA V 59448	6870	DAVIES W 39453 101517			
DANIEL A F 89428	DARCEL C LE Q 4123	DASHKEEVA V 59448	26127	DAVIES W A 61303			
DANIEL D L 28578 52354	13481 13698 52260	DASHKEEVA V 59448	105950	DAVIES W E 48818 68265			
DANIEL E R 84744	DARCHEN R 42803 83600	DASHKEEVA V 59448	76259	89403 90125			
DANIEL J C 63001	83631 95297	DASKALOFF C 59799	26534	DAVIES W M 49916			
DANIEL J M 2648	DARDENNE G 77654 77754	DASKALOV KH 29036 69956	97038	DAVILA E 57902			
DANIEL J W 99855	77767	101381 109154	29185	DAVILA-GUZMAN E 47231			
DANIEL L 68622	DARDER A 96907	DASKALOV P 31273	89401	DAVILA A 6144			
DANIEL M 63856	DARDIRI A H 104825	DASKALOV P KH 44594	77247	DAVILA A A 45993 45994			
DANIEL D G 51963	DARDZONOV T 3262	DASKALOV S 101088	28954	DAVILA A B 107954 107955			
DANIEL P M 42172 52421	DARDZHONOV T 104826	DASLER A R 108940	27871	DAVILA A K 17141			
DANIEL R 101289	DARGANOV S 10043 3262	DASLER W 38311	15141	DAVILA A L 25632 25603			
DANIEL R S 76688	DARGANOV S 10043 3262	DASLMANN R F 56675	48689	46361 55255 86275			
DANIEL V A 17219 25464	DARGE R C 108388	DASLET G 72380	18199	97194 106540			
76886	DARGIEWICZ H 10726	DASQUE G 61741	24447	1686 44854			
DANIEL W H 49175 49421	DARGIS V 43750	DASS A S 11837	55623 74326	101245			
70080 78559	DARIE P 61975	DASS B K 105670 105671	106188	DAVIES B 55097			
DANIELE M 87249	DARIEV A S 76258	DASSAT P 3355 32175	71415	DAVIES B H 7350 55097			
DANIEL R E 29623	DARIN-DRABKIN H 34864	DASSLER H G 12143	30368	55722 97284			
DANIELLI J F 13994	DARKANBAEV T B 68744	12429	9405	97282			
DANIELOVA V 105791	DARKEN M A 189	DASTAGIR A A 8918	11477	16944			
67695	DARKER G D 17880 99317	DASTAGIR N G 11179	11478	72532			
DANIELS A G H 93068	45359	101382	11481	29186			
DANIELS B R 100590	DARKS F R 59240	20497 20498	11482	34455			
DANIELS D G H 23994	DARLING B M 58147	DASTE P 20497 20498	11633	105328			
DANIELS E M 88703	DARLING F F 78007	DASTOOR C D 96341	11480	DAVID C L 21813 61637			
DANIELS J 48049 98263	DARLING H 17342	DASTUR R H 36502 57901	49176	DAVID C O 55996			
DANIELS J H M 13318	DARLING H M 20120	DASZKIEWICZ A 85789	2522	DAVID C S 83434			
DANIELS J M 49631	DARLING H M 47571	DASZKOWSKI J 72753	71090	DAVID C W 8919 55838			
DANIELS N E 14423	DARLING H S 57379	DATAR B N 35529	36364	55847 55943			
53387 58564	DARLING S F 1396	DATAR D S 97217	22292	35229 35230			
DANIELS N W R 44853	28360 81525	DATE R A 2192 49806	103438	37207 47232 97285			
DANIELSON L L 20247	DARLING T 88126	DATH M T 18495	42294	104480 107795			
29128 49293 70081	DARLING W M 46706	DATSUYUK N M 90914	32666	DAVID D A 74458			
DANIELSON R E 100224	DARLINGTON C D 37654	DATT N S 31691 42283	92291	DAVIDS W 62083 92291			
DANIELYAN A KH 27485	63814	DATTA I C 13636 13678	52923	DAVIDSON A 33371 52923			
DANIELYAN R 16784	DARLINGTON H 52961	13728 42124	75080	DAVIDSON A N 75080			
DANILEICHENKO A V 83599	DARLOT A 50241	DATTA N P 11233 11476	45411	DAVIDSON B R 45411			
DANILENKO I A 76957	DARLOT M 29896	29483 49765	6410	DAVIDSON D R 6410			
DANILENKO I A 3733	DARMER G 78008	DATTA P C 11476	34359	DAVIDSON D T 101675			
DANILENKO N M 64381	DARMI F 106456	DATTA R M 27585	21675	DAVIDSON D W 27392			
DANILEVSKII V M 104823	DARNE A 52023	58230 68445	67821	DAVIDSON D W 67821			
9407	DARNELL A W 101290	DATTA S C 27870	104988	DAVIDSON G 42386 104988			
DANILINA A N 101739	DARNIS J 6072	DATTA S P 3554 12797	70518	DAVIDSON H 70518			
DANILIUC D 101739	DARNOZ W 25965	12979 22164	93720	DAVIDSON H R 93720			
DANILKO M A 73356	DARR R A 56080	DATTA Y P 55649	97039	DAVIDSON J 3053 82551			
DANILOV E P 62568	DARRA B L 39693	41206 72921	100541	100541 104259			
DANILOV S N 21698	DARRAH L B 35228 31282	DATTILO M 4206 72921	4075	DAVIDSON J A 4075			
DANILOVA M F 89099	DARRAS A 25906	DATUADZE O V 70517	55725	DAVIDSON J M 20377			
68747	DARRASPER E 67529 72160	34535 85577	76260	DAVIDSON J R 76260			
102133	85663	DAUBENMIRE R 2193	108112	DAVIDSON L G 48958			
DANJARD J C 100104	DARROW B 13961	9020	48958	50001 50002			
DANKERT M 16140 75380	DARROW D I 39082	DAUBNEY R 3148	50002	DAVIDSON L S P 87748			
19973	DARROW G M 90640	DAUETAS M S 102477	87748	DAVIDSON M 93902			
		DAUGERTS R 21833 31161	87748	DAVIDSON O W 48051			



ITEM	ITEM	ITEM	ITEM	ITEM
DAVIS G L 18517	DAVYDOV A 16673	DE GRAAFF J 39240	DEANON J R 69990	DEENABANDHU PAUL 4807
DAVIS G M 59810	DAVYDOV F D 60589	DE GROOT W 49959	DEANS A S C 14300	DEENEN B VAN 36029
DAVIS G T 83486	DAVYDOV G S 14995	DE GROOTE R 91066	DEANS R J 55460	DEERE J 76965
DAVIS G V 82126	DAVYDOV I S 33695	DE GRUITER C T R 71453	DEARBORN C H 103578	DEETJEN H 85193
DAVIS G W 84658	DAVYDOV N 93692	DE HAAN F A M 20418	DEARDEN M 25466	DEETLEFS P P DU T 50651
DAVIS H A 21747	DAVYDOV S T 19819	DE JAGER D G 102272	DEARDEN M 69957	DEETLEFS P P DU T 70903
DAVIS H F 58956	DAVYDOV V YA 82985	DE JONG D C D 18520	DEARLOVE P 75890	DEFALQUE J 40127
DAVIS H J 34240	DAVYDOVA L P 41541	DE KLERK H 31073	DEARMON I A 13413	DEFALQUE M 79818
DAVIS H P 8211	DAVYDOVA M V 25488	DE KLERK W A 64946	DEARY P A 6952	DEFAYE J 59079
DAVIS H W 74238	DAWE P S 69785	DE KOCH R 62102	DEASY C 25245	DEFELICE A R 108821
DAVIS I F 79348	DAWES H W 57289	DE LA BURDE R 45778	DEATHERAGE F 74522	DEFFNER C U 35180
DAVIS J B 50952	DAWES S N 55582	DE LA PUENTE M 102338	DEATHERAGE F E 35003	DEFFNER G 6018
DAVIS J C P M 101791	DAWKINS H C 60975	DE LAAGE B 97102	DEATON J W 75543	DEFFONTAINES J P 7753
DAVIS J D 24982	DAWLEY W K 91192	DE LAURENS F 50004	DEAY H D 88291	DEFILIPPS R A 87306
DAVIS J F 39949	DAWSON A A 45777	DE LEON D 23549	DEB D B 65014	DEFILIPPS R A 77321
DAVIS J G 6175	DAWSON D J 15729	DE LIS B R 100179	DEB S B 4614	DEFLANDRE G 17501
DAVIS J H 15728	DAWSON E H 6105	DE LOTTO G 14730	DEBACH P 5444	DEFOUR D 24227
DAVIS J I 24909	DAWSON E Y 545	DE MAN J M 44278	DEBACKERE M 105093	DEFRANCESCHI L 31284
DAVIS J J 19446	DAWSON F L M 46843	DE MARTINI B 19977	DEBARD H 82853	DEFRANCESCHI L 31268
DAVIS J K 101049	DAWSON G B 60921	DE MEIRLEITE 88627	DEBAZAC E F 21264	DEFRIES J C 53539
DAVIS J L 14099	DAWSON G R 86710	DE MUELEAERE H J 48536	DEBAY M 19275	DEFROMONT C 107711
DAVIS J M 7838	DAWSON G W P 9562	DE MUELEAERE H J 101144	DEBECKER F 62804	DEGAN A 60590
DAVIS J N 7586	DAWSON J A 42376	DE ORCHI M 6036	DEBLANC G 104939	DEGEN G 11953
DAVIS J O 20378	DAWSON J H 101477	DE RITTER E 57887	DEBORD P 23302	DEGEN I 50242
DAVIS J P 60668	DAWSON J L 92698	DE SAINT AURIN G 70976	DEBORSKI T 17142	DEGENER I 98818
DAVIS J Q 78105	DAWSON J W 47627	DE SARJAS P 88577	DEBOSERE G 101383	DEGENER O 30461
DAVIS J R 70711	DAWSON L E 7351	DE SELMS R C 58957	DEBOUTTEVILLE C D 5612	DEGENFELD-SCHONB- 66580
DAVIS J S 78105	DAWSON M D 27081	DE SILVA M D 105169	DEBRAY M 19275	DEGIORGI E 41580
DAVIS J T 23173	DAWSON P S 5209	DE SILVA P L G 13420	DEBRIS M M 73563	DEGLAS A 51593
DAVIS J U 43016	DAWSON R C 90909	DE SILVA P L G 19290	DEBROT C E 77892	DEGLAS A 51593
DAVIS K C 35879	DAWSON R F 1318	DE SOUZA J S A M 16244	DEBRUHL J C 26943	DEGMAN E S 1762
DAVIS K E 72532	DAWSON R H 85810	DE SWARTD G H 25500	DEBRUYCKERE M 53918	DEGOIS E 21097
DAVIS K G 82412	DAWSON R M C 51489	DE SWARTD J R 108370	DEBRUYNE H 45123	DEGOS G 30369
DAVIS K P 21053	DAWSON R N 59101	DE VAUS N K 18864	DEBUCH H 89804	DEGOTARDI M 66382
DAVIS L 19974	DAWSON R N 59101	DE VILLELE D 67807	DEBUISSE J 89405	DEGRAACE R F 2967
DAVIS L E 42033	DAWSON R N 59101	DE VOS 61251	DEBUS 23995	DEGRAFF H 107563
DAVIS L G 6859	DAWSON R N 59101	DE VOS A 47628	DEBUS 23995	DEGTAREV B M 50243
DAVIS L H 43528	DAWSON R N 59101	DE VOS F 17665	DEBUS 23995	DEGTAREV P A 38285
DAVIS L I 50953	DAY A 87339	DE VRIES B 88181	DEBUS 23995	DEGTAREVA A P 26756
DAVIS L J 21347	DAY A C 102655	DE VRIES J K 83791	DEBUS 23995	DEHAAN R L 62659
DAVIS L K 21347	DAY A D 69374	DE VRIES M P C 70605	DEBUS 23995	DEHART P H 86563
DAVIS L L 23504	DAY B E 29189	DE WAAL C T 96277	DEBUS 23995	DEHN M VON 14729
DAVIS L M 17504	DAY B N 4467	DE WET D F 102135	DEBUS 23995	DEHORITY R A 52553
DAVIS L N 101418	DAY C A 43216	DE WET J M J 26848	DEBUS 23995	DEHORITY R A 52553
DAVIS L O 26031	DAY C L 44400	DE WET J P 99861	DEBUS 23995	DEHORITY R A 52553
DAVIS L P 24388	DAY D L 44855	DE WET P J 63071	DEBUS 23995	DEHORITY R A 52553
DAVIS L Q 77320	DAY E A 6378	DE WET R 102136	DEBUS 23995	DEHORITY R A 52553
DAVIS L R 5072	DAY E J 31801	DE WILDE J J F E 77323	DEBUS 23995	DEHORITY R A 52553
DAVIS L S 83765	DAY E J 31801	DE WINTER HENDER- 98876	DEBUS 23995	DEHORITY R A 52553
DAVIS L T 94698	DAY E J 31801	DE WIT J P 5978	DEBUS 23995	DEHORITY R A 52553
DAVIS L U 103916	DAY E J 31801	DE WIT J W 95402	DEBUS 23995	DEHORITY R A 52553
DAVIS L V 103916	DAY E J 31801	DE WIT J W 95402	DEBUS 23995	DEHORITY R A 52553
DAVIS L W 103916	DAY E J 31801	DE WIT J W 95402	DEBUS 23995	DEHORITY R A 52553
DAVIS L X 103916	DAY E J 31801	DE WIT J W 95402	DEBUS 23995	DEHORITY R A 52553
DAVIS L Y 103916	DAY E J 31801	DE WIT J W 95402	DEBUS 23995	DEHORITY R A 52553
DAVIS L Z 103916	DAY E J 31801	DE WIT J W 95402	DEBUS 23995	DEHORITY R A 52553
DAVIS M A 69516	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M B 27357	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M C 15003	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M D 80157	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M E 3307	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M F 44674	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M G 82110	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M H 22055	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M I 70181	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M J 9561	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M K 93639	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M L 46841	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M M 80096	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M N 17031	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M O 48807	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M P 48834	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M Q 50312	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M R 69521	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M S 5638	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M T 49307	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M U 67821	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M V 56792	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M W 90392	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M X 61729	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M Y 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS M Z 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N A 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N B 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N C 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N D 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N E 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N F 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N G 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N H 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N I 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N J 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N K 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N L 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N M 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N N 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N O 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N P 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N Q 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N R 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N S 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N T 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N U 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N V 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N W 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N X 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N Y 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS N Z 29897	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O A 10622	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O B 37655	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O C 9021	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O D 46275	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O E 86088	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O F 56392	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O G 56705	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O H 27019	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O I 27019	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O J 27019	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O K 27019	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O L 27019	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O M 27019	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O N 27019	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O O 27019	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O P 27019	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O Q 27019	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O R 27019	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O S 27019	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O T 27019	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O U 27019	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O V 27019	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O W 27019	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O X 27019	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O Y 27019	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS O Z 27019	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS P A 13644	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS P B 41265	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS P C 53917	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS P D 45959	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS P E 23533	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS P F 58232	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS P G 16672	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS P H 28721	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS P I 101060	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS P J 2265	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS P K 9834	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS P L 88465	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS P M 88475	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS P N 87923	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS P O 87923	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS P P 87923	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS P Q 87923	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS P R 87923	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553
DAVIS P S 87923	DAY F T 6145	DE WORMS 14865	DEBUS 23995	DEHORITY R A 52553</





DEVINE J R	20624	ITEM 20625 91068	DHONDYAL S P	ITEM 28413 108252	DICKERMAN R W	ITEM 94211 1323	DIETERICH V	ITEM 21123 50706	DILZ K	ITEM 39938 2465
DEVLIN R M		89805	DHONT J H	33986	DICKERSON A G	29190	DIETERLE W	54617	DIMANCEA S	2021 29847
DEVLOE R D		5073	DHOORE J	80158	DICKERSON C E	27674	DIETERMAN L J	100181	DIMANT D	11657 15934
DEVOLT H M	22557	42018	DHYANI K C	10567 102029	DICKERSON J D	60593	DIETLEIN D R	4720	DIMBLEBY G W	67696
DEVOLTA 42024		62860	DI-BIASE C	54535	DICKERSON J W	75759		4721 52779	DIMEN I	108172
DEVONES K R		12368	DI-COSTANZO G	74751	DICKERSON J W T	72922	DIETRICH B	54137	DIMENYI I	64332 66581
DEVORE P		3924	DI-FRANCO E	3544	DICKERSON L	45750	DIETRICH C P	13237	DIMENYI I	26621
DEVOS A	13610	22608	DI-GIOVINE L	104428		76372		107911	DIMICK K P	57167 104969
DEVOS 31899		93411	DI-TELLA G	50973	DICKERSON L A	76396	DIETRICH H	30370	DIMICK M K	41952 52147
DEVOUTES J		100119	DIAB R K	15692	DICKERSON O J	47571	75093 84596	95947		72629
DEVREUX A		96276	DIACHUN S	37154	DICKERSON R B	36063		103917	DIMICK N A	60372
DEVULDER P		52586	DIACK A R	72776	DICKERSON W H	27599	DIETRICH I T	48821	DIMIT R M	56794
DEVUYST A	71708	72020	DIACONESCU C	22049	DICKEY D D	39646		48822	DIMITRESCO G	107219
		81645	DIACONESCU V	10728	DICKEY E E	51322	DIETRICH J	18523	DIMITRIADIS A	82592
DEVYATKIN A		30781	54794 61445	61446	DICKEY E F	61569	DIETRICH J A	78151	DIMITRIJEVIC D	28089
		81646		61486	DICKEY H C		DIETRICH K	109391	DIMITRIU A	103088
DEVYATOV A S		100180	DIACONU E	32498	DICKEY H P	30782	DIETRICH S M C	107911	DIMITRIU A G	49691
DEW D A	953	91192	DIACONU M	103307	DICKEY R D	49853	DIETRICH W	31550	DIMITRIU N	62896
DEWALE A		22352	DIAK C	81902	DICKEY R S	58574	DIETRICH S H H	1319	DIMITROV A	3574 66582
DEWALD L		56166	DIKONOFF A	27466		9179	79912 103042			66741
DEWALQUE J		22805	43255 95404	105952	DICKIE C W	68250	DIETRICHSON J	102636	DIMITROV B	84284
DEWALZUE J		3959	105953	105954	DICKIE M M	82596	DIECK E J	105905	DIMITROV D	28725 101052
DEWAVRIN J		85759	DIAMANT G	83238	DICKINS D	82517	DIETSCH R	22293		104613
DEWAVRIN J		65476	DIAMANTSTEIN T	62808	DICKINS D	86342		53065	DIMITROV G	29038 35880
DEWEESE D G		8661	91996 93191	93207	DICKINS J C	27863	DIETZ A	83601		38038
DEWERTH A F		79560		104481	DICKINSON B N	55848	DIETZ E F	79879	DIMITROV J	84438
	90393	101292	DIAMENT S M	67532	DICKINSON C II	88466	DIETZ H J	76777	DIMITROV KH	78449
DEWES T D	64487	85926	DIAMOND B C	28060	DICKINSON D	44590	DIETZ M J	49178	DIMITROV N	30883 31273
DEWET J M J		1586	DIAMOND M J	35158		60806	DIETZ O	13238	DIMITROV S	103195 104828
DEWEY A G		43984		45111	DICKINSON E M	62836	DIETZ R	105709		39346
DEWEY A W		26366	DIANO C	31285	DICKINSON F E	30724	DIETZE C VON	7887	DIMITROV S G	100388
DEWEY D H	34795	55073	DIAS H F	37429	DICKINSON J L	65477	DIETZE G	75541		101936
55138 65580		65581	DIAS J A T S	32668		85760	DIETZMANN U	41294	DIMITROV TS	36800
		85826	DIAS L C DE S	96278	DICKINSON K	25961	DIEZ R	18875	DIMITROV TS	101937
DEWEY D L		27490	DIAS M A F R	20626	DICKINSON P J	106484	DIFFIDENTI E	95964	DIMITROVA E	102279
DEWEY D R	18521	78106	DIAS M R DE S	67943	DICKINSON R E	108595	DIFFIDENTI G A	32894	DIMITROVA M	90922
		98875	DIAS N	18387	DICKINSON S	10729		41807	DIMITROW A	92580
DEWEY D W		93631	DIAS R A	85095	DICKINSON T A	10623		30607	DIMLER R J	1298
DEWEY J E		75195	DIAS V S	61744	DICKINSON T A	10624 26536	DIFFORD D	100517		7002
DEWEY L J	7528	59077	DIATLOFF G	20242 101482	DICKMAN I I	91005	DIGBY J	100517	DIGBY J	7036 7078
DEWEY W G		19502	DIATZ A F	19398	DICKMANN Z	4294	DIGBY L	57286		16118 25566
DEWEZ J		58573	DIATZ A M	55970		22734		17111		54132 55353
DEWILDE D A		34469	DIATZ BLASCO H	75684	DICKS H M	50006	DIGGINS R V	32552	DIMOCK A W	37077 77769
DEWILDE R		1687	DIATZ C	47079	DICKSON A D	80960	DIGGLES S	67579	DIMOCK E O	30235
DEWILLIGEN A H A		54132	DIATZ DEL PINO A	59171		25716	DIGGS B G	72952	DIMOCK E J	60977 61059
DEWITZ F		5660	DIATZ E N L DE	17847		100782	DIHLMANN W	46134	DIMOND A E	47243 77517
DEWOLF G P		17585	DIATZ F	89787	DICKSON C G C	95389	DIHORU G	36733		77678 89410
DEWOLFE M R		107078	DIATZ F J	487	DICKSON D H	72382			DIMOND J B	53020 63694
DEWSNUP H K		45895	DIATZ H	71905	DICKSON F	17178	DIJ C E VAN	19615	DIMOPOLLOS G T	41670
DEWSOM L D		73569	DIATZ H B	12985 18873	DICKSON H J	88209	DIJ G E VAN	28627		62196 92540
DEXTER K		108390	19599 19600	19814	DICKSON J A	81074	DIJ H VAN	49982		103668
DEXTER R T		83729	20243 21755	21756	DICKSON J G	8440	DIJ J B VAN	62195	DIMOV A	62690 62947
DEXTER S T		16412 16413	21757 28618	28743	DICKSON J H	88208	DIJ P A VAN	20419	DIMOV I	30919
		28189 100937		343	DICKSON L H	56793	DIJ W J O M VAN	83234	DIMOV K VON	96715
DEXTER W V		45429	DIATZ M N	67077	DICKSON M H	27856	DIJMAN A J	65147	DIMOVA R	78450
DEY N S R N		19447	DIATZ MORENO J J	104326	DICKSON M R	37660	DIJMAN M J	89361	DIMPFLMEIER R	21265
DEY S K	46133	52828	DIATZ O H	31086	DICKSON W M	104645	DIJMAN M J	9687	DIN I M	32590
		56167	DIATZ T A	5661	DIDENKO M K	73940	DIJMAN M J	76480	DINAMARCA M L	32650
DEYELL M J	4938	4939	DIATZ V N	76874	DIDENKO N	33696	DIJMAN M J	28627		73147 105084
		63739	DIATZ VIAL C	102137	DIDERIKSEN R I	2266	DIJMAN M J	103667	DINCA G	62433
DEYL M		23426	DIATZ-BLASCO H	45187	DIETIER-PETIT	107010	DIJMAN M J	30783	DINCE B	26461
DEYOE B L		12813		75684	DIDYCHENKO A P	1477	DIJMAN M J	91829	DINCE R R	96128
DEYOE C W	6544	68936	DIATZ-CAMPOS J	74358	DIDYCHENKO O P	29690	DIJMAN M J	103543	DINCHEV D	29537 29538
		85516	DIATZ-CELAYETA F	9732		29691	DIJMAN M J	62321		39975
DEYSSON G	18522	58233		10176	DIE J VAN	18874	DIJMAN M J	92418	DINDART J	3556
78219 78220		99862	DIATZ-CONTINI M	46363	DIEBOLD O	65270	DIJMAN M J	8008	DINEV T	73161
DEZEEUW D J		8920	DIATZ-DE-MENDEZ H	27190	DIECKERT H	91568	DIJMAN M J	80536	DINGELDEIN U	54049
		49360	DIATZ-DEL P A	48690		102635	DIKAREVA E	34420	DINGLE H	73567
DEZEEUW K J		37428	DIATZ-DEL-PINO A	19503	DIECKMANN G	17085	DIKASOVA E T	14866	DINGLE R W	51305
DEZZI L		69317	19504 90008	97957	DIECKMANN L	94849		32750	DINGWALL A R	46555
DEZSO E		60712		100781	DIECKMANN L	74522	DIKER T	16414	DINH N X	9733
DEZSO GY		79130	DIATZ-DELGADO D	75301	DIEDEN B	74522	DIKII S P	1933	DINI D	7754
DEZSO I		53634	DIATZ-LUNA C L	37659	DIEGUES M	76465	DIKIN V	49543		16674
DEZSO MRS SZ E		60241	DIATZ-MORENO J	9023	DIEGUEZ R N	80124	DIKKER G L	66266	DINIZ C R	23552
DEZSO-GY		79129	47236 77675	77676	DIEHL O	49423	DIKOV G I	72815	DINIZ M DE A	94076
DHADIAL R K		33106	DIATZ-NAJERA A	23653	DIEHL R	9733	DIKOV V	81939	DINKEL C A	12798
DHAKSHAYANI R		46451	DIATZ-RIVERA A C A	27336	DIEHL W D	27441		104562	DINKEL D H	81917
DHALA M H A		65982	DIATZ-RODRIGUEZ F	89826	DIEHL W W	67527	DIKSHIT A P	58809		955
DHALIAL A S		6825	DIATZ-UNGRIA C	82443	DIEKEN G	17034		89642	DINKELAKER H	2789
DHALIAL S S		93206	DIATZ-VIAL C	101844	DIEKROEGER C W	31655	DIKSHIT N N	100182	DINOS J	60978
DHAMANEY C P		107727	101845 101846	101873	DIELEMAN F L	37469	DILCHER D L	8564	DINOV D	15522
DHANAK A M		74499	DIBBLE D L	50952	DIELEMAN P J	29899	DILG H	15029	DINSALE E M	84438
DHANAK G		50244	DIBBLE J E	37100 73254		60071	DILGER W C	42859		91704
DHANAPALA S B		13555	DICANDER G	36197 54448	DIEM C D	70566	DILL C W	6486	DINSE W	84353
DHANDA M R	3263	13680	DICH J	22944	DIEMAIR W	54411	DILL F J	58234	DINSLEY M	72508
51868 62192		72643	DICK C V	88579	65582 65983	84790	DILLAH A C J	52780	DINTER Z	31258
		81743	DICK I D	108007		106692		105094		3245
DHANDA V	5631	83769	DICK J B	52839	DIEMEL H	85927	DILLAH A-YOUNG J	82623		52232
DHAR D N	41586	62193		73181	DIEMONT C	70713	DILLARD W M	22945		72162
DHAR K L	26029	26030		69483	DIENER T O	18275	DILLEN S	61428	DINTHER J B M VAN	4642
DHAR N R		26315	DICK R	79242		47494	DILLER J D	67651		83294
DHAR S P		25735	DICK R D	87408	DIENER U L	26031	DILLER O D	30281	DINU F	22001
DHARAN K V W		45125	DICK S	49601	DIENGOTT O	176646		91018	DINU I	10477
DHARKAR S D		96877	DICK U	89812	DIEPENBROEK A E W	6177	DILLEY D R	34795	DINU M	104227
DHARMARAJU E		32821	DICK W	13236		24985		55138	DINU V	62718
		33375	DICK-PEDDIE W A	99743	DIERCKS J	63194	DILLEY R A	954	DINULESCU S	9405
		80284	DICKSON E A	47123	DIERCKS R	27121		58577		9730
DHENNIN L	41269	51568	DICKSON F F	105247	DIERCKS R	57903	DILLION J L	56019	DINUSSEN W E	133544
		52139	DICKSON J J	33189	DIERENDONCK F J E	29692	DILLISTIN W H	94079	DINUSSEN W E	62084
DHESI N S	20123	102033	DICKSON M H	26620		107270	DILLMANN E	25294		82048
DHIEN R		8774	DICKSONS A J	54493	DIERICK E	6616	DILLON D	1743	DINWOODIE J M	12441
DHILLON A S		18157	DICKSONS J W	55569	DIERKES G	22635	DILLON F	1743		18488
DHILLON H S		28339	DICKSONS L E	47300	DIERKES R E	62194	DILLON J C	47238	DIOFASI L	39347
		80419	DICKSONS R L	55256	DIERNHOFER K	47728	DILLON L S	61215	DIONIAUTO-BONNAND	58235
DHILLON J S		49056	DICKSONS S	24479	DIERSEL A M	618	DILLON T	59		37661
DHILLON P S		79196		54248	DIETEL H W	6314	DILLON W M	89806		58235
DHIMA K	69469	91237	DICKENSON P B	86384		25605	DILLOV KH	100184	DION J P	77518
DHINDSA S S		9564	DICKER G H L	83415	DIETER	87929	DILS R E	60302	DIONIGI A	27876
DHINGRA D R		100265	DICKERMAN M B	46554	DIETER R	82173	DILWORTH B C	72574	DIONNE J L	11512
DHINGRA K L		47493		50449	DIETERICH J H	21348		93069	DIONNE L A	50007
DHINSA H S		3357	DICKERMAN R C	5256		81215	DILWORTH J R	40542	DIONNE G	47847

ITEM	ITEM	ITEM	ITEM	ITEM
DIOS R 20584 27877	DJAKOVIC D--CONT 73406	DOBROVOLSII P M 25476	DOESBURG J VAN 21266	DOLTRA E 109165
DIOS-VIDAL R 70277	73407	DOBROVOLSKY B 42388	--CONT 21267	DOLYA V S 80286
DIPADOLA G 53837	DJALITLOV K I 30639	DOBROWOLSKI L J 80537	28766 39168 39169	DOLZ-RALLO S 106434
DIPLOCK P T 72164	DJERASSI C 19299 30674	DOBROWOLSKI S 91513	39170 39171 39173	DOLZMANN P 99864
DIPPENBAAR B J 43985	78923 89895	DOBROWOLSKI W 63089	39174 40630 40631	DOMACK G 98673
69159	DJOJOSOBAGIO S 52137	DOBROZRKOVA T L 77507	59689 88705	DOMAN I 12988
DIRCKS A 15817 25157	DJONOVIC 30308	DOBROZRKOVA L G 27878	DOESBURG P H VAN 95017	DOMAN L S 61390
34539 44450 65271	DJORDJEVIC B 99655	DOBRYAKOV N V 24222	DOFEK R 72627	DOMAN N G 89929 100591
65272	DJOURKITEV 4011	DOBRYNINA A K 13526	DOGADKIN B A 75808	DOMANOV I I 22169
DIRCKS A D 85579	76482	DOBRYNINA A YA 52157	DOGAN K 92888	DOMANSKA H 20244 38427
DIRIBEK K 43057	DJUROVIC R 76482	DOBRYNINA L I 96719	DOGANELI M Z 43863	59934 70084
DIRIBEK YA 43057	DJURTOFT R 24624	DOBRZANSKI B 49693	DOGEL C 83296	DOMANSKAYA E N 27996
DIRIGE M 88183	DLABOLA J 64088 64126	49694 50009 70416	DOGGETT H 2466	27997 28180
DIRIMANOV M 43256	95179 95180	DOBRZYCKI J 16479	DOGGETT J F 29693	DOMANSKI A 42129 42148
83295 83416	DLACHENKO P F 6485	16482	59688	92112 93644
DIRKS H J 27373 34976	DLANNI J D 66120	DOBSINSKY D 51841	DOGUCHI M 6974	DOMANSKI E 63130
DIRKS V A 19572	DLHY V 103908	DOBSON A 32221 103869	DOHANYOS J 55755	DOMANSKI R 38041 89411
DIRKSEN G 12986 51948	DLOUHY W 6268	DOBSON A H 5507 33376	DOHARE A K 38040	DOMANSKI S 8832 36979
81744 103669	DLUSKI S 84439	33377	DOHERTY G 2380 2640	36990 36991
DIRLBECK J 63538	DLUSKI S M 33536	DOBSON A L 101646 101792	DOHERTY J 81746	DOMANSKY F 13372
DIRLBEK J 32751	DLUZEWKA A 67446	DOBSON A W 4541	DOHERTY L E 85195	DOMANSKY R 41125
DIRMEYER R D 20833	DLUZEWKA D 74927	DOBSON C 93640	DOHERTY R L 42475	DOMBOVARI J 91169
29900 29901	DLUZEWKA J 10730	DOBSON D C 41912 62736	DOHI K 93412	DOMBOVSKAYA A V 27394
DIROM M 12987 52081	DLUZEWSKI W 70714	DOBSON J W 69514	DOHI M 32029 93413	DOMENICHINI G 14792
52587	DLUZEWSKI Z 12464	DOBSON R C 13997 73137	97363	DOMENICO P 102164
DIRSH V M 14915 53526	DMITRENKO P A 38039	DOBSON R M 73568	DOHLE W 94704	DOMERCO S 65453 74632
53527 106076	DMITRIEV B YU 90126	DOBSON S 28615	DOHLER G 9735 48055	69313
DIRVEN J G P 6545	DMITRIEV V 16262 102138	DOBSON S H 2341 79263	48056 48057	DOMERMUTH C H 103196
12872 15775 21758	DMITRIEVA A A 8682	DOBY J M 14624	DOHLER J 89419	DOMINGO I L 81124
26740 41268 49576	DMITRIEVA L V 58579	DOBZHANSKY T 5257	17666	DOMINGUEZ X A 28303
DISANSKI S 5803	DMITRIEVA M I 9664	14609 14610 14611	DOHLER H 86712	DOMINGUEZ-DE-GOR 34540
DISCH K A 54153	DMITRIEVA N P 42110	43058 83932	DOHMS W 64597	R
DISEKER E G 2608	DMITRIEVA O A 107135	DOCEA E 27290	DOHNAL B 89709	DOMINGUEZ-MARTIN- 31721
29992 50366	DMITRIEVA P M 13525	DOCHERTY A C 102308	DOHNAL T 69783 79505	EZ J 33146
OISER G M 51397 55591	DMITRIEVA T 79663	DOCHEV TS 62597	DOHNE E 64333 84285	DOMINGUEZ-VIVANC- 50406
65984 67284	DMITROCHENKO A 82917	DOCHINGER L S 37431	95847	OS A 91375
DISLERE H 38535	DMITROCHENKO A P 71620	DUCKE F 57776	DOHRENDORF H 86691	DOMINICIS A DE 98494
DISNEY R 105077	DMOCH J 94850	51491	DOHSE K 9894	DOMINICIS R DE 105698
DISPONS P 23744 53388	DMOCHOWSKI L 82597	DOUBIBA A 93641	DOHY J 61988 92186	DOMINICK B A 56568
53389 73706	DMOCHOWSKI S 86676	DOUBIBA R 72036	DOHY J 43557	56569 66908
DISSANAYAKE A B 16370	DMOWSKI A 43643	DOOD B C 44794	DOI M 2093 2176	70717 79482 87162
77680	DMONYASAGAR V R 100040	DOOD C D 13681	DOI T 44070	87173 87174
DISSCESCU C 8513	DO J Y 25511 55139	DOOD D C 4374 22405	DOIHARA I 33697 64452	DOMINICK C B 43257
DISSCESCU R 12001 50931	DO-VAN-QUY 42474	22442 32442	DOIHARA T 26032	49005
DISSING H 46978	DOAG W G 82518	93642 104646	DOII Y 29192	DOMINIK J 4905
DISTANOV G K 50308	DOANE C C 42752 93955	DOOD F H 41711 62177	DOIKOV K 45797	DOMINIK T 80097 80394
DITCHFIELD J 22414	105357	DOOD J D 90859 99042	DOING H 27393 47629	88580 90911
103670	DOANE F W 103670	DOOD M R 78092	DOIR H 42837	DOMINY F E 20834 56677
DITMAN L P 14102 23218	DOANE J F 5144 94851	DOOD N E 33977	19985	DOMINY J N 24197
32752 42586 63598	DOANE T H 3736 72770	DOOD R 45892	DOJIC A 69155	DOMIZIO G DI 81747
83286	DOANE W W 95014	DOODS K S 98819	DOJIC A M 18879	82176
DITSU I 67966	DOAT J 21614	DOODS N 102344	DOKOCHAEV A 106304	57427
DITTEMORE W H 60242	DOBACHEVSKII P 95838	DOODS P 54154	DOKOSHI J 70807 75304	66196
DITTMANN A L 9272	DOBAI M R 101643	DOODS R P 62492	DOKOUPIL S 72254	66196
DITTMAR J 3338 3340	DOBAI S 104310	DOODS SIR C 67403	DOKU C L 69960	11237
61997	DOBB E S 53602	DODE L 94852	DOKUCHAEV V V 36458	20422 70346
DITTMAR O 40570	DOBB J L 38823	DODE A F 1837	DOKUBAC J 3523	DOMMETT T W 15731
DITTMAR H J 78107	DOBB M G 75082 96714	DODE C W 17881	DOLAN C H 102139	DOMNICK H 13998
78108 98724 99863	DOBBELAAR M J 13239	DODE D P 102926	DOLAN T 29383	DOMOK I 93340
DITTON A M 29191	30884 62647	DODE H R 23654 33222	DOLAN W M 64675	DOMOKOS J 78452
DITTRICH A 12483	DOBBEN W H VAN 68751	53316 64067 95016	DOLANSKY J 60835	DOMON M 105736
DITTRICH E 17024 46089	78451 12574	DODE J C 69706 69782	DOLBY I 51241	DOMOTO T 1838
56676 87371 98110	DOBBERSTEIN J 70715	DODE J D 620 68447	DOLBY R M 15730 74754	54422
108654	DOBBIE C H 70715	68448 98105	DOLCERA M 72923	DOMROW R 14425 53179
DITTRICH G 53695 108389	DOBBIE H B 77426	DODGE N N 46846	DOLD D 36030	83771
DITTRICH S 61745 71709	DOBBIE H B 77426	9312	DOLD J 83504	94705
81745	DOBBIS C G 60193 70403	DODGE W A 82175	65273	DOMSCH K 20479
DITTRICH V 52701	DOBBIS R J 67780	DODMAN R L 27127	95804	DOMSCH K H 2194 57906
DITTRICH W 54937	DOREL P 619 37663	DOODOLINA V T 49890	71230	131793
DIVE M 3618	DOREL W 22168	DOODOV D N 70600	71231	DOMSCH M 5737 11658
DIVELEY W R 77681	DOBERT H 61602	DOODOV E 88704	79233	50010 53694 70670
DIVEN R H 63087	DOBI Q 28453	DOODSON E 74930	DOLGOV B S 64453	DONACHIE W D 48537
DIVETI B L 82803	DOBIAS G 103354	DOODSON J 98803	DOLGOV I A 79940	45893
103077	DOBI J 40887	DOODSON J C 76749	DOLGOVA A A 101631	DONAHUE J 23844
DIVINSKII A F 83252	DOBI J B 43619 62100	DOODSON K J 49992	DOLGOVA L S 11390	DONAHUE M L 23844
DIVOUX R 18101 20872	92303 96060	DOODSON R B 98452	DOLGOVA R A 82057	DONAHUE R J 35609
57905	DOBIN M A 21828	DOODSON R E 8009	DOLGUSHIN D A 27675	DOVAHUE R L 90788
39167	DOBINDA R 81901	DOODSON R M 100609	57277	DONAI A R 33273
DIX N J 99323	DOBINDSKY E 34321	DOODY D G 42624	46709	DONALD A D 104719
DIXIE K C 50367	DOBINDSKY O 31286	DOEBLER T A 66163	54249	DONALD C M 18424 131934
DIXIT P K 73357	DOBKOWSKI Z 54104	DOEFOD-JOHNSEN H 22085	DOLINAR Z J 22415	109064
DIXIT R S 13996	DOBOSI Z 11180	DOEHNER 104599	DOLING D A 27176 68125	DONALD D G M 42735
DIXIT V K 20455 58578	DOBOSZYNSKA J 36554	DOEHNER H 72731 72732	99324	50774
DIXON A 6333	DOBOSZYNSKI L 36554	72816 72817 72818	DOLINKA B 100825	DONALD G 57339 86167
DIXON A C 12573	DOBOZY O K 107136	72884 75083 75084	DOLLIWA S 66455	DONALD H P 22751 52359
DIXON B 24813	DOBRAY MRS E 85827	75085 75086 75087	DOLJANSKY N 62660	DONALD J R 25158 25159
DIXON B D 15729 74753	98394	75093 76768	DOLL E R 22407 22416	75088 85580 107137
DIXON B E 54412	DOBRE I 1478	DOEKSEN J 2267	22437 72474 92889	DONALD L G 22140
DIXON D 67201	DOBREKII A A 95709	DOELLE H W 79504	DOLL H 16282 89265	DONALD V J 1937
DIXON E B 42970	DOBRREV D 104598	DOELLINGER H 102309	DOLL J 62198	DONALDSON A G 277
DIXON E M 60168	DOBRREV G 66383	DOEPL R F 9024 9025	DOLL R J 86565	DONALDSON B 94352
DIXON G H 88902	DOBRIVA I 61653	DOERFLINGER J A 67067	DOLLAHITE J W 16339	DONALDSON G F 45787
DIXON H L 59687	DOBRITSKAYA YU I 101712	2101	41347 61884 63077	56570
DIXON J E 5954 74200	DOBRIVJEVIC K 94459	DOERING E J 79939	91931 91932 92419	DONALDSON G P 34167
DIXON J M 4243	DOBRIVJEVIC W 36198	18877	103670	DONALDSON J 62200
DIXON J R 58555	DOBRIVJEVIC W 36198	DOERING G R 18877	26146	DONALDSON L A 100241
DIXON K E 91930	DOBRIVJEVIC W 36198	DOERING H 95298 105423	4337	DONALDSON L E 12799
DIXON P F 28360	DOBRIVJEVIC W 36198	DOERING K 66245 75833	93643	12800 13191 41587
DIXON P J 35495	DOBRIVJEVIC W 36198	DOERNER K 50652	83933	DONALDSON R B 66593
DIXON P S 8806 8807	DOBRIVJEVIC W 36198	DOERR R 86818 97711	106347	DONALDSON R D 69928
8808 8809	DOBRIVJEVIC W 36198	DOERSCH R 101483	5388	DONALDSON S S 104735
89103 98877	DOBRIVJEVIC W 36198	DOERSCH R E 11485	5571	DONALDSON W E 41913
98588	DOBRIVJEVIC W 36198	DOERY A C 3737 3738	44035	93209
DIXON R 80167	DOBRIVJEVIC W 36198	DOES J VAN DER 10911	106647	DONASZY E 97842
DIXON R M 40348 89104	DOBRIVJEVIC W 36198	DOESBURG J VAN 39172	7981	DONATH E J 55257 96949
DIXON R O D 72383	DOBRIVJEVIC W 36198	DOESBURG J J 25467	45960	DONATH F 16946
DIXON S E 73351 73880	DOBRIVJEVIC W 36198	25468 75303 85716	11391	DONATH L 5833
DIYAROV K D 81903	DOBRIVJEVIC W 36198	107338 107339	27527	DONATH P 81105
DIZERBO A H 88980	DOBRIVJEVIC W 36198	DOESBURG J VAN 19979 19980 19981	104219	DONATI F 73942
DIZIATIN R 20979	DOBRIVJEVIC W 36198	19982 19983 19984	94490	DONATI G 4137 12989
DIZON J J 4715	DOBRIVJEVIC W 36198	DOESBURG J VAN 19979 19980 19981	74296	DONBAUER E 47239
DJAKOVIC D 73404 73405	DOBRIVJEVIC W 36198	DOESBURG J VAN 19979 19980 19981	91830	DONCHEV N 32785
			96665	DONCHEV S 73161





DRIFT J VAN DER	11329	DU TOIT A J--CONT	85097	DUCOFF L J	45424	45560	DULEY F L	29650	DUNCAN U K	36982	46979	
--CONT		DU-BOSE W P	23723			46113	DULFER H	77325	DUNCAN W E		75073	
DRIFTMIR R H	27407	DU-BRUYN D B	8350	DUDA D		47972	DULGER K	99326	DUNCAN W G		2667	
DRIGGERS B F	14178	DU-BUISSON F DU M	83063	DUDA I		57675	DULIEU H L	48062	DUNCAN W H		46848	
	80287	DU-DOUET-DE-GRAV--	7607	DUDA J		88438	DULIEU P	107260	DUNCAN W R H		31290	
DRIGGERS J C	35233	ILLE G	108253	DUDA V	28109	43427	DULISKOVICH A	106640	DUNCKELMAN P H		9211	
	84659	DU-FAUR R	26766	DUDAL R		20529	DULIZIBARIC T	14179	DUNDAS J	82177	91070	
DRILL A	4140	DU-MESNIL C L	1677	DUDANI A T	85198	96521	DULK P R DEN	90290	DUNDERMAN B J		13398	
DRILL A E	72609	DU-PLESSIS A J	45412	DUDAR YU A		86821	DULKE S	42805	DUNEGAN J C		27123	
DRING D M	99077	DU-PLESSIS C S	74581	DUDAREV A D		102516	DULL R E T	101613	DUNEZ J		47496	
		DU-PLESSIS J L	104084	DUDAREV E I		80289	DULLFORCE W M	46711	DUNFORD M P		37838	
DRISCOLL C J	782	DU-PLESSIS L DE W	24635	DUDAREV M A		13850		58587	DUNGAN W		62786	
	99865	54413	74582	DUDAREV N P		28790	DULNEV V I	93645	DUNGER W	2196	14367	
DRISCOLL G R	14850	DU-PLOOY J	381	DUDDINGTON C L		489	DULDOY J H	25891	DUNGWORTH D L		4431	
DRISCOLL R S	9313	DU-TOIT E	44641	DUDECK A E		29193	DULSKI H	29150	DUNHAM A		108567	
	30433	DU-TOIT J L	50013	DUDGEON L T		46446	DUMA Z	74329	DUNHAM C		34050	
DRISKO R W	51130	DU-VIGNAUX M	80899	DUDIN S		82315		107452	DUNHAM C W		29333	
DRIVER C H	9029	DUA P	72573	DUDIN S YA		82050	DUMAINE G	50502	DUNHAM D F		6161	
DRIVER C M	68014	DUA P N	93069	DUNKA I A		57711	DUMANDOV I	104529	DUNHAM L O		55032	
DRIVER M G	45126	DUALDE-PEREZ V	32243	DUNKA I O		77468	DUMANOVSKY F	42036	DUNHAM O O	1905	29017	
DRIVER P N	27151	DUARTE F L	71876	DUKIEWICZ L A		536		62353	DUNHAM R S		90618	
DRIVES J	3809	DUARTE I	18886	DUKIN M S		71621	DUMARD J	6055	DUNHAM W		13335	
DRLIK R	30371	DUARTE M I	18246	DUDKO Z G		48061	DUMAS	27292	DUNIEC H	72902	82885	
DRUBKIV A A	18885	DUARTE R	758	DUDLEY B		106077	DUMAS A	16947	82918	82919	83195	
DRUBNICA L	6205	DUBACH P	11241	DUDLEY D I	28629	28630	DUMAS R R	74755			104771	
DRUBOGLAV M A	25488	39697	39719			102081	DUMAS F	40604	DUNIN M S	58589	68755	
DRUBOTA G	68831			DUDLEY J W	10443	18705	DUMAS N	52785	69348	77520	87932	
DRUBOTENKO A P				18706	18737	27752	DUMAS T	83505			99327	
DRUEGE R F				47848	48832	48834	DUMAZERT C	958	DUNKEL K H		60072	
DRUESE H						100938			DUNKEL R		106904	
DRUEGE J				DUDLEY R F		46847	DUMBLETON L J	53181	DUNKELBERGER J E		26537	
DRUEGE J H				DUDLEY R H		88293					87676	
DRUKOVA I H				DUDLEY T R	36802	88294	DUMENIL L C	60445	DUNKIN A C		22925	
						45413	DUMESTE M H	87931	DUNKLE J R		86888	
				DUDMAN R		6179	DUMETRACHE I	2324	DUNKLEY W L		6365	
				DUDMAN W F		97822	15896	18823	19752	12874	22171	44330
				DUDROVOV I		3001	DUMITRAS L	95888		65049	74687	74859
				DUDZIEC K		4334	DUMITRASCU F	91061	DUNLAP J A		47105	
				DUDZINSKI M L		66742	DUMITRASCU A	34245	DUNLAP J S	42063	82988	
				DUE J M		104154		62811	DUNLEAVY J		27124	
				DUELL C		60924	DUMITRESCU I	22748	DUNLOP A A	13625	72736	
				DUEWEL W A		50556	DUMITRESCU I	5815	DUNLOP F P		49180	
				DUERST P		7708	DUMITRESCU N	20629	DUNLOP W J		39175	
				DUEWEL L A		105955		20630	DUNLOP W R		52285	
				DUFAY C		58041	DUMITRESCU N	12168	DUNLOP W R		30634	
				DUFF A D S		49917	DUMITRESCU O	59228	DUNN C		87749	
				DUFF C		52088	DUMITRESCU O	69426	DUNN C L	43908	94035	
				DUFF E M		52088		69581	DUNN D		53472	
				DUFF L G		49866	DUMITRESCU-GIRBO-	2939	DUNN D B		25094	
				DUFF R B		96181	VI S		DUNN D W		76750	
				DUFFEK E		48931	DUMITRIU-TATARANU	102637	DUNN E	8921	11130	
				DUFFEK T	23998	94706	I	102638			37496	73217
				DUFFEY E	42944	12052	DUMITRU C	61611	DUNN E S		46137	
				DUFFIELD J W	37666	50846	DUMITRU I	15896	DUNN F L	4701	32669	
					81106	102624	DUMM L D	91238	DUNN G M		77682	
				DUFFIN B R		8213	DUMMER H	5889	DUNN J A		13929	
				DUFFUS J E	23042	37432	DUMMER M	65856	DUNN J M	16893	108174	
				DUFFUS J E	63539	77951	DUMMETT C O	72384			108510	
				DUFFUS J H		99947	DUMMLER W	38047	DUNN J R		86392	
				DUFFY E A J		14512	DUMNOV D	66475	DUNN L E		11181	
				DUFFY J P		33223	DUMOLIN J	108784	DUNN M		44625	
				DUFFY M		7093	DUMON A G	98511	DUNN M S		27467	
				DUFFY M P		84915	DUMON R	96203	DUNN P H		23043	
				DUFFY P		80246	DUMONT B L	74441		84129	93989	
				DUFFY P J B		30434	DUMONT C	9275	DUNN P M		56258	
						102777	DUMONT D	38967	DUNN S		29175	
				DUFOR J P		87252	DUMONT M	39941	DUNN S W		34051	
				DUFOR P		41070		67057	DUNN T C		85275	
				DUFRAINE A		74137	DUMONT R	16531	DUNN W E		15143	
				DUFRENOY J		16677		76128	DUNNE H W	82989	82990	
				DUFRENOY M		84469	DUMORTIER B	63816	82991	82992	82993	
				DUFRESNE R	12211	12212	63817	63818		104831	104832	
						12413	DUMORTIER M	41590	DUNNE J P		10444	
				DUGAN L R	25864	44303	DUN B R	42131	DUNNER D A		8584	
						55453	DUN R B	13623	DUNNING R L		13983	
				DUGAN P R	73113	74452	72733	72734	DUNNUCK G		97104	
				DUGAN R E		24356	72819	82737	DUNNUCK N G		65857	
				DUGANOVA E A		44685	93599	93646	DUNPHY H		67265	
				DUGDALE E		96202	DUNAIEVA I D	94174	DUNSMORE J D		72820	
				DUGGAN D E	7193	7194	DUNAHOO H R	92421	DUNSON L R		35983	
				DUGGAN G		65533	DUNAVIN L S	90128	DUNSTAN R T		101246	
				DUGGAN I W	7756	65686	DUNAY A	92186	DUNSTERVILLE G C		58983	
				DUGGEN H	5765	26997	DUNBAR A D	49675	K 58984	77326	98879	
					34655	44624	DUNBAR G A	50369	DUNTON E M	20631	29695	
				DUGGER W M		78862	DUNBAR H F	46797			70018	
				DUGRE S	98083	98093	DUNBAR J O	27016	DUNTON H L		60364	
				DUICH J M	2342	2380		65793	DUPAIGNE P	6864	25469	
				11183	29193	29194	DUNBAR M J	97972	34693	44736	74522	
				DUIH R H A VAN		49603	DUNBAR R E	87410	85829	107340	107341	
				DUIS H F		46277	DUNBAR R S	12794	DUPERON P	48539	58985	
				DUISBERG H		97024					73358	
				DUISBERG P C		56745	DUNBRANT S	21577	DUPERON R	58213	89416	
				DUISTMAN W M		71998	DUNCAN A A	5766	DUPERREX A		48063	
				DUIVEN J E		6487	44550	70085	DUPERREX H		39083	
				DUKA V I		11487	DUNCAN B	73943	DUPIAS G		17884	
				DUKE B O L		83239	DUNCAN C G	40837	DUPIN H		8351	
				DUKE E J		83978	DUNCAN C H	105425	DUPIOL M		69284	
				DUKE G B	38879	90617	DUNCAN C L	55850	DUPLAN J M		81955	
				DUKE J F		101197	DUNCAN C S	41036	DUPLATRE A		65922	
				DUKE J F JR		101197	DUNCAN D A	48890	DUPONT E I		65353	
				DUKE L P		101197	DUNCAN D P	40724	DUPONT M		29392	
				DUKE W B		48899	DUNCAN D W	105356	DUPONT P	98880	99867	
				DUKELOW W R		4458	DUNCAN E N	6019	DUPONT S	18524	98880	
				DUKES H M	3963	8436		90092	DUPORT J		84852	
				DUKES P D	258	18102	DUNCAN E R	99183	DUPORTE E M		14363	
					59436	68015	DUNCAN J	48744	DUPRAY J		77704	
				DUKMASOV N		55397	DUNCAN J	4700	DUPRAW E J		83602	
				DULANEY D D		89808		94299	DUPREE M		63540	
				DULANEY E L		58633	DUNCAN J P	56255	DUPU M		30685	
						74519	DUNCAN J R	33841	DUPUIS A		102141	
				DULBEEVA E F		70243		104904	DUPUIS C		33148	
				DULCEANU N	72210	72257	DUNCAN J T	34049	DUPUIS H		43685	
				DULEBA J		31289	DUNCAN R A	8214	DUPUIS J		7651	
								53744	DUPUY C		41425	
								106302				



ITEM			ITEM			ITEM			ITEM			ITEM		
DUPUY H J		68713	DUSTOVA R T		107639	DYBKJAER G		27471	DZIUBA S		94710	EBERT J D		62659
DUPUY H P	65995	107747	DUSZCZYK K		40184	DYBOVYI S Z		92493	DZIUBALO S		4123	EBERT K	21016	54106
DUPUY J P		82392	DUTCHER R A		27484	DYBSKAYA T I		9314	DZIUBEK T	33842	82316	EBERT W		1839
DUPUY P	43909	47729	DUTCHER R M		12977	DYBVAD P		11512	DZIUH E	72194	103672	EBERTOVA H		28306
	47730	47739		12990	13074	DYBVIK G		98533	DZIUH P J	72964	104649	EBETULLAEV A A		58717
	58237	65047	DUTEL J		1047	DYCE A L		14035			104663	EBI Y		42288
	74583	74584	DUTHEIL H		85276	DYCE E J		29396	DZIURZYNSKI P		74177	EBINA K		34289
	86822	96264	DUTHIE D A		10735	DYCK A W J		102960	DZIZENKO A K		86529	EBINE H	106803	106804
DUQUE J P		79880	DUTHIE I F		63250	DYCK P L	27676	27677	DZUIBALO S		13481		106805	106807
DUQUENOIS P		19317	DUTHIE W B	25801	97958			89262	DZUUVIC A	3559	32446		106808	107749
	47770	54105	DUTHOIT C M G		99162	DYE A P		100357	DZYADEVICH I A		102142	EBING W	23044	70105
DURAJA D J		11448	DUTHOIT M G		68312	DYE D W	18247	47433	DZYARUHINA T F		38301	EBINGER J E		82895
DURAK G		80253	DUTIL P	58570	78454			47434	DZYUBA G A		101545	EBISAWA S		82580
DURAN L	1934	74485	DUTKY S R	32997	33403	DYE M H		85582	DZYUBA N F		71906	EBIZAWA A		31802
DURAN M A		44071		63468	73471	DYE O D		72963	DZYUBAN N A		87933	EBIZAWA K	32030	66770
DURAN R		68583	DUTRIEUX J		96717	DYE W B		51399	DZYUBENKO L K		47771		93416	97823
DURAN-ALARCON H		41972	DUTT A K	20632	29407	DYEMKOUMA A		43133						97959
DURAN-HILDAIGO L		65545		49551	60033	DYER A F	8568	100189				EBIZAWA S	31901	35234
DURAN-OTERO J		45400	DUTT A S	25133	34515	DYER C D		51291		E				82682
DURAND B	18525	98881		107144		DYER D L		88128				EBLE J N		88678
DURAND F V		39871	DUTT B	32176	92165	DYER E D A		4906	EADE R A	21642	41036	EBNER D		94126
DURAND L		24760	DUTT B L	9030	99328	DYER H		81490	EADES D C		64248	EBNER L	29214	39426
DURAND M	14916	103972	DUTT B S M		68451	DYER H C		16464	EADIE J		100968			90619
DURAND R	17957	17958	DUTT G R	11242	20423	DYER I A	71622	72024	EADIE J M	32220	103200	EBNER R	43315	67572
	88581	95407		80007	15893		72025	81785						109068
DURAND Y	59407	90216	DUTT J O		15893	DYER R A		82178	EADS L D		2736	EBONGUE F		102478
DURAND-RIVIERES R		99868	DUTT M	3409	42080	DYER T A		17667	EADS R B		105095	EBRINGER L		9739
DURANDRE-AYME R		75542		103441		DYER W J		10179	EADY R D		95299	EBSTEIN M		27200
DURANEL J		54250	DUTT M C	32592	34542	DYER W J		75918	EAGELMAN J G		52098	EBY C H		3151
DURANTON H		58986		55434		DYHENFURTH K		87175	EAGLEMAN J R		79941	EBY H J		15212
DURANTON J G		48530	DUTT N		105170	DYHRENFURTH K		11489	EAGLES C F		9738	EBY R		26895
DURBACH S		80690	DUTT S C	12577	52425			45561	EAGLES J A		57077	ECCHER A		12145
DURBIN C G	44402	62661		62381	82804	DYK W		98513	EAGON H B		40185	ECCLES J J		56397
	71711	104059	DUTTA A K	18103	47242	DYKA S	55398	97712	EAKIN J H	7840	79280	ECCHANDI E		99454
DURBIN G J		66197	DUTTA B G	8834	17886	DYKE G V	69346	69519	EAKS I L		100136	ECHARD N		108656
DURBIN M		97288		26934	67946	DYLEVSKAYA I V		57677	EAMAN T K		1582	ECHAVARRIA R C		31168
DURBIN R		435	DUTTA J J		91569			57678	EAPEN K J	3358	31087	ECHEGARAY-ROME A M		46593
DURBIN R D	17959	44861	DUTTA K K		18594	DYLEWSKA M		23786			92166	ECHENIQUE L		61746
DURBLE W M		103594	DUTTA P K		39595	DYLLA A S	2566	80639	EARL J		46278			62498
DURDAN A		85320	DUTTA S K	33773	41973	DYMALSKI E		2897	EARLAND C	44451	54795	ECHEVERRI L G		17397
DURDEL A		40563			68623	DYNIN G D		102517	EARLE F R	7302	55652			57295
DURDEL W M	72791	92941	DUTTA T R		78455	DYNNA O		51738		66025	75685	ECHEVERRIA H M		27473
DURDYNAROV G		94138	DUTTLINGER E		26164	DYR J	24688	74486	EASTERLY N W		107735	ECHEVERRIA J		343
DUREAU P	60360	60361	DUTTON G J		73629	DYR J	75843	106787	EARLE N W	4643	23601		9023	77676
		60807	DUTTON H J	35153	55596	DYRDOVSKYI V U		19988	EARLE R L		73569	ECHLIN P		99869
DURET J P		94009	DUTTON J V	7456	16407	DYREDAHL S		36462	EARLE W G		107618	ECHOLS H W		33307
DURFEE A E		46138		16408	26255	DYRING T		45654	EARLE W H	26849	90438	ECHTERLING C J		55460
DURGEAT L A		39515	DUUREN A J VAN		26264	DYRNES C T		79991	EARLS A C		51171	ECK A		85349
	52832	53196	DUVAL E	25077	78968	DYRPAOV N		36545	EASLEY D H		81355	ECK H	1322	10098
DURHAM G A		52424	DUVAL J		40715	DYSON J A		42287	EASLEY G T		82179	ECK H V		20633
DURHAM L J		97939	DUVAL L		39942	DYSON W G		80968	EASLEY J F		63037	ECK W A VAN		21183
DURHAM R K		25645	DUVAL V L	21367	48823	DYSZER E		20244	EASLEY J F		35159	ECKARDT T	57559	99870
DURHAM R M		62086		69518	92294	DYUDENKO V S		12291	EAST E M		27458	ECKBLAD F E		193
DURHAM W F	18048	42390	DUVALL W		3558	DYULDIN A A		40571	EAST E M		70467	ECKBLAD I		57078
		54208	DUVOEVANI S		89417	DYUSEMBAEV F B		4702	EASTERBROOK L		65148	ECKBLAD I M		35968
DURIE E B		67945	DUVEKOT W S	96878	55107		5074	73512	EASTERLY D G		65148			57079
DURING C	10445	11488			96879	DYUZHEV P K		91071			85442	ECKE P	1904	1905
	11838	21009	DUVEL D		47731	DZASOKHOV G S		91935	EASTERLY N W		8569	ECKENRODE C J		14102
DURING W VON		67553	DUVERNEUIL G		107272	DZEBIZASHVILI YU		51550	EASTIN E F	9571	38048	ECKER G A		53919
DURIO P	30784	51552	DUVIGNEAUD J		57462	I		50975	EASTIN J A		89418	ECKER I		90553
	70744	72610	DUVIGNEAUD P		37557	DZERDZEEVSKII B L		78109	EASTLACK J O		64775	ECKERLEIN H		64089
	75025	75026		45961	47631	DZEVALTOVSKII A K		80646	EASTMAN P J		17143	ECKERSALL R N		928
	93415	96683	DUVIVIER E		45961	DZEVALTOVSKYI A K		50245			56971	ECKERSKORN W		103201
DURKEE E L		16034	DUVLEA I	63626	93957	DZEVENTSII K G		80540	EASTOE R D	52378	52406	ECKERSLEY J G H		52309
DURKEE T		47820	DUVLEA S		80349	DZHABASOV M		41974	EASTOE R D	52426	64598	ECKERT C	54940	79488
DURKIC J		32646	DUEL D	3563	72167	DZHABIEVA S A		52234	EASTON A M	33085	53246			86826
DURLACH A L		21835	DUEL P F		84520			5017	EASTON N T		63553	ECKERT J W	16023	55109
	51463	61695	DUXBURY R E		5345	DZHAFAROV N A		36983	EASTON V F	4793	23745	ECKERT R E	10012	98743
		103162	DUYM J		84288	DZHAFAROV S A		83935			73711	ECKHARDT A	50568	66767
DURLAND G R		52702	DUYSENS L N M		78938	DZHAFAROV SH M		53317	EASTWOOD T W R		8159	ECKHART G		99812
		73065	DVIHALLY S T		98512	DZHAFAROV T M		62997	EATON R B		104195	ECKHART H		3677
DURLAND J R		71523	DYORACEK J	30246	40603	DZHAFAROVA V A		39943	EATON C G		76970	ECKHOFF G		55259
DURMANOV D I		68838	DYORACEK M J		103545	DZHAFALAGONYA K T		48195	EATON E L		65388	ECKHOFF H		83176
DURMASHIDZE S V		10178	DYORAK J	13516	47082	DZHALLILOV D SH		48065	EATON F M		78456	ECKL K		96657
DURNEY G E		26767	DYORAK K		26768	DZHALLILOV D SH		10255	EATON G W	19755	38049	ECKLAD I		36308
DURNIK W		66962	DYORAK M	19291	19292	DZHAMBABASHVILI		42971		48066	95953	ECKLOFF F		72548
DURON M		6865	DYORAK M	19291	19292	YA S			EATON H D	13175	52534	ECKLUND B A		12259
DURQUET P M		27291	DYORAK M	19291	19292	DZHANKOV I	32444	32445		61980	82161		30741	61580
DURRELL L W		39774	DYORAK M	19291	19292			104145	EATON H J		92281		102890	91777
		98119	DYORAK M	19291	19292	DZHANPOLADYAN L M		24627	EATON L G		66481	ECKMULLNER O		133665
		17885	DYORAK M	19291	19292	DZHAPARIDZE L I		78110	EATON S W		13010	ECKROTH E G		2887
DURRIEU G		61966	DYORAK M	19291	19292	DZHAPARIDZE N I		14426	EATON V F		99020	ECKSTEIN H		49425
DURRWAECHTER		91824	DYORAK M	19291	19292	DZHASHI V S	105266	105267	EBAUBONNE G D		75162	ECKSTEIN Z	20244	56295
DURRWAECHTER L		65584	DYORAK M	19291	19292	DZHAVAKHISHVILI A		27395	EAVES C A	17960	65585		77521	59934
DURST J R		86823	DYORAK M	19291	19292	N			EAVEY H J		7139	ECKSTON R E		88737
DURTSCHI E		109146	DYORAK M	19291	19292	DZHEMUKHADZE K M		69198	EBAUGH L S	26791	28956	ECKTARD R		63390
DURYEE W B		103476	DYORAK M	19291	19292	DZHENEEV S YU		25470	EBEN H M		68162	ECOLE M		783
DUSA N		63921	DYORAK M	19291	19292			25471	EBE Y		28449	ECOMARD C		76752
DUSAUSOY G		104991	DYORAK M	19291	19292	DZHIBLADZE A A		42667	EBEL B H	42754	73307	EDACHAL M		92738
		54023	DYORAK M	19291	19292	DZHINDZHIKHADE Z		37839			83544	EDAHIRO M	36199	28825
DUSAUTOIS R		84287	DYORAK M	19291	19292	P			EBEL G		108993			39418
DUSABEK F	63858	94707	DYORAK M	19291	19292	DZHINGOV A	40324	40601	EBEL J P		73867	EDAMATSU K		176996
		94708	DYORAK M	19291	19292	DZHULAI A		56571	EBELING F		73867	EDAMATSU S		28957
DUSCHA J	66585	84853	DYORAK M	19291	19292	DZHULAI A P		10323	EBELING R	60116	106571	EDDOWES M		12321
DUSCHIN I	18199	18201	DYORAK M	19291	19292			11713	EBELING W	959	13905	EDDY A R		5767
		23338	DYORAK M	19										

ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
EDELMANN A 27569	EDWARDS J A--CONT 21458	EGLITIS V 2198	EICHLER H --CONT 51108	EISOLD S 103917	EDWARDS J A 34133 46364	EGNER E 16532	EISOLD S 103917
EDELMAYER H 93419	EDWARDS J L 31648	EGNER K 12261 12341	EICHLER W 23133 33494	EISSLER F 63695	EDWARDS J K J R 37840	EGNER K 21531 61578	EISSNER G 12579
EDELSHTEIN V 39348	EDWARDS K L 43644	EGOROV A I 10	EICHMEIER A H 98883	EITEL J 66771	EDWARDS M J 62283	EGOROV A V 68757	EITEL V AN E 108079
EDELSHTEIN V I 78457	EDWARDS M V 30435	EGOROV E N 84715	EICHNER H 12993	EITEL GORGE O 84597	EDWARDS P I 108620	EGOROV I V 92426	EITEL V AN E 86634
EDELSON M R 21688	EDWARDS R G 72548	EGOROV M E 34543	EICHRODT R 50524	EITEL L T 36805	EDWARDS R I 54007	EGOROV N N 105358	EITEL V AN E 108079
EDEN C J 2814	EDWARDS R L 13667	EGOROV N S 79920	EICHSTADT J 56169	EITMINAVICIUTE I 49835	EDWARDS R L 16000 25892	EGOROV V E 11268 20424	EITZNER G 96035
EDEN D R A 10625 28826	EDWARDS S M 47371	EGOROV V I 17962	EICK R 27492	EK E 54464	EDWARDS S J 12983	EGOROV V V 60596 70698	EK I 91654
EDEN T 20634	EDWARDS S T 96306	EGOROV V I 17962	EICKHOFF W D 15666	EKANM J 6411	EDWARDS S W 106145	EGOROV V V 60596 70698	EKANAYAKE D T 9411
EDEN W G 23220 52728	EDWARDS T E 96306	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EDWARDS W H 4623	EGOROV V V 60596 70698	EKANAYAKE U B M 63612
EDEN W G 73183 83487 105201	EDWARDS W J 41496	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EDWARDS W J 41496	EGOROV V I 17962	EKANAYAKE U B M 63612
EDENS J B 51150	EDWARDS W M 101648	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EDWARDS W M 101648	EGOROV V I 17962	EKANAYAKE U B M 63612
EDENS J D 104107	EDWARDSON J R 19616	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EDWARDSON J R 19616	EGOROV V I 17962	EKANAYAKE U B M 63612
EDENS W J 34797	EDWIN J P 92423	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EDWIN J P 92423	EGOROV V I 17962	EKANAYAKE U B M 63612
EDERSTROM H E 104334	EDWIN J R 92423	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EDWIN J R 92423	EGOROV V I 17962	EKANAYAKE U B M 63612
EDERSON J F B 42476	EDYGENOV K 54073	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EDYGENOV K 54073	EGOROV V I 17962	EKANAYAKE U B M 63612
EDGAR D G 3152 12992	EECKHAUT R G 54209	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EECKHAUT R G 54209	EGOROV V I 17962	EKANAYAKE U B M 63612
EDGAR 42132 52361 103673	EECKLO R 54210 54211	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EECKLO R 54210 54211	EGOROV V I 17962	EKANAYAKE U B M 63612
EDGAR E 98882	EELG-LARSEN T 57080	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EELG-LARSEN T 57080	EGOROV V I 17962	EKANAYAKE U B M 63612
EDGAR R A 63041 104557	EELW A F VAN 73359	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EELW A F VAN 73359	EGOROV V I 17962	EKANAYAKE U B M 63612
EDGAR S A 62813 104335	EELW J J 73513	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EELW J J 73513	EGOROV V I 17962	EKANAYAKE U B M 63612
EDGAROV D 2343	EERNSTMAN T 22947	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EERNSTMAN T 22947	EGOROV V I 17962	EKANAYAKE U B M 63612
EDGERLY C G M 41504	EFASTATIOU L 31088	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFASTATIOU L 31088	EGOROV V I 17962	EKANAYAKE U B M 63612
EDGERTON C W 36451	EFFERSON J N 59175	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFFERSON J N 59175	EGOROV V I 17962	EKANAYAKE U B M 63612
EDGERTON L J 38050	EFFORT I E 14427	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFFORT I E 14427	EGOROV V I 17962	EKANAYAKE U B M 63612
EDLIN H 44595 58590	EFFRONT Y 107664	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFFRONT Y 107664	EGOROV V I 17962	EKANAYAKE U B M 63612
EDLINGTON L V 47243	EFIMENKO V M 90093	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMENKO V M 90093	EGOROV V I 17962	EKANAYAKE U B M 63612
EDGOOSE H P 53676	EFIMOV A 103448	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV A 103448	EGOROV V I 17962	EKANAYAKE U B M 63612
EDGREN R A 104198	EFIMOV M 33922	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV M 33922	EGOROV V I 17962	EKANAYAKE U B M 63612
EDKEW R K 85823	EFIMOV M I 106285	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV M I 106285	EGOROV V I 17962	EKANAYAKE U B M 63612
EDLIN H 50976	EFIMOV V A 9740	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V A 9740	EGOROV V I 17962	EKANAYAKE U B M 63612
EDLIN H 8683	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDLIN H 61016	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDLUND A 49310	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDLUND V G 45901	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDMINSTER F C 87309	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDMOND D B 28631	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDMOND J B 49016	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDMOND A S 67018	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDMONSON J E 24870	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDMONSON L F 103781	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDMONSON V W 74930	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDMONSON A 52126	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDMONSON A H 52126	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDMONSON J M 37958	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDMUNDOWICZ J M 19293	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDMUNDS G F 5601	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDMUNDS H 41426	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDMUNDS J 22023	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDMUNDS L K 344	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDMUNDS L N 47244	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDNEY J M 3153	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDNEY K L 55141	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDOMSKII O I 4907	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDREVA A 328	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDSALL J T 54094	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDSALL R S 19793	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDSON E F 68016	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDSON S N 60122	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDU E 103307	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWALL B 53839	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARD A G 71623	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARD D H D 33149	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARD G 16661	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARD J C 17961	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS A B 63922 99682	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS A D 106471	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS A M 33455	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS A R 32753	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS B 57611	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS C 12930	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS C A 13930	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS C H 15382	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS D C 16368	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS D F 11140	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS D I 88905	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS D K 73806	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS D M 6961	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS E 43260	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS E U 43261	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS F E 100878	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS G A 44862	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS G H 55260	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS G J 55566	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS H M 65598	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS I 4142	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS J 13173	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612
EDWARDS J A 16095	EFIMOV V 19866	EGOROV V I 17962	EICKHOF W D 24986	EKANAYAKE U B M 63612	EFIMOV V 19866	EGOROV V I 17962	EKANAYAKE U B M 63612



ELAZER T H--CONT	82590	ELLIOTT E S	99330	ELSON K	84404	ENANDER G	21400	ENGH J H	57673
ELEKES G	90058		100479	ELSSMAN H	2725	ENAND S	33843	ENGBIOUS J C	102310
ELEMA H M 15031	15242	ELLIOTT F C	28582	ELST N VAN DER	27600	ENARI T M 16096	65688	ENGLAND C W	24814
33537 40186	43592	29195 48543	48774	ELSTRAND E 35496	35985	ENBOM A W	55136	ENGLAND D C	16203
ELEMANOV A E	52362	48825 58388	58403		85199	ENCEVIK Z	104262		82984
ELENEWSKI J J	59692	79235 100595	105220	ELSUKOV M P	19617	ENCHEV E	51366	ENGLAND G M	54571
ELENKOV E 29041	37211	ELLIOTT H N	259	ELSWORTH F F	54798	ENCHEV S	13683 31988	ENGLAND N 61968	71908
	88878	ELLIOTT I L	101887	ELTING E C	36588		32224	ENGLAND N C	83242
ELES L	43897		109255	ELTON E T G	23385		104650	ENGLAND W H	68452
ELEUTERIUS L N	99329	ELLIOTT J G	39458	ELTON G A H	44864	ENCHEV YA	48074	ENGLART W	10738
ELEY C P 6786	15952		49426	55261 74488	85901	ENDARI T M	6270	ENGLE A J	94083
ELEY D D	74330	ELLIOTT L H	51243	ELTSAN N S	93648	ENDE G VAN DEN	88981	ENGLE C F	2274
ELFA-ELSTERWERDA--VEB	73996	ELLIOTT M	63391	ELTSON S G	81956		89106	ENGLE G G	7842
		ELLIOTT N M	7094	ELVEHEM C A	56258	ENDE H	62387	ENGLE H B	19727
ELFFERICH N W	95410	52391 52487	82739	ELWAN S H 60194	60195	ENDEMANN W	49003 101090	ENGLE J B	90620
	95411	ELLIOTT R	46365	ELWELL H M 21216	101486	ENDER C S	54799	ENGLEDOW R A	76130
ELFQVIST S	51966		90395	ELWOOD E M 76398	76399	ENDER F	52068	ENGLEHORN A J	60365
ELFVING R	105873	ELLIOTT R C	22058		86692	ENDERLEIN G	5307	ENGLEMAN E M	9412
ELFWING Y	26623	22780	41506	ELY L B	64144	ENDERLEIN H	61192	ENGLER A	50849
ELGABALY M M	47932		93623	ELY N	102144	ENDERS A C 81750	82419	ENGLER K	11714
	60106	ELLIOTT R F	51400	ELY R T	97825	ENDERS R K	82419	ENGLER P F	22059
ELGASS J S	74383		72925	ELYAKOV G B	86529	ENDERS-RUCKLE G	103632	ENGLER R	18399
ELGHAMRY M I	61633	ELLIOTT R P	7352		2815	ENDERSBY H J	81360	ENGLERT D C	5209
	82491	45212	54128	ELYSEU A P	86510	ENDLICH B	77078	ENGLERT H K	14513 33086
ELIA P 2025	15032	ELLIOTT W A	14294	ELZ D K	48073	ENDO A	51454		22973
ELIADE E 8871	57712	ELLIS B	70557	ELZAM O E	3562	ENDO B Y	85717	ENGLISH H G	36454 63253
	99079	ELLIS B G	80405	ELZE K	3562		37497		4543
ELIAS J E	46280	ELLIS C C	41976	ELZINGA G	99809	ENDO I	107448		93904
ELIAS L G 46475	76845	ELLIS C T	96064	ELZIUS C C D	95615	ENDO K	28745	ENGLISH L L	27266
	86268	ELLIS D E	37055		51244		80850	ENGLISH L L	23386
ELIAS M 38348	93621	ELLIS D J	13860	EMALDI G C 24761	71234	ENDO M	5000	ENGLISH R M	43961
	93652		62163 104944		24887	ENDO R M	37213	ENGLISH V	103651
ELIAS R	37434	ELLIS E	73918		24987		99163	ENGLISH W H	27125
ELIASON D A	23724	ELLIS E M	41591 103202	EMANUELSON H	76597	ENDO S	33792	ENGLUND E	15361
ELIASON E	43405	ELLIS F B	84929	EMANUELSSON H	72027		44427	ENGLUND S	101681
ELIASON I	97639	ELLIS F E	4260 43505	EMANUILOV I	62205	ENDO T	784	ENGRAND J	23003
ELIASON L	100192	93421	97290 104483		83604	ENDREJAT E	33538	ENGSTEDT G	27885
ELIASSON S	100785		104484 107800	EMBLETON T W	20430	ENDRES G	33670	49077	79793
ELIESCU G	43263	ELLIS G	62086		60407	ENDRES H	14002	ENGSTROM G	12146 108828
ELIGIO-SAINT	3140	ELLIS G F	41427	EMBLIK E 16242	100194		7219	ENGSTROM M	21579
ELIOT J N 5510	105958	ELLIS I G	103974	EMBREE R W	16242	ENDRIZZI J E	86211	ENIG K	3156
ELISEEV I G	72026	ELLIS I J	22132	EMBREE W D	89421		18708	5363 51493	91936
ELISEEV I P	18890	ELLIS J F	27883	EMBRIET W W	36379	27634 37829	37842	91937	92429
	19820	29234	29288	EMBRY L B 3443	31169	ENDRIZZI L	107215	ENIKEYEV H K	69740
ELISEEV K	61634	ELLIS J H	35984	31169	72779	ENDRODI J	75842	ENILEEV KH KH	38054
ELISEEV P I	16620	ELLIS J J	99087	EMBRY R S	30436	ENDRODI S	94853	ENKE S	75940
ELISEEV V A	37667	ELLIS J W	7338	EMCH J C	22853	ENDRODY-YOUNG S	94854	ENKERLIN S D	105171
ELISEEVA O I	68759	ELLIS M B	88511	EMDEN J H VAN	9744	ENDTMANN J 94	88296	ENKOVA A P	101175
ELISEV F	50603	ELLIS P E	14913	EMDIN R	31407	ENDZIN A K	92113	ENKIVST	41126
ELISTRATOVA N P	102835	33452	106070	EMECZ T I	18290	ENEB L	61448	ENNEVAARA P	50955
ELITROPI C	1499	ELLIS P R	3155	EMELINA A M	22173	ENENKEL H J	12637		51017
ELIZALDE M	75834	ELLIS P W	93211	EMELANOV A	76375	ENERCAN S	68101	ENNIS W B	20247
ELIZALDE-MAC-CLURE R	20968	ELLIS R	39949	EMELANOV A A	86981		69648		99164
			68184	EMELANOV A S	51847	ENEROTH O	50708	ENNIS W R	88658
ELIZAROV YU A	14493	ELLIS R A	82552	EMELANOV F A	18891	ENESCU D	2468	ENNS W R	8968
ELIZONDO M J	63494	ELLIS R F	84941	EMELANOV V A	2102	ENESCU L	36365	88582	88659
ELKAN G M	49812	ELLIS R J	58592	EMELANOV M M	6899	ENESCU V	12087	2199	102288
ELKIN K F	27475	ELLIS S J P	58593	EMELANOV O V	15175	ENESE L	16788	END C F	66490
ELKINGTON T T	68358	ELLIS T D	95805	EMELANOV V V	38289	ENFIADZAN L	86982	END W	66490
	68359	1654	48071	EMERICK R J	3443	ENFIELD F D	72912	ENOCHIAN R V	44865
ELKINTON C M	56972		48468	12928 31169	72779		104766	ENOKI I	24449
ELKNER A	104229	ELLIS W C	73514	EMERIT M	73514	ENFIELD G	87396	ENOKIDA E	80124
ELKS C B	35221	ELLISON H J	67201	EMERSON D	67201	ENFIELD G H	87396	ENOMOTO I	26839
ELLEFSOEN O 12358	15846	ELLISON J H	80294	EMERSON J A	86170	ENFIELD H	80294	ENOMOTO M	54801
	21578	38416	41208	EMERSON K C	23948	ENG K S	41208	ENOS E E	54983
ELLENA G 19506	50014	ELLISON M	95616	53564 73887	95616		41209	ENOS H F	93114
ELLENBERG H	9316	ELLISON M L	58389	EMERSON S	58389	ENG T L	98715	ENOS H L	43751
ELLENBERGER C E	27333	ELLISON R A	52781	EMERSON T E	52781	ENGAN-SKEI I	82182	ENOSHEVSKAYA K K	75199
ELLENROGEN B L	36064	ELLISON T	69830	EMERSON W J	69830		92428	ENQUIST F E	46542
56404	97631	ELLISON W	11182	EMERSON W W	11182	ENGBERG I	103677	ENRIGHT E J	74383
ELLENBY C	73472	ELLISON W L	70417	EMERSON W W	11182	ENGBRETSON T O	22332	ENRIGHT T R	43506
ELLENDER A J	45491		70417	49605 54443	70417	ENGEL B	43428	ENRIQUEZ C G	2075
	45491	ELLMORE M F	101714	EMERY B E	98112	ENGEL E	95710	ENRIQUEZ-DE-SALA-MANCA	52236
ELLER J G 43351	105558	ELLMORE T	98112	EMERY D	98112	ENGEL H	8432	ENSLER H I	61748
ELLER R	41402	ELLS B	41402	EMERY D E	98422		49427	ENSLER H I	108033
ELLERBE C M	49631	ELLS J E	10914	EMERY D E	47849	101487	101826	ENSMINGER D	48446
ELLERSIEK H	52369		38053	EMERY R S	1840	ENGEL H F	108802	ENSMINGER L E	78527
ELLERSTROM S	77154	ELLSWORTH H M	49312		3115	ENGEL D S	961	ENSMINGER M E	13472
	78236	ELLWOOD E L	85763	EMGE S	103592	ENGEL R E	29167	52125 52126	97826
ELLERT H 54598	53474		61590	EMILIANI ROMAN R	104844	ENGEL R W	46447		106193
ELLERTSON F E	87976	ELLWOOD H	107862	EMILSSON B	64789	54212 103084	103552	ENSOR C R	104652
ELLERTSON M E	85387	ELLZEY H D 19473	62124	37212	68760	ENGBART K	92951	ENSTIPP H J	43731
ELLET C W	27309	ELLMANOV S I	77683	EMMANUILOV A I	77683	ENGBERG F VON	25295		106417
ELLETSON S C	61459	ELMER H S	63798	EMMEL J F	95412	ENGBERT L E	2312	ENSTROM A	27486
ELLIKER P R	7193	ELMER J L	27493	EMMEL T C	95412		39755	ENSTROM B F	61444
7194	54494	48072	94361	EMMEL J C	95413	ENGBRECHT A H P	18291	ENSZ B	46238
ELLING L J 48070	85388	ELMORE M H	79882	EMMENS C W	95413	ENGBRECHT D J	47553	ENT H	46139
48834 48911	48832	ELMORE C M	49802	EMMENTAL A G	74688	ENGBRECHT H P	78090	ENTE P J	29603
ELLINGBOE A H	37668	ELMOSSALAMI E	94061	EMMER	28958	ENGBRECHT L	19056	ENTENMAN F M	90499
ELLINGER K R	6406	ELOFF D H	75565	EMMERLING A	45318	79074	89423	ENTESSAR F	42188
54558	54559	ELLOMAA E 2993	71438	EMMERT E M	16679	ENGELENDER J	52564		82797
ELLINGTON C	79090	ELLOVSSON G	12402	EMMINGER A C	69665	ENGELER W	71907	ENTRICAN A R	11918
ELLINGTON J	75089	ELRICK D E 49604	63444	EMMONS C W	63444		3993		40996
ELLINGTON J J	32754	ELRINGTON J D	71515	EMMONS D B	71819	ENGELHARDT F	3993	ENTWISTEL P F	33087
ELLINKHUIZEN W	44992		74995	EMO J A	17334	ENGELHARDT H	108681	ENTWISTEL P F	5146
		ELROD B	79942	EMONNOT P	103391	ENGELHARDT M	100195	23847 52926	94855
ELLIOT I L	101713	ELROD J C	73997	EMORI M	32822	ENGELHARDT O	45360	ENYEDI M T	105267
ELLIOT J G	59935	ELROD J M	79561	EMORY S T	94374	ENGELHARDT W	20969	ENYEDI S	14111
ELLIOT J M 9742	22091	ELROD W E	25537	EMPEL W	3897	ENGELHARDT W V	105450	ENYI B A C	62144
	62211		58418	EMPIG L T	20125	ENGELHARDT W VON	82806	18892 48076	9745
ELLIOT N E	16948	ELSAESSER S	108826	EMPSON J D 54599	65126		61762	89424 89425	70527
ELLIOT R 2879	108825	ELSAID H M	100581		50653	ENGELKE F	41507		100190
ELLIOTT A	107118	ELSASSER A	68128	EMPROVIC B	3338				

EPBRIGHT E	57082	ERIKSSON G	46140	108682	ERTL E	61925	ESSARY E O--CONT	45213	EVANS D E	105172
EPBRIGHT E S	8314	ERIKSSON J	69520	98518	ERTL J	108254		66075	EVANS D T	26770
	36310	ERIKSSON S		20126	ERTL R	98024	ESSBACH A R	29197	EVANS E B	58129
EPPS E A	25075	ERIKSSON C H		14948	ERTLOVA E	73630	ESSCHE R VAN	12580		98514
EPPS J M	37498			14949	ERVIO L R	88708	ESSELEN W B	85026	EVANS E C	48078
EPBSON H F	19400	ERIKSEN M		59693	ERVIO R	2346	ESSEN A VAN	99699	EVANS E F	35609
	92041	ERIKSEN D R		76973	ERWIN D C	37214	ESSEN H VAN	86713	EVANS E J	9747
EPSTEIN A H	37503	ERIKSEN S	4544	82051		47246	ESSENBURG B H VON	93384	EVANS E M	68129
EPSTEIN B	51848	ERIKSON A L		65910	ERWIN E S	41592	DER		EVANS E P	1935
	93300	ERIKSON D R		74759	ERWIN M W	51711	ESSENBURG J F W	104833	EVANS E V	3925
EPSTEIN E	27887	ERIKSSON B	31170	41712	ES A J H VAN	41508	ESSER K	964	EVANS F C	47696
	29998		86457	96667	ESASHI Y	963		19296	EVANS G C	9807
	58819	ERIKSSON C		44597	ESAU K	9412	ESSER M	32031	EVANS G N	101641
EPSTEIN H	72737	ERIKSSON E	12369	12370		47715	ESSER R P	99683	EVANS G O	23553
EPSTEIN H T				61558		99845	ESSER W M	87362		42912
				80541	ESAULOV P A		ESSIG R E	85114	33045	94712
EPSTEIN M I		ERIKSSON G	29043	78263			ESSIG H W	71970	EVANS G W	55550
EPSTEIN YA E		ERIKSSON H I		51253	ESAULOVA I N			104600	EVANS H	1655
EPSZTEIN T	76754	ERIKSSON I		7843	ESBO H	7411	ESTABROOK R W	78928	24229	48079
ERASLAN I		ERIKSSON J	98822	98996		26221	ESTABROOKS E E	67130	EVANS H E	5446
ERASMUS B J		ERIKSSON K B		68307		57248	ESTADA-GIRAUTA M	6901	55399	84078
	31672	ERIKSSON K E		61449	ESCALANTE M G			55181	EVANS H J	19358
ERASMUS D A	31714	ERIKSSON P A		46944	ESCARDO G		16040	81153	34705	58240
ERASMUS J E		ERIKSSON S	22906	34798	ESCARPITA H A			102145	68454	90928
			50248	51401	ESCARPITA-HERRERA			36067	EVANS H O	7844
				51495				66585	EVANS I A	4545
ERASMUS J M				16790	ESCH F		ESTES B S	27430	EVANS I M	33382
ERB R E	61969	ERIN N		79282	ESCH M W			108995	EVANS J	52237
	72349	ERINGIS K	49835	41296	ESCH J A H		ESTES F C	87607	EVANS J C W	81490
		ERISMAN		12994	ESCHENA T	11243	ESTES G O	29702	EVANS J D	48306
ERBACH D C		ERISMAN H		36450	ESCHENBACH R		ESTES L W	68453	EVANS J F	87511
ERBE		ERISMAN K H		78431	ESCHENBACH R		ESTES F	18465	EVANS J L	22037
ERBEN B				70815	ESCHENBRENNER G H		ESTEVES A B	24631		71668
ERCANBRACK S K		ERIVES C M F		91938	ESCHENHAGEN M		ESTEVES L A	61750		103185
ERCEGOVAC D		ERK N		68300	ESCHERICH K L		ESTEY R H	511	EVANS J M A	59398
	81751	ERKELENS-NANNINGA			ESCHINI L B			77952	EVANS J R	13844
ERCEGOVICH C D		K E		66200	ESCHLE J L		ESTIOKO B R	88933	EVANS J V	3361
ERCOLANI G L		ERKILIC H		93542	ESCHLER E			95851		103205
	58042	ERKOL M		77155	ESCHLER R	35877	ESTOL J	52181	EVANS J W	14732
ERCSSENYI I		ERKUN V		106934			ESTOLA T	71712		83141
ERCZHEGYI L		ERLAND S	74689	14793	ESCHLER R E		ESTRADA E	17015	EVANS K H	69521
	34248	ERLANDSSON S		99271	ESCHMANN H		ESTRADA M T G	100674	EVANS L	41593
	74620	ERLANGER B F		64643	ESCHNAUER H		ESTRADA N	90508	EVANS L B	41645
ERDEI F		ERLECKE K H		78757	ESCHNER A R		ESTRADA R	90508	EVANS L D	61305
	26778			55263		29658	ESTRADA-ARANGO J	41297	EVANS L E	58390
ERDEI J		ERLER K H		93832	ESCHRIC W	11		45058	EVANS L J C	16894
ERDEI M		ERLER W		61970	ESCLAPON G DE R D		ESTRADA-CARBONELL	22530	EVANS L T	18893
ERDEI P	11659	ERMACHKENKOV N N		98810			E			48080
ERDEI S	10446	ERMAKOV A I		90293	ESCOBAR J A		ESTRINA A	43429	EVANS M C	10739
	47084	ERMAKOV B S		38285	ESCOBAR-MOTTA H		ESUMI K	43815	EVANS N	29897
ERDELYI MRS L		ERMAKOV E I		95828	ESCOBER J T		ESUMI S	32032	EVANS N A	2110
ERDELYI S		ERMAKOV YU V		14646	ESCORA R	35235	ESVANDZHIYA G A	70086		40312
ERDELYI Z		ERMAKOVA R M		68761	ESCUDIE E		ETCHEBARNER J	65201	EVANS O	97041
ERDMAN A M		ERMAKOVA R N		68762	ESCURO P B	10921	ETCHEVERRIGARAY E	93300	EVANS O D	17704
ERDMAN H E				53695	ESDAERT L		ETCHEVERRY M	43060		17707
ERDMAN J A		ERMICH D	2469	70671	ESDENTHER G R			345	EVANS O R	91194
ERDMAN L W				68361			ETHERIDGE D E	55143	EVANS O W	22333
ERDMANN H	86128	ERMICH K		76265	ESER H		ETHERIDGE F E	72123	EVANS P S	99876
ERDMANN M H		ERMIN L		42972	ESHRACH C E		ETHERIDGE J R	72300	EVANS R	54802
ERDMANN W		ERMISCH K	14515	94856	ESHACH C E			58662	EVANS R A	9748
ERDOGAN E			83828	12995	ESHACH C E	84753	ETHERTON B	34956	EVANS R B	19618
ERDOS J		ERMOLAEV B B		76797	ESHBAUGH E		ETHERTON J	9123	EVANS R R	34922
ERDOS P	26758	ERMOLAEV D I		38796	ESHCHERKINA M S		ETHIRAJ S	48946	EVANS R D	6867
ERDTMAN G		ERMOLAEV I		70336	ESHKOL L		ETHIRAJAN A S	48983	EVANS R J	54995
	89107	ERMOLCHENKO V A		70421	ESHLEMAN J N			6757		
ERDTMAN H	19295	ERMOLCHENKO D		71131	ESHLEMAN J R		ETINGER-TULCZYNS-		EVANS R L	55144
	21661	ERMOLCHENKO I		90500			KA R		EVANS S	2026
EREMEEV A A		ERMOLCHENKO I		42176	ESHUIS		ETKIN W	81904	EVANS S A	20250
EREMEEV K		ERMOLCHENKO B N		20248	ESHUIS D		ETO M	83936	39460	70087
EREMEEV YU N		ERNE K		42506	ESIKOV V I			93958	EVANS S D	11244
EREMENKO G G		ERNEK E	23157	83788	ESIN A			72251		39699
				91721	ESIOPOV A M		ETO S	104333	EVANS S SERV	44866
EREMENKO G V		ERNEST F M	12383	41888	ESIOPOV V		ETREBY M F EL	89827	EVANS SIR G	27557
EREN J		ERNHAFT J		92703	ESKOVA I V		ETTEN J L VAN	64250	EVANS T B	54156
ERENBURG P		ERNO H		261	ESKE A		ETTENNE A	39082	EVANS T C	48827
ERES A		ERNOULD L	260	21473	ESKE E B	69392	ETTER A F	9317	EVANS T G	104263
ERFELING G		ERNST		21513	ESKEW K R	16056	ETTER H	14180	EVANS W C	4545
ERFURT G		ERNST C		57908			ETTESHANK G	30205	61752	78939
ERFURT H J		ERNST D		95617	ESKILDSEN C R		ETTESTAD O	175	EVANS W G	63923
ERGAN M		ERNST E		81267			ETTL H	70399	EVANS W H	4674
ERGLESYAN R A		ERNST F		53719	ESKOL L		ETTLINGER L	26034		105968
ERGLESYAN R A		ERNST G		62311	ESKOLSSON L	13934	ETTORI D J T	108512	EVANS W J	102913
ERGLESYAN R A		ERNST H		81547	ESKOLSSON L		ETTRE L S	75702	EVANS W M	81741
ERHARD C		ERNST I		40187	ESLER A E		EUBANK N H	103681	EVANS W M R	72016
ERHARD L		ERNST J		95976	ESLICK R F	1476	EUBANK P T	55159		72028
ERHARDT C VON		ERNST K	84661	108651	ESMAY M L	64670	EUFEMIO N	16513	EVATT N S	28165
	45129			36806			EUGENE G	83606	EVDOKIMOV E S	91939
	55595	ERNST W R		6976	ESPANA E		EULER H V	103204	EVDOKIMOV P D	71713
	65985	ERNSTBERGER W		107006	ESPANA E M		EULER H VON	19297	EVDOKIMOVA N YA	4144
ERHART G	106867	ERNSTROM C A		36065	ESPANOL F	5147	UNUS A M	78264		82641
		ERDEN N L		102439		53247	EUSEBIO J A	63196	EVE A	5148
ERICHSEN A W		ERDOFEEV L N		42495		105625	EUSEBOI J A	72995	EVELEIGH D E	2979
ERICKSON A		ERDOFEEV V S		67393	ESPARZA H		EUTHIN P	66482	27396	58599
ERICKSON B H		ERDOFEEVA N N		33948	ESPEN J VAN		EUTING H H	50450	EVELEIGH J R	82408
ERICKSON C J		ERDOFEEVA N N		66143	ESPEY L L		EUVERTE G	94515		82680
ERICKSON D E		ERDOFEEVA N N		86828	ESPEY L L		EUZEY J	51496	EVELETH D F	42289
	35903	ERDOFEEVA N N		21269	ESPINAL T L S		EVANCOE E J	21397	51497	52575
ERICKSON D O		ERPERT S D		99872	ESPINOZA L		EVANGELISTI A	95946	52590	52589
		ERRERA M		46639	ESPINOZA L		EVANGELOPOULOS A	3158		70528
ERICKSON D R		ERRERA G		41978	ESPINOZA L		EVANDOV E	53882	EVELYN S H	83417
		ERRINGTON P S		7709	ESPINOZA L			11494	EVENHUIS H H	24988
ERICKSON E C		ERSHOV I		39349	ESPINOZA L		EVANS A C	11493	EVENHUIS N	76974
ERICKSON H D		ERSHOV S		40064	ESPINOZA L		EVANS A M	18528	EVENHUIS N	76975
ERICKSON H T		ERSHOV S		30889	ESPINOZA L			95239	EVENS E D	27099
ERICKSON J O		ERSHOVA V L		28422	ESPINOZA L		EVANS A W	78461	EVENSEN V	65858
ERICKSON K	43988			104773	ESPINOZA L		EVANS B M	11023	EVENSEN D E	50291
				69961	ESPINOZA L		EVANS C	34954	EVENSEN E	70449
ERICKSON L C		ERSHOVA V L		69962	ESPINOZA L		EVANS C A	17015	EVENSEN J P	96718
	38431	ERSKINE J M		54650	ESPINOZA L		EVANS C D	104556	EVENSEN P D	70529
ERICKSON R W		ERSOY I		101395	ESPINOZA L			65987	EVERQUOZ M	19767
ERICKSON V G		ERSOY V		97445	ESPINOZA L		EVANS C E	45141	EVERAERT G	49049
ERISON J		ERSSON V		106605	ESPINOZA L			65987	EVERARD J	51086
ERISON J E		ERTEL W	30247	40543	ESPINOZA L		EVANS D	80221	EVERETT B L L	57290
ERISON L E		ERTINGSHAUSEN G		89791	ESPINOZA L		EVANS D A	64145	EVERETT G	13665
					ESPINOZA L		EVANS D C P	15693	EVERETT L	108392
					ESPINOZA L			48826	EVERETT P C	101293





	ITEM		ITEM		ITEM		ITEM		ITEM		
FAURRE L	84292	FEDOROV A A--CONT	36742	FEKETE Z	50655	50776	FENTON A	17449	27589	FERNANDEZ-BAROJA	86277
FAUSCH H D	52126	57492 77230	81958	FEL A		80466	FENTON F E		44334	M E	
FAUSER W	45533	FEDOROV A I	79390	FEL A		66336	FENTON R		11954	FERNANDEZ-DIAZ M	33987
FAUST A P	90961		103767	FEL DMAN E B		65849	FENTON R H	30240	30326	J	
FAUST E C	52782	FEDOROV A K	966	FELBECK G T		90862			71235	FERNANDEZ-FERRE R	45455
FAUST F S	104219	38056 68765	100207	FELD H N	6868	96776	FENTON W N		36031	FERNANDEZ-GIANOT-	85667
FAUST H	41668	FEDOROV A M	100207	FELDHAY H		80346	FENWICK D W		69718	TI A A	
FAUST J L	90398	FEDOROV N I	38057	FELDOHEIM W		25351			101146	FERNANDEZ-LUQUE J	1482
FAUST M A	48082	FEDOROV P S	27889	FELDMAIER C		39181	FENWICK P E		72969	L	
FAUST R	67240	28122 28309	78940	FELDMAN A M		30890	FENYES T		107674	FERNANDEZ-MARTIN-	19869
FAUST S D	52704	FEDOROV V	31291			31872	FENZL R N		80545	EZ S	
FAUST S L	2027	FEDOROV YU V	42495	FELDMAN A W		491	FEO C		82373	FERNANDEZ-Y-FERN-	97546
FAUSTINO D G		FEDOROVA G P	38616			99719	FEOFFROFF A		20379	ANDEZ R	
FAUSTKA K	109192	FEDOROVA N A	27890	FELDMAN C		26625	FEOFANOVA N D		78782	FERNANDO C H	53392
FAUSTOV V V	69209	FEDOROVA N I	71715	FELDMAN D		51306	89432 89433		89657	95187	105794
FAUTH C	43401	FEDOROVA R V	8571	FELDMAN F		24174	FEOFILOVA E P		48623	FERNANDO J K T	34659
FAUTZ B	98057	FEDOROVA T L	12714	FELDMAN G L		41979	FERAND G	32822	32824	FERNANDO L H	50042
FAVA A	33457		30994	FELDMAN J M		99684		105263	105268	FERNANDO S D A	21884
FAVARD A	89109	FEDOROVICI V	72285	FELDMAN N		41052	FERANDO T M		77778	21859 22613	61754
FAVARD P	18292	FEDOROVSKII N P	104338	FELDMAN N L		967	FERAUGE M T		28238	63255	82602
42668 63543	94462	FEDOROVSKII V D	63699	FELDMAN R G		75596			100494	FERNANDO T M	9111
FAVARDO-SERENO C	14916	FEDOROWICZ W	35640	FELDMAN W H		12582	FERAUGE T		60369	FERNANDO W W H S	62328
FAVARETTI G	44643	FEDOROWSKA Z	65784	FELDMAN-MUHSAM B		103206	FERBER A E		81245	FERNANDO-ALVAREZ	94401
56400 85666	97545		107547	FELDMANN		14007	FERBER E		46448	R	547
FAVARGER C	17589	FEDOSEEV A A	54804	FELDMANN E		84472	FERBER R		96150	FERNAROLI L	103485
18532 78266			85584	FELDMANN F	5769	31715	FERDERICKSON M		93423	FERNEY J	22200
FAVATI V	32247	24001	24001	24174 43433		53635	FEREBEE D C		95978		71742
FAVERO A	59801	FEDOSEEV B	1583			106391	FEREDEAN T		93576	FERNON B J	54806
FAVIER J	82444	FEDOSEEV B V	70310	FELDMANN J		88475	FERENCIAK M	51740	72520	FERNOW B E	67607
FAVIER-BIECHER Y	100599	FEDOSEEV G A	73545	FELDMANN J		496	FERENCZ G		92162	FERNQVIST I	10602
FAVILLI R	20789	FEDOSSENKO A K	73545	FELDMANN J	37500	99685	FERENCZ V	29696	80295		10663
	58602	FEDOSIMOV A N	102478	FELDSHTEIN M		30891	FERENCZI S	24632	34248	FERNQVIST N	41712
FAVINGER J J	94859	FEDOTOV I M	106334	FELDSHTEIN M A		3173			106790		86789
FAVRE C	19767	FEDOTOV N I	26265	12592		72297	FERENIEC J		86716	FEROB M	83143
FAVRE G	90687	FEDOTOVA T M	88710	FELDTMAN H D		54805	FERGUS C L	968	18108	FERON M	52927
FAVRE M C	27476		47247			107139	67947 77738		99304	FERON R	30785
FAVRE-BOUVIN J	1382	FEDUCHY-MARINO E	44167			30096			100618	FERRACUTTI N N	97426
FAVRE-DOUHARTRE M	37670		85099	FELENCEZAK W		30096	FERGUS I F		11559	FERRAGUT C	26969
	89110	FEDULOVA A P	48399	FELICE D E		86830	FERGUSON C E		39633	FERRANDO R	6548
FAVREAU J	77686	FEDULOVA S V	16763	FELICE P DE		66988			54984	8444 12487	21759
FAVRET E A	47850	FEDYUK V	86715	FELICIANO G D		8540	FERGUSON C M		67133	21760 21981	41210
FAVSTOVA V	107022	FEDYUK V E	56401	FELINSKI L		52428	FERGUSON D		98734	42178 51402	63256
FAWELL E V	62634	FEDYUSHIN F E	13833	FELIP G DE	65436	48083	FERGUSON D C		64186	71624 71625	81649
FAWI M T	62183	FE E A	61971	FELTSIANT I N		22060	FERGUSON D E		4644		91834
FAWZI N M	65059	FEELY D P	69963	FELIU S		22691			63381	FERRANTE U	16791
FAY P	99880	FEELY J	7297	FELIX L C		68130	42391		72400	FERRAO A M A B DA	58604
FAY R W	4704		100647	FELIX S	9103	6619	FERGUSON D L		72402	C	
FAYE P	22156	FEENEY R E	26158	FELIX W D		108914			61473	FERRAO J E M	24633
31272 52419	93632		45252	FELIX-CHAVEZ J	63093	63309	FERGUSON E K		64826	28734 54414	58674
FAYEMI A A		FEENSTRA W J	453	FELL B F		103207	FERGUSON G R		11025		74588
FAYEZ M B E	89814	FEENY F J	85100	FELL E T		85585			36391	FERRARA B	31905
FAYLE D C F	50852	FEENY R W	29199	FELL H B		13515	FERGUSON H	27860	39646	103546	92630
FAYULLE J	27880	FEET O	54560	FELL L		33635			78380	FERRARESE M	74589
FAYOLLE P	45562	FEFERMAN E I	59825	FELLENBERG G		18533	FERGUSON H K		7971	FERRARI A	27760
FAZECAS I	91060	FEHER B I	50710			27660	FERGUSON I K		99881	FERRARI C	27536
	91147	FEHER D	50853			44954	FERGUSON J		108393		77027
FAZECAS V	72575		50854	FELLER K	44871	7176	FERGUSON J A		24762	FERRARI E E	64790
FAZIO G	7758	FEHER GY	11715	FELLERS D A		100940			106958	FERRARI F	31123
54704 87176	98268	FEHER I	95852	FELLETTI G	79132	100598	FERGUSON J D		9750		32331
FAZIO G M DE	18243	FEHER K	3056	FELLION E		1481	FERGUSON J H A		19756	FERRARI G	20426
FAZIO M L S DE	47087	10447 12485	12486	FELLNER C DE		24004	FERGUSON J K		60370	FERRARI R	42669
FAZIO S DI	98076	13450 21727	52500			12583	FERGUSON J M		84293	FERRARI T J	18895
FEAD M	6629	104774	104774	FELLNER F		1325	FERGUSON J R		92629	FERRARI-AGGRADI	108255
FEAGAN J T	15729	FEHLER W	35611	FELLNER S K		21474	FERGUSON K A	4338	4333	102149	108256
FEARN B	17670	FEHR W R	78267	FELLOWS E S		56402			82996	FERRARIIS O DE	63854
FEARN P	17670	FEHRENBACHER J B	70455	FELLOWS I F		35882	FERGUSON L C		82997	FERRATI U	96205
FEARNEOUGH T D	95415		101648	FELLOWS L F		39715			47088	FERRAZ C A M	15228
FEARNE E E	90399	FEI C H	101794	FELLOWS M	39714	39324	60371		79562	FERRAZ E F	31081
FEASTER C V	18774	FEI C S	23848	FELTEHAUSEN H		87412	FERGUSON M J		33232	FERRAZ M DE B	56638
FEASTFR J P	13795	FEICHTENBERGER E	23850	FELTON J C		73749	FERGUSON R		36319	FFRRE J	96329
FEATHERMAN H	65390	W	40189	FELTON K E		96056	FERGUSON R B		69549	FERRE Y DE	18534
FEAZEL J I	3455	FEICHTINGER F	91244	FELTS J H	22070	50312			73177	FERREBEE J W	104049
FEBEREY J	51849		38568	FELTWEILL R	72676	82531	FERGUSON R H		36352	FERREIRA A P	4705
FEBO L	61404	FEIER-KOSSEI D G	24102			93422	FERGUSON T M		13495		4706
FECHHEIMER N S	62164	FEIFFER P	5768	FENAROLI L	8572	10324	FERGUSON W E		25376	FERREIRA A P M	64950
	103705	84523 95854	100778	28456 28457		90013			47436		64951
FECHINGER K H	36740	FEIFFER R	84471	FENART J		34658	FERGUSON W S		9751	FERREIRA C H G	97198
FECHTIG A D	29198	FEIGE F	62810	FENCL Z		78225			89434	FERREIRA C J	51890
FECHTIG B	69319	FEIGENBAUM S	39711	FENDALL N R E		17036	FERIANTS D	61685	73161	FERREIRA E A	91835
FEDARAVA R	88257		39902			108683	FERLAN L		87946		96670
FEDCHENKO I	98662	FEIGIN I	95912	FENDER K M	83832	105630	FERLENIUS G R		16896	FERREIRA J A	83265
FEDCHENKO M	88709	FEIGIN J M	14006			22882	FERM V H		104150	FERREIRA J M	19299
FEDDE G F	32895	FEIHL O	51208	FENDER M	31171	32347	FERNANDES A		8686	72407 72408	72409
FEDDE M R	31902	FEIJTER F DE	85932			62088	8687 8688		9413		73067
31904	62792	FEIL H	25160	FENELL S		59694	17349 26761		26851	FERREIRA M C	14522
FEDDEMA L W	20127	FEILER I	43563	FENELON P	97761	97762	27498 88217		98523	FERREIRA O	64155
FEDDERSEN H D	9212	FEILLET P	12053	FENEMORE P G		73185	FERNANDES A M S		48549	FERREIRA R E C	39951
	101396	FEIN M L	45082			105174	FERNANDES M S S	103095			74635
FEDELE F	7243		75630	FENG H	94591	105943	FERNANDES B H C		262	FERREIRA T	10564
FEDELI E	7257	FEINAUER G M L	97154	FENG J L		102038	32593		103095	FERREIRINHA M P	18535
45062 45113	45114	FEINBERG B	39179	FENG K S		102147	FERNANDES R		8686	FERREIRO A C	20772
45115	45130	FEINBRUN N	58242	FENG L P		105793	8687 8688		8689		60100
FEDER E	27120		88299	FENG S W		102148			26761	FERREL R E	1041
FEDER W A	9749	FEINENDEGEN L E	92728	FENG W W		6702	FERNANDEZ A		106869	34869 44978	75449
57911 69719	77953	FEINGOLD B F	9262	FENGEL D	30647	30731	FERNANDEZ C E		37217		107473
	98733	32657 32658	32736			71572	38059 38060		39597	FERRELL E K	51054
FEDERER W T	842	FEINGOLD D S	435	FENILI G A	9273	9274	47991 63043		105269	61060	81045
	37845	FEINMAN E	76452			14233	FERNANDEZ D F		80178	FERRELL J F	13264
FEDERICO M	35238	FEINSTEIN L	13816	FENNAH R G	5393	43157	FERNANDEZ DIEZ M		75298		72306
FEDERMANN M	63092	FEIR D	73473	53391 104961		105823	J		60124	FERRELL W J	16125
FEDICHKIN A G	22907		95186	FENNELL D I		67940	FERNANDEZ E		60349	FERRER W P	7259
FEDIN M A	90012	FEITEIRA T M	39180			67941	FERNANDEZ F G		58603	FERRER F M	51728
FEDIW J	61245	FEJER D	38058	FENNELL T A		39182	FERNANDEZ M DEL C			FERRERI E	13932
FEDORCHENKO E A	13041	FEJES G	66203	FENNEA O		75785				FERRERO R A	74992
30925	33131	FEKETE F	16895	FENNESSY B V		4440	FERNANDEZ N A		27318		16533
FEDORENKO A	33845	FEKETE G	56796	FENNESTAD K L		22175			75902	FERRERO Y F	86567
FEDORENKO I D	80544		20841			62209	FERNANDEZ N C		70279	FERRETTI R J	91377
FEDORENKO N	71850	FEKETE I	2525	FENOGLIO P A		61688	FERNANDEZ R F		105171	FERREYRA R	88300
FEDORENKO S P	56537		29903	FENSOM K G		50503	FERNANDEZ R R		41037		18110
FEDORENKO V P	89431	FEKETE J	15033	FENSTER C R		11009	FERNANDEZ-ALVAREZ		20425	FERRI F	18109
FEDORIN YU	20840										



ITEM				ITEM				ITEM				ITEM				ITEM			
FERRI M G		9752		FIDDIAN W E H		39461		FILIPESCU C		73266		FINLAY D E		53354		FISCHER L K		35470	
FERRIER J		17457		---CONT		79283		FILIPESCU H		7054		FINLAY K W		58391			66772	75987	
FERRIERE C	14795	76955		FIDECKA H		32447				9962		FINLAYSON A J		48581		FISCHER M	33309	33310	
FERRIGNO L W		72421		FIDELIS P P		65990		FILIPKOWSKI S		15722			68196	107458		73751	84080	84081	
FERRIGNO F		94086		FIDLER J C	74490	84942		FILIPOVIC M		62209		FINLAYSON D G		42450		95301	95302	95303	
FERRIN L	108513			FIDLER J C		55145				62210		FINLAYSON L H		5511				105876	
FERRINHO H	67241	97715		FIDLER J H		84991		FILIPOVIC-MOSKOV-		73404		FINLAYSON P M		5770		FISCHER M H		51498	
FERRIS D H		41300		FIEBIGER E	12298	88906		LJF-VIC V	73405	73406				79178		FISCHER O		45962	
FERRIS E		74432				13022				73407		FINLEY R B	23046	55446		FISCHER P		22949	
FERRIS J	65859	86831				103721		FILIPOVITCH D		44279		FINLEY R M	24572	26447		FISCHER R	54415	57560	
	86986	103686		FIEDLER E	11330	80002		FILIPP G		64525			34977	87135			69285	71409	
FERRIS R T		65586		FIEDLER F		100209		FILIPPENKO I A		83559		FINN C A	41866	72509			75509	79033	
FERRIS T R		57250		FIEDLER G	70531	87752		FILIPPI R		107946		FINN H		63018		FISCHER R L		35004	
FERRIS W R		47565		FIEDLER H		12789		FILIPPONE S		96161		FINN J C		98735				43384	
FERRO E E J		25161		FIEDLER H F		21185		FILIPPONI A		14436		FINN K H		78466		FISCHER W	7588	43620	
		26956		FIEDLER H J		11330				83776		FINN L E		2595			48085	98269	
FERRO E J		65276			12020	20480		FILIPPOV A I		33549		FINN R J		54499		FISCHER W A		53920	
FERRO-LUZZI A		27295			27892	49606		FILIPPOV R A		96280		FINN W G		108009		FISCHER W J		52027	
		87751				93840		FILIPPOV F		40190		FINN-KELCEY P		53603				101606	
FERRO-LUZZI G		27295		FIEGE W C		56259		FILIPPOV G A		70090				53745		FISCHER-ARNOLD G		18537	
		98353		FIELD E K		39183		FILIPPOV L A		9753		FINNE L	4077	4078		FISCHER-PIETTE E		17848	
FERRUCCI F		59773		FIELD H E		98354				78465			4146	52182	52239	FISCHGOLD S		61559	
FERRY G V		9798		FIELD H I	71716	72966		FILIPPOV N A		73186			52310	104231	104485			91722	
FERRY J D	26214	86408		FIELD J H		78941			73187	73188				104486		FISCHNICH O	68766	37986	
FERSH G L		39874		FIELD N C		46053		FILIPPOV P R		73946		FINNER M F		11026				78468	
FERTIG S	4377	103208		FIELD R A	7162	86171		FILIPPOVA E L		28221		FINNER W		46113		FISEL S		69225	
FERTIG S N	20203	29201		FIELD T P		108560		FILIPPOVA N		79657		FINNER W F		106609		FISH E J		21607	
	29202	29204		FIELDEN A	14950	14951		FILIPPOVA N I		29044		FINNERTY D W		11023		FISH F		48551	
	29212	49428		FIELDER L L		7228		FILIPPOVICH I I		37671		FINNEY D J	28584	59112		FISH G		3284	
						15449				100699				109118		FISH G R		39462	
FERWERDA F P		87939		FIELDER O G H		14008		FILIPPOVICH T M		48150		FINNEY E E	85790	85833		FISH H		54055	
FESCE A	32154	32155		FIEDLER R		46284		FILIUS I	20187	20188		FINNEY G L		52916		FISH J G	31553	103977	
		51850		FIEDES M		2142		FILLA M	5841	45563		FINNEY K		27344		FISH L G		68219	
FESENKO N V		78463		FIELDHOUSE D J		29846		FILLERUP O W		67134		FINNEY K F		454		FISH M		59746	
		90045				99550		FILLI R		71909		FINNIS V		59746		FISH M M		17145	
FESIK I A		100744		FIELDING A M		44739		FILLION E P		44250		FINOCCHIO A F		47733		FISH N A		94833	
FESMIRE V R		10741		FIELDING G J		34290		FILLMORE W J		87312		FINOGENOVA N V		75559		FISHBEIN M		54137	
FESNEAU M		65988				97829		FILMER D G		104265		FINOGENOVA T V		1418		FISHBERG M		64000	
FESSEL F	21459	71416		FIELDS H		45783		FILMER R S	14301	32930		FINROCK D C		1041		FISHCHENKO P		74065	
FESSLER D K		67204		FIELDS M L	48550	85727				105427		FINSTAD A		81107		FISHCHER R B		53134	
FESSLER J		54454		FIEVUP D F	34976	35595		FIOGRIEVSKAYA Z		79874		FINZI A		31269		FISHEL V C		60594	
FESSLER J F		72387				80546		D				FINZI E		84917		FISHER B L		44308	
		103209		FIERO G W	32594	83144		FILONDZOK L		11881		FINZI M	17209	76850		FISHER B M		60500	
FEST W		102995		FIERTZ G B		101100		FILONOV V V		34870				76851	76852	FISHER C		101464	
FESTENSTEIN G N		51405		FIESTER D R		39598		FILOTTO U	31293	51851		FIOCRE B	30786	31294		FISHER C C	7589	106541	
FESTER G A	38797	100601		FIETZEK P	7124	45018		FISELL O H		22810				32448		FISHER C H		34545	
FESTUCCIA M		35504		FIEVEZ L	22184	41980			82812	82817		FIORE J		8810		FISHER D V	969	1763	
FESYN G I		41541				65913		FILSHIE B K		25239		FIORENTINI S		23357			18897	19821	
FESYUN G I		92295		FIFE C V		2143			75109	107801				94429			39035	59555	
FETISOV V I		82807		FIFE J M	9213	37526		FILSINGER W C		93212		FIORENZI G		45118		FISHER E		10743	
FETISOVA T V		67393		FIFE L		102301		FIMIANI P		53431		FIORESI M		91076		FISHER E G		77963	
FETIZON M		45165		FIFE L S		73945		FINA A L DE		77249		FIORETTI C	31247	31248		FISHER E H	42479	83145	
FETRE J		78113		FIFIELD C C		58422		FINASSI A	5750	33671		FIORETTI O		65018				83241	
FETTV L P		5850				65668		FINCH C G	59802	59836		FIORI B J	4645	23047		FISHER E M R		39702	
FETVADZHIEV V		68132		FIFIELD W M		17478		FINCH L	45493	97605		FIORI G		94714		FISHER E W	3567	39595	
FETVADZHIEVA N		29864		FIGUEIRAS H D		104117		FINCHAM I H		4164		FIORI L A	6620	6639				72388	
FETZ J	107012			FIGUEIREDO C T DE		54213		FINCHER M G		22250			6668	15821	25261	FISHER F E	44042	84918	
FETZER J	48129	89435		FIGUEIREDO J B		72171				41603			34610	44506	65297	FISHER F J F		17671	
FETZMANN E		78014		FIGUEIREDO J DE		75941		FINCI Z		56403			65323	65355	85644	FISHER F L	39689	51778	
FEUCHT W		58605		FIGUEIREDO M B		18203		FINCK A	2348	20532		FIORITO G		79530		FISHER F M	27204	42862	
FEUERHAKE A		88583		FIGUEIREDO N		87363		FINCKE A	26037	97200		FIRAT F	80969	81583			73858	73859	
FEUERLEIN W		15107		FIGUEIRO J L		45187		FIND N I	2726	2728		FIRCH R S	76019	86667		FISHER G J		72172	
	33645	40119		FIGUEROA L		15362		FINDLAY G P		48084		FIREHAMMER B D		72824		FISHER G R	51741	51967	
	95807	95808		FIGUEROA J F		3159			48137	99882		FIREMAN M		100108		FISHER G S		12407	
FEUERSTEIN O		76268		FIGUEROA M		95550		FINDLAY J	106607	106608		FIRER E M		48624		FISHER G T		42599	
FEUGE R D	7260	55685		FIGUEROA R		60026		FINDLAY J D		12627		FIRESTONE D		7261		FISHER H	12488	13436	
	65989	97199		FIGUEROA-DE-GONZ-		87422			41595	71851		FIRMAN I D	27126	47090			13451	13452	
FEUGHELMAN M		15819		ALEZ E		60713		FINDLAY J P		46515			79883	88711			41915	62738	
	25162	54807		FIGUERORA A R		38062		FINDLAY T H		10742		FIRRAO S		65277			72668	82554	
	107140	107141		FIGULA K	29904	60713			49183	59695		FIRSOV I P		69637		FISHER H H	19757	28791	
FEUILLAT M		96490				89436		FINDLAY W I		89437		FIRSOV V		73927		FISHER H J	34100	44403	
FEUILLAT T		96490		FIJALKOWSKI D		8641		FINDLAY W P K		6267		FIRST N L	42276	72914			80745	96671	
FEUILLATTE N		24634		FIIJ		108830		FINDLEN H	29045	55077		FIRST R S		27412		FISHER H M		91195	
		56976		FIKE W T	1584	1642		FINDLEN P		8219		FIRTH J		65587		FISHER I R		53921	
FEUSTEL I C		34799				2384		FINDLEY D S		25533		FIRU D		73454		FISHER J	41864	42712	
		85832		FIKENSCHER L H		77427		FINDLEY J		46663		FISCHBACH H		6108		FISHER J E	38078	48036	
FEVOLD J S		67056		FIKIN A		74492		FINDLEY J D		72445			15383	33988		FISHER J H		71499	
FEVRE J		83063		FIKLEWICZ G		90968		FINDRIK M	85518	109077		FISCHBACH K		99884		FISHER J L		29999	
FEVRIER R	4491	41393		FILA J		80925		FINE B C	13933	93959		FISCHBACH P E		80548		FISHER J M		88899	
FEW A B		3828		FILACHIONE E M		45082		FINE L O	59170	60372		FISCHBACH V		97791		FISHER J R	19991	91036	
FEW F G		74276			75630	97154			70529	79128		FISCHBACHER G		12014		FISHER J R S		72478	
FEWKES D W	5394	33255		FILANGIERI A		108031		FINE R M		94777		FISCHBECK G		58392		FISHER K D		27359	
		52872		FILATOV A I		72903		FINE S		34099			78467	85899	91029	FISHER K F		4758	
FEWSON C A	19274	19300		FILATOV G V		105096		FINE S D		108994		FISCHER A	12803	41074		FISHER L J	12915	62211	
FEWSON D	22882	22883		FILATOV I		3431		FINEBERG M		75692				79803				82135	
	32347	32348		FILATOV L S		53599		FINELLE P	14628	42478		FISCHER B		79835		FISHER M J		107747	
		92115		FILATOV N		45998			81752	81753		FISCHER C	1904	101354		FISHER N		85933	
FEWSTFR MRS C J		57817		FILATOV N A		10916		FINERAN B A		548		FISCHER C C		59696		FISHER P	46596	67405	
FEYA J		24815		FILATOV V P															

	ITEM		ITEM		ITEM		ITEM		ITEM
FISKELL J G--CONT	2369	FLEETWOOD A	101681	FLINT L H	68770	FOAG A	56641	FONBRUNE P DE	67531
FISKELL J G A	101715	FLEGEL R	50370	FLINT O S	14953	FOARD D E	9429	FONDAVILL J	23023
	2260	FLEGG P B	18898					FONDERVILLE J C	18899
	80019	59607	59794			FOARD M		FONG W	25163
FISSCHER R F	28209	FLEHR F	15034	FLINT T R		FOCK C	26897	FONO H	68870
FISSE H G	9363	FLEHR V	43534	FLINT V E		FOCKE I	6979	FONOLLA J	72514
FISTERE C M	6109	FLEISCHER	3160	FLINTRIP F		FOCKE R	10325	FONROBERT Z	80927
FITSYUNOV A V	20280	FLEISCHER E	5903	FLIPPIN R S		FOCKEN A F		FONSECA F DA	98482
	49458	7700	43645	FLIPSE R J	71910	FOGASA C		FONSECA J A B DA	23135
FITCH A	98584	43732	69524	FLOCKER W J		FODA E A	65058	FONSECA J P C DA	42863
FITCHETT D A	16949	FLEISCHER H E	21475			FODOR J		FONSECA J P DA	23748
FITE R C	22726		21490	FLOGSTAD G		FODOR M			94367
FITELSON J	85101	FLEISCHER H O	21514	FLOISAND G		FODOR M		FONSECA O J M	99057
FITES R C		61411	81428	FLOM R C		FODOR M		99058	99061
FITKO R	22811	FLEISCHMAN A I	1397	FLOOD A E		FODOROV N		FONSECA-RAMON M	104339
	62212	FLEISCHMANN G	18111	FLOOD MRS D I		FOERSTER E		FONSECA J V	24497
		18212	37218	FLOOD R		FOGARASY J		FONTAINE	55713
FITSCHEN H J				FLOOR J		FOGARTY L M		FONTAINE J	84755
FITTKAU E J	95024			FLOOR CRUZ C R		FOGATO O		FONTAINE M	10248
FITTKAU H W	88301	FLEISCHMANN K	85400	FLOM H H	37219	FOGED N	17849	FONTAINE M P	41961
FITZGERALD A D	35883	FLEISCHMANN O	45083	FLOM R C					104099
FITZGERALD D	23428			FLOM J P		FOGEL H H	15524		41961
FITZGERALD D A	108257	FLEISHCHEL H	11495	FLOREA E	12339	FOGEL M		FONTAINE P	41340
FITZGERALD G P	2027	FLEISHER Z	47497	FLOREA I		FOGEL M M		FONTANA A	39777
	2028	FLEITER L	97224	FLOREA N	2261	FOGEL S		FONTANA G	103690
FITZGERALD J C	97298	FLEMER W	2816	FLOREAL-MARSICO D		FOGELBERG B C		FONTANA P	24636
	97315	FLEMING A A	9032	FLORENCE O		FOGG C D		FONTANA P	24637
FITZGERALD J E	41981		78268	FLORENCE R G		FOGG G E	9755		24637
	41982	FLEMING A B	7262	FLORENCE T M		FOGG H G	48088		85389
FITZGERALD J S	38545	FLEMING A L	38308	FLORENCE T M		FOGG J M	264		96282
FITZGERALD L A	43533	FLEMING B R	11183	FLORENTA P		FOGGIE A	17672	FONTENEAU M	99336
	70091		29193	FLORENTIN M		FOGGIE A	17672	FONTENIL R	62217
FITZGERALD L W	11092	FLEMING C A	74636	FLORENZANO G		FOGLE H W	1764	FONTENIUX DU	87231
FITZGERALD M J	50251	FLEMING D	46285	FLOREZ J R	80467	FOGLE M	59556	FONTENOT J P	13640
FITZGERALD P R	3363	FLEMING D M	66337	FLORES A H		FOGLEMAN M E			103552
	62213	FLEMING E	29907	FLORES A M A		FOGLEMAN R W		FONTES L R	71770
FITZGERALD T J	78942	FLEMING I K	95897	FLORES E	56640	FOGLIATA F A		FONYEDI K	62218
	100602	FLEMING J D	55705	FLORES F G			49963	FOOKS J H	85411
FITZHERBERT J T	40401	FLEMING J R	55269	FLORES I		FOGLINO F	29398	FOORD S	64869
	12804		68768	FLORES L R		FOGUET J L		FOOT A S	22061
FITZHUGH H A	65882	FLEMING J W	38063	FLORES M		FOHRENBACHER A		41430	72329
FITZHUGH O G	12999	FLEMING M	74480	FLORES R I		FOIL R R	30579	FOOT M	103096
FITZIMMONS W M	63460	FLEMING R	36068	FLORES S		FOISSAC J		FOOT M A	16492
FITZJOHN R A	11394	FLEMING R A	28768	FLORES V C		FOKIN A D	70281	FOOTE A G	24989
FITZPATRICK E A	68767		49184	FLORES Z				FOOTE B A	5260
FITZPATRICK E N	92933	FLEMING R D	104104	FLORES-CACERES S				FOOTE B D	14613
FITZPATRICK J	96343	FLEMING V I	105174			FOKINA N		FOOTE B E	68773
FITZPATRICK T J	54985	FLEMING W D	46713	FLORES-GALINDO E		FOKINA N I		FOOTE H E	85764
FITZPATRICK W H	108915		77156	FLORESCU A		FOKKENS B		FOOTE H L	74655
FITZSIMMONS W M	62308	FLEMION F	9414	FLORESCU C I		FOKSHA A G		FOOTE K G	53060
FITZSIMMONS J	51246	FLEMMICH C O	40744	FLORESCU E	893	FOL R		FOOTE L E	9318
FITZSIMMONS R C	93154	FLEMMING E	25990	FLORESCU G		FOLDES I			70837
FITZSIMMONS R W	37057	FLEMMING G	40716	FLORESCU I	101670	FOLDES I			72233
	38708	FLEMMING H	30610			FOLJEWSKI W			103691
FITZSIMMONS W M	71717	FLENSBOG C E	81108	FLOREZ J R	80467	FOLEY C W	13757	FOOTE M	100679
FITZSIMMONS V F M	68362	FLENTJE N T	27127	FLORIAN E				FOOTE R H	5261
FITZTHUM H	43846		99334	FLORIAN E		FOLEY D C		41731	41732
	43865		43444	FLORIAN E		FOLEY R		41734	41732
FITZWATER W D	263	FLERLAGE B	15935	FLORIAN E		FOLEY R C	103689	95025	95026
FIZUECK M	90913	FLEROV B	50526	FLORIAN E		FOLEY R F			103500
FIX H P	3462	FLEROV B K	51131	FLORIAN E		FOLINAZZO J F		FOOTE W C	82746
FIX W L	81567	FLEROV S K	81376	FLORIAN E		FOLINAZZO J F			82808
FIXLER D E	14593	FLESCHHUT K	74049	FLORIAN E		FOLITAR I I		FOOTE W D	82185
FIZE A	94715	FLESCHHUT O H	10993	FLORIAN E		FOLK G E		FOOTE W H	70697
FIZELL J A	59685	15220	39569	FLORIAN E		FOLKARD A R		FOOTT J H	19822
FJELKNER P A	5883	FLETCHER A	58761	FLORIAN E		FOLKERS C		FOOTT W H	4707
FJORKENSTAD P	95979	FLETCHER D A	45849	FLORIAN E					52844
FLACCOMIO E	24635	FLETCHER D A	26165	FLORIAN E					60520
	61515	FLETCHER D S	107802	FLORIAN E					94281
FLACCUS E	99753	FLETCHER D S	84133	FLORIAN E					72213
FLACHAT C	25926	FLETCHER F W	105962	FLORIAN E		FOLKERS K	3090		37847
FLACONER I R	93650	FLETCHER H	76903	FLORIAN E		FOLKERSMA H R			38824
FLADE J E	52099	FLETCHER H B	108538	FLORIAN E		FOLKES B F			36451
FLAHERTY B J	26895	FLETCHER H C	56246	FLORIAN E		FOLKINS L P			11028
FLAHERTY D	83424	FLETCHER H F	10744	FLORIAN E		FOLKMAN J D			81754
FLAIG W	2144	FLETCHER H R	80296	FLORIAN E		FOLKMAN W S			103978
	101635		8690	FLORIAN E					11029
FLAKE J C	101716	FLETCHER J E	67825	FLORIAN E		FOLKMANIS R			84917
FLAM F	74761	FLETCHER J L	49933	FLORIAN E		FOLKNER J			59803
FLAM F	61635		46367	FLORIAN E		FOLKNER J S			51055
FLAMENT-DURAND J	92952		72233	FLORIAN E					81297
FLAMINI G	2526	FLETCHER J T	9851	FLORIAN E		FOLL N B	72031		42149
FLAMM E	30641	18278	27292	FLORIAN E		FOLLETT B K			76400
FLAMM H	13618	FLETCHER L B	57883	FLORIAN E		FOLLETT R H			71317
FLAMM R A	79490	FLETCHER O	24414	FLORIAN E		FOLLETT W I			27678
FLANAGAN T R	10448	FLETCHER P W	32449	FLORIAN E		FOLLEY R R W			66079
	27893	FLETCHER R	60867	FLORIAN E					14734
FLANDERS S E	29206	FLETCHER R A	91197	FLORIAN E		FOLLIERI M			95304
	23506		970	FLORIAN E		FOLLIS R H			68987
FLANDRIN F	47092	FLETCHER R D	68769	FLORIAN E		FOLLMANN G	27895		33505
FLANNERY J J	40191		3161	FLORIAN E					8644
FLANNERY K V	46648	FLETCHER R D	62816	FLORIAN E		FOLMER N I			14366
FLANNERY R	11632	FLETCHER R F	20569	FLORIAN E		FOLQUER F			4378
FLANNERY R D	35613	FLETCHER R J	49856	FLORIAN E		FOLTANYI J			63094
	60073	FLETCHER T B	63507	FLORIAN E		FOLTIN H	23851		23949
FLANZY C	96314	FLETCHER W A	59516	FLORIAN E					62016
FLANZY M	44168		107409	FLORIAN E		FOLTIN J			64575
	96256	FLETCHER W E	93906	FLORIAN E		FOLTINEK H			29153
FLASCHA	66373	FLETCHER W S	104735	FLORIAN E		FOLTZ V D	53536		63457
FLATRES P	16680	FLETCHER W W	9754	FLORIAN E		FOLWACZNY B			105002
FLATT W P	13174	FLETON J C	73750	FLORIAN E		FOLZ W E			57911
FLATTUR R	53565	FLEURY J P	65270	FLORIAN E		FOMAN L			77953
FLAURAUD R	72825	FLEURY Y	75387	FLORIAN E		FOMENKO B S			48089
FLAY A H	28679	FLEURY D F	4147	FLORIAN E		FOMENKO L D			84826
FLECHE J P	62495	FLOCK H	54941	FLORIAN E					107213
FLECHSIG J	25615		85834	FLORIAN E		FOMENKO L I			13219
FLECHTMACHER W	16508	FLOCKINGER G L	22614	FLORIAN E					16897
FLECHTMANN C H W	42824	FLIEGEL F C	87355	FLORIAN E		FOMENKO YU E			42808
	63732	FLIEGEL P	18112	FLORIAN E		FOMICHEV YU P			99577
FLECK H	60027	FLIERMAN J	99335	FLORIAN E					43264
FLECK H C	66449	FLIGHT W F G	79060	FLORIAN E		FOMICZ G	50604		72453
FLECTCHER J	7935	FLINK K E	26852	FLORIAN E		FOMIN A			87374
FLECTCHER J T	9033	FLING M	28311	FLORIAN E		FOMIN A A			773
FLEEGER J L	41429	FLINK P R	32896	FLORIAN E		FOMIN YU V	13818		37502
	81959	FLINT B	27125	FLORIAN E		FOMINA A A			49138
		FLINT G J	33383	FLORIAN E		FOMINA A I			71236
FLEER W	56641	FLINT J C	13713	FLORIAN E		FOMINA A YA			971
				FLORIAN E		FOMON S J	55659		46850



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
FORDHAM A W 70283	FORSYTHE H Y-CONT 42670	FOTTE W H 79133	FOX W C 104170	FRANKE E R --CONT 104775		
FORDHAM W D 26039	FORSYTHE R H 83418	FOTTRELL P F 19302	FOX W S 21098	FRANKE G 7010 28634		
FORDYCE C 99885	FORSYTHE R H 16350	FOTYANOVA L I 69204	FOY B L 36040 87375	FRANKE I 90757 106791		
FORDYCE F 10745 15324	35301 41893 42090	FOUAD K 63002 71721	FOY C D 38071 48090	FRANKE R 5851 84599		
FORE S P 107747 75763 97275	45224 75763 97275	FOUAD M S 72479	FOY C L 20283 27897	FRANKE W 6182 19303		
FOREMAN N G 20970	FORT J 62089	FOUAD Y 72315	29153 49429 70092			
FORENBACHER S 12586	FORT R 64458 101294	FOUGUE A 44873	70093	FRANKEL E N 55596		
82187 93213 103213	FORTE C 27021	FOUGUE Y 20128	FOZDAR B S 624	FRANKEL O H 18901		
FORENGACHER S 30894	FORTE J S 74823	FOUILLOY R 8691	FRACZEK M 87541	27083		
FOREST B 109256	FORTE M DA C B 82188	FOULDS R M 11213	FRADKIN G 87413	FRANKEN A A 59804		
FOREST G 6703	82189	FOULDS R T 12310 97454	FRADKINA D L 48961	FRANKEN E 88587		
FOREST H L 54628	FORTE V 18900 80746	FOULGER A N 51342	5262 7	FRANKEN-LUYKX J M 6980		
FOREST R S 6110	79659 80297 80746	FOULON L A 27521	FRANKEL G S 456	38072		
FORESTER J E 77333	FORTENBERRY F 43789	FOULONNEAU C 85086	18366 47498 99578	FRANKENA H J 5816		
FORESTIER J 101943	43847 106512	FOUNTAIN S 43789	FRAGA C C 85937	22062 59113		
FORESTIER R 15894	FORTESCUE G E 50252	FOUQUE A 19805 28827	FRAGNER P 39684	FRANKENFIELD C 90400		
44644 74298	FORTH J R 38546	FOUQUET K 64146	FRAGONARD H 88043	FRANKENHUYZEN A 52929		
FORET J A 90624	FORTI G 8161	FOURCADE M F 37673	40757	FRANKENHUYZEN A 52929		
FORFANG E G 10574	FORTIER R 27053	FOURCASSIE F 49698	FRANKE A 84943	FRANKES M G 16413		
FORGACS J 21839	FORTIN G 78471	FOURCA Y 78472	FRANKE M G 10537	FRANKLIN A 80552		
FORGASON R L 92892	FORTIN S 96240	FOURGI M 61757	FRANKE R V 47987	FRANKLIN D 38073		
FORGET G 71132 78040	FORTMANN H 88585	FOURGOUX J C 74433	FRAME J 10449 56538	FRANKLIN D A 16097		
80179	FORTMANN H R 67663	FOURICHON J P 45785		72032		
FORGET R 26762	FORTSON J C 3425	FOURIE J M 96864	FRAME R W 34996	FRANKLIN D F 972		
FORGETEG S 19512 59178	7373 87033 97874	FOURLON C 21760	FRAMHUS O 74712	FRANKLIN E R 107346		
FORGIE D J 21385	FORTUNE M 79564	FOURNIER A 82190	FRAMPTON D B 40903	FRANKLIN E W 96881		
FORJAZ N G DE M 41723	FORTUSHYI V A 103313	FOURNIER A W 74153	FRAMPTON V L 45153	100214		
FORK D C 1328 100289	FORWARD D F 100213	FOURNIER C 54056 54705	FRANCANZANI C L 82532	FRANKLIN H L 15399		
FORKER O D 34407 74951	FOSBERG F R 17511	FOURNIER P 1327	FRANCANZANI C L 82532	15400 54159		
86339 106995	77334	FOURNOT M 74285	FRANCANZANI C L 82532	FRANKLIN J D 6365		
FORMAN L 24990	FOSBERG M A 61217	FOURNOT M 74285	FRANCANZANI C L 82532	FRANKLIN J F 30372		
FORMAN L L 88302	FOSBURGH P W 30098	FOURNOT M 74285	FRANCANZANI C L 82532	50856 77337		
FORMAN R 15955	FOSCHI S 346	FOURNOT M 74285	FRANCANZANI C L 82532	FRANKLIN J G 74763		
FORMAN R T T 88983	18115 18116 18117	FOURNOT M 74285	FRANCANZANI C L 82532	FRANKLIN J R 54300		
FORMAN S A 39700	18118 18119 18120	FOURNOT M 74285	FRANCANZANI C L 82532	FRANKLIN K R 25802		
FORMANEK B 108176	18121 18122 18123	FOURNOT M 74285	FRANCANZANI C L 82532	FRANKLIN M C 6621		
FORMANOWICZOWA H 69834	23049 23294	FOURNOT M 74285	FRANCANZANI C L 82532	FRANKLIN M T 18391		
FORMISANO M 20481		FOURNOT M 74285	FRANCANZANI C L 82532	FRANKLIN R E 50017		
20495 25930 64952		FOURNOT M 74285	FRANCANZANI C L 82532	60142 68727 70532		
89817 96075 96283		FOURNOT M 74285	FRANCANZANI C L 82532	FRANKLIN R T 14263		
97129 97130 107642		FOURNOT M 74285	FRANCANZANI C L 82532	FRANKLIN T E 92423		
FORMOSA I 5971		FOURNOT M 74285	FRANCANZANI C L 82532	103692 103693 103694		
FORNACHON J C M 44169		FOURNOT M 74285	FRANCANZANI C L 82532	103720		
74591 99118		FOURNOT M 74285	FRANCANZANI C L 82532	FRANKLIN W T 59329		
FORNACIARI G 78470		FOURNOT M 74285	FRANCANZANI C L 82532	FRANKLING E 23315		
FORNALE C 64953		FOURNOT M 74285	FRANCANZANI C L 82532	FRANKLING E M 52054		
FORNALEK W 16481		FOURNOT M 74285	FRANCANZANI C L 82532	FRANKLOVA S 90937		
FORNAROLI D 31088		FOURNOT M 74285	FRANCANZANI C L 82532	101818		
FORKNERIS F 59179		FOURNOT M 74285	FRANCANZANI C L 82532	FRANKOWSKI M 23349		
FORNEDER W P 55772		FOURNOT M 74285	FRANCANZANI C L 82532	FRANKS J W 8575 61219		
FORRENCE R 59557		FOURNOT M 74285	FRANCANZANI C L 82532	77158		
FURREST G 54020		FOURNOT M 74285	FRANCANZANI C L 82532	FRANKS L 103645		
FURREST J 108561		FOURNOT M 74285	FRANCANZANI C L 82532	FRANKS N E 54132		
FURREST J C 82862		FOURNOT M 74285	FRANCANZANI C L 82532	FRANKS R E 83242		
86129		FOURNOT M 74285	FRANCANZANI C L 82532	FRANKTON C 17757 57618		
FORREST K E 60980		FOURNOT M 74285	FRANCANZANI C L 82532	FRANQUIN P 10399		
FORREST N K 65278		FOURNOT M 74285	FRANCANZANI C L 82532	FRANS R E 39463 49430		
76058 108395		FOURNOT M 74285	FRANCANZANI C L 82532	90625 90653 100236		
FORREST W D 99165		FOURNOT M 74285	FRANCANZANI C L 82532	FRANSEN T 75092		
FORREST W W 71720		FOURNOT M 74285	FRANCANZANI C L 82532	FRANSEN C J H 95622		
71834		FOURNOT M 74285	FRANCANZANI C L 82532	FRANSEN J G 92434		
FORRESTER D J 52430		FOURNOT M 74285	FRANCANZANI C L 82532	FRANSENS D H 45999		
FORRESTER G M 37780		FOURNOT M 74285	FRANCANZANI C L 82532	76519		
69076		FOURNOT M 74285	FRANCANZANI C L 82532	FRANSSON S 68363		
FORRESTER L J 24542		FOURNOT M 74285	FRANCANZANI C L 82532	FRANTZ U 36669 67761		
FORRO P 51172		FOURNOT M 74285	FRANCANZANI C L 82532	FRANZ D R 95127		
FORSA A 16417		FOURNOT M 74285	FRANCANZANI C L 82532	FRANZ E 65750 65751		
FORSBERG C 38066		FOURNOT M 74285	FRANCANZANI C L 82532	65911 75469 86027		
FORSBERG D E 38067		FOURNOT M 74285	FRANCANZANI C L 82532	FRANZ G 15036 17353		
FORSBERG G 40756		FOURNOT M 74285	FRANCANZANI C L 82532	FRANZ G J 21379		
FORSBERG J L 17965		FOURNOT M 74285	FRANCANZANI C L 82532	FRANZ H 2201 42976		
FORSBERG L 24498		FOURNOT M 74285	FRANCANZANI C L 82532	62446 83777 92171		
FORSBERG R A 59248		FOURNOT M 74285	FRANCANZANI C L 82532	105632 105633		
FORSBERG E D 18425		FOURNOT M 74285	FRANCANZANI C L 82532	FRANZ H J 60246		
FORSCHBACH E 84756		FOURNOT M 74285	FRANCANZANI C L 82532	FRANZ J M 4646 83146		
96162 108916		FOURNOT M 74285	FRANCANZANI C L 82532	FRANZ M 4647 6869		
FORSCHNER E 35005		FOURNOT M 74285	FRANCANZANI C L 82532	29444 49185		
91941		FOURNOT M 74285	FRANCANZANI C L 82532	FRANZ W 84294		
FORSEE W T 1498 35755		FOURNOT M 74285	FRANCANZANI C L 82532	2352 2353		
FORSSEK Z 62219 63334		FOURNOT M 74285	FRANCANZANI C L 82532	2354		
FORSSEN R 65150		FOURNOT M 74285	FRANCANZANI C L 82532	FRANZEN B 75093		
FORSSEK J A 79333		FOURNOT M 74285	FRANCANZANI C L 82532	FRANZENI J B 101685		
FORSHELL W P 98524		FOURNOT M 74285	FRANCANZANI C L 82532	FRANZKE C 65992		
FORSHEY C G 38068		FOURNOT M 74285	FRANCANZANI C L 82532	FRANZKE C J 37899		
38069 39952 70717		FOURNOT M 74285	FRANCANZANI C L 82532	FRANZKE H 5957 26899		
FURSHUFVUD U 88303		FOURNOT M 74285	FRANCANZANI C L 82532	54034 82092 106504		
FURSLUND B 70939 71183		FOURNOT M 74285	FRANCANZANI C L 82532	FRANZKE H J 61759		
65120 65121		FOURNOT M 74285	FRANCANZANI C L 82532	FRANZKE W 6981 10185		
FURSS K 102962		FOURNOT M 74285	FRANCANZANI C L 82532	51411		
FURSS L 109141		FOURNOT M 74285	FRANCANZANI C L 82532	FRANZMANN J R 86214		
FURSTER A E 5884		FOURNOT M 74285	FRANCANZANI C L 82532	FRANZMEIER D P 49857		
106418		FOURNOT M 74285	FRANCANZANI C L 82532	49859		
FORSTER I 101817		FOURNOT M 74285	FRANCANZANI C L 82532	FRAPART P 63258		
FORSTER J G A 57235		FOURNOT M 74285	FRANCANZANI C L 82532	FRAPART P 63258		
FORSTER J R 57235		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		
FORSTER K 81330 88470		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		
108655		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		
76975		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		
FORSTER K A 12147 50855		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		
FORSTER P 106959		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		
FORSTER R 1842		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		
FORSTER W 105964		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		
FORSTMANN 61381		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		
FORTMEIER G 25616		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		
FORSUND E 47250 57980		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		
77688		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		
72826		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		
FORSYTH B A 9034		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		
FORSYTH F R 7846		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		
FORSYTH H A 108852		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		
FORSYTH M 108707		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		
FORSYTH R A 85102		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		
FORSYTH W G C 14109		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		
FORSYTH H Y 14109		FOURNOT M 74285	FRANCANZANI C L 82532	FRASCHINI G 83609		

ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
FRASER R D B 107801	FREEMAN B A--CONT 51570	FREITAS M G--CONT 72967	FREYTAG U --CONT 82606	FRIESEN H A--CONT 78115	
FRASER T B 75872	FREEMAN B E 64002	FREITAS S DE 57679	FREZZI M J 27129	FRIESER E P 6622	
FRASSOLDATI C 16672	FREEMAN B I 24431	FREIXO J 15463	FRIAR H B 54160	6623 15024	44454
16951 26513 27478	65503 26167 26168 34423	26167 26168 34423	FRIARS G W 4030 93420	75094	75095
FRASZEWSKA T 38880	62798 55146 55147	55146 55147 75306	FRIAS-MORAN H 87415	FRIESS H 87182	
FRATESCHI T L 103215	93214	107347	FRIBOURG H A 48444	FRIESSLEBEN G 106196	
FRATIAN A 4918	FREEMAN D 17966 59863	FRELICH A 4080 13453	59332 61642 100942	FRIETEMA H J 64855	
FRATILA E 9118 27290	FREEMAN E A 51173	FREMER K E 71555 102962	9853	91587	96130
FRATKIN A B 1562	FREEMAN F W 974	FREMERY D DE 35232	FRICANO G 91587	FRIFELT S 57318	
FRATONI A 79127	FREEMAN G H 549	FREMOND Y 28828 91073	FRICK E J 91942	375	4295
FRATTARI E 76977	61114 90758	FRENCH A P 66299 101176	FRICK E L 1721	FRIGATO A 101489	
FRATTINI M 31806	FREEMAN H 77529	FRENCH AM 77954	FRICK G E 26892 41511	FRIGATO V 24356	
FRAUENDORFER R 40403	FREEMAN H A 95421	FRENCH B C 15941 34776	FRICK J G 25164 85620	FRIGERIO N A 8438	
40533	13336	FRENCH B L 24502	FRICK K E 42393 73631	FRILINK G P A 12589	
FRAUENDORFER S 17011	29208	FRENCH C E 5692	FRICK W 103250	FRILINK H C 40194	
77057 79391	83506	25982 45786 85449	FRICK W 103250	FRIK J F 104635	
FRAUENDORFER S 75946	2024	96343 107056	FRICKE A 96540 108357	FRIMLOVA E 74326	
VON 79791	11030 79791	FRENCH C S 1328 78945	FRICKE E F 50409	FRIMMEL F 6743	
FRAUENSTEIN K 9094	98819	FRENCH D 24357 64748	FRICKE G 77689	FRIMMEL G 18903 89445	
FRAUTSCHY J 24763	1651	FRENCH D I 58626	FRICKE W 64600	FRINK C R 2145 39701	
FRAUX A 77445	101914	FRENCH D J 40848 40849	FRICKER A 46477	50018 101717	
FRAYRE MORA R 68017	42291	51144 57779 63697	FRICKER C 2788	FRIORIKSSON S 88740	
FRAZAO F L 63311	FREEMAN M J 3114	77636 91689 102877	FRIDAY D 5664 43435	FRIIS G 29698 50019	
FRAZAO T B 108514	FREEMAN O L 8223	102906 102907 103014	84295	FRIIS P 19305	
FRAZER A C 64824 96087	6982 7762	FRENCH E L 92193	FRIDEN A 94863 94864	FRIISBY J C 53636	
FRAZEUR D R 6489	15583 16683 24415	FRENCH E W 79299	FRIDEN F 13934 18818	FRISCH A 82377	
6502 54496 74933	25697 26207 26627	FRENCH F E 73140 94092	FRIDING B 3862	FRISCH K VON 63744	
95343 85448 96578	26628 26629 26630	FRENCH F L 49004	FRIDLAND V M 49607	67515 94518 105428	
FRAZIER A W 30051	26631 26632 26633	FRENCH G R 22177	101354	FRISCH O VON 31559	
40367 91379	26634 26635 26636	FRENCH J C 14150 73200	30127	FRISCHKNECHT D 32309	
FRAZIER F 75764	27206 27208 35619	94345	49918	FRISCHKNECHT N C 51448	
FRAZIER J C 10034	35617 35618 35619	FRENCH K A 51249	43605	FRISCHKNECHT W O 55494	
FRAZIER L M 3860	36206 36207 36268	FRENCH M H 3167 6571	15161	FRISCHKNECHT W O 55494	
41777	45659 50372 54074	27902 32350 85718	99579	FRISSELLA-VELLA G 46056	
FRAZIER M N 22623	55270 55271 56261	FRENCH N 68314	FRIDLYAND I B 3168		
22624 82605	56262 56263 56264	FRENCH P 1843 12595	FRIDLYANSKAYA I I 9635	FRISSQUE M 75495	
FRAZIER T M 15626	56265 56266 56267	FRENCH R A 43355 84134	FRIDMAN A A 36524	FRITH L H 59892	
FRAZIER W A 44617	56268 56269 56270	FRENCH R C 1844 34871	FRIDMAN S 1453	FRITH W C 30709	
FRAZIER W C 6049	56681 56978 56979	89330 89922	FRIDRIKSSON S 70533	FRITSCH C T 102151	
6136 15650 24362	57173 57254 64713	FRENCH R J 11660	47734 49919	FRITSCH E 6983 25070	
FRAZZONI J 33646 63462	65695 65695 66596	FRENCH S A W 1025	FRIE J W 49900	25071 25618 38070	
FREAN J R 72827	66597 66598 66599	17521	FRIEBE P 65479	38080 44874 44875	
FREAR D E 57750	66600 66601 66602	FRENCH W L 63393 73069	FRIEL K 54034	55272 55273 75388	
FREAR D E H 27484	66603 66604 66605	93960 95128 104994	FRIEBOVA Z 104340	75389 85938	
37105 39486 54983	66606 66607 67135	FRENKEL S 32429	41985 41986	94430	
FREAR E H 77528	67242 67291 67292	FRENKOL I 56172	FRIED B 13	FRITSCH M 73947	
FREAR G 28459	67293 67294 67475	FRENNE D DE 22950	17512 98739	FRITSCH R 25619 75390	
FREBLING 97042	76589 76766 77058	FRENS A M 30783 30990	FRIEDBERG C 72500	92092	
FRECHA J H 298 86433	87638 87639	103543 103568	FRIEDBERGER J C 3446	FRITSCH G 58243 58394	
77598	91333 9717 98272	FRENSEL O 74691 74692	FRIEDE H J 23855	FRITSCH J B 82194	
FREDEEN F J H 23657	101295 106542 106611	74693 74694 74695	FRIED P 96245	FRITSCHEN L J 49656	
105711	106678 107716 108261	85200 85201	FRIEDMANN H 33543	FRITSCHI E 30896 41303	
21728	108262 108263 108264	FRENOY V 46716	FRIEDMANN J C 79237	FRITTON W J 16371	
30755 103505	108265 108266 108995	FRENZEL B 24450	FRIEDRICHSEN M 27464	FRITTS H C 81585	
FREDELLA G 92116 92614	109218 109238	FRENZEL H 24450	FRIEDHOFF K 3157	FRITZ A 457 459	
FREDEEN A 49696	16615	FRENZEL J H 79039	91936 91937	37443 58072 58073	
FREDERICH W 52099	FREEMAN P 16978	FRENZEL J 10200	FRIEDL O 98710	54942 65391	
93750	FREEMAN P H 106935	FRENZEL J 10200	FRIEDLANDER C P 73516	61310	
FREDERICK G L 30895	FREEMAN R E 98737	FRENZEL J 10200	FRIEDMAN B A 37400	FRITZ G J 1221 19306	
FREDERICK K T 57215	FREEMAN T 348	FRENZEL J 10200	35576	FRITZ J R 103508	
FREDERICK M C 26267	68167 88714 99338	FRENZEL J 10200	FRIEDMAN E A 31984	FRITZ J C 81650	
FREDERICK N 50956	23854	FRENZEN K 52283 109131	FRIEDMAN H H 6021	FRITZ R F 95135	
FREDERICKSON M 83520	8095	FRERE M H 48093 49697	6044	FRITZ R W 41031	
FREDERICKSON T N 4149	FREER J A 84993	FRERIKS J C 23245	FRIEDMAN J 41567 57562	FRITZ T E 104042	
FREDERIKSEN A L 1747	FRER M 3439	FRESA R 57913	82019	FRITZ T 72124	
19796 49059 69988	FRESE H H 4551	FRESCHVILLE J DE 53555	33990	FRITZ Z 4101 4547	
FREDERIKSEN E 12588	FREESTONE B 24006	FRESCURA T 31435 51587	33133	62752 63200	
FREDERIKSEN J 80022	FREETH J B 13744	FRESE H 975	FRIEDMAN L D 53319	FRITZ-NIGGLI H 9567	
FREDERIKSEN J H 51764	FREGAT J 22752	72886	5610 41704	FRITZBOGER E 36452	
FREDERIKSEN P S 54706	FREGA A 82019	FRESHWATER I T 77530	FRIEDMAN S 26269	FRITZCHE G 69879	
66594 92296	FREGOLA C 103447	FRESNAYE J 83610	88985	FRITZEN A 35945	
FREDERIKSEN R A 37435	FREGONI M 59618 59668	94517	FRIEDMANN I 27062	FRITZSCH W 92817 94519	
57912	80299 89443	FRETER D A 43400	FRIEDMANN J 53720	FRITZSCHE G 45069	
FREDERIKSEN S 47094	88984	FREUDENBERG G 43401	74048	69878	
47252	FREHNER H K 106562	FREUDENBERG K 3076	FRIEDRICH E 17039	FRITZSCHE K 4152	
FREDHOLM H 25849	FREHSE H 42809	6020 12430 91757	66384 86568	50932 54108 61083	
FREDRICH 64629	FREI A 75716	99886 100603 103026	10603	72614 93215	
FREDRICK J F 10186	FREI C 11396	FREUDENTHAL T 98738	38077	FRITZSCHE O 102152	
28314 89818	FREI E 29605 70244	FREUDIGER U 3813	59091	FRITZSCHE R 9759	
FREDRICKS W W 28315	FREI K R 60	31558 92693	FRIEDRICH H 106513	10604 50020 107983	
FREDRICKSON C 56798	FREI Y F 3570 42199	26268	FRIEDRICH J P 16284	FRITZSCHE W 66877	
FREDRICKSON R L 52269	103300	FREUND P 108995	FRIEDRICH P 79854	91943	
FREDRICKSON T N 22656	98554	FREUND R A 87003	FRIEDRICH K 87365	FRIVALDSZKY I 98479	
FREDRICKSON O 42121	FREIBERG A H 68102	FREUND R J 13454	FRIEDRICH P 59495	FRUBE A 67075	
FREDRIKSEN G 82681	FREIBERG I A 40634	FREUNDLICH A 31807 41916 62692	FRIEDRICH ZM 21477	FRUBERVILLE R DE 55825	
FREDRIKSEN R L 20971	FREIBERGS L 24224	FREUND E A 103196	FRIEDRICHS 41764	FRUBES L S 103979	
FREDRIKSSON B 81348	FREIER B 96216	FREVERT R K 40329	FRIEDRICHS H 47095	FRUBLICH J 81109	
FREDRIKSSON L 2355	FREIER O 95898	FREW S 27128 108832	FRIEDRICHS K H 36366	FRUCHOT B 23950	
11163 27901 90863	FREIHERR H 11450	FREY F W 17130	FRIEND B 36312 87801	FRUDYMA M M 13444	
100745	FREIRE E S 9686	FREY G 94861 94862	FRIEND D J C 27903	FRUEHLICH C G 14994	
FREE G R 60374	11463 11464 11470	FREY H 109096	38078	33048	
FREE J 84858	11471 11472 11504	FREY H H 51501	FRIEND D W 31204 32351	FRUEHLICH J 77439	
FREE J B 38074	22338	FREY K J 27745 48094	32439 62739 82095	FRUEHLICH E J 51464	
53061 63741	101871	48685 58368	104776 104822	FRUEHLICH R C 99166	
FREE K W 21644	83937	FREY L 16637	15333	FRUESE-GERTZEN E 18709	
FREE W A 24516	106869	FREY M L 41676	10187	FRUESE-GERTZEN E 89446	
FREEARK C W 75393	FREIER F 21531	FREY S 18328 47517	FRIEND I J C 92484	FRUGER H 43800	
107460	FREISSLER 74019	FREY W 52998 73293	FRIEND M T 80983 92484	FRUGET J 41212	
FREEBAIRN D K 26773	FREIST W 17316	FREY-WYSSLING A 99887	FRIEND R G M 18902	FRUGNER S 78234	
FREEBAIRN H T 9757	FREITAG H 5835 99754	FREYER K 39953	FRIEND W G 33246	FRUHLICH G 24162 88716	
68244	FREITAG M 28954	FREYMULLER H 90014	FRIENHOFF K 11869	90757	
FREEBERG E E 44686	FREITAG R 66726	FREYRE G 27290	FRIES L 9758	FRUHLICH H 38659 50021	
FREED V 57778	FREITAG R S 82376	FREYRE R H 99381	FRIES M 19304	50253 50254 70285	
FREED V H 973 28074	FREITAG W A 83000	FREYTAG A H 8576	FRIES N 78473 78474	FRUHLICH H G 25850	
34098 98425 101488	73068	78114	FRIES S 57510	34546	
FREEDMAN H 91723	FREITAS A DE 59619	FREYTAG H E 70351	FRIESAN H A 101549	FRUHLICH H J 91514	
FREEDMAN S L 4150	FREITAS A G B DE 23136	FREYTAG P H 84038	FRIESE G 84135 84136	91572	
41984	FREITAS C A DE 83243	95172 95173 95174	FRIESE R 34008	FRUHLICH J 87314 99009	
FREELAND R A 13000	FREITAS J L P DE 80369	95175	FRIESECKE H 32468	FRUHN D 49546	
FREEMAN A E 31500	FREITAS L M DE 71705	FREYTAG R 107162	32469 65210	FRUHNER S 98888	
103453	FREITAS M G 72378 72379 72613	FREYTAG U 4151 31886	29209	FRUOTER K 85103	
FREEMAN B A 38076					



FROKER R K		ITEM	57254	FUCHS S	19105	FUKUDA T	--CONT	94594	FUNDERBURK H H	10139	FUTAIUCHI K	34730
FROLAND A		ITEM	102642	FUCHS Y	68922	FUKUHARA N	68775	102643	--CONT	27906	FUTAMI A	75659
FROLICH A			4088	FUCHSOVA A	75689	FUKUHARA T	17234	25353		39454	FUTO L P	21537
FROLICH E F			79539	FUCIC E M	102153			108953		39455	FUTRAL J G	30605
FROLICH H			49313	FUCIC J E	80088	FUKUI H	98741	99167		90606	FUTRELL J G	27084
FROLICH L A K			44088	FUCIC V	89820	FUKUI J		9760	FUNDING T		FUTRELL G	36210
FROLOR S S			33547	FUCIMAN L	69366	FUKUI S		435	FUNG W C	100165	FUTRELL M C	47059
FROLOV A I	19870		28895	FUDALEJ J	53842	FUKUI Y	40825	51279	FUNK A	88512		68148
FROLOV B A			14011	FUDULOV D	38780	FUKUNAGA E T		20253	FUNK C R	19475	FUTSCHIK J	6431
FROLOV N N			80587	FUEGE G	57403		39000	79531	FUNK D T	29653		106928
FROLOV T V			77159	FUEHRING H D		FUKUNAGA K	38491	39738	FUNK E M	7349	FUTSUHARA Y	58395
FROLOVA A			79660		40069		39739	49741			FUZATTO M G	9899
FROLOVA M I			100206	FUEKI A	108156			101748	FUNK J W	60593	FUZEAU-BRAESCH S	53528
FROMAGEOT F			7253	FUENTE J M DE LA	32755	FUKUNAGA S		101749	FUNK K	92894		106078
FROMER R			80928	FUENTES F D	9031	FUKUNAGA T		60149	FUNK R C	53184	FUZITA K	100372
FROMER R N			79934	FUENTES S F	57914	FUKUKA K	30207	80864	FUNK W	97679	FYE R E	23387
FROMM M A			7353	FUENTES-CORTES R	46142	FUKURA H		28829	FUNK W E	64428	FYFE J L	788
FROMME G			50857	DE		FUKUSHI S	33958	87253	FUNKE G	16684	FYG W	23429
FROMMER S I			23658	FUERST R	69206	FUKUSHI T	17354	18294	FUNKE L	90777		42810
FROMMES S P			3715	FUERSTES-POLO C	23083			23197	FUNKQUIST B	31560	FYRE J L	27752
FROMMING E			77531	FUGE G	67676	FUKUSHIMA H		19414	FUNNELL H S	32502		
FROMSDORF G			70949	FUGE R B	74201		32033	59011	FUORTES M G F	14955		
FROMUNDA V			63136	FUGE R G	94093	FUKUSHIMA K		35678	FUQUA J E	45362	G	
FRONING G W			66077	FUGIOKA T	62693	FUKUSHIMA S		45574		84441		
FRONK W D			33311	FUGISHIRO Y	60808			91896	FUQUAY D M	40706		
FRONTALI N			105560	FUGITA S	93426	FUKUSHIMA T		103762	FURBER J H	34961	GAAFAR A K	89447
FROSCHER P	9416		109129	FUGL B	52591	FUKUSHIMA Y		35884	FURI J	91247	GAAFAR S M	22977
FROSHEISER F I			48832	FUGLEBERG S	40999		36069	86834	FURL H	1485		42921
				FUGUITT G V	8054	FUKUSHO K		97830	FURLETOV N G	82466		103984
FROSI P			81905		35450	FUKUTO T		3702	FURLONG M	84017	GAAK O YA	101398
FROST C M			101689	FUHN I E	23176	FUKUTA T R	23083	23137	FURLOW H G	70884	GAAKEER J	10917
FROST D C			29489	FUHR F	60196		42418	42481	FURMAN D P	23138	GAAL GY D	28351
FROST D V	36588		55504	FUHREN P	7199		64229	73869	FURMAN L	34470	GAAL L	82765
FROST F			50711	FUHRER E	83546			83507	FURMAN R W	7530		104601
FROST J N			33172	FUHRMANN A	39955	FUKUYAMA Y		83520	FURMIDGE C G L	27380	GAAL M	82740
FROST J T			61972	FUHRMANN J	4943	FUKUZUMI T		35946	FURMINGER I G S	72390		28863
FROST K			81045	FUJI H	20099	FULARA A	38881	18906	FURNEAUX P J S	73866	GAAS A A	50858
FROST K R	11031		59931	FUJI S	30442			48932	FURNER J O C	82737	GAASTRA P	18907
	59939		70718	FUJIE K	90501	FULBERTH W		51457	FURNISS M M	42977	GABALDON A	4708
			80553	FUJII E	80863	FULBRIGHT J W		86136	FURNISS R L	53043	GABALDON-GONZALEZ	69525
FROST L W			29612	FUJII H	41654	FULCI A		8224	FURNISS R W	84525	F	
FROST O L			103716	FUJII M	26970	FULDA E	15145	98353		50255	GABEL A A	13371
FROST O M			55213	FUJII N	75197		24103	20844	FURON R	105277		22400
FROST R R			37674	FUJII S	96883		84473	86718	FURON V	105277		22450
FROST S	9568		78270	FUJII T	88588	FULEIHAN J S		108177	FURQUA J E	24091	GABELMAN W H	9573
FROST S W	94637		94638	FUJII S	35418	FULEKI T	6870	16927	FURR J R	59517	GABER D	10263
FROST W W			92893	FUJII T	787			54943	FURR R D	3447	GABERT A C	789
FROSTER G			56980		18710	FULFORD M	8783	55148			GABET R	36154
FRÖVA G			30804		36208	FULFORD R M		99888	FURRER A H	29202	GABILOLLIN V M	106612
FRÖYD G	31296		72175			FULGA E		58613		29210	GABIKOV T G	72026
			82195	FUJIKAWA G	100216	FULGA F		24649		29211	GABLER	109097
FRÖYSTAD B			61115	FUJIKI T	81298	FULGA I G		44301	FURRER H	79814	GABLER E	106250
FRUGOLI D M			90864	FUJIL M	93255	FULGHAM F E		9753	FURRER J D	74331	GABLER H	27003
FRUHWALD K			108155	FUJIMAKI M	25851	FULGHAM R E		74044		79124	GABOS D	12891
FRUHWIRTH J			11882	FUJIMORI I	27499	FULGHUM R S		90970	FURRY M S	79797	GABOVICH V I	25476
			40404	FUJIMORI S	28745	FULIGNOLI F		3169	FURSE P	94865	GABRANI K	105660
FRUKTOVA N I			69065	FUJIMOTO G	40196	FULK T A		45131		94866	GABREA G	63239
FRUM M			91888	FUJIMOTO I	41432	FULK T A		2867	36814	36813	GABRIEL A	60712
FRUNDEL F			4627	FUJIMOTO N	94593	FULKA J		21984		39187	GABRIEL GY	23986
FRUNIVAL B F			93245	FUJIMOTO N	83689	FULKILA H M AF		39188		39188	GABRIEL K L	3361
FRUTCHIEY F P			56404	FUJIMURA K	35886	FULLBROOK F J		109107	FURST H	77691		13250
FRUTON J S			54117	FUJIMURA M	27453	FULLER C E		30756	FURST D	36624	GABRIEL W	99580
FRY A W			70711	FUJIMURA T	28449	FULLER D J		107459	FURSTE K	100042	GABRIEL W J	102644
FRY B O	37848		90347	FUJINO N	91007	FULLER E J	44710	54924	FURTADO C	35419	GABRIELI M	43436
FRY J L	31989		55701	FUJIOKA S	44383			55112	FURTADO J S	628	GABRIELLI A C	21980
			93216	FUJIOKA T	92984	FULLER G R		65609	FURTUNA I	63376	GABRIELSEN H	96459
FRY K T			10188	FUJISAWA T	93217	FULLER H	42920	36070	FURTUNESCU A	21985	GABRIELSEN E K	31709
FRY P R	18293		37436		84793			73517		62221	GABRIELSON I N	56405
FRY R A			108568	FUJISHIMA T	31114	FULLER H J		94717	FURUHATA K	104207	GABRIELSON R L	99339
FRY R J M			92728		31764	FULLER H L		77160	FURUHJELM J R C	98496	GABRIELYAN E TS	26854
FRYAR A J			22178	FUJITA E	24382	FULLER H S		41911	FURUHOLMEN A M	54986	GABRIILIDES S T	11194
FRYBERG A			8089	FUJITA H	30787			53183		54987	GABRIS J	22753
FRYC J	62608		72480	FUJITA J	40339	FULLER J		52065	FURUI Y	107729	GABRYL J	90552
			91944	FUJITA K	1120	FULLER J H		55037	FURUIKE H	64335	GABRYS A	62497
FRYDENBERG D			786		35560	FULLER J L	3322	82356	FURUKAWA H	8823	GABRYS K	31549
			89265	FUJITA S	93218			92270	FURUKAWA S	6272		92706
FRYDMAN R B			6739	FUJITA T	95774	FULLER R C	78475	100217	FURUKAWA T	24595	GABRYS K J	92697
	19307		58991	FUJITA Y	626	FULLER V	24416	36209	FURUMOTO W	99638	GABY L I	30532
FRYDRYCH J	976		68625	FUJITA Y	96	FULLER W		31180	FURUMOTO W A	18295	GAC A	43801
FRYE J			61339		627	FULLER W A		13815		18296		84996
FRYE J B			92631	1329	7264	FULLER W H	80028	80103	FURUNO T	43265	GACEK K	52561
FRYE R E	15407		44671	7334	78947	FULLMER F S		101944		83547	GACEN J	65262
FRYE S H			5265	100604	100605	FULMEK L		67518	FURUNO Y	5000	GACHON L	78477
FRYE T C			17370	FUJIWARA A	1101	FULMER J L		34053	FURUSAKA C	51454	GACONGNE J P	93222
FRYER D W			8090	9867	18905	FULMER J P		79602	FURUSHIMA T	36565	GACSI J	21369
FRYLINK G P A			22179	50022	58611	FULMER R W		24358	FURUSHO S	106807	GACSI V	60926
FRYMAN L R	31172		65015	FUJIWARA H	83026	FULMINE F J		83040		93174	GACULA M	81945
			84388	FUJIWARA K	3913			104686	FURUTA F	41952	GACULA M C	3448
FRYREAR D W			2876	FUJIWARA T	17234	FULDOP G		5639		10814	GAD A M	45132
	70818		81264	31718	108953	FULDOP I		16621	FURUTA T	11497	GAD H	97547
FRYREAR J I			24202	FUJIWARA M	62948	FULTON D		94094	FURUTA Y	94595	GADAL P	69182
FRYRELL P A			78116	FUJIWARA T	89821	FULTON J D		98742		94596	GADD G O	41000
			90094	FUJIYAMA R	31281	FULTON J M	78476	89437	FURUTANI S	38083	GADD J N	62431
FRYXELL R			26638		57098			91246	FURUTANI Y	978	GADDA H W	36071
FU H C			101070	FUJIYAMAR	106851	FULTON J P		27479	FURUYA K	54416	GADDINI L	57434
FU H F			105175	FUJUMURA F N	108601	FULTON N R		68134	FURUYA M	32036	GADDIS A M	65912
FU I			97940	FUKALA E	5941	FULTON N O	16932	18821	</			



ITEM			ITEM			ITEM			ITEM			ITEM		
GADZHIEV K SH	13501		GALA R R	52138	82493	GALLE F C	265	90438	GAMFERRO J C	14540	GANTNER GY--CONT	ITEM		
GADZHIEV V D	27439		GALAKHOV N N		68778	GALLE J		98540	GAMERTSFELDER A	46287		97136		65899
GADZHIEV V M	69526		GALAKTIONOV I I		69835	GALLEGOS C C		9019	GAMETZY S	24649	GANTT E		37675	
GADZHIEVA M A	11317		GALAKTIONOV V F		30374	GALLERA J		52247	GAMEZ R	83799	GANTZ K L		79798	
GAEDE	12806		GALAMB B		90626	GALLERO R		60124	GAMGEE J	8499	GANTZER E		99449	
			GALAMINI K		108267	GALLI G		31644	GAMMERMAN A F	60029	GANZ A	54511	65097	
GAEDE E A	3571		GALAMINI L	16685	45661	GALLIARD H		87941	GAMMON C	94416	GANZ S N	102313	102314	
GAEDE S E				36211	45660	GALLICHER J		6782	GAMMON C P	30665	GANZAK I		73161	
GAEDE Z				74255	74299			67297	GAMMON N	60499	GAONA R H		492	
GAEL A G	11397				107565	GALLIGAN W L		30725		90119	101650		32622	
			GALAN C DE	45898	45963			103043	GAMPE W	45561	86719		75813	
GAENKO N			GALAN-LARGO M		19871	GALLIKER K		15514	GAMPER N M		4659		58245	
GAERTNER E E			GALANETS S		69964	GALLINA L	4492	12590	GAMS H	46793	57435		108179	
GAERTNER R A			GALANTE E		100635		21752	22180			88130		88541	
GAETANI S			GALANTI M		33897		71912	72968			91947		89930	
GAEV A			GALASSI D		32437	GALLANAL A		103217	GAMS W		106361		44455	
GAEVOI E V			GALAT B		31173	GALLINAL-HEBER A		67136	GAMSHOG C	53793	GAPONENKO N I		91300	
GAFANOVICH V S			GALAY N		56272	GALLINGER D		69527	GAMSKI K		33898		83340	
GAFAF M E	59890		GALAZKA P		74934	GALLING G		9762	GAMUNDI I J		9421		13951	
GAFAROV A K			GALBEN T	11231	11248	GALLINGER D		82769	GAN A I		65993		69766	
GAFENCU A			GALBERRY H S		49861	GALLINI M S		76689	GAN L R		25165		101197	
GAFF O F			GALBRAITH A R		45134	GALLIVER G H		74495	GANA T C		3816		78596	
GAFFINEL C	85791		GALBRAITH J K		97831	GALLO C		31297	GANAPATHY M S		61360		107217	
GAFFNEY H E			GALBREATH A		249	GALLO C G		52103	GANAPATI P N		12591		66436	
GAFFNEY L J			GALCHINSKII V		33922	GALLO J R	9763	94431	GANCARZ B	3171	72177		105513	
GAFFORD R D			GALDIN G B		20387			15525	GANCEDO J		9319		31161	
GAFFREY G			GALDIN M V		84474	GALLO L		29700	GANCHEV I		88219		31162	
GAFFRON H			GALE C	3572	3608	GALLO P		4147			9320		79663	
				22189	41607	GALLO S		93961			88220		76133	
GAGANOV P G			GALE F		7461			90879	GANCOPAD-HYAYA N		97576		39957	
GAGARIN P K			GALE G D	22616	41987			101643	GANDAR L W		96449		10613	
GAGARIN V G			GALE H J		39702	GALLOP R A		6871	GANDARA A F		82864		58337	
			GALE J		18910	GALLOWAY A H		66265	GANDER G W		4705		95129	
GAGARINA E I			GALE J F	8040	98077	GALLOWAY D B		92173	GANDER M C		52292		52966	
GAGE M A					108093	GALLOWAY H		70459	GANDHI R T		47588		54601	
GAGE M H	66000		GALE P H		19124	GALLOWAY H M		40340	GANDIA H		53437		12688	
GAGLIARDI			GALEANO											



ITEM	ITEM	ITEM	ITEM	ITEM
GARCIA-DIAZ D 32178	GARLOCK F L 26640	GARWOOD V A--CONT 83011	GAUER C E 101296	GEARY J C 103982
GARCIA-DURAN E 10327	GARLT C 108056	GARY N E 53062	GAUFIN A R 84219	GEARY R J 29183
GARCIA-GARCIA J L 96777	GARMAN C F 64459	GARY-BOBO J 27711	GAUGER C J 12775	GEARY T F 78486
GARCIA-GUTIERREZ J 8091	GARMAN P 47096	GARYUGIN G A 70721	GAUGER G W 58633	GEBAUER H 13005
GARCIA-HURTADO J 33959	GARMANY H 107959	GARZ J 58728	GAUGH P 16464	21842
GARCIA-ISIDRO M 48933	GARMASH L M 39898	GARZA A M 50024	GAUJERS V 10918	GEBBERS K H 40120
GARCIA-LOZANO F 34872	GARNAUD J C 50195	GARZA-GALLEGOS J 70819	GAUKER F B 32550	GEBBING H 10177
GARCIA-MARTIN G 97549	GARNER C F 19890	DE LA 7984	GAUL H 78272	GEBGARDT A G 90914
GARCIA-MENDOZA C 27502	GARNER E 7765	GASANENKO A YA 48651	GAULDEN M E 106071	GEGBARDT G 31706
GARCIA-NAVAJO F 51895	GARNER G B 34005	GASANOV A A 5082	GAUMANN E 27004	32365 32415
GARCIA-OLMEDO R 54534	GARNER H V 20640	GASANOV A M 37676	36486 46715	76134
55008 86178	GARNER M R 94719	GASANOV I M 16952	GAUME R 109098	GEHBARDT G A 140414
GARCIA-ORAD A 86267	GARNER R G 57084	GASANOV M I 3173	GAUMNITZ E W 24957	GEHBARDT H 24993
GARCIA-ORTEGA R 74824	GARNER R J 58618	GASANOV R A 12592	GAUMONT R 63097	85104
GARCIA-PALACIOS A 96206	GARNER W E 6624	GASC-DAIREAUX A 71237	GAUNITZ S 14617	96582
GARCIA-PESTANA A 22531	GARNHAM R C C 52784	GASCOIGNE J A 6184	GAUROY P 100227	66991
22532 22637	GARNHAM R 6490	GASCON J P 26984	GAURY C 64343	80929
GARCIA-POSSE J D 33724	GARNIER J 6367	GASELEE J 64336	GAUS H 8373	15220
GARCIA-PUZUELO E 1524	GARNIER-GOSSET J 100598	GASENKO L I 75496	GAUS V 43437	41668
GARCIA-VICENTE J 20425	GARNSEY M E 56024	GASIEWICZ W 80208	53637	64000
GARCIN B 12764	GAROGLIO G 86279	GASIOROWSKI H 25620	GAUSMAN H W 29119	GERLER H 13367
GARCIS-OLMEDO R 54129	GAROGLIO P G 15526	GASIOROWSKI S 91838	29489 29702	41271
GARD L N 54984	24639 44171	GASKILL J D 9765	GAUSSEN H 68784	100481
GARD S 3862	64955 75691	10538 27912	GAUSSERES B 40633	81299
GARDENAS M 8693	107717	GASKIN T A 78480	GAUSTAD M 62091	104455
GARDENGI E 6704	GARIOAN L 46288	GASKINS H 2645	62436	62919
GARDINER B 94098	GARIOU M 93327	GASKINS M H 58620	97962	50196
GARDINER B G 83508	GARPMAN I 41722	GASPAR J J 59759	57080	91948
GARDINER B D C 33387	GARRARD E H 24307	GASPAR L 100226	67262	102154
84138	GARRARD H L 100225	GASPAR S 78481	11264	56798
GARDINER E E 62748	GARRARD L A 982	GASPAR S N 81961	18836	91431
GARDINER G 36649	GARRARD N M 58619	GASPAR T 18913	69071	7027
GARDINER H C 34702	GARRATT W C 54910	68782	68458	85903
GARDINER I B 84296	GARRAWAY J L 48626	GASPAR ZS 62915	47086	46072
GARDINER J L 4154	GARRE A L 91334	GASPARD M 92708	17968	106904
GARDINER M R 4155	GARRELOS H H 62949	GASPARINI G 13003	99169	60904
22813 68781	GARREN H W 4031	101496	27342	39704
GARDNER A E 5179	GARREN K H 47254	GASPARINI U 66072	27503	49835
GARDNER A L 19620	GARRETT C J 34922	GASPARSKA J 97342	18866	34549
GARDNER B D 8012	GARRETT H E 16558	52241	18867 38035	22483
GARDNER B R 65798	GARRETT J C 49188	91076	78484	27886
GARDNER C A 29701	GARRETT L F 36313	GASQUE F 65545	98890	31575
GARDNER C A 8694	GARRETT L F 6705	GASQUE-PASTOR F 75336	29017	27457
GARDNER C O 88304	GARRETT P J 75234	3174	GAVELLO L E 26775	43062
GARDNER D 27679	GARRETT R H 16243	GASSE H 81757	7849	64003
GARDNER E J 58384	GARRETT R L 64466	103374	26776 76059	36547
GARDNER F A 20822	22581	GASSELING M T 13553	86743 108397	6990
GARDNER F E 78271	31876	GASSER J K R 60734	108398	35531
GARDNER F E 62753	GARRETT S D 21877	GASSMANN B 25621	66610	82608
GARDNER F E 58617	27480	55283	90957	93223
59512	49784	GASSNER E 108596	82809	39714
GARDNER H R 1229	GARRETT V H 34879	GASSNER F X 8459	23051	80303
29623 79943	GARRETT W 35181	71926	26855	458
GARDNER H S 91767	GARRETT W N 84672	95122	27406	46090
GARDNER H W 80300	12877	GAST E 43802	1409	87376
GARDNER J A 104219	72033	GAST R H 39190	100417	51078
GARDNER J A F 30671	82055	GASTANAGA COLL A 64299	75818	197
GARDNER J L 48828	GARRETT-JONES C 94099	GASTROCK E A 64668	1454	99890
GARDNER K B 36155	94261	GASTINEAU R L 108833	21763	81706
GARDNER K E 98140	GARRICK M D 100606	GASTON H P 55149	2204	63613
GARDNER L R 87844	GARRIDO J M 74569	GASTON L K 64229	93835	83419
GARDNER M W 47421	106849	GASTROIN B 92390	39412	49700
GARDNER R 15895	50557	GASTROCK E A 29641	41075	83522
38024 49187	GARRIDO-PAULET R 30175	65994	78485	35241
GARDNER R B 51057	GARRIGUS R 72090	97718	9423	66878
GARDNER R H 16557	GARRIGUS R R 72178	GATA G G 39703	49545	8478
GARDNER R W 22781	GARRIGUS U S 13676	GATAULINA G G 59334	47097	86835
GARDNER W 29362	32209 63044	GATES C E 27680	59559	106329
GARDNER W D 108164	GARRISON W P 93611	GATES C T 78482	97550	16100
GARDNER W H 2123	GARRISON C S 107579	GATES D E 17967	100228	55275
GARDNER W R 18911	55773 78398	GATES D H 29213	983	75391 75392
27910 48068	97043	68783	49608	96958
GARDON J L 88097	GARRISON I 97105	91609	37762	24994
GARDS F 104487	GARRISS H R 428	GATES D W 103700	29947	34291
GARDOU C 18541	GARROW C 54811	103848	59114 66144	75393
GARELKOV D 49888	GARRUTI R DOS S 15527	78023	78377	97530
GARETH JONES D 48098	GARRY R J 6273	25072	71366	63374
GAREWAL N S 31808	GARTNEY J S 4156	GATES J E 7293	GAWRYCH S 16419	23665
93074	31907	GATES P W 16984	86460	80747
GAREZ H E 70720	GARTNEY J 7848	35931	56982	107463
GARFINKEL D 99758	GARTST J 96088	17112	31614	52603
GARG D K 20639	GARTSKA W U 109231	9766	108012	43647
GARG D N 67476	GARTEL W 9764	GATEV C 66609	23951	70353
GARG J S 108268	GARTH J S 84140	93855	26057	70353
GARG K P 101946	GARTH R E 99759	91581	54602	44809
GARG L D 3232	GARTH-GRUNER G 45662	102647	85351	43267
GARG O D 55990	GARTHE O K 67137	68457	69642	83147
GARG S P 63003	GARTHWAITTE J M 59699	19172	104017	49830
GARGA R P 9214	GARTLEY B J 26895	60549	104219	60757
GARGANI G 31238	GARTNER E J G 40467	24007	16576	17803
GARGANO-IMPERATO F 91075	GARTNER J B 19736	GATKIEWICZOWA J 87942	86090	78487
101718	38002 39162	21841	97144	36367
CARBOLDI M 64948	61762	13305	9038	65830
CARIN G I 30688	GARTNER R 72577	31620	4944	1294
CARKAVAYA V V 32352	GARTON G A 31290	4019	68019	87136
CARKAVI B L 104342	103219	21379	52139	45931
CARKAVYI P F 48693	GARTON J E 80559	41157	81758	94211
CARKUSHA I F 60057	GARTONOV G G 105360	35620	46957	26386
101849	GARTVALHO J M S DE 52930	51110	GAZELLE S A 86531	95027
CARLAND F W 52312	GARTVANSKA R 96715	76027	107984	55855
CARLAND K R 2527	GARTVER H L 84677	108132	57780	23749
11718	GARTVER J C 47992	63394	1585	42922
CARLAND S W 97627	GARTVIN F E 75765	51677	75307	35947
CARLAND W J 52902	GARTWOOD E A 89700	12202	31688	73142
57859	GARTWOOD F E 62697	40365	66078	62222
CARLING B 5512	93011	21515	93075	58621
84139	GARTWOOD J D 54039	63865	42292	89450
CARLOCK E 74460	GARTWOOD V A 12901	105712	51852	100229
		GAUDECKER B V 105712	52592	25477
		GAUDEL P 40838	60770	73308
		GAUDET J J 9321	11976	61826
		89111	97386	74593
		GAUDINEAU M 83137	97388	11032
			87179	29214

62



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
GIACOMINI V--CONT 87945 87946	78016 87947 88988	GIDEON J C GIDNEY D R GIEBEL J 99686	27382 50410 99687	GILDEA R Y GILDEMEISTER E GILDEN R O	66994 55600 95719	GILLIES M T--CONT 14705 73136	5615 73691 84017
GIACOMO A DI 48553	7267 55670	GIEBECZ T GIEDROJC B 49626	81522 60198	GILDEN R V GILDENBLAT A A GILDOSHTEIN N N	19276 83003 69615	GILLIES P A GILLIES R W GILLILAND C B	32586 92846 45664
GIACOVINI C GIAEVER H 56407	78493 76272	GIEHSLER H GIEDLOZIK F	105715 44456	GILES A K 35841 76273	67138 86720	GILLILAND H B GILLILAND M GILLIS J A	97 77252 107518
GIAMALVA M J GIAMMARINO A S	9275 96285	GIELEN W GIELINK A J	89812 58279	GILES E T GILES G GILES H C	5614 57918 107653	GILLIS M B 27918 GILLIS P GILLIS W T	80803 98527 37561
GIANNANI L GIANELLI A 76990	96400 87641	GIER H T GIERCAK M 57917	103790 67961	GILES J E GILES K W GILES L	70307 100233 10747	GILLOUARD P GILLS M G GILLWALD W 12263	82495 91020 105748
GIANELLI F GIANFRANCESCHI S	94035 75691	GIERER J 61450 GIERKE G GIERLINSKI T	61451 76904 30283	GILES N H GILES P 25625	47841 48966 92297	GILMORE A R GILMORE C E GILMORE E C	12263 12266 12263
GIANG P A GIANNARDI G B	44174 77249	GIERLOFF B C H GIERMAK E A	91951 15709	GILGUT C J 57850 GILKA F GILKA J	63662 72181 103223	GILMAN F GILMAN F M GILMAN J C	43764 45135 8825
GIANNESI P GIANNETTO F	25479 63139	GIERMICH M GIERSCHNER K	68787 54430	GILKEY H M 46809 GILL A H 24198	67948 84296	GILMAN J P W GILMAN R A GILMARTIN M	41565 93707 78496
GIANNINI R W GIANONNE A	7462 68117	GIERZYCH M GIERZT H W 21581	68787 21582	GILL B S 630 13503	852 21843	GILMER R M 27294 GILMORE A R GILMORE C E	78990 99584 12081
GIANTURCO M A GIARDILI A M	96285 82450	GIESBRECHT J GIESE A C	31003 62653	GILL C C GILL D L GILL E	41002 78494 42783	GILMORE E C GILMORE J E GILMORE L O	12266 51111 88717
GIARDINI A 19514 30790 95718	19621 100953	GIESE R L GIESECKE D 31263	78494 31264	GILL H J GILL H S GILL J C	42783 31264 30044	GILMORE J E GILMORE J E GILMORE L O	93707 78496 78990
GIARDINI L 18155 19621 20271	100954 19514	GIESECKE W GIESECKING E	41280 81760	GILL W D GILL W J GILLANDERS B R	91952 93226 92293	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIARVINI I GIBB J A C	93225 53604	GIESEKING E GIESEN H J	102900 29048	GILL K S GILL L S GILL M S	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBBINGS C W GIBBON H A	108015 95510	GIESEKING E GIESER A GIESSEN L B VAN	105361 29048 5852	GILL P S GILL S GILL T	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBBONS C A GIBBONS E	108835 1793	DER GIESLER H	97964 104800	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBBONS F R GIBBONS H	101850 98141	GIESY R M GIFEE J W 25852	68460 75629	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBBONS J R GIBBONS R W	7850 12878	GIFFORD C W GIFFORD D R	17850 43990	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBBONS W J 22391 22416	13007 22422	GIFFORD E M GIFFORD R O	63867 18543	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
22422 22426 103220 103221	22419 19150	GIFFORD W H GIFFORD R O	596 2955	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBBS A C G GIBBS A J 4792	103704 18393	GIFFORD W GIGANTE B	90864 31516	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
18298 23418 GIBBS C B 30316	105415 61019	GIFFORD W GIGANTE B	31516 105178	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBBS E 6051 GIBBS H C	6884 63099	GIGANTE B GIGANTE R 37226	6884 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBBS H S 2268 49578	2798 101851	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBBS I GIBBS J A	81491 11399	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBBS J L GIBBS J P	984 70723	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBBS J P P GIBBS M	45948 17205	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
19274 19300 19341 79064	985 19300	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBBS R D 1335 GIBBS R J	19311 22178	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBBS R L 80306 GIBBS S D	94103 63661	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBBS W J GIBBORD W R	108984 52126	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBBY C GIBBY C W	25624 4157	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBOR A GIBSON A C	28318 47099	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBSON A H GIBSON A J F	47853 73164	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBSON D 3575 GIBSON D L	49079 74393	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBSON E J GIBSON E S	81379 77251	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBSON E W GIBSON F A	103481 42721	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBSON H C 8943 GIBSON H F	23226 42396	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBSON H L GIBSON I A S	8925 37225	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBSON J GIBSON J B	89973 105714	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBSON J P 13253 104195	13254 104195	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBSON J S GIBSON K	94104 30488	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBSON K M GIBSON M	51058 43866	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBSON M D 19824 GIBSON M R 48104	19926 58626	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBSON M S 19312 GIBSON P B 47059	78952 79285	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBSON Q H GIBSON R H	62170 36072	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBSON R L GIBSON T	24452 70354	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBSON T E 63100 GIBSON W B	103222 58627	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBSON W K GIBSON W L 45663	12158 56408	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIBSON W N GIBSON W C	2692 104346	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GICARDA F GICHNER T 18542	72391 47887	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIDDENS J GIDDINGS D	68786 42592	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIDDINGS G S GIDDINGS J L	82742 26763	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542
GIDDINGS S A 2646	2646	GIGANTE R 37226 GIGANTE R 37226	99583 99583	GILL W D GILL W J GILLANDERS B R	99344 62820 101850	GILMOUR J S L GILS J J GILS J J V	99584 12081 91542

64



ITEM	ITEM	ITEM	ITEM	ITEM
GOLWIN S 98950	GONTAROVSKII V A 59182	GOODIJN J P 43915	GORBUNOV K V 78017	GORLACH K 91368
GOLPEN B P 32265	GONTARSKI H 67549	GOODIN J R 1338	GORBUNOV M G 67702	GORLENKO M V 57919
GOLTSBLAT A I 32180	94522	GOODING A M 36644	GORBUNOV N I 11400	88723 99352
GOLUB S J 34551	GONYA A J 74974	GOODING C D 77182	29490	GORLIN R J 12599
GOLUBENKO E K 103097	GONZALES A L 15921	17256 17257 8378	GORBUNOV V 33707	GORLITZ H 11507 50141
GOLUBEV V N 28635	GONZALES C Q 52938	82865	GORBUNOV V M 82199	80418 103099
GOLUBEVA L V 8578	63621	87845	GORBUNOV V P 10450	42475
67701	GONZALES D 23241	46759	19516	GORMAN B M 68781
GOLUBEVA Z P 89638	GONZALES F E 90644	334	11185	GORMAN R C 55039
GOLUBKOVA B M 78197	GONZALES J 90998	GOODING H J 55151	GORBUNOVA E N 50331	GORNAS E 32898
78198	GONZALES J E 52748	90505	GORBUNOVA I F 27997	GORNER L 17041 37066
GOLUBKOVA V F 57492	94339	29216	GORBUNOVA K F 63798	43439 86992
GOLUEKE C G 77161	GONZALES L 36741	80505	GORBUNOVA N N 52846	GORNIAT T 85203
88173	GONZALES M 89787	106199	GORBUNOVA N P 37681	GORNOSTAEVA R M 64005
GOLUMBIC C 55777	GONZALES N L S DE 46469	102159	GORBUNOVA Z I 3170	GORNY M 71185
GOLUTVINA M M 54603	4493	82737	72829	GOROBETS A M 18780
GOLVAN Y J 84215	GONZALES R R 69394	31815	80023	GORODEA G 1794
GOLYAKOV P N 36628	69403	36703	94035	GORODIA G 28896
GOLZIO S 108638	GONZALES-ORRIGOSO 33796	104478	81698	GORODKOV K B 53322
GOMA L K H 33155	E 63463	GOODMAN G J 36703	6432	GORODOV V 87062
GOMA P C 62854	GONZALES-SICILIA 39961	GOODMAN H O 104478	7377	GOROG I 43688
GOMATOS P J 18930	E 63463	GOODMAN J G 71594	76856	GOROG S 75837
GOMBAULT R 11650	GONZALEZ A 66995 106816	GOODMAN K V 49863	104195	GOROKHOVA V V 98816
98893	GONZALEZ A G 89826	GOODMAN L J 105717	101250	GOROKHOVSKAYA L 16263
GOMBKOTO G 89825	GONZALEZ A P 55401	GOODMAN N S 19314	2501	GOROMBEY G Y 1766
GOMBODDO S 76274	GONZALEZ D 13089	58994	68874	GOROVETS V K 352
GOMELAU L A 14437	GONZALEZ D N 72579	GOODMAN R J 24888	102650	GOROVOI P G 98
53187	GONZALEZ F 58250	GOODMAN R N 9677	94035	GORP C VAN 69396
GOMES A G 11504	FERNANDEZ A 66298	18341 37411	81698	GORROW B J 7768
GOMES C E DE S 22418	GOODRICH D C 66298	30902	6432	GORS S 88989
GOMES F P 90276	GOODRICH J S 30902	14012	40614	GORSCHKOW M P 45545
GOMES L 9903	GOODRICH K 14012	83839	57101	GORSHENIN K P 80164
GOMES M R M 68790	GOODRICH M A 83839	72779	76856	GORSHENIN N M 30001
GOMES P 13194	GOODRICH R D 72779	8227	104195	50453 50978 102376
16688	GOODSELL O E 8227	87180	22183	GORSKOV I S 79433
GOMES S 81934	GOODSON L H 94066	32275	72834	GORSKOV L A 72342
GOMEZ A A 10921	GOODSPEED T H 77162	GORDON H W 4096	4096	GORSKOV N V 53477
GOMEZ C 62229	GOODWAY N D 39464	GORDON I 13173	44774	GORSKOVA A A 993
GOMEZ CAMPO C 58396	GOODWIN BAILEY K 63396	GORDON J 35763	8080	GORSKOVA R P 48638
27894	GOODWIN E S 33992	GORDON J E 103098	103098	GORSKA D 34176
GOMEZ H 46570	GOODWIN F L 25167	GORDON J G 103098	103098	GORSKA I 62610
GOMEZ HURTADO A 66613	GOODWIN J D 86165	GORDON M 11506	20647	GORSKA M 34126 64844
102158	GOODWIN J W 7852	70885	102927	GORSKI A 24010
GOMEZ R 56804	GOODWIN P 68791	GORDON M A 18301	58077	GORSKI F 78123
GOMEZ-AGUILERA J 44994	GOODWIN R F W 42295	GORDON M P 18301	58077	GORSKI L 31994
GOMEZ-ARTERO J G 75684	83005	GORDON R F 4160	32039	GORSKI M 36491 46631
GOMEZ-AYAU E 8092	GOODWIN T L 26170	GORDON R S 62751	85520	48110 48111 49724
45456	GOODWIN T W 26171	104266	2940	50030 50031
GOMEZ-CAMPO C 78121	26171 62952	GORDON R V N 2940	78212	GORSKII A I 102161
GOMEZ-CARDENAS G 62230	1339	GORDON S A 19274	90631	GORSKII P V 11982
GOMEZ-FERNANDEZ L 33146	1340 19193	GORDON W E 49434	90631	GORSLINE G W 353
GOMEZ-HERRERA C 35184	GOODWIN-BAILEY K 58998	GORDON W G 24817	24819	1486 19573 27800
GOMEZ-JARAMILLO A 17149	GOODLSBY O H 98255	GORDON W L 46581	46581	48515 58397 58631
GOMEZ-NAVA M DEL 37228	GOOR A Y 21272	GORDON W M 86150	86150	68680 90828
S 37228	GOOR C P VAN 30317	GORDON W S 94107	94107	GORSLINE L 104219
GOMEZ-PADRON F 6492	GOOR J 91432	GORE A J P 37564	37564	GORST R 24163
GOMEZ-POMPA A 26857	GOOS A 37065	GORE B 79569	79569	GORTAIRE-ITURRAL- 102377
GOMEZ-QUIROGA F 56409	GOOS R D 9044	GORE R F 100453	100453	DE G 35007
76275	GOOS U 106218	CORE U R 449	28463	GORTER A 35007
GOMEZ-RUPPEL C 101299	GOOSSEN H 53813	GORECKA H 65610	65610	GORTER A J 33390
GOMEZ-SABUCEDO A 40200	64526 106371	GORECKI A 35622	87645	GORTER C J 99891
GOMILLION C G 27086	10309	GORECKI J 66775	72331	GORTINSKII G B 37565
GOMIS Y CASAS F 56139	GOOSSENS J M M 13009	GORECKI K 52847	52847	GORUSTOVICH N I 19873
DE 56140	GOOSSENS R 30248	68021	105179	GORYACHEV P P 18549
GOMM F B 28636	GOOT V S VAN DER 64004	GORECKI M 41076	41076	GORYACHEV V S 38711
GOMOLKA B 33923	GOOTS L 31302	GORELAK I B 81800	81800	GORYACHEVA E S 100113
GOMON G 27482	GOPAL-AYENGAR A R 84109	GORELIK A P 40202	40202	100502
GOMOT L 104348	GOPALACHARI N C 58995	GORELNIKOV I B 81800	81800	GORYACHEVA G I 57687
GOMYUNOVA N P 13993	GOPALAKRISHNAMUR- 103838	GOREN FLOT R 37682	37849	GORYACHEVA V I 105363
GOMULKA W 76137	THY K 108270	37682 37849	38517	GORYAEV M I 10255
GONCALVES C R 43357	GOPALAKRISHNAN R 49547	GORENSTEIN G 58685	58685	16285 16287 16288
GONCALVES I R J 55277	78276	GORENZ A M 47574	47574	16289 101801 107723
75380	GOPANENKO V M 92438	GORESLINE H E 6186	6186	GORYAINOVA I N 68366
GONCALVES J M 22181	GOPINATH D M 69658	GORET P 13252	13284	GORYANSKII M M 60675
GONCALVES P A 20257	GOPINATH K W 1341	21844	21902	89974
20331 24077	GOPINATHAN N 85106	22952	41601	GORYASHIN V A 103448
40201 44886	GOPKA V 5718	41698	81761	GORYASHKO P 70724
45521	GOPLA V V 32354	91953	103225	GORYSHIN N I 73808
GONCALVES P C 42183	GOPLA V V 32354	GORHAM E 2146	2146	GORYSHINA T K 9775
49255	GOPLA V V 32354	GORHAM J 22382	22382	20258 27401 89457
GONCHAR I D 76981	GOPLA V V 32354	GORHAM J R 8477	52077	GORYUNOV N S 60692
GONCHARIK M N 93228	GOPLA V V 32354	62484	81762	GORYUNOVA L N 9776
GONCHAROV I E 26880	GOPLA V V 32354	GORHAM P 104840	104840	10699 10749
GONCHAROV N 90504	GOPLA V V 32354	GORHAM P R 58544	58544	GORZ H J 14125 23223
GONCHAROV P I 32454	GOPLA V V 32354	GORHE D S 31942	31942	58996 78876 78953
GONCHAROVA A A 83778	GOPLA V V 32354	GORIN A P 69348	69348	GORZELAK A 49435 49436
GONCHAROVA E V 19367	GOPLA V V 32354	GORIN L F 39706	39706	50780
GONCHAROVA N G 73257	GOPLA V V 32354	GORIN P A J 9181	9181	GORZHKOVSKAYA S I 81763
GONCZI I 26778	GOPLA V V 32354	GORIN T I 27926	27926	91954
86838 95936	GOPLA V V 32354	GORING C A I 68022	68022	GORZYNSKA J 55278
GONCZII L 45899	GOPLA V V 32354	GORING D A I 30710	30710	GORZYNSKI S 21517
GONCZO J 25627	GOPLA V V 32354	41149 61509	71482	GOSHEH N S 38099
GONDA B 48696	GOPLA V V 32354	GORING H 9774	9774	GOSNELL J M 11491
GONDA G 45076	GOPLA V V 32354	GORING N L 53371	53371	28639 48072 49503
GONDA I 4264	GOPLA V V 32354	GORINI F 992	18920	50781 79892
GONDA L 34251	GOPLA V V 32354	GORINI F L 6811	27295	GOSS G 17213
GONDER W 71353	GOPLA V V 32354	28855 34802	39996	GOSS J A 89459
GONDEV I 88221	GOPLA V V 32354	44745	65593	GOSS J R 100793
GONDO Y 27132	GOPLA V V 32354	GORINSKII V N 102160	102160	GOSS O M 77857 99353
GONDOLA I 78122	GOPLA V V 32354	GORIS A 68792	68792	GOSS R C 47575
GONDOLOVICS L 92146	GOPLA V V 32354	GORIS M A 18921	18921	GOSS W F 87197
GONDOS M 51429	GOPLA V V 32354	GORISEK J 12586	103708	GOSSELIAN R E 57175
GONEN L 23906	GOPLA V V 32354	GORISNIC F 84947	84947	GOSSENAERTS J 45665
GONET B 71417	GOPLA V V 32354	GORITZ H H J 49192	49192	GOSSETT F O 52595
GONET T 25628	GOPLA V V 32354	GORKA-NIWIINSKI S 45564	45564	GOSSETT J W 32181
GONET Z 55237	GOPLA V V 32354	GORKOV M P 62231	62231	GOSSETT W H 22042
GONI-GARCIA M 86532	GOPLA V V 32354	GORLACH E 49703	49703	GOSSLING J 92439
90980	GOPLA V V 32354			GOSSLING W F 3450
GONICK W N 12585	GOPLA V V 32354			41433 85352
GONIN P 83613	GOPLA V V 32354			
GONNET M 105470	GOPLA V V 32354			
GONTAREVA N V 70537	GOPLA V V 32354			

ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
GOSSWALD K 23389 53432	GOULD L E 2409	GRABOWSKA M 3383	GRAHAM S S 36073	GRANT H J 43318	
105335 105877	GOULD M F 58997	GRABOWSKI K 29217	GRAHAM T G 10287 38827	GRANT H L 24643	
GOSTEV B I 43689	GOULD P R 35423	GRABOWSKI T 61766	GRAHAM T W 37502 47576	GRANT I 49317	
GOSTICK K G 4649	GOULD S 88244	GRACA A 83042	GRAHAM W R 8420 31720	GRANT J 41005 81492	
68317 105980	GOULD S E 104886	GRACA H M DA 72707	GRAHAM-BRYCE I J 29491	94867 95428	97295
GOSTKOWSKA K 80101	GOULD S W 98823	GRACH A 62699	GRAHL A 58632	GRANT J K 58998	
GOSUDAREVA A G 48252	GOULD W A 25477 34803	GRACANIN M V R 89461	GRAHLE A 10196	GRANT J N 6620 25169	
GOSWAMI N N 49782	44746 64749	GRACANIN Z 18427	GRAHM E R 90844		
GOSWAMI P C 35422	GOULD W L 39572	GRACE D G 25168	GRAHN D 48113	GRANT K A 83150	
GOSWAMI S K 3365	GOULDEN J D S 24818	GRACE H M 25783 86066	GRAICHEN C 24361	GRANT L S 53373 83216	
	44282 107016		15147	GRANT M L 17654	
GOTAN S M 77570	GOULDEN L 4545	GRACE O D 92582	GRAICHEN G 107643	GRANT M N 42609 68793	
GOTELLI W T 17665	GOULDEN R 33992	GRACE T D C 33443	GRAIGIE J S 34893	GRANT P J 49920 68368	
GOTH R W 27133	GOULDING R L 14234	GRACHEV D 49967	GRAIKOSKI J T 55509	GRANT P W 52786	
GOTHILF S 32856	GOULET E R 50454	GRACHEV I I 13800	81764	GRANT R P 41758	
GOTHALD B D 99959	GOULET N W 57086	GRACHEV N K 71680	GRAINGER J 18127	GRANT R S 82945	
GOTINK W M 63265	GOULSON H T 104182	GRACHEV N K 93768	34764 37229 57224	GRANT S A 9324	
GOTO E 56984 97834	GOUNY P 78955	GRACHEVA E P 67393	88910	GRANT T J 99587	
GOTO H 10213	GOURDON A 15779	GRACHEVA I M 6227	65800	GRANT T M 2300	
GOTO H E 95626	GOURLAY R N 12601	GRACHEVA M I 13041	97294	GRANT V 68627 78278	
GOTO I 18210 41454	GOURLAY C O 354	31331	35021	83150	
42026 42096		7270	GRANGER R B 36380	837 19322	
GOTO J 4203 52265	GOURNAY X DE 90632	106793	GRAIMER M 63980	58435 89272 100668	
93308 104399	GOURNAY-MARGERIE 19094	39199	GRAJEWSKI J 32349		
GOTO K 20553 20648	C DE	11249	GRAJPEL A 49701	GRANT W J 29445 29998	
41188 68147 102593	GOURSAT M J 18550	17458	24642	GRANT W R 56574 108401	
GOTO M 28334 37409	37683	28320	33747	GRANT-LIPP A E 100109	
	75166	GRADY E 12091	100795	GRANTHAM C K 41979	
GOTO S 52165	GOURVENNEC A 9662	GRADIN H 24012	23052	GRANTHAM C R W 88050	
GOTO T 27296 33612	GOUTAREL R 24889	60927	57921	GRANTHAM J B 61022	
33613 40932 40933	GOUTEFANGEA A 74861	67302	27497	GRANTOVA H 3225	
51209 81460 108933	GOUTEFONGEA R 32455	57132	24227	GRANVILLE A 22184	
GOTO Y 19248 19249	35008 42296	11400	93078	41980 65913	
	38885	GRADUSOV B P 49610	36630	GRANZ E 108686	
GOTSCH H 5889	GOUEVEIA P F 41835	49901	32437	GRANZOTTO L 45666	
GOTSIRIDZE L A 103054		46371	52596	GRAPENGISSER S 77004	
GOTSOV K 38761 89586	GOUW T H 97205	106648	1342	GRAPES V B 10751	
	90016	90183	57784	GRAPIN-POUPEAU D 23845	
GOTSOVA V 85902	GOUMS L 72847	27383	18129	GRAS G 92611	
GOTSOVA V A 34857	GOVE E 57259	4161	100236	GRAS GOYENA J 57421	
GOTT C 44737	GOVEN M J 29094	2593	20846	GRASBY N 59702	
GOTT D H 21478	GOVERN M J 69997	11850	80560	GRASCENKOV N I 94111	
GOTTE H 18942 61709	GOVI G 18125 18126	GRAEWE 9276	102856	94112	
GOTTFRIED J 65204	27134 99354	GRAF A 38826	90350	GRASENACK L 13467	
GOTTFRIES J 109069	GOVIER D A 18302	78956 86281	101214	89463	
GUTTHARDSSON I 22066 22294	GOVIL R S 54813	41517	21275	96720	
	GOVILA O P 26765	51595	37684	GRASHUIS J 62232	
	24225 41394	95305	37685	GRASMANIS V O 49705	
GOTTHOLD M L M 55279	GOVIN L 24226	74938	32457	69180	
GOTTL R 49316	GOVINDARAJAN T S 69014	44342 65122	36212	49973	
GOTTLICH K 20381 60603	GOVINDARAJAN V S 16510	96585		49973	
GOTTLIEB D 10167 48538	16514 35397 55998	27297 27298	9216	GRASSE P P 33495 73889	
89460 89827	GOVINDASWAMI S 38764	57087 87753	99586	GRASSI G B 98594	
GOTTLIEB F J 14618	GOVINOJEE R 28319 38100	87754 108918	18303	GRASSI L 77009	
64006 18231	GOVINDU H C 26936	52126	92176	GRASSI R L 11286 70317	
GOTTLIEB D R 3007	GOVOROV N P 12602	92896	88146	GRASSI U 90243	
	12602	92897	66206	GRASSL C O 36704 48968	
GOTTLIEB O T 78954	GOVORUKHA L S 11413	24765	56410	GRASSMANN A 83945	
GOTTLIOB J 92712	GOVORUKHIN V S 87988	23430	71727	GRASSMANN W 55435	
GOTTSCALK A 41434	GOVANS C S 69276	12961 81632	14801	GRASSO A 105560	
GOTTSCALK C 12689	GOVANS K D 9003 77655	67544	63747 95306	63497	
	77655	106200	95308 95309	95310	16953
GOTTSCALK U 7464	GOWDA M H M 9190	27683	95627	GRATAMA J A F 56708	
GOTTSCALK W 18719	GOWDA S K 47440	78277 100794	9277	GRATWICK M 83421	
47737 47858	GOWDA U K L 54418	4127 13664	14439	GRATZ 98529	
	82534	82802	94721	42485 42486	
GOTTSCHEWSKI G H 13611	GOWE R S 82534	91381	89797	42487 73166	
M 13618 14619	GOWEN J W 23421 82472	61454 91724	55856	GRATZ W 43621	
GOTTSCHE L 81497	GOWER J C 20634	8579 36629	60833	GRATZEK J B 61767	
GOTTSCHE L H J 61194	GOWING G M 92713	15	91755	GRATZL E 3820 21845	
GOTTSEGEN A 58989	GOY R W 3322 41859	8093	39467	72482 98530	
GOTTWALD A 106218	GOYA S 55906	14189 37067	99762	GRAU C R 52243	
GOTTWALD G C 88896	GOYAL S K 9994	42672 43659	82866	GRAU F 86130	
GOTTWALD H P J 71574	GOYNES W R 85621	57783 68023	60386	GRAU F V 50032	
GOTZ W 15213 44256	GOZLINSKI H 48110	47588	60387	GRAU H 21846 67638	
64579 95856	GOZMANY L A 95427	57920	88830	87918 91956	
	105967	19315	27008	GRAU J 52082	
GOTZE K 107143	GOZOZ T 18856	37401 19315	34055	GRAU R 7196 86131	
GOTZE W 33849	GRAAF A J A VAN 79664	86150	73915	86132 86133	
GOTZSCHE N D 30903	DER	61207	71354	17411	
GOUCK H K 4761 14062	GRAAF A J VAN DER 20259	30764	78957	GRAUB E 93432	
32673 63464	39465	30003	65393	GRAUMANN H O 48832	
	12790	91335	96822	48834 59338	
GOUDAH M W 7269	GRAAF J DE V 77043	96239	77163	27793 27929	
GOUEFFON Y 13284 41640	GRAAF J VAN DER 60235	44090	99173	GRAUPE B 34497	
GOUERE P 75693	GRAAFF R H M VAN 60235	7466 24360	8473	GRAUSGRUBER W 7197	
GOUET P 12879	DE	102793	78124	107463	
GOUGE H E 13010	GRABAR P 64957	50412	61021	GRAVA J 30064	
GOUGE C W 107545	GRABARCZYK S 28423	23199	97206	GRAVEN E H 19623 20261	
GOUGH P 41266	GRABCEZSKI L 28964	5521 73809	63318	48831 60388	
GOUGH P E 44175		83300	36987	3745	
GOUILLY-FROSSARD 87950	GRABE A V 49193	16103	10451	GRAVERT H O 21730 52369	
GOUILLY-FROSSARD 80900	GRABELL I 32456	15039	100955	8489 55280	
	24011	103112	10451	GRAVES C H 18407 77695	
GOUIN F 26368	GRABENHORST D 21274	94108 94109	90136	GRAVES C N 22014 71942	
GOUIN F J 42865	GRABER E 91625	94110 94241	97965	82009 82010	
GOUJON P 21273	GRABER F 109101 109102	48830 77858	77036	GRAVES C R 59115 64465	
GOULD 15420	GRABER M 13507 82611	94035	8041	88638	
GOULD B S 12600	41836 41993	97835	2742	GRAVES D F 26464	
GOULD C J 99172	GRABER R E 90949	9045	67167	GRAVES H A 49194	
GOULD C M 12844 82157	GRABERT D 53843	53433	45301	GRAVES H C H 25074	
	91955	52392	2030	GRAVES J B 63397	
GOULD C W 35186	GRABIANOWSKA-TRZ-EBICKA B 65392	93653	20260 28641	3549 12603	
GOULD E 6706 65392	GRABITZKI K H 12418	83238	90137	26662	
GOULD F W 37705 57563	GRABKOWSKI J 104576	83246 83247	101452	44527	
GOULD G A 6460	GRABLE A R 27927	39778	101500	57347	
GOULD G E 23198	GRABOIS J 29908	101796	52410	60928	
GOULD G N 30904	GRABOUSKI P 69386	40890	38102	83913	
GOULD H J 63639 63669	GRABOUSKI P H 11624	24483	94254	6494	
	38703 38704 38705	10539	29607	GRAVES R C 6461 24362	
GOULD I A 6382 6493	40085 100374 100783	6189	68813	GRAVES R B 76226	
15738 25028 44358	GRABOVSKII A V 92837	57564 57565	62611	GRAVES R W 103392	
65069 65176 74786	GRABOVSKII B S 94174	88310	28018	GRAVESTEIN W H 53395	
85305 85314 107031	GRABOWSKA B 69838	88311	46143	GRAY A 39194 83729	
	73283	GRAHAM S A T	89462	GRAY A R 32674	
GOULD J L 62064					



GRAY A S		ITEM	50256	GREEN H B		ITEM	73192	GREGG R L		ITEM	6626	GREWELING T		ITEM	51856	GRIFO A P	31191	52553
GRAY A W	15667		54573	GREEN H E			88132	GREGG W A M			41992	GREY C E			82597	82901	103563	104779
GRAY B			67568	GREEN H J	73193		99356				93202	GREY J R			75309	GRIFT J VAN DER		62092
GRAY B S			7271	GREEN H T			9720	GREGGAIN L			62431	GREY L P			105968	GRIGARICK A A		14106
GRAY C			106259	GREEN H V	51344		91768	GREGOIRE J			19316	GREY R M			61980		94723	105182
GRAY D F			3177				103044	GREGOR F			64188	GREY S T			24455	GRIGELOVA R		103711
GRAY D O			48552	GREEN J			69208	GREGOR H F			15584	GREYERZ H V			50606	GRIGG D B		26514
GRAY D P			22380	GREEN J H			41867	GREGOR J W			17591	GREYSON R I			18659	GRIGG F N		55152
GRAY E A			98531	GREEN J O			100956	GREGOR W W			31563	GRIBANOV V N			81765	GRIGG G W		41195
GRAY E G			37230	GREEN J P			15668	GREGORIADES E J			44552	GRIBAUDI D	97720	108017		GRIGG P P		107017
GRAY F M			10752	GREEN J W	88222		90988	GREGORY A S			41128	GRIBOVA S A			17515	GRIGGS R		63398
GRAY G R			103709	GREEN K R	11035		11077	GREGORY D P			23860	GRICE H C			52149	GRIGGS R F	36522	67527
GRAY H E	74241		83260	GREEN L R			30446				73810	GRICIUS A			26937	GRIGGS W H	27473	28856
			94434	GREEN M			98429	GREGORY D W			9397	GRIDER S			107464	49139	52938	63621
			22124	GREEN M C			82475				63266	GRIDGEMAN N T			44043	GRIGNAC P		100796
GRAY H G			107879	GREEN M J	11141		91077	GREGORY G R			10665	GRIDI-PAPP I L			9899	GRIGNANI U	92632	95981
GRAY J A			63103	GREEN M M	23663		64007	GREGORY J			6812				10288			103922
GRAY J D			87420				64008	GREGORY J L			32758	GRIECO D	86134	107718		GRIGOR J K		18634
GRAY J E			13411	GREEN N	4635		23031	GREGORY M E			41914	GRIEGER C			3523	GRIGORAS D		72928
GRAY J R	6550		21484				63436				54655	108962			63267	GRIGORAS M		61560
	30567		87180	GREEN P			76577	GREGORY M S			56411	GRIEM W			102351	GRIGORASH M P		6876
GRAY K L			30644	GREEN P B	47738		78125	GREGORY P	70097		84442	GRIEPPENTROG K			7853	GRIGORE C	61974	61975
GRAY L C	16984		41730	GREEN P D			14013	GREGORY P H			51405	GRIERSON W			44553	GRIGORE S		79771
GRAY L R	7354		54577	GREEN P S	8695		17520				57710	GRIES G A			77703	GRIGORESCU D		31947
	97296		107805		17679	46853	77175	GREGORY P J			45137	GRIESBACH L			31779	GRIGORESCU I		31305
GRAY M			108620				98894	GREGORY P W			71915	GRIESEMER R A			13253		32249	63105
GRAY N			61253	GREEN R E			39648				103784	13254	83046	104195		GRIGORESCU P A		67139
GRAY R			63072	GREEN R J	44091		88724	GREGORY R L			16322	GRIESER A			11919	GRIGOREV		102088
GRAY R A	11033		58633				99885				26115	45178			55684	GRIGOREV D A		29909
			88678	GREEN R M			54499	GREGORY R P F			69172	GRIESSNER I			76138	GRIGOREV G I		2270
GRAY R F			76564	GREEN S			19996	GREGORY W C			47849	GRIEVE G M			104715		11223	101854
GRAY R W	33900		34135	GREEN S E			46144	GREGSON J D			14014	GRIEVE J M	12595	55475		GRIGOREV P M		52185
	64648		75235	GREEN T			101301				94114	GRIF V G	78126	99892		GRIGOREV V P		71186
GRAY T R G			2207	GREEN V E	4797		35755	GREGSON N M			27508	GRIFEO M J			26043	GRIGOREVA A A		70997
GRAY V R	40805		51112		73190	90017	92285	GREGSON R A M			7467	GRIFFETH D			70837	GRIGOREVA S P		73450
GRAY W			64925	GREENALL J M			36988	GREGUSS P	16		9424	GRIFFIN A C			15823	GRIGOREVA V F		56539
GRAY W D	18922		21518	GREENAWAY W T			34874	GREHM M			28378	74256	75096	75152		GRIGOREVA V S		32454
	96208		106543				58422	GREICHUS Y A			82767				107174	GRIGORIU N	3179	3285
GRAY W H	34607		69839	GREENBERG A E			47639	GREIDANUS P			65534	GRIFFIN D G			26922			4381
GRAYBURN A W			12016	GREENBERG B			23664		65592		75236				37850	GRIGORIU V		97155
GRAYDON K R			74290	GREENBERG B F			64644	GREIDER M H			52622	GRIFFIN D H			89117	GRIGOROV I		89828
GRAYLIN J C			75895	GREENBERG E			69157	GREIG A S			22971	GRIFFIN D M			11335	GRIGOROV KH		65091
GRAYSON A J			60935	GREENBERG J			42488	GREIG B J W			356	GRIFFIN E D			34472	GRIGOROV S	50257	102163
GRAYSON A R			4441				73143	GREIG C G			25632	GRIFFIN E L			6958	GRIGOROVA A		108626
GRAYSON J M			52712	GREENBERG S D			103772	GRIFG J K	44104		59867		16171	25743	25744	GRIGORYAN D G		12606
			83510	GREENBERY C M			104028	GRIG J R			109072		35160	55365	65761	GRIGORYAN G K		11511
GRAZI F	13980		27684	GREENE C H	45286		55774	GREIG M			1846	GRIFFIN F P			71495	GRIGORYAN G M		22169
			27685	GREENE H			11165	GREIG T			1846				71495	GRIGORYANTS N N		15385
GRAZIANI R	56985		65205	GREENE H C	8440		88514	GREIG W S	7135		24518	GRIFFIN G			65625			84919
			72037	GREENE J C			98382	GREIG-SMITH P			78018	GRIFFIN G D			37503	GRIGSBY D B		39196
GRAZIOSI D			67644	GREENE J T			102651	GREIL D	43848		54034		47571	77962		GRILICHES Z		7769
GRAZYS J			2530	GREENE M			92440	GREINER G	43440		66778	GRIFFIN G F			80312	GRILL F		80025
GREAR J W			27546	GREENE P H			101147	GREKHOF A			93579			91083		GRILLAT G		107277
GREATHEAD A			68270	GREENE R E L			45900	GREKHOF G F			60865	GRIFFIN G J			34756	GRILLENZONI M		25170
GREATHEAD A S			85774		45901		65481	GRELA T			68318			100237		GRILLET J G		56683
GREATHEAD M M			31304	GREENE S E			98142	GRELA T B			99588	GRIFFIN H D			99358	GRILLI M	18924	36820
			34379	GREENFIELD J			65998	GRELEN H E			73076	GRIFFIN I			25302		58252	89118
GREAVES J H			97208	GREENFIELD J R			74939	GRELL E H			14620	GRIFFIN J G			5904	GRILLO TORRADO J		62821
GREAVES M P			29540				96586	GRELL R F	83943		105718			54050	84663	M		62908
GREB B W	39917		60340	GREENFIELD S F			2039	GRELLIER P	84861		85765	GRIFFIN J R			58251	GRILLO-TORRADO C		22421
			80469	GREENHALGH J F D			41233	GREMAK T I			82307		68369	98895		E D B D		
GREBELSKII S G			94113	GREENHALGH W J			1767	GREMEN J	27135		77700	GRIFFIN R			53751	GRIMALDI E		79135
GREBEN L K	22876		82743	GREENHALL A H			14000		77701		99357	GRIFFIN R E			64466	GRIMALDI E		12651
GREBENNIKOV E P			54498	GREENHALL A M			3320	GREMINGER W			77164	GRIFFIN R H			2405	GRIMANELLI M P		27212
			97083	GREENHAM C G			11036	GRENADA			17150			40285		GRIMAUD A		84297
GREBENNIKOVA L A			76338	GREENHAM D W P			80311	GRENAGER B	88990		99029	GRIFFIN S A			22908	GRIMBERG M	16290	107912
GREBENSCHIKOV D S			551	GREENHAM L W			41437	GRENESTEDT L			108368			93770		GRIMBERGEN A H M		13791
				GREENHILL W E			64497	GRENIER F			26608	GRIFFIN T			54814	GRIME J P	37566	37567
GREBENYUK R V			5248	GREENHILL W L			61640	GRENIER P	43065		64009	GRIFFIN W J			28308			91574
	14050	14073	14440				91842	GRENIUK W			53							



	ITEM		ITEM		ITEM		ITEM		ITEM	
GRINOVERO C	70725	GROMISZ M	63749	105430	GROTEGUT L	73363	GRUNDA B	21203	GUARINO A J	78958
GRINSCHTEIN Z B	78615			105431	GROTH H J	106266	GRUNDBACHER F J	994	GUARRERA S A	26923
GRINVER I	37703	GROMMECK R		44599	GROTHE	92177	GRUNDBOECK M	3181	GUARTEY J A K	75214
GRIPENBERG H	11920	GROMOV A		49197	GROTT J J	57439		51513	GUATTROCHI L P	94117
GRIPENBERG N B	71483	GROMOV A M		13430	GROTTUZZ F	86461	GRUNDER H D	3581	GUBA A	23053
GRIPP P	36213	GRONOV V P		13011	GROTTY R	98667	GRUNDFEST H	43331	GUBA E F	18131
49196 54008	59703	GRONYKO E P		29539	GROU E	14107	GRUNOL	92860		88517
	79571	GROMYKO I D		11401	GROUET D	47260	GRUNDLER I G	56575	GUBA I A	50714
GRIPP R H	90329		49864	70435	GROULADE J	13255	GRUNDLER J	56576	GUBAUDULIN N A	63106
GRISEBACH H	10197	GRON A B	40497	71021	GROULEZ P	62503	GRUNDON M F	48534	GUBALKE W	85353
	58999	GRON L B		84726	GROULEZ J	50859	GRUNDSCHOBBER F	7468	GUBANOV E F	66131
GRISHAM J W	71756	GRONBLAD R	77454	98582	GROULT P	94682	GRUNEBERG F	11512	GUBANOV G YA	38103
GRISHCHENKO N F	13558	GRONDOARD A		78019	GROUPE D	16105		70639		68139
GRISHIN E A	108689	GRONDONA L S C		84962	GROUPE V	21808	GRUNEBERG H	91957	GUBANOV I A	10199
GRISHIN I S	30004	GRONEK W		63750	GROUT A R	84303	GRUNER W	98629		88313
GRISHINA V V	2360	GRONEVIG K		70672	GROUT R A	25784	GRUNERT C	69530	GUBANSKI M	27297
GRISOY P	32600	GRONIOV B V		68800	GROUT R A	4946	GRUNERT E	62233	GUBAREV V	24104
GRISSOM D B	58399	GRONSETH G O		21375		94523	62369 62417	92441	GUBBELS G H	28772
GRISSOM E E	41713	GRONTVED P		17516	GROV A	49706	GRUNES D L	18858	GUBBIOTTI A	52134
	92633	GRONTVED P F H		27483	GROVE C C	16106		69006		
GRISSOM P H	69474	GROOM C G		86965	GROVE D	4190	GRUNEWALD G	10289	GUBICZA A	105482
	70098	GROOT A J DE		29608	GROVEN I	36577	GRUNEWALD T	86996	GURIN E P	105490
GRISTIA P J	76600	GROOT C		88312	GROVER B L	39089		55158	GUCH F A	75947
GRISZECKI S	12765	GROOT C R		57438		2531		13613	GUDAUSKAS R T	32319
GRITSAENKO Z M	79800	GROOT E H		67545		39743	GRUNIAUX M	72616		68129
	26270	GROOT H DE	12881	17042	GROVER D C	100136		17072	GUDEC I	30054
GRITSSENKO E M	61116		22067	60605	GROVER E S	13337	GRUNICK	98143	GUERIAN G	89470
GRITSSENKO I F	70405	GROOT-POLMAN H DE		35007	GROVER P	49900	GRUNICK E	98143	GUDEX M C	57511
GRITSSENKO N M	28422	GROOTE G DE		22536	GROVER R	95029	GRUNIG J E	22295	GUDIM A	21408
GRITSSENKO T G	38828	22698 45215		82556		15221	25633	51970	GUDIM A	21460
	96587	GROOTE J M DE		15616	GROVER R K	37232	GRUNIG P	11955	41159 81000	102915
GRITSIK A K	93838	GROUTERS G		75814	GROVERMAN F A	47261	GRUNIN K YA	73633	GUDIMOVICH M A	48720
GRIVANOV K	77534	GROPPELLI F		73998	GROVERMAN F A	68801	GRUNIN T	59807	GUDNASON A	39962
GRIVE J	100227		106681	22694	GROVER R M	24228	GRUNOW J	1344	GUDZENKO A A	8353
GRIZODOV N I	26270	GROS A		59184	GROVERMAN F A	62392	GRUNSELL C S	12844	GUDZIAK A	69875
GRIZZELL W G	6835	GROS W		13392	GROVES H F	62504		41876	GUEDS A S	23159
GRJEBINE A	64009	GROSBOIS M		65439	GROVES J W	88516	GRUNTH P	36452	GUEDS M	47730
GRMAN V	32935	GROSCHER D		30906	GROVES M	92715	GRUNWALD J	66616	GUEDS O J	60389
GRMOVSEK P	104426	GROSCHNER P		55153	GROVES M L	24817	GRUNZEL H	88725	GUEDZ A H	79802
GRNCAREVIC M	96885	GROSCHNER P		55153	GROVES N H	6668	GRUPE D	25634	GUEDZ-ACEVEDO H	90638
GRNCAREVIC M V	85736	GROSCLAUDE C		57922	GRUVES T D D	13893	GRUPE H	26766	GUEGUEN L	3468
GRUB E C	10181	57923		77704	GROVES T H	51511	GRUSHETSKIY L	74471		103551
GROB R	38552	GROSCLAUDE F		71916	GROW H E	8230	GRUSHVOI S E	68138	GUERLER P F	100609
GROB W	61768	GROSE R J		40636	GROW O	41890	GRUSHIN S V	56412	GUENEAU P	51133
GROB W	61768	GROSENBAUGH L R		60981		95982	GRUSHVITSKII I	18926	GUENGERICH H W	99591
GROBBELAAR N	68795		71095	82603	GROZA I	91869	GRUSZECKA H	7469	GUENIN N	33496
GROBBELAAR W P	9779	GROSHEVA G A		82603	GROZA P	103639		55857	GUENNEL G K	57440
GROBE A	44458	GROSHONG M E		91025	GROZA S A	40331	GRUSZECKI S	25803	GUENNELON G	94285
GROBER R K	27136	GROSKOPP M D		80508	GROZDANOVIC J	73557	35138 54165	55472	GUENNELON R	40359
GROBES M L	24819	GROSKREUTZ K A		3057	GROZDOV B V	88991		16163	GUENTHER E	7272
GROBLER B	36096		87421	87421	GROZEV D	101054	GRUT M	60834	16291	55602
GROBLEWSKA S	3580	GROSSMANE P		22485	GRUB W	15294		80797	GUENTHER W B	101705
	21986	GROSS A E	47123	77111	GRUBB P E	26173	GRUTER H	58637	GUENTHNER E	4065
GRBOV O F	73438	GROSS A T H		27931	GRUBB P J	68370	GRUTER J	7854	GUENZEL R C	46290
	94116	GROSS C F		99809	GRUBB R E	26174	GRUTTE E	20262	GUENZI W D	20485
	4379	GROSS D		76982	GRUBB W L	15222	GRUTTNER F	35095	GUEORGUEV V B	94869
GRBUNOVA Z I	22473	GROSS D E		17151	GRUBE W E	48515	GRUTZ O	67597		94870
GROCH L	12665	GROSS D K		72483	GRUBEL	51279	GRUZDEV A D	78128	GUERALT A M	74697
GROCHOWSKA M J	58634	GROSS F	3058	41217	GRUBENMANN A	23431	GRUZDEV G I	28794	85204 96347	106870
GROCHOWSKI J	45565		72781	109104	GRUER C	24820	GRUZDEVA G N	59185	GUERCIO V	31447
	71094	GROSS F J		109104	GRUER G	107080	GRY J	83301	GUERICKE H	4265
GROCHOWSKI L	45902	GROSS G F		14736	GRUER H	75975	GRY M	52932	GUERILLON-VINET A	21759
	86994	GROSS H D		79263	GRUER H A	34999	GRYAZEV V A	59560	GUERIN B	59079
GRODER R H	25396	GROSS H L		18170	GRUBER J	105561		94370	GUERIN C	8444
GRODHAUS G	23140	GROSS J	16200	93059	GRUBER R J	54299	GRYCHOWSKI F	21668		12965
GROEBEN H VON DER	98275	GROSS J A	10280	99893	GRUBERSKA M	87255	GRYCH S	22929	GUERIN H P	58253
GRONEN J J	36315	GROSS P R		37631		108627	GRYLLS N E	48881	GUERIN J C	30208
GRONDIJK T	106421	GROSS R		107566	GRUBIC K	50455	GRYML F	62444	GUERINEAU C M	79392
GRONENWALD J W	91843	GROSS V		25482	GRUBOV V I	57566	GRYNBERG H	86282	GUERLESQUIN M	37686
	103550	GROSS W B		22618	GRUDEV D	25901	GRYS S	62225	GUERN J	18927
GROENEWEGEN J H	1941	GROSS W S		19997	GRUDEV D I	55489		62235		78501
	10922 38938	GROSSBARD E		36631	GRUDZINSKAYA I A	57492	GRYSIAK J	76664	GUERN M	89119
58635 58636	59462	GROSSE		109105		78127	84298 97721	98208	GUERN N	68802
59463 68796	68797	GROSSE B		40330	GRUDZINSKI S	80962	GRYUNER A M	69742	GUERNSEY C W	90978
68798 68799	80562	GROSSE F		13821	GRUEBELE D	101504	GRYUNER S A	88726	GUERNSEY R L	70948
96044 96045	96071	GROSSE H		48699	GRUEN F H	6627		88029	GUEROUT R	105276
106479 106480		GROSSE M		79885	15585 24958	56059	GRZECZYNSKI T	12442		105323
GROENHOLT J K	79286	GROSSE-BOES J		74242		65243		41077	GUERRA A	20656
GROENING R	87396	GROSSE-BRAUCKMANN		46719	GRUEN H E	18925	GRZEDZIELSKI J	64590	GUERRA A A	42981
GROENWEGEN J H	64645	G		57439	GRUENHAGEN R H	90383		64591	GUERRA E G	58806
GROFF D	18716	GROSSE-GRAUCKMANN		39990	GRUENING E H	66615	GRZESIAK K	75510	GUERRA E G A	66912
GROFF D W	37884	E			GRUER N	32675		48675		76512
GROFFMANN H	87181	GROSSE-RUYKEN H		83197		32708	GRZESKOWIAK C	30765	GUERRA M	47309
GROFOVA I	103986	GROSSER K H		57485	GRUEV P	54656	GRZESZCZAK-SWIET-LIKOWSKA	32356	GUERRA R M	71832
GRUGAN C O	1298	GROSSET G E		57281	GRUFFYDD J S B	39198	GRZESZKIEWICZ H	27925	GUERRA S W	91449
39048 38540	89108	GROSSFELD J		84796	GRUGEDON C	60929		89534	GUERRANT N B	27484
GRUGAN O	59183	GROSSGEBAUER K		52282	GRUHL K	105719	GRZYBCZAK J	58122		31707
GRUGAN R G	18304	GROSSHANS H		3059	GRUHLKE K	49018	GRZYCKA K	48440	GUERREIRO A D	16536
37439 58065	77879	GROSSI P		26643	GRUHN K	13774	GRZYMALA J	28642		66339
GRUGER D	1326	GROSSIN F		27809	41668 61645	93088	GSCHEIND S	38085	GUERREIRO M G	91940
28321 48556	89829	GROSSKLAUS D		3180		93771	GSELL D	67406		93839
89830 89831	89957	51860 74766		81766	GRUHN R	22878	GUADAGNI D G	33993	GUERRERO L	4708
GROGORESCU C	26540	GROSSKOPF J F W		31451	GRUIA L	8811		54214	GUERRET M	13627
GRCH A W	86839			103226	GRUICI C	86995	GUADALUPE-ESCAMI-LLAS J	23297	GUERRINI A	85389
GRCH G J	25198	GROSSKREUTZ J C		35025	GRUIJC INJAC B	14268		105274	GUESDON J	82273
GRCH W	49040			55436	GRUIJC S A	64231	GUALGLIUMI P	37068	GUESLIN M	52419
GRDHOLT L	98896	GROSSMAN P U A		41158	GRUM L	100654	GUALACCINI F	99590	GUEST E T	51250
GRHGS G	24766			71576	GRUMBLES L C	63924		105275	GUEST R W	24070
GRHOIT H I	33708	GROSSMAN R B		39634	GRUMBLES S L C	82612	GUALBA C	31478	62460 64477	84495
GROKHOVSKAYA I M	5109	GROSSMANN B		100168	GRUMBLEY L A S	91973	GUALLINI L	31388		84496
GROLIG A	71861	GROSSMANN F		28322	GRUMM-GRZHIMAILO A G	79906		31478	GUETTINGER D S	2361
GROLL E	33062			77705		8580	GUALTIERI M	30908	GUEVARA M H DE	67088
GROLLE R	17833	GROSSMANN H		21140		57713		93322	GUEVARA-CALDERON J	46669
36948 46948	57680			102424	GRUMANN V J	91844	GUANTES M M	2050		
67900 88441	99010	GROSSMANN N		101102	GRUMMER	91844		10486	GUEVARA-POZO D	31721
	99029	GROSSO A M	22245	22735	GRUMMITT W E	101403	GUARAGNA R N	41479	31915	99689
GROM A	23975			61769		65701		41484	GUEVIN V H	3836
GROM S	77440	GROSSO E	64750	65053	GRUN J	82554	GUARD A T	37722	GUEZENEC J	97109
GROMADZKI J	61405			65054	GRUN L	55991	GUARDA F	41588	GUG M	21849
	71454	GROSSEVOR C E		4009	GRUN P	99894	72484 72617	72618	GUGGENHEIM K	33219
GROMAKOVSKII K F	17971	GRUNBERG A		94369		94369		103640		105787
89469 101952		GRUNBERG W		52794		52794	GUARDIA M L	67140	GUGGER R	72740
GROMAN N B	13151	GRUNBERG W		68132	GRUNBERG W	68132	GUARDIOLA-ROTGGER A	87422	GUGGISBERG C W A	13842
GROMET-ELHANAN Z	48115	GROTH H		108181		108181			GUGIN A	108920
GROMEYER E	60604	GROTE R	12766	15694	GRUND S	15149	GUARINI G	30909	GUGINO J	10754



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
GUGLANI P L 47749	GUKOVA M M--CONT 68803	GUNTHER F A--CONT 44045	GURNEY E L 39753	GUTIERREZ-ESCOBAR 26644	ITEM
GUGLER H D 53333	69209 70358 70542	55078 85318	80078 90893	J 86395	
GUGLIELMINETTI R 105969	GUKOVA M N 48116	GUNTHER G 30319	GURNEY G M 58422	GUTIERREZ-GONZAL- 55606	
GUHA A C 56931	GUL A 38345	GUNTHER H 52275	GUROV M 16511	EZ-QUIJAN 98356	
GUHA B C 10165	GUL V 97138	GUNTHER K K 73860	GUROV E I 13546	GUTIERREZ-MENDIO- 3186	
GUHA D 78761	GULATI A S 85719	95569	82645	LA R 45287	
	GULATI R L 3582	GUNTHER M 17214	26044	GUTIERREZ-OROPEZA 3186	
GUHA K C 106915	GULBRANDSEN D 76139	GUNZEL G 9780	101651	G	
GUHA S 27974	GULDEN J I VAN 62647		87847	GUTIERREZ-ROLDAN 45287	
GUHA S R D 21584	DER 30884	GUNZEL W 43762	11037	E	
34553 45383	GULDEN W J I 62650	GUOTH GY E 17359	91433	GUTINA V N 20482	
51251 61456	GULDEN W J I VAN 62650	GUPPY J C 14737	64544	GUTKNECHT J 75098	
	DER 102964	GUPTA A B S 15824	57485	GUTMAN G O 6629	
GUHA-ROY A R 78959	GULDENPFENNIG R 7288	107144	4566	GUTMAN L 34978	
GUHL A M 3322		58152	41668	GUTMANN E 64262	
GUI G 11266	GULDNER R 26062	44493	92443	GUTNICK D L 35216	
GUI-MARAES D 78095	GULETTE L O 73297	4890	66782	54109	
GUICHARD J 72189	GULHATI N D 102165	105634	97966	GUTOWSKI B 67584	
GUICHARD X 88053	GULICH A R 97298	6284	93233	GUTOWSKI S 82857	
GUICHARDON B 70343	GULII V V 63700	96293	64544	GUTSALYUK E A 11720	
GUICHONNET P 108018	GULIN V 64714	95190	98	GUTSCHICK V 30375	
GUIDE R G 12372	GULINSKY E 55604	45138	48781	40605	
GUIDETTI L M 86463	GULISASHVILI 109164	45139	79238	GUTSCHMIDT J 107993	
GUIDI V 45364	GULISASHVILI B G 103008	2991	39963	GUTSELL R J 39468	
GUIDICI G 4116	GULISASHVILI V Z 109164	14974	90639	GUTSEVICH A V 83151	
GUIDONI M C 72190	GULKANIAN V W 89473	62823	75282	GUTSEVICH S A 9050	
GUDORZI C 58638	GULKO L 36364	92726	1553	GUTTE J O 3446 32477	
GUDRY A J 62019	GULKO L E 62082	13636	18553 19584	61908 63287	
GUGLIA D 23788	GULLI R 35216	71917	38104	GUTTENTAG S 17130	
33315 43204	GULLIFORD J H 22703	92232	20651	GUTTER H 85454	
GUIGNARD E 4858	93433	62953	78505	GUTTER Y 57924	
GUIGNARD J L 632	GULLION G W 67784	61946	32320	GUTTIS E 633 99896	
	GULLIVER P H 56734	62093	102575	99897	
GUILBERT H 74698	GULOWSEN K 102878	105878	11250	GUTTIS S 633 99896	
GUILBERT H R 71915	GULOWSEN K T 21436	59000	18553	99897	
GUILBOT A 24644	61340	514	1278	GUTTFELD M 44253	
55281 64751	GULUBOV S 72642	19680	80634	GUTTMAN H N 32999	
84998 85929	GULYAEV B I 68804	20790	82013	GUTTMAN Y R 31565	
GUILBRIDE P D L 22815	GULYAEV V A 89120	100861	13614	GUTTRIDGE C G 9781	
31306	GULYAEV V N 6877	43991	80313	18928 58640	
	GULYAKIN I V 11513	47262	8581	GUTULESCU I 96886	
GUILE C T 74496	48118 48119 70358	100575	39342	GUTWEIN N 44398	
GUILFOY R F 13507	GULYAS B 24519	101797	72782	GUTWINSKI H 32358	
GUILHON J 41602 41765	GULYAS M SZ 94118	99895	102165	84391	
41837 41993	GULYAS MRS J 86997	42593	60299	GUTWIRTH J 108656	
	GUMINSAK Z 39199	33392	94286	GUTZEVICH A V 83944	
	GUMINSKA B 17890	53479	69210	GUVEN M N 31673	
			57785	GUVENC H 105183	
GUILL J H 44044	GUMINSKA Z 996 89474	42923	92444	GUY E M 80027	
GUILLEARD 64301	GUMINSKI S 996	2147	103160	GUY G L 17517	
GUILLEARD R R L 19008	GUMMESSON G 70099	39708	50527	GUY J A D 9255	
GULLAUME A 46794	GUNAR I I 78504	106102	101652	GUY P 89259	
GULLAUME J 62732	GUNARD Y 80042	99361	93840	GUY R 88594	
GULLAUMET J L 77323	GUNCKEL LUER H 98897	103227	2792	GUY Y 63399	
GULLAUMIN A 8767	GUNCKEL-LUER H 99360	5188	61064	GUYENOT E 36436	
88223 88314	7274	9049	6551	GUYER G 105242	
GULLAUMIN M 53478	55603	27137	39964	GUYER G E 42576 42607	
GULLAUMIN R 7274	89471	91740	85837	52883 94287 105090	
35162	76601	1658	104865	GUYER H 79287	
GUILLEMAT J 76601	77059	41603	88807	GUYMON J F 24711 96271	
GUILLEMOT J 21759	22620	21538	85949	GUYON D 78651	
GUILLET E C 22953	42383	71461	9572	GUYON G 50258	
GUILLEUX M C 44176	52714 59859	91745	78279	GUYON P 44935	
	83302	78961	76999	GUYOT A L 57715 67704	
GUILLOT J C 91973	64826	56414	2104	GUYOT G 21357	
GUILLOT L P 55154	6029	39649	77706	GUYOT L 47265 47266	
GUILLOT M M 28857	43932 64889 84797	101767	77707 79665	77708	
GUILLOT-CARRATALA J 44176	63530	50299	73364	GUYOT M 634 83615	
	16872	93772	101681	83616 99898	
GUILLOU R 16024	6057	108057	76467	GUZ T 49911	
75310	86129	76485	22392	GUZE L B 52438	
GUIMARAES J B P 42260	100950	100797	63751	GUZEEV G F 32836	
GUIMARAES M L 75692	30957	95628	63752	GUZEWSKA I 55155	
GUIMARAES M M 71876	1091	53324	41801	GUZHOVA E P 38554	
GUIMARAES P 85205	9295	53325	5396	GUZHOVA N V 100417	
	74634	5266	103715	GUZMAN G M 20383	
GUIMBERTEAU G 96313	101720 103713	43066	98114	GUZMAN J P 24520	
74636	43159	6058	10954	GUZMAN M A 22592	
GUINAUDEAU J 40604	84573	29051	6023	GUZMAN M E 69969	
	61117	80026	6552 13012	GUZMAN M M DE 81268	
GUINDI M M EL 55284	86263	80069	32601 34695	GUZMAN M P DE 64872	
GUINEA E 88321	52071 92812	85720	42595 54974	GUZMAN R M 16423	
GUINEA LOPEZ E 57512	92813 104070	23812	69201 70286	GUZMAN V L 58531 58641	
GUINEE P A M 6022	39500	64168	80102 85391	107311	
21771 21877	98158	22340	8014	GUZSAL E 104349	
30910 61788	91175	17	91336	GUZUN N I 49117	
	42151	6628	7269	GVALADZE G E 9428	
GUINET A 68464	85591	34589	33994	GVOZDENKO T M 9939	
GUINET P 107465	94463		32357		
GUINET R 552	36437	GUPTON O W 36821	35764	GVOZDEVA Z V 39469	
GUINIER E 50715	26900	42184	31178	GVOZDYAK R I 58039	
995	65189	24649	31179	GVRITISHVILI V A 105278	
	2650	45320	106079	GWAN Y C 100238	
GUINN G 89472	21766	66207	47263	GWARDYS S 64935	
	75097	89475	47264	GWATKIN R B L 62785	
GUINN V P 106566	85354	32759	34324	GWILLIM G 25660	
GUINNESS 15420	50569	GURBUCHEV I 77535	85281	GWINNER M W 81248	
GUINOCHE M 17680	70100	103714	4817	GWOZDZ T 87423	
18552	25397	62094	34552	GWYN H M 73077	
	89121	102901	25172	GWYNN G R 10229	
GUIRE K E 2755	67568	63925	107145	GWYNN M D 5033	
GUIRGU V 8441	7233	78962	32741	GYARMATHY G 84529	
GUISE C H 16558	45104	91078	77896	GYARMATI B 81380	
GUISE J W B 85155	55605	101798	22250	GYGAS T 92771	
GUISO M 30976	64064	10047	24070 41604	GYLES N R 41891	
GUITHER H D 56413	73692	24215	46001	GYLLENBERG H 15638	
45495	37234	45790	1088	GYLLENBERG H G 96411	
GUITIAN OJEA F 20382	50106	51514	23109	GYLLENSVAARD N 95191	
	46573	28654	103228	GYLSTORFF I 72619	
GUITTON B 45789	9427	59953	63494	GYLSTORFF J 93234	
GUITTON J 49589	101403	23923	42023	GYLSTORFF J 4163	
GUITTONNEAU G 77339	86092	67547	86840	GYOLLAI J 87137	
GUK M M 66781	6112	73639		GYONGYOSSY G 18929	
GUKASYAN A B 14269					
63699					
GUKOVA M M 11513					

GYORFFY B	100798	100799	HABERMAN H	42982	HAENDLER H	15780	93081	HAGHIRI F	39710	HAJDU S	62239
		101515	HABERMANN E	53063	HAENDSCHKE A		74021	HAGIHARA H H	11221	HAJDUK J	98745
GYORFFY L		104350	HABERMANN H M	89477	HAENEL H	22621	55283	HAGIMA M	66340	HAJDUKOVIC M	100240
GYURFI J		88561	HABERMANN R T	3822		57260	108917	HAGIMOTO H	27932	HAJEK E R	71848
GYORGY B		25932	HABERMEHL K H	92716	HAENLEIN G F W		12882		38110	HAJEK G E R	31049
GYORGY E		45461	HABIB A	63546	HAENNI E O	24369	24379	HAGIN J	11514	HAJEN B	81110
GYORGY MRS K		88868		63547	HAENSEL H D		37906		39711	HAJKOVA-HLISNIKO-	14622
GYORGY P	36329	55659	HABIBULLAH	24925	HAERTL E J		2651	HAGIN R D	49733	HAJKA Z	38555
GYORGY F	57089	57133	HABOVSTIAK J	43710	HAESSELBARTH E		106123	HAGINIWA J	35163	HAJNY G J	72166
GYORKOS H		5337	HABRAN R	59621	HAESSELER C W		39037	HAGINO T	30470	HAJSIG M	68171
GYURVARI I		46372	HABU A	63926	HAESSELER G		84920	HAGINUMA S	38594	HAK P S	15152
GYRISCO G G		14109		84084	HAEUSSLER G J		32602		75317	HAKANSSON A	2532
42595	53280	85391	HABU T	106577	HAFAEEZ M A		97954	HAGIWARA J	35886		70820
		76602	HACCIUS B	27509	HAFEN L		10936	HAGIWARA K	93330	HAKANSSON B	96921
CYSEL A		89429	HACCOU J F	74383	HAFENRICHTER A L		90139	HAGIWARA T	100051	HAKANSSON H	54574
GYURJAN I	89428	19758	HACHINCHE Y	83617	HAFFERMANN W		81461	HAGIYA K	28965		85355
GYURO F		39518	HACHISUKA T	81430	HAFFERS J R S		56987	HAGIYAMA H	97836	HAKANSSON I	29438
GYUROV G	29517	33910	HACHLER P	50716	HAFAEZ E S E		3182	HAGLER T B	2178		90801
GYUROV S	29038	38105	HACHMANN W	55282		3321	4296	HAGLUND B	81269	HAKANSSON S	11038
		39709	HACK A	65068		32141	41605	HAGLUND G E	17681	69397	101505
GYUROVA M S		39355	HACK J	49318		42112	51857	HAGLUND H	61470	HAKEKELER N	17834
GYURU F		92178	HACKBARTH H J	96104				HAGLUND P	21624		67901
GYUSHENKOVA N I		10450	HACKBARTH J	27689	HAFEZ M	63977	64253		71504	HAKEN D	11515
GZHITSKII S Z		82058	HACK E F	85838				HAGMANN L E	94023	HAKEN J W	34101
			HACKENBERG U	54302	HAFEZ M K		56084		94119		106649
				84999	HAFEZ M M		31674	HAGNER M	30313		106650
			HACKENG W H L	89786	HAFF R F		51515		71241	HAKHUTSRISHVILI I	57716
			HACKENSCHMIED W	54466	HAFFERT W		16352	HAGNER O A	91575		
			HACKER A	98244	HAFFTER A C		85000	HAGNO H	33672	HAKKAART F A	27299
			HACKER C	32899	HAFAIDH R		5049	HAGOOD M A	70726		27300
HAACK A		70359	HACKETT C	99763	HAFAZ A	20791	38661	HAGOOD M J	57245		27301
HAACK P M	30249	30250	HACKETT D P	1315			77166	HAGOOD M J	84045		27302
		60982		1419	HAFAZ I A		33244	HAGOOD M J	30489		27303
HAAG H M		25397	HACKETT W P	48121	HAFAZ I A	17361	51059	HAGSTROM B	98524	HAKKARAINEN A E	40891
HAAG H P	39965	61079		75617	HAFAZ I A	91655	98535	HAGUE N G M	494		71022
HAAG J	93841	93854	HACKLANDER D	107654	HAFAZ I A	55607	65999		23666	HAKKARAINEN O	21447
HAAG-BERRURIER M		69532		55608	HAFAZ I A	55607	92456	HAGUE S A	27335	HAKKILA P	21446
HAAGE P		88981	HACKLER L R	55681	HAFAZ I A	55607	78506	HAGYARD C J	45021	HAKMAN V	67304
HAAGE W		67828		34554	HAFAZ I A	55607	61976	HAGYARD C J	45021	HAKOO M L	99
HAAGV V		101653	HACKMAN B	55681	HAFNER H		61976	HAHLBROCK D	7140	HAKSAR C N	26011
HAAIJER B M		70731	HACKMAN W	43067	HAFNER K		63020	HAHN A	55340	HAKULINEN K	66618
HAAKH U		92956		95030	HAFNER K		72192	HAHN A W	103987	HALA K	63271
HAAN A M DE		80007	HACKMANN G	61023	HAFNER K		82059	HAHN B	19999	HALA K	50034
HAAN H DE		794	HACKSKAYLO E	103923	HAFSTEN U		57441	HAHN D	106836	HALAK S	76054
HAAN J H DE		97722		28248	HAFTER R		45014	HAHN E	53885	HALAMA A K	32385
HAAN W DE		13257	HACKSKAYLO J	103009	HAG A M		96351		94288	HALAMEK C	86215
HAAN W G DE		66913		28248	HAGA K		79169	HAHN F	24521	HALANG H	56175
HAANTJENS H A		8015	HADA W	55858	HAGA M		96351	HAHN G L	84665	HALASI R	29277
HAAR C M	108597	108598	HADAC E	58643	HAGA M		27087	HAHN H	92179	HALASKOVA V	63869
HAARANEN S		3451		27402	HAGAN A R		66783	HAHN J	3338	HALASZ E	37236
HAARBERG J O		76966	HADANI A	4712	HAGAN F		71919		3385	HALASZ R VON	21531
HAARDT E		30792		63505	HAGAN R	38107	60611	HAHN K	15289	HALASZ-HALMI M	88992
HAARDT W E	31814	72579	HADARAG E	103802	HAGAN S N		75694	HAHN L	57048	HALAUCESCU C	72021
HAAREN A J H VAN		70199		21978	HAGAN W		27469	HAHN O		HALBERG F	53545
HAARER A E	60030	79886	HADASOVA Z	22049	HAGAN W		47859	HAHN R	76140	HALBERTSMA S J	73309
		101607	HADAWAY A B	997	HAGARAWY I S		24921	HAHN W	73877	HALBIG H	11921
HAARRING R J		89476		4713	HAGBERG A	1487	59187	HAHNEFELD E	12608	HALBROOK W A	108555
HAARTMAN L VON		23861	HADDEN R L	73144		78237	100737	HAHNEFELD H	12608	HALBWACHS G	9785
HAARTSEN P I		5905	HADDERS G	75767	HAGBERG E		50565	HAHNEL K	89456	HALDEMAN A	34555
	43755	84664	HADDINGTON P W	102652	HAGBERTH N O		63561	HAHNEL W	90919	HALDEMAN S S	83729
HAAS F C		95983	HADDOCK D	42766	HAGBORG W A F		77897	HAHNERT R	86958	HALDEN W	54110
HAAS H	12373	61425	HADDOCK J	37166	HAGE I P	48652	59110	HAIBA M H	41766	HALDER C	1942
		33340		44562	HAGE K	26541	46146		62238	HALE D	61024
HAAS H J	2134	80056	HADDOCK D J	57067	HAGEDORN D J		9877	HAIDAMAKA T V	82714	HALE E B	3322
HAAS I		8231		553					4570	HALE E E	49005
HAAS J A		102271	HADDOCK J L	99174		47441	48221	HAIDAR W	4571	HALE F	44999
HAAS J T		35039		18930		77709	99334	HAIDER G	7591	HALE J D	21711
HAAS P G DE		49111	HADER H	100239	HAGEDORN H		9430	HAIDER K	100025	HALE J H	4714
		106306	HADFIELD M	75635				HAIDER K	2144		
HAAS R		56807		57568	HAGEDORN H	9430	60199	HAIG D A	42298	HALE M	4032
HAAS R H	90640	90674	HADFIELD W	39601			68465	HAIGER A	93807	HALE M E	92986
HAAS W		96674	HADFIELD W V	108403	HAGEM K		76403	HAIGH A L	30911		93082
HAASE	5948	33835	HADIDY T T	2223	HAGEMAN E C		44285	HAIGH J C	59809	HALE O D	36989
HAASE F C		8500	HADJIEVA P	2223	HAGEMAN R H		18809	HAIGH S	42212	HALE O M	37034
HAASE G	20514	41668	HADLAND G	44284			89832	HAIGH W G	27510	HALE P	42247
		49865		44284	HAGEMANN D		76603		100610	HALE R A	104919
HAASE H	15150	15151		44284	HAGEMANN G		77167	HAIGE U	15094	HALE R L	45134
		43402	HADLE F B	27046	HAGEMANN J		66049	HAIKALA E	66617	HALE R W	21539
	43507	43565		44284	HAGEMANN R	37663	58401	HAIKINA B M	91563	HALE S L	32794
	43567	43568	HADLER N M	85282	HAGEMANN W	37688	58256		82358	HALE S R	4460
	46505	50033	HADLEY E B	85285			21339	HAILE P H W	43441	HALE T W	85108
	53815	63466	HADLEY G	85288	HAGEN A		104172			HALE V Q	998
	74080	79288	HADLEY N S	85288	HAGEN E O		98534	HAIN K	64339	HALE W G	5616
	94480	95809	HADLOK R	85288	HAGEN G		78370	HAIN W	97837	HALE W M	62102
HAASE N		106444	HADNAGY A	85288	HAGEN G L		88020	HAINAUT J	52766	HALE W H	22069
HAASEMANN W		67075	HADNOK R	85288	HAGEN H A		104172	HAINE E	95192	HALE W H	82119
HAASIS A		61582	HADNAGY A	85288	HAGEN J M		105721	HAINE K E	49319		82122
HAASIS F A	327	67968	HADORN E	85288	HAGEN K S	52345	82709	HAINES B L	28078		82789
	36993	59714		83945	HAGEN K W		76028	HAINES B M	25966	HALEN P	42299
HAASMAN S		5911	HADORN H	73365	HAGEN L	13822	13823	HAINES C W	13413	HALES A W	45844
HAASTERT H		91079	HADORN H	87542	HAGEN O		36941	HAINES C	23862	HALES J T	29708
HAAVISTO S		41091	HADWIGER D	98246	HAGENA D J		38108	HAINES C E	35755	HALES K C	43992
HABAJ B	74940	74941	HADWIGER D F	19318	HAGENE P		38108	HAINES E	62077	HALES M W	74942
HABARTA F		15244	HADWIGER L A	59001	HAGENGUTH H		56085	HAINES E	94072	HALES S	27458
HABASHI W		98693		12607	HAGENLOCHER H		61770	HAINES E	65394	HALEVY A H	999
HABECK D H	5151	23200	HADY T F	7694	HAGENMULLER		108094	HAINES K A	109221		48123
	23260	42398	HADZIC E	80314	HAGENS F M		61770	HAINES L C	43268		89478
HABEEBUNNISA		96887	HADZIJEV D	19046	HAGENSTEIN P R		2308	HAINES L D	94035		89479
HABEL F	7713	24264	HADZIMURATOVIC M	62219		2941	2951	HAINES W C	40204	HALEVY E	90865
HABEL K L		98661		16664	HAGENSTEIN W D		40685	HAINES W S	55859	HALEY T J	104217
HABEL R E		3821	HAEFNER K	100050			80798	HAIR D	2890	HALFAR W	2969
HABER A		93585	HAEGELE K	87257	HAGENZIEKER F		80166		51153	HALGA P	22001
HABER A H	9429	10004	HAEGEMAN J	79572			38109	HAIR J B	17671		32266
	37687	38106		89736	HAGER A		100044			HALGAND E	31091
HABER T											



HALL B G		ITEM	HALLER A VON	ITEM	HALWAGY R	ITEM	HAMILTON W E	ITEM	HAN K	ITEM
HALL B J	11039	100800	HALLER C J	46622	HALWARD R	18428		7654	HAN P	24809
HALL C	15734	70180	HALLER E	92635	HALY A R	1690	16034	98209	HAN S T	66385
	24995	16292		71104	34557	25174	HAMISSA R	2676	HAN S T Y	41006
		44356		71105	75099	85592	HAMLIN B G	99011	HAN T	106614
HALL C A		14002	HALLER E VON	56808	HAM E M	56360	HAMLIN E T	7676	HAN W	101954
HALL C B	25355	44747	HALLER H L	44046	HAM G	29541	HAMLIN H W		HAN W P	60749
		65594		67478	HAM R	43239	HAMLIN R	104105	HANACEK S	82790
HALL C F		82612	HALLER H S	35202	HAMA T	77710	HAMLIN R L	13258	HANADA I	42322
HALL C J	6707	10666	HALLERFORS M	69786	HAMADA F	21585		104106	HANAFI M	52340
	10667	15897	HALLERSTROM B	95857	HAMADA H	102	HAMLIN S A	100411	HANAFUSA H	82613
			HALLERUD W A	57134	HAMADA M	2935	HAMM G	3453	HANAFUSA T	82613
			HALLETT G	8232	HAMADA N	29400	HAMM G G H		HANAFY A R S	34698
HALL C L		92898		27214	HAMADA R	29624	HAMM H		HANAKI T	63317
HALL C V		59867		86841	HAMADA S	71732	HAMM H A	26782	HANAN J J	1002
HALL C W	6462	25718	HALLETT J T	43056	HAMADA Y	34473	HAMM J J	105971		49613
	44895	53768	HALLGREN A	27215	HAMADI M	2156	HAMM R	55525	HANAOKA T	70246
	74498	74499	HALLGREN A R	51154	HAMAI J	32608		75636	HANAUSEK E	71303
		85790	HALLGREN B	19320	HAMALAINEN A	69840		86132	HANCE F E	11040
HALL D		94121	HALLGREN G	20848	HAMALAINEN J	40895	HAMMAD S M	23751	HANCE J	1659
HALL D G		94122		50259	HAMAMOTO M	15617		42984	HANCE R J	2149
HALL D H		83307	HALLGREN W	3452	HAMAMURA Y	42838				61046
HALL D M	34556	100241		17369	HAMAN J	87425	HAMMAM M A	35009	HANCHARYK M	46574
HALL D O		51042		22186	HAMAN R W	96955	HAMMANN U	88869	HANCK R	15734
	81111	81112	HALLGRIMSSON H	81767	HAMANN H O	43490	HAMMAR H E	49955		44356
HALL D W		7237		98898		84600	HAMMAR O	11663	HANCOCK B	19890
		44092	HALLIBURTON W H	73861	HAMANN J A	26175	HAMMARLUND A	20263	HANCOCK B B	104075
HALL E		69213	HALLIDAY D	4891	HAMANN K	6993	HAMMARLUND E R	59020	HANCOCK B L	15528
HALL E G		55156	HALLIDAY D J	46670	HAMANN R	85455	HAMMARLUND L	99363	HANCOCK C R	38113
			HALLIDAY G	88316	HAMANN U	9432	HAMMARSTROM U	61195	HANCOCK D H	39496
HALL E J	27934	27935	HALLIDAY H E	27384		57442	HAMMEL G	10664	HANCOCK E C	26645
HALL F A		51516	HALLIG V A	80727	HAMANN V	74434		39084	HANCOCK J L	22816
HALL F R		266	HALLIGER L	95810	HAMASHIMA N	90507	HAMMEL H T	100430	HANCOCK M	79573
HALL G E	6991	6992	HALLIK O	70545	HAMATOVA-HLAVACH-OVA E	90920	HAMMEN L VAN DER	63871	HANCOCK N I	18934
	25637	36384	HALLIWELL G	41129			HAMMER E	7497		23258
		59196		62240	HAMAWI H A	58482	HAMMER K	95311	HANCOCK M T	66408
HALL G R		12185	HALLIWELL R E W	13232	HAMAYA T	88317	HAMMER K F	3440	HAND C	41808
HALL H		20000		22353	HAMBAUGH P C	21586	HAMMER K R	103718	HAND D B	43960
HALL H C		71731	HALLIWELL R S	37402	HAMBECK V	76337		4947		55659
HALL H D		96401		99378	HAMBLIN H J	64369	HAMMER O	23433		96089
HALL H E	6024	24363	HALLMAN G L	103772	HAMBLIN S F	20083		32936	HAND L	58830
		33995	HALLMANS M G W	75840	HAMBLY A E	103451	HAMMER O H		HAND P E	34360
HALL H H	6854	26780	HALLMARK E L	107676	HAMBORG E A	44687	HAMMER R H	78964	HANDA B K	91252
		33435	HALLMARK R B	51975	HAMBURGER V	13508	HAMMER W	75395	HANDA I	51624
HALL H P		82737	HALLOCK H	40892	HAMBURGER W J	6610	HAMMERICH H	4339	HANDA K L	2991
HALL H S	53769	85456	HALLORAN H R	31817	HAMDI H	2675	HAMMERLE K	66785		7248
HALL I M		32603		48809		60147	HAMMERTON J L	1001		16293
		23252	HALLS L K	76992		90979		18932		66051
	42725	52893	HALLSSON B	76992		90180				75735
	99083	99084	HALLSSON S V	97502		101690	HAMMES R C	103552		79076
			105824		HAMDI H M	101953	HAMMETT R A	96117		90780
HALL I V	27658	27659	HALLSTROM J R AF	11516	HAMDORF K	94497		96454	HANDA N	42841
		27691	HALLSTROM M	12609	HAMDORF K	95032			HANDA R	80799
HALL J B		57059		81768	HAMDORF K	95032	HAMMON W M	4715	HANDA S	35294
HALL J C		105905	HALLSWORTH E G	19252	HAMDORF K	95032	HAMMOND A E	34173	HANDBERG A	61118
HALL J G	30025	57060		68809		32280		44749	HANDEL-MAZZETTI H	8697
HALL J K S		15211	HALLUIN B D	25173	HAMDORF K	95032				77254
HALL J L	16208	93613		65282	HAMEAU N	92687	HAMMOND D	76446	HANDEL-MAZZETTI P	12017
HALL J S		24229	HALLUND O	75593	HAMEIRI Y	27138		3583		12017
HALL J T		62954	HALM H VAN	94724	HAMEL A	50260	HAMMOND D M	3363		12204
HALL J W	36632	71351	HALM J F	67217	HAMEL M J L	87955		31308	HANDEL-MAZZETTI P	12017
HALL K N		97300	HALLMAGIAN P	91868	HAMELIN J	97563	HAMMOND E G	103741	HANDFORD R H	53530
HALL L W	51517	82358	HALLMAGYI I	35346	HAMELINK J	12415				53530
	92717	103229	HALME M	65556	HAMEL J	97563				105214
			HALME M	65556	HAMET-AHTI L	58153	HAMMOND E W	64746	HANDKE H H	9433
HALL M A		38541	HALMOY T	40893	HAMID Q	100356		65836	HANDLEY W R C	81113
HALL M E		63870	HALPERIN J VAN	66560	HAMID Q	100356	HAMMOND G E	54500	HANDLIN D L	19661
HALL M J		61065	HALPERIN D R DE	17851	HAMIDI A	28317	HAMMOND H E	57264		22909
HALL M O		383		17852	HAMIDI A EL	78963		88031	HANDMAN E	15529
HALL O	25638	85950	HALPERIN H	56025		89802	HAMMOND H S	13338	HANDNO O N	67902
		100737	HALPERIN J	14277	HAMIED Y K	53384	HAMMOND J	103078	HANDRO W	18992
		71023		105364	HAMIL H	46291	HAMMOND J C	52186	HANDSCHACK W	68912
HALL O F		107023		105364	HAMIL L J G	45903	HAMMOND J J	91019	HANDSCHUH D	47462
HALL O G	3060	3061	HALPERIN W	27650	HAMIL L	11922	HAMMOND J W	7985	HANDWERK W C	34894
	22070	31427	HALPERN L A	58863	HAMILTON A G	53529	HAMMOND L C	49649	HANDY C F	76391
HALL P J	1000	66145		69055	HAMILTON A L	71626		59533	HANDY J	65504
HALL P K		26033	HALPERN M	108033	HAMILTON A P	10755	HAMMOND M	62788	HANES J K	65483
HALL P P		15825	HALPIN G T	104660		27706	HAMMOND M E	81968	HANES T L	68393
HALL R	3741	6630	HALPIN J E	47059	HAMILTON C	61305	HAMMOND P B	62242	HANF M	29220
		9431	HALSEY D E	11195	HAMILTON C H	8048		62543	HANG V	90403
HALL R B		61530	HALSEY L H	43595	HAMILTON C L	108707	HAMMOND P M	33092	HANGARD E	25077
HALL R C	92281	103481	HALSTEAD D G H	33091	HAMILTON D G	59117	HAMMOND R	25483	HANGARTNER W	95312
HALL R E	43068	95031		42983	HAMILTON D W	42675	HAMMOND S R J	3062	HANGER B C	68025
HALL R H	54657	96037	HALSTEAD R L	49723		42701		12767	HANGER B F	27126
HALL R J	38645	85839		78508	HAMILTON E	249	HAMMONS D R	72333	HANGERFORD T A G	40637
HALL R L		54111	HALSTEAD S B	83249	HAMILTON F	97838	HAMMONS O	47860	HANIF M	85505
HALL S A		104998	HALSTEAD W S	87424	HAMILTON H	80963	HAMMONS R O	18717	HANIG I	24364
HALL T D		57300	HALSTENBERG F	108651	HAMILTON H A	11662		23434	HANIOJA P	49814
HALL T H		82744	HALTENBERGER O	15735		50035	HAMMOUDA Y	19321	HANISCH K H	69672
HALL V E		62653	HALTER A N	30629	HAMILTON H G	65482	HAMN R	65831	HANKE B	43756
HALL W		46615	HALTIWANGER W L	59188		58572	HAMNER C E	72704	HANKE H E	13645
HALL W A	11722	89481	HALTMAR S	103556	HAMILTON H L	4157	HAMNER C L	10059	HANKE K	80224
HALL W B		5047	HALTMEIER O	44892		52252	HAMNER K	18933	HANKE W	23507
HALL W C	1386	28076		85951	HAMILTON I D	35765	HAMNER K C	18843	HANKIEWICZ J	62243
	55626	58645	HALTON P	108961		56415		69250		82201
		10379	HALTRUP K B	95858	HAMILTON J E	30706	HAMNER W C	86842	HANKIEWICZ K	82201
HALL W E		66619		106267	HAMILTON J K	47267	HAMON J	42489	HANKIN M E	76854
HALL W F		5687	HALUK J P	16167	HAMILTON J M	47268		43133	HANKINS T H	55157
HALL W K		30315	HALVERSON A W	31730		88728			HANKO E	104208
HALL W P		89123		93061	HAMILTON J W	2253	HAMON M	53128	HANKO K	31935
HALL W T	37689	91958	HALVERSON M	11508		18931	HAMORI D	13015	HANKO M	26783
HALL W T K	72193	103261		38673	HAMILTON K C	29219		92178	HANKS B C	91337
			HALVERSON M V	28511		70050	HAMORI J	94524	HANKS G D	83946
HALL W W		15781		30064	HAMILTON L C	101507			HANKS L F	102481
HALLAB A H		25075		2900	HAMILTON L S	11930	HAMOUA F M	100560	HANKS R J	39648
HALLAIRE M	20384	20385	HALVORSEN B	2900		40205	HAMOUA K A	35952		79923
HALLAM H E		35951		21409		40205	HAMPEL G	34697		79943
HALLARD J	37237	48124		21448	HAMILTON S M	71484	HAMPEL R	12092	HANLEY F	11517
HALLAUER A R		27749	HALVORSEN J	23391	HAMILTON O G	26901		29709		47966
HALLBERG C A		17682		40839	HAMILTON P B	69211	HAMPSON G E	51175		91082
HALLBERG K		61302		53024	HAMILTON R A	1110	HAMPSON J W	75682	HANLIN R T	200
HALLBERG L		87756		71388		39000	HAMPTON J	98610		37691
HALLBERT H		6477								

ITEM		ITEM		ITEM		ITEM		ITEM	
HANNA G D	98747	HANSEN P I E	86217	HAPERT H V F M	48652	HARDING R B--CONT	20430	HARMOND J E--CONT	66146
HANNA G P	91008	HANSEN P M T	15695	VAN		37984	40206		86423
HANNA R L	14108		15736	HAPFRT H V M VAN	59110	HARDING W B	13020	HARMS	36460
HANNA W J	68813	HANSEN R	15737	HAPKA S	57140	HARDING W C	32710	HARMS F	12611
	90844	34425	44310	HAPKE H J	3183	HARDINGE M R	27300	HARMS J	70856
HANNAFORD B D	54658	68153	68815		92718	HARDISON J R	267	HARMS L J	77255
	106961	106871	106936	HAPONENKA V I	89834	268	57786	HARMS R H	4111
HANNAH H H	25175	HANSEN R G	103784	HAPP	96463	HARDISON W A	19111	31818	41919
HANNAH L H	39554	HANSEN R L	20849	HAPP H	61979	HARDISTY S E	9025	41945	41994
HANNAH-ALAVA A	95034	HANSEN R P	34327	HAPPEL F	13017	HARDJOSWORD P S	35311	62775	93084
HANNAM H H	8442	HANSEN R R	24824	HAPPEY F	6599	HARDMAN E	16228	93165	93350
HANNAN P J	1303	HANSEN R S	22512	HAPPEY F	6599	HARDMAN R	100574		104299
HANNAPEL R J	80028	HANSEN R W	24280	HAPPEY F	6599	HARDON H J	34101	HARMSEN G W	2152
	80103	HANSEN S A	46649	HAPPEY F	6599	54990	75637		11251
	55558	HANSEN S E	68271	HAPPOLD F H	7277	106649	106650	HARMSEN H E	60336
HANNAWALD E B	104940	HANSEN T	23298		15826		36826		68970
HANNAY J W	10143			HAQ A	14523	HARDTL H	4383	HARMSEN L	98539
HANNEMANN H J	43269	HANSEN T II	98144	HAQ S	61572	HARDWICK D C	104682	HARMSEN W L	3367
	95431	HANSEN T L	47952	HAQUE E	19518		103990	HARMSTON F C	53326
HANNESTAD E	69841	HANSEN V	41218	HAQUE I	39712	HARDWICK R S	21380	HARMSWORTH L J	69586
HANNESTAD G	36456	52536	52538	HAQUE I UL	79366	HARDWICK W G	102841	HARMSWORTH L J	56735
HANNEWIK J	97209	52539	52540	HAQUE M M	23264			HARNER M J	100879
HANNY C E A	100517			HAQUE S M M	55159			HARNETT G F	16294
HANNEI H	34326	HANSEN V J	42812	HAQUE S Q	25499	HARDY A	97503	HARNEY P M	19322
HANNIBAL L S	85289	HANSEN V K	7856	HARA H	100	HARDY A V	6783		89272
	10756	HANSEN W P	35625	67831	88225	HARDY C E	6783		100612
	45025	HANSFNS E J	54251		98899	61219	67246	HARNISCH D	88779
HANNIG K	496	23141	23142	HARA J	9002	HARDY D	6188	HARNISCH O	109195
HANNON C I	18429			HARA K	46579	HARDY D E	5267	HARNISCH S	34459
HANNON N J	85207	HANSFORD C G	32677	HARA M	33709		43069	HARNISCH W	12521
HANNOVER G	78509	HANSFORD D	46981	HARA S	35342	HARDY D S	17687		34664
HANOSH G J	63498	HANSING E D	36634	HARA T	54416	HARDY E	26999	HARNOCZI G	90405
HANOUT R	62554	HANSKE L	27140	HARADA I	100245	HARDY E A	108690	HARNOSBERGER R S	66772
HANOVER J W	102653	HANSKE L	5907	HARADA J	98278	HARDY F	39876	HARO A S	67068
	102654	HANSLIK G	2077	HARADA K	3190	HARDY G A	95433	HAROLDSEN E O	5979
	59002	70200	79888		29221	HARDY G W	2362		98246
HANDOWER P	74917			HARADA M	35163	40086	60413	HAROVICUS S	62825
HANRAHAN F P	12610	HANSMEYER L L	31568	HARADA R	45574	HARDY SIR A	17853	HARP G L	101508
HANSARD S L	62146	HANSON O P	51099		91084	HARDY SIR E	79419	HARP H H	6161
	72840	HANSON A A	49198	HARADA S	4671	HARE C J	48125	HARPANTIDES J	39969
	103691		109267	HARADA T	29609	HARE E J	33397	HARPAZ I	73304
HANSBERGER R V	61281	HANSON A G	17367	HARADA Y	77079	HARE F K	17363		99178
HANSBROUGH J R	99176	HANSON B	4266		37378	HARE J	18936	HARPER A E	8354
	99364	HANSON B C	66786	HARAGSIM O	32938		104146	HARPER A M	27693
HANSBROUGH T	12159	HANSON B S	62824	HARAGSIMOVA L	32938	HARE L N	9786	HARPER C W	27100
HANSBROUGH T	102383	93237	93238	HARAGUCHI K	27937	HARE R C	48558	HARPER D	3008
HANSCE P E	9573	HANSON C H	18706	HARAGUCHI N	19150	HARE W C	82433		71485
HANSEL H	78282	48832	48833	HARAMAKI C	29222	HARE W C D	12977	HARPER D A	81494
HANSEL R	10200					HAREIN P K	83160	HARPER G A	28587
69212	78965	HANSON E D	53136				83512	HARPER G W	14368
HANSEL W	31372	HANSON E G	80563	HARARI A	28862	HAREL E	10202		53482
42209	72284	HANSON E W	57888	HARASZTHY J	78511		69264	HARPER H B	11041
HANSELL D E	26767	57926	77665	HARASZTHY J	13019	HAREL S	100568	HARPER H H	6784
		HANSON F E	5131	HARBAUGH F	62086	HAREN C C	56116	HARPER H J	70546
HANSELL E		HANSON H	41599	HARBEN R M	92899	HARGITAI L	29492	HARPER J A	22508
HANSELMAN D L	36396	HANSON H A	5777	HARBERLE S	51307		109108		41953
HANSEN A	8583	HANSON H C	68026	HARBERT K E	29342	HARGRAVE P D	38284	HARPER J B	7531
26859	36705	HANSON H E	81302	HARBERT W B	22341	HARGREAVES L A	40491	HARPER J C	75975
36823	36824	HANSON H L	7355	HARRISON C F	46795	HARGREAVES R P	66970	HARPER J L	39445
HANSEN A C	32937	HANSON J B	28324		95432	HARGROVE B	76550	HARPER K T	18430
HANSEN A E	85379	68773	100464	HARBISON J	48701	HARINASUTA C	103258	HARPER M J K	14673
HANSEN A J	358	HANSON J J	81654	HARBORNE R F	95822	HARING F	22878		104534
	42704	HANSON J R	48535	HARBORNE J B	3007	HARING H	24767	HARPER M K	65055
HANSEN C M	43662	HANSON K R	100244	10201	59003	HARING W	93239	HARPER P C	37403
64430	72069	HANSON L A	74334	HARBORNE J F	4164	HARINGTON J S	94872	HARPER R	25378
HANSEN C O	52715	HANSON L C	16107	HARBORNE P	25149	HARTS J	108803	HARPER R K	8164
HANSEN E	6878	HANSON L D	28511	HARBORNE P	72392	HARITON S	2363	HARPER R M	77536
27088	28966			HARRITT P R	72392	HARITSUKA M	23485	HARPER T H	86778
39202	44711	HANSON L E	4010	HARCOURT D G	5516		23486	HARPER W J	6382
59464	59705	21767	41981		63544	HARJUNG M K	37485		85290
		51406	82614	HARD C G	90251	HARKE H P	26045	HARPSSTEAD M	39836
HANSEN E B	67038			HARD G	89975	HARKEMA D J	84601	HARPUR R L	39537
HANSEN E L	24265	HANSON P D	16979	HARD J S	21335	HARKER K W	3433	HARR J R	31310
HANSEN E S	108095	HANSON R	11181	HARD M M	7356	22071	51746	HARRACH W G	42331
HANSEN F	35509	HANSON R G	2311		55143	HARKESS R	3454	HARRADINE F	11402
HANSEN G D	8233	HANSON R P	22437	HARDAS M G	79804	HARKESS R D	39968	HARRANGER J	52978
HANSEN H	38357	83008		HARDCASTLE J Y	99177	76277	82062		101509
	48700	6187		HARDCASTLE W S	39570	HARKIN J M	3006	HARRAP B S	107806
HANSEN H E	51744	69125			59929		91757	HARRAP F E G	11252
51971	62438	27692	795	HARDEE D D	13012	HARKNESS B	1847	HARRAR E S	51323
HANSEN H H	40121	32667		42595	62062		77342	HARRAR J G	33960
HANSEN H J	32456	60877			55391		21871		36329
82203	91397	37692		HARDEE J G	27171	HARKNESS C J P	8095		76184
	72195	16384		HARDEMAN I H P	36459	HARKNESS K A	33793	HARRASCHAIN H	19323
HANSEN H K D	50939	38663		HARDENBERG C GRAF	46546	HARKNESS K A	66787	HARRELL D C	35626
HANSEN H L	50974	67548		VON		HARLAN J B	90641	HARRELL D C	69476
50974	51314	73368		HARDENBRUG R E	44725	HARLAN J R	1586	HARRELL F M	19927
HANSEN H T	62563	83619		HARDENBURG R E	44750	47743	48835	HARRELL G T	104219
HANSEN J	8484	92181			107348	HARLAN R K	97640	HARRENDORF K	14150
96132	97084	60878		HARDER R	27938		108157		94345
HANSEN J D L	8315	109125		HARDERS-STEINHAU-	21191	HARLAND H	50686	HARRER W J	41435
HANSEN J H	21278	35473		SER M		HARLAND R	89271	HARRSCHOU F	74394
	65152	70908		HARDESTY B A	1346	HARLAND S C	24645	HARRIES H	17736
HANSEN J P	5667	71389		HARDESTY J D	2639	HARLER C R	30533	HARRIES J	7163
HANSEN K	15188	47269			50413	HARLEY D W	28350	HARRIES J M	51654
24015	24105	39357		HARDESTY J S	90961	HARLEY J L	9787		62264
24131	24132	83303		HARDH J E	65595		80104	HARRINGKN L	20652
64467	106202	79508			79509	HARLEY-MASON J	1332	HARRINGTON A H	34776
HANSEN K M	51518	10959		HARDHAM C B	77341		1333		54971
HANSEN L	21218	61714		HARDIE A D K	17686	HARLOW A A	27441	HARRINGTON B J	74169
	36527	60607		HARDIE M	99296	HARLOW W M	9788	HARRINGTON C R	53923
HANSEN L E	29235	59465		HARDIN J O	22551	HARM M	31309	HARRINGTON D	22095
HANSEN L H	22393	90802		HARDIN J W	36825	HARMAKI C	29300		73024
	22877	1388		HARDIN L J	42565	HARMAN T W	73811	HARRINGTON E L	20859
HANSEN L R	9051	46982		HARDIN L S	26408	HARMAT MRS A	76891	HARRINGTON G L	13766
58647	88729	47101		HARDIN N C	19874	HARMAT MRS L	78840	HARRINGTON J D	25933
HANSEN M A	63268	36457		HARDIN R V	44893		12093	HARRINGTON J D	48836
		12366		HARDING J	9546	HARMER R	54252	HARRINGTON J F	35327
HANSEN M F	32011	2151		HARDING J A	14110	HARMEYER J	32252	HARRINGTON L	100246
HANSEN N G	92815	68691			69955	HARMON B G	82944	HARRINGTON L	29711
HANSEN N H	43916	78510		HARDING J J	75546	HARMON F N	39090	HARRINGTON M	26409
HANSEN O	98277	67652		HARDING P L	34759	HARMON L G	24822	HARRINGTON N E	20284
HANSEN P	27786	26356			44645	HARMON S	101251	HARRINGTON R B	41552
HANSEN P A	13024	63929		HARDING P R	34805	HARMON S A	29812	62141	82886
HANSEN P H L	85028			HARDING R B	9003	HARMOND J E	35326	HARRINGTON R L	43596



HARRINGTON T A	71525	HARRISON T A-CONT	50570	HARTIR N - CONT	12416	HARVEY C N	26784	HASKINS R H -CONT	59004
HARRINGTON W O	81535	HARRISON F P	61282	21507 21508	21589	HARVEY D	31499 104736	HASLAM E	53384
	34799	HARRISON G F	63449		21590		108921	HASLAM R J	68188 101096
HARRIS A C	55160	HARRISON G K	104325	HARTLEY D E	9682	HARVEY G M	9170	HASLAUER H	11216
HARRIS A H	40442	HARRISON H	78414	78513 79577	100247	HARVEY H G	54254	HASLER A	68817 101955
HARRIS A J	43907	HARRISON I Y	61305	HARTLEY G S	8382	HARVEY H L	68272	HASLER F	15958
HARRIS B	2963	HARRISON J T	30674	9892 38237	101722	HARVEY I M	72141	HASLESTAD H O	87956
HARRIS C C	34474	HARRISON J D B	21088	HARTLEY H	75396	HARVEY J A M	42001	HASLEWOOD G A D	41370
	46002		91434	HARTLEY H J	25398	HARVEY J K	94640	HASLINGER H	96500
HARRIS C E	67039	HARRISON J E	56416		64793	HARVEY J L	24456	HASMAN M	27811 68898
HARRIS C I	12482	HARRISON J L	4716	HARTLEY J C	83948	HARVEY J M	12884 16026	HASNIE S A	45669
HARRIS C I	70102	HARRISON J D	5617	HARTLEY J H	45474		55041 55206	HASPELOVA-HORVAN-	1005
HARRIS C M	107349		105972	56417 77080	82317	HARVEY L H	69477	TOVICOVA	
HARRIS C R	14111	HARRISON K A	88730	91254 95000	97967	HARVEY N	52664 56278	HASPELOVA-HORVAN-	1005
		HARRISON L A	87845	HARTLEY J W	3532		87957 108404	OVICOVA A	18937
HARRIS C S	80214	HARRISON M D	99409		12699	HARVEY P H	61234	HASPRAY J	34875
HARRIS D C	91338	HARRISON M P	9045	HARTLEY M L	6434	HARVEY P N	43824	HASS A	86424
HARRIS D R	58154	HARRISON P	102274	HARTLEY M W	26881	HARVEY R	74943	HASS H J	80471
HARRIS E C	14270	HARRISON R L	59118	HARTLEY W	77169	HARVEY R A	38117	HASSAN A	61633 101759
HARRIS E D	83404		90018	HARTLEY W J	4312	HARVEY T L	33157	HASSAN A A	63546
HARRIS E G	104795	HARRISON S G	17592	12612 72836	93654	HARVEY W A	90643	HASSAN A A G	64191
HARRIS E H	45082	HARRISON W J	54912		104662	HARVEY W E	108274		64192
		HARRISON-SMITH J	30321	HARTLINE J B	83422	HARVEY W R	22686 52316	HASSAN A G	63548
HARRIS E H M	81194	L	40368	HARTMAIR V	27305		71978 73812		63550
HARRIS E J	63383	HARRISS L M F	59707	HARTMAN A J	45462	HARVILL A M	77343	HASSAN M M	45132
HARRIS F J	2652	HARRUD J J	95031		46147	HARVILL R A	56810	HASSAN M N	60106
HARRIS G	3682	HARRUD S	39204	HARTMAN F D	44554	HARWARD M E	49615	HASSAN N	69215
		HARROLD L	91009	HARTMAN H	270	HARWELL A O	80751	HASSAN N A	101685
HARRIS G A	7086	HARROLD L L	11187	HARTMAN H H	8533	HARWIN G O	81969	HASSAN S F	17972
HARRIS G C	4025		39877	HARTMAN J	44588	HARWOOD D C	38118		99368
		HARROLD R L	92945	HARTMAN J D	74364	HARWOOD R	46091	HASSAN S I	23751
HARRIS G H	59562	HARROP A E	62472		84822	HARWOOD W W	80751	HASSAN Z	62827
HARRIS G I	29146	HARRY E G	72620	HARTMAN J J	70666	HARZ K	64190	HASSANEIN A O	62494
HARRIS G K	69535		72621	HARTMAN L	86067	HARZER E	72198	HASSANEIN M H	63548
HARRIS H B	9558	HARRY E L	56277	HARTMAN L M	45652	HASAN K A	39602		63753
		HARRY J B	4877	HARTMAN M W	6147	HASAN M Z	39736		64192
HARRIS H C	1221	HARSANY P	108272	HARTMAN P A	43903	HASAN W	6632		83949
HARRIS H E	3455	HARSCH J A	3184		72282	HASANFEN E	57094	HASSANFIN M Y	64193
HARRIS H M	80809		92862	HARTMAN R C	66080	HASANUZZAMAN S M	38679	HASSE G	31462
HARRIS J	20002	HARSCH M	100166	HARTMAN R E	100672	HASBADZAR S	59119	HASSEBRAUCK B	53771
	55776	HARSHALVI P	7714	HARTMAN T A	27940	HASBARGEN P	66788		84530
HARRIS J A	26084	HARSHBARGER C E	91339		78514	HASBARGEN P R	35904	HASSEBRAUK K	27141
HARRIS J D	2963	HARSHBARGER J C	14237	HARTMANN A F	6435		105184	HASSEFL-DE-MANEND-	784
HARRIS J F	21626	HARSHBARGER J W	2533	HARTMANN C	16025	HASCOET M	98593	EZ G G	
HARRIS J R	32458		50333	HARTMANN D	52282	HASE A	78966	HASSEL-DE-MENEND-	8784
HARRIS J S	60716	HARSHBARGER K E	51871	HARTMANN E	86843	HASE E	58893	EZ G G	
HARRIS J W E	83550		53677	HARTMANN F K	50979	HASEBA T	68077		1554
HARRIS J Y	65148	HARSHFIELD G S	81771		68371	HASEBE J	29911	HASSELBACH D E	24417
HARRIS K A	40207	HARSHFIELD G S	81771	HARTMANN G	44458	HASERE Y	29712	HASSELBACH VON	75398
HARRIS K L	14236	HARST J VAN DER	34205	HARTMANN G C	37693	HASEGAWA H	62406	HASSELBACH W VON	54166
	24373		90407		89124	HASEGAWA K	14334		96133
HARRIS K M	63545	HARSTON C B	20653	HARTMANN H	57167		72622	HASSELBACH-VON	76692
HARRIS L	10540	HART A C	61025	HARTMANN H D	60391	HASEGAWA M	100613	HASSELBACH W	94548
		HART A J	10758	HARTMANN H T	635		76326	HASSELBACH W	94548
HARRIS L E	13142	HART C A	12342		35216 48121	HASEGAWA N	19465	HASSELBACH W	94548
	22265		30727		98620 101149	HASEGAWA S	5000	HASSELBACH W	94548
HARRIS L J	82204	HART C E	80930		101151		6655	HASSELBACH W	94548
HARRIS M	25435	HART C K	5908	HARTMANN K	100344	HASEGAWA T	90070	HASSELBACH W	94548
		HART D S	82745	HARTMANN L M	60410		99086	HASSELBACH W	94548
		HART G	2761	HARTMANN P E	62283	HASEGAWA Y	97237	HASSELBACH W	94548
HARRIS M C	85998		49614	HARTMANN R W	796	HASEB B	13400	HASSELBACH W	94548
HARRIS M R	68140	HART G M	1848	HARTMANN W	78944	HASEL	50607	HASSELBACH W	94548
HARRIS N	48185	HART J	46292	HARTMANN X	10668	HASEL K	40459	HASSELBACH W	94548
HARRIS P C	22483	HART J A	51859	HARTMANN-BENNING-		HASELBACH C	11032	HASSELBACH W	94548
HARRIS P H	32504	HART J H	7089	ER E	5268		27214	HASSELBACH W	94548
HARRIS R	44073	HART J R	55777	HARTMANN GUILTY			4616	HASSELBACH W	94548
HARRIS R E	26924	HART L G	42399	IN I		HASELER F	42688	HASSELBACH W	94548
HARRIS R F	2209	HART M A	17114	HARTMANS J	3456	HASELFY A	33848	HASSELBACH W	94548
HARRIS R J C	63821	HART M G R	11293	HARTMANS S	57262	HASELHORN R	104755	HASSELBACH W	94548
HARRIS R L	14052	HART M L T	60390	HARTNETT G F	26046	HASEMAN L	105425	HASSELBACH W	94548
HARRIS R N S	8016	HART M R	6189		55609	HASEMMAIER E	81001	HASSELBACH W	94548
HARRIS R R	12883	HART P A	24484	HARTOG C D	76855	HASENNYER G D	96193	HASSELBACH W	94548
	72334	HART P C	3426	HARTOG C DEN	18133	HASENTES D B	54575	HASSELBACH W	94548
			104949		68372	HASHAD M N	60075	HASSELBACH W	94548
HARRIS R S	27349		29326	HARTOG F	86944	HASHIDA W	87001	HASSELBACH W	94548
HARRIS R V	77711	HART R D	27939	HARTOG G DEN	96464	HASHIDZUMU T	53104	HASSELBACH W	94548
HARRIS R W	2105	HART R G	18305	HARTOG G J DEN	61283		53105 53106	HASSELBACH W	94548
		HART R H	1576	HARTUNG B D	6275	HASHTOGUCHI K	43660	HASTIE E L	39001
HARRIS S A	2271	HART R J	32604		46575	HASHIMA C	23493	HASTINGS D H	41608
HARRIS S F	66420	HART S A	5969	HARTUFF E F	48875		83692	HASTINGS E	53531
HARRIS T H	77537	HARTS P	70886	HARTRIDGE F J	48875	HASHIMI M EL	62490	HASTINGS J R	18431
HARRIS T M	13259	HART T G	25436	HARTSCH F	85953	HASHIMOTO D	35425	HASTINGS J W	920
HARRIS T Y	101303	HART W E	2534	HARTSCH I	85953	HASHIMOTO E	81120	HASTINGS W H	75014
HARRIS V C	59945	HART W H	507	HARTSMA A M	27941	HASHIMOTO G	18	HASTINGS W R	49197
	79805	HART W J	54253	HARTSUNG T F	16114	HASHIMOTO H	81114	HASVOLD K K	71547
HARRIS W	29852	HART W J	108599	HARTSUNG E W	72523	HASHIMOTO I	41053	HASWELL R	44282
HARRIS W B	34558	HART W J	108691	HARTSUNG G R	22374	HASHIMOTO J	19185	HASZEL O L	70449
HARRIS W F	81770	HART W J	47861		104071	HASHIMOTO T	38119	HATA K	41144
		HART F C	72335	HARTSACK A W	65760		68616		81570
HARRIS W G	50414	HART F J	72040	HARTSACK J A	38556	HASHIMOTO Y	31505	HATA T	74791
HARRIS W K	88994	HART F J	29340	HARTSUIJKER K	40506		32975	HATAE H	28858
HARRIS W S	2594	HART F J	77712	HARTT C E	38116		41139	HATAI N	33794
	60608	HART F J	15325		48126 48127		96442	HATAKEYAMA H	3593
		HARTEN J VAN	105562		75838	HASHINAGA M	95008		4384
HARRIS W V	106124	HARTENSTEIN R	57775	HARTUNG B I	43014		33847	HATAKEYAMA S	102727
HARRIS W D	1857	HARTS VELD R	88995	HARTUNG R	92817	HASHINE A	77839	HATAYAMA Y	4433
HARRIS W J	64556	HARTS VELD R J	9325	HARTUNG R E	76530	HASHIOKA Y	31327	HATAMURA M	58402
HARRIS W J W	15774	HARTWEG K	35096	HARTUNG T E	45216	HASHISH S	99630	HATANAKA C	99557
HARRIS W A	54604	HARTWELL W	104300		45217	HASHISH S	48373	HATANO K I	30376
	54605	HARTWELL W V	102916		37597	HASHITANI Y	59040	HATANO S	29610
HARRIS W B D	18344	HARTWELL W V	60974	HARTWELL W V	37494	HASHIZUME P K	14017		46609
HARRIS W B J	58071	HARTWELL W V	43270		17364	HASHIZUME T	14017	HATANO S	69216
HARRIS W B J	37853	HARTWELL W V	39206	HARTWICH G	69613	HASHMI M H	38700	HATANO T	4297
HARRIS W C W	76905	HARTWELL W V	101878	HARTWICH E	69613	HASHIJI S Y	107433	HATAYAMA T	51407
HARRIS W D F	47270	HARTWELL W V	42216		101053	HASITSCHKA-JENSC-	201		1174
	47442	HARTWELL W V	63467	HARTWIG H	96588	HKE G	58353	HATAYAMA Y	79836
HARRIS W D L	16208	HARTWELL W V	29225	HARTWIG H	22187	HASKELL E E	11723	HATCH M H	32321
	44104	HARTWELL W V	94639	HARTWIG H	63107		70247	HATCH R O	51738
	43613	HARTWELL W V	44767	HARTYANI F	93605	HASKELL H H	30613	HATCH R E	28376
HARRIS W D S	269	HARTWELL W V	44767	HARTZELL A	43271		71456	HATCH R H	



74



[illegible]

ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
HENNIG R 12148	26992	HEPLER P R 69947	69948	HERNANDEZ E 64873	HERRMANN O W 34175
HENNIG W 25859	53328	HEPP R E	7656	HERNANDEZ M 32558	HERRMANN P 1499 84481
HENNIG E 34560	64285	HEPPER F N 61	107	HERNANDEZ MEDINA E 60393	84722
HENNIGER H 27145	99168		26768		37696
HENNIK J J VAN	49041	HEPTING F H	9143	HERNANDEZ R 60581	77716
	57266	HEPTING G H	37069	HERNANDEZ T J 90644	91577
HENNING A 32361	91846	50458 57312	61189	HERNANDEZ T P 9275	107325
HENNING D	93438	68033	99369	18720 37999	92449
HENNING G F	55512	HEPTNER W	64895	HERNANDEZ Z L 34858	101074
	56932	HEPTON A	44688	HERNANDEZ-ALBA A 16797	79808
HENNING G J	19269	HEPWORTH W G	103236	HERNANDEZ-ALVA A 56421	66163
HENNING H	50263	HERA A	12719	HERNANDEZ-CHESA A 20425	103775
HENNING J N	12978	HERA C	11478	HERSCHLER M S 22419	22419
HENNINGER H	68018	HERAN H	23437 53083	HERSCHLER R C 22426	22428
HENNINGER M D	1347	105434 105435	9194	HERSCU 61501	61501
	19326	HERATH H M E	101725	HERSCU O 51231	71473
HENNINGSEN C	98546	HERATH J W 79946	101725		91722
HENNINGSON R W	24823	HERB M	44555	HERSE J 28416	28643
HENOCH R L	75400	HERB S F	55613	HERSEY J	77348
HENRARD G 89125	101305	HERBER F	73194	HERSH D M 2273	29645
HENRICK C A	68849	HERBER H	91259	HERSHBERGER T V 72523	80567
	100614	HERBERG H	61774	HERSHFIELD D M 80567	106697
HENRICKSON R L	25886	HERBERGER J P	4948	HERSHICZY A	5269
45034 55524	86155	HERBERT D A	6141	HERSKOWITZ I H	83951
86172	86218	18557 63755	64149		84799
HENRICSON B	36462	HERBERT J 62955	95985	HERSON A C	93506
52504 52598	92679	95986 104354	107812	HERSTAD O 93246	27949
HENRIKSEN A	80030	HERBERT L P	101073	HERTELENDY F	104355
	101724	HERBERT R	105337	HERTER C A 67308	67309
HENRIKSEN H A	2728	HERBISON H W	25608	HERTER K	95630
HENRIKSEN P K	109085	HERBST A M	87803	HERTIG M 32678	32684
	109122	HERBST H G	57267	HERTING B	23671
HENRIKSON R C	82654	HERBST W	44048	HERTING D C	36369
HENRIKSSON A	72337	HERBULOT C	64194	HERTLEIN R	25078
HENRIKSSON E	28329	95436 95437	105973	HERTRAMPF J	92301
HENRIKSSON K	20006	HERCHENRODER M V	79889	HERTSGAARD T A	97840
	68027			HERTZ C H	48113
HENRIKSSON R	24281	HERCIC F	48135	HERTZ L	1644
43733 43757	43767	HERCZEGH M 97724	100801	HERTZ W 66625	86846
53606	53925	HERD G W	88597	HERUM F L	43508
	64677	HERD N	34662	HERVE P	73573
HENRIOL F	7120	HERDE J	88898	HERVEY A	19124
HENRIQUEZ P C	36397	HERDE J D 49042	49922	HERVEY D F	69537
HENROT H	94873		77956	HERVO S	80276
HENRY C L	34591	HERDER R J 75401	86466	HERVOY A 52419	93632
HENRY D S	90960	HERD R W	29713	HERZ A 42199	72737
HENRY J	16426	HERENDEEN J B	97625		103300
35361 55863	86465	HERFFELD H 35096	107670	HERZ H	84667
HENRY J E	59196		107671	HERZIG	51429
HENRY J H	72209	HERFS A 83552	109112	HERZIG J	61984
HENRY K M	51995	HERFS W	84142	HERZIG K 8144	17093
HENRY L K	98541	HERFURTH W	98567	HERZOG A	51863
HENRY M	63270	HERGONTH S	82647	HERZOG A	83501
HENRY N	6548	HERGOTT J	93562	HESELTINE H K	18944
	21760	HERNANDEZ-DE-CAL-DAS A	35628	HESKETH J D	99370
HENRY P	32762	HERICH R 27517	37695	HESKO J 17973	8838
HENRY R	109098	HERIN R A	3826	HESLER L R	85021
HENRY R W	41007	HERING E M 14624	53329	HESLER W E	58119
HENRY S M	14623		109083	HESLING J	37504
HENRY T W	69843	HERING M	42678	HESLING J J	37505
HENRY W	16353	HERING T F 2211	36635	HESLOP HARRISON J	58259
HENRY W B	104005	HERINGA P K	9327		58260
HENRY W F	107810	HERINGA R J	29054	HESLOP I R P	5517
HENRY W R	7358	HERINGER L	43443	73813 84143	84143
	107811	HERITAGE C C	98497	HESLOP J P 73146	73636
HENRY W T	12268	HERITAGE N J	15356	HESLOP-HARRISON J	660
HENRY Y	62663	HERITOT H DE P D	35767	17593 68472	68472
72511 82946	104158	HERKLOTS G A C	26861	HESLOT H	37897
HENSCH E	97422	36835 67834	90409	HESTER H	60249
HENSCH E	62528		90410	HESP T	81381
HENSCH J	93920	HERLICH H 3585	103724	HESS A D	4717
HENSCHEN A 103722	103723	HERLIHY M	20428	HESS C E	1009
HENSEKE G	16427	HERLONG B E	40209	1692 89486	89836
HENSEL A	54108	HERMAN A	800	HESS D	9794
HENSEL D R 2365	2471	HERMAN F R	30235	58405 58406	100616
HENSEL H L	54216	HERMAN L H	94875	HESS E	50957
HENSEN K J W	20007	HERMAN M G	107352	51595 58156	90253
46855 46856	59708	HERMAN Y F	42331	61121 62375	42084
	77346	HERMANN E	45321	HESS E H	33887
HENSHAW G G	9689	HERMANN F J	46857	HESS G	46672
	58344	77347 88442	88450	HESS H	272
HENSLEY J C	93179	HERMANN R K	12018	HESS M	38529
HENSLEY S D	63552	30429 40641	71242	HESS O	105722
	99165		81117	HESS P	53698
HENSON J B	98508	HERMANNS H F	71890	HESS W H	1774
HENSON O G	20520	HERMANS J	21688	HESS W M	37242
HENSON P R 48869	79291	HERMANS K H	3063	HESSAMI M	81835
HENSON W R	14870		13009	HESS C O	28856
HENSSEN A	204	HERMANS P H	26208	HESS P	98027
206 17893	36992		27525	HESS P R 18945	20431
HENSTRA S	43031	HERMANSEN J E	88734	HESS E	29447
HENTGES J F	51748	HERMANSEN N	71025	HESS S A	23865
62097 71628	71990	HERMANSEN N K	2729	HESELBACH J	1943
81989	92187	21126 40406	71026	5818 7678	15290
HENTHORNE R D	104195	HERMANSON H P	28415	26556 33615	56814
HENTOLA Y	21593	HERMANSSON A	21400	66914 84392	95780
HENTRICH W	89273	HERMES A	109101		106938
HENTSCHKE	24912	HERMES P	56643	HESELBACH J L	66335
HENZE	53027	HERMEY W	79426	HESELHOLT M	86999
HFNZE J	50264	HERMIER J	43919	22879	95861
	58656	HERMODSSON L	52232	HERRMANN C 62273	91854
HENZE R	50037	HERMODSSON S	52232		103115
HENZEL J	68822	HERMOSURA S R	71920	HERRMANN E W	39973
HENZELL E F	70547	HERMOUSURA S R	3368	80315	55614
	34319	HERMS H P	94228	75710 86320	86320
HEOTIS J P	27344	HERMSEN J G T	801	87825 99087	99087
HEPBURN F N	86004	802 803	10329	HESSLER L F	7657
	53568		78218	26468	45498
HEPBURN H R	95629	HERMSMEIER L F	60717	HESSLER J R	103991
	64827	HERMUS G	13824	HESSLER L E	34511
HEPBURN W J	4499	HERNAN-OSORIO A J	108694	HESSLER W H	38716
HEPBURN W R	53722	HERNANDEZ ALBA A	66790	HESTER O C 107279	107720
HEPER R Q	99899	HERNANDEZ C M	22111	61188	61188
HEPLER P K 9438					



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM				
HEYWOOD V H--CONT	88226	HIGGINS H G--CONT	94727	HILL E C	25356	65441	HILTI BRAN R C	11045	HINZE G D	48715	69412
88278	88290	88321	42347	65447	65541	11046	HILTON	83154	HIOO M		30491
88322	88323	88323	20270	4495	23359	32630	HILTON B D	41030	HIORTH G		30642
HIATT A J	69219	HIGGINS M L	26848	52999	93970	1011	HILTON C F	1011	HIPP B W		80565
HIBBARD A D	101252	HIGGINS T C	36860	1348	100594	2034	HILTON H G	11114	HIPPELI P		88134
HIBBARD C H	13341	HIGGINS W R	87138	13456	22940	70106	HILTON J L	15898	HIPPOLITI G		12095
HIBBERT A R	49923	HIGGS D G	45013	HILL E P	54500	1235	HILTON R J	27621	HIRABAYASHI H		27518
HIBBERT F W	8236	HIGGS R L	38718	HILL E T	108301	19759	1759	27217	HIRABAYASHI S		9056
HIBBITT K G	57135	HIGH J W	72203	HILL F D	62740	38127	39040	28227	HIRAI A		99596
HIBBS E T	72202	HIGHET R J	72233	HILL F F	82558	58663	59814	40936	HIRAI J	31317	31318
14753	19374	HIGHLAND H A	43072	HILL F W G	92719	58663	59814	28859	HIRAI S	28859	40935
38603	105812	HIGHLANDS M E	44723	HILL G	85593	58663	59814	41160	HIRAI T	18308	18352
HIBBS J W	22189	HIGHNAM K C	33464	HILL G D	11001	58663	59814	18350	HIRAI Y	18350	34663
72094	103870	HIGHS M R	35629	HILL G E B	109075	58663	59814	47502	HIRAI Y	47502	99596
HIBLER C P	4385	HIGHTON P J	9218	HILL G J	41750	58663	59814	31920	HIRAI Y	31920	38128
HICKETHIER R	70227	HIGHTOWER B G	23672	HILL G W	66998	58663	59814	2153	HIRAISHI M	2153	20572
HICKEY K D	16013	HIGHTOWER T	34056	HILL H	72839	58663	59814	90844	HIRAMATSU G	20658	24916
57805	57806	HIGINBOTHAM N	48137	HILL H D	9551	58663	59814	92670	HIRAMATSU K	5217	18949
HICKEY T H	72202	HIGLEY R L	58662	HILL H E	3957	58663	59814	103554	HIRAMATSU S	68722	26787
HICKEY W A	43132	HIGNETT P G	31316	HILL H L	45794	58663	59814	5217	HIRAMATSU S	805	52148
HICKEY W C	67706	HIGNETT T F	102327	HILL J	75110	58663	59814	805	HIRANO C	34732	105975
HICKEY W V	106988	HIGNETT T P	21018	HILL J B	1849	58663	59814	804	HIRANO H	24265	10107
HICKIN N E	42768	50416	60772	HILL J D	35876	58663	59814	804	HIRANO K	68147	85880
HICKLING W C	50933	50416	60772	HILL J E	6709	58663	59814	804	HIRANO S	21689	79367
HICKMAN C G	3369	50416	60772	HILL J H	12122	58663	59814	804	HIRANO T	19328	105723
HICKMAN C J	47797	50416	60772	HILL J M	69220	58663	59814	804	HIRAO J	6786	56270
HICKMAN J	3964	50416	60772	HILL J T	7359	58663	59814	804	HIRAO K	55865	5024
HICKMAN J L	105635	50416	60772	HILL K L	9933	58663	59814	804	HIRASA T	39211	42795
HICKMAN J M	56736	50416	60772	HILL K W	68824	58663	59814	804	HIRASAWA O	65246	30749
HICKMAN J O	32305	50416	60772	HILL L	28466	58663	59814	804	HIRASHIMA Y	107119	43207
HICKMAN R A	34127	50416	60772	33465	28466	58663	59814	804	HIRATA A	97725	41144
HICKMAN V V	105563	50416	60772	33465	28466	58663	59814	804	HIRATA K	3483	90278
HICKMAN W R	86048	50416	60772	33465	28466	58663	59814	804	HIRATA S	62098	95438
HICKS B G	91738	50416	60772	33465	28466	58663	59814	804	HIRATA T	72301	71096
HICKS E A	105564	50416	60772	33465	28466	58663	59814	804	HIRATA Y	39472	100720
HICKS R D	10993	50416	60772	33465	28466	58663	59814	804	HIRATO K	18659	104935
HICKS S R C S	39779	50416	60772	33465	28466	58663	59814	804	HIRATSUKA N	5643	17368
HICKSON J L	55864	50416	60772	33465	28466	58663	59814	804	HIRATSUKA Y	25642	27492
HICKSTEIN E	90597	50416	60772	33465	28466	58663	59814	804	HIRAYAMA O	35246	86285
HICOCK H W	80903	50416	60772	33465	28466	58663	59814	804	HIRAYAMA Y	99900	108603
HICOCK R	79617	50416	60772	33465	28466	58663	59814	804	HIRAYOSHI I	104663	27950
HIDA Y	47578	50416	60772	33465	28466	58663	59814	804	HIROGAUDAR L S	21220	28056
HIDAKA M	38174	50416	60772	33465	28466	58663	59814	804	HIROGAUDAR S L	21219	83802
HIDAKA T	14871	50416	60772	33465	28466	58663	59814	804	HIROGAUDAR S L	21219	105757
HIDAKA Z	18331	50416	60772	33465	28466	58663	59814	804	HIRING W	50265	108071
HIDALGO L	1010	50416	60772	33465	28466	58663	59814	804	HIRING W	63713	58120
HIDALGO R J	92540	50416	60772	33465	28466	58663	59814	804	HIRING W	96072	173102
HIDALGO-ZABALLOS	85099	50416	60772	33465	28466	58663	59814	804	HIROBO M	9055	27951
T	29747	50416	60772	33465	28466	58663	59814	804	HIROI T	18134	89487
HIDARITE K	26272	50416	60772	33465	28466	58663	59814	804	HIROKAWA B	12936	100238
HIDASAI V	7797	50416	60772	33465	28466	58663	59814	804	HIROKAWA K	72116	29229
HIDEMA J	9053	50416	60772	33465	28466	58663	59814	804	HIROKAWA T	104686	15832
HIDING A P	29449	50416	60772	33465	28466	58663	59814	804	HIROKAWA T	99180	38245
HIDING J	77957	50416	60772	33465	28466	58663	59814	804	HIROMOTO K	16944	29543
HIDE R H	40547	50416	60772	33465	28466	58663	59814	804	HIROKAWA M	151570	9328
HIDI P	107913	50416	60772	33465	28466	58663	59814	804	HIROKAWA R	14918	31319
HIDIK M E	35009	50416	60772	33465	28466	58663	59814	804	HIROKAWA S	18135	1985
HIDIR M EL	71732	50416	60772	33465	28466	58663	59814	804	HIROSE H	25357	36961
HIDIROGLOU M	31092	50416	60772	33465	28466	58663	59814	804	HIROSE K	54448	33775
HIDORE J J	59005	50416	60772	33465	28466	58663	59814	804	HIROSE M	67079	44417
HIDORE J J	60612	50416	60772	33465	28466	58663	59814	804	HIROSE S	57831	39713
HIDORE J J	54710	50416	60772	33465	28466	58663	59814	804	HIROSE S	43661	93250
HIDORE J J	30568	50416	60772	33465	28466	58663	59814	804	HIROSE S	38561	97843
HIDORE J J	106837	50416	60772	33465	28466	58663	59814	804	HIROSE T	49787	97844
HIDORE J J	107749	50416	60772	33465	28466	58663	59814	804	HIROSE T	88085	60777
HIDORE J J	49201	50416	60772	33465	28466	58663	59814	804	HIROSE W	16932	90317
HIDORE J J	58261	50416	60772	33465	28466	58663	59814	804	HIROSE Y	68146	65451
HIDORE J J	20439	50416	60772	33465	28466	58663	59814	804	HIROSE Y	12122	97254
HIDORE J J	39002	50416	60772	33465	28466	58663	59814	804	HIROTA H	64247	27404
HIDORE J J	48033	50416	60772	33465	28466	58663	59814	804	HIROTA K	107721	55371
HIDORE J J	78521	50416	60772	33465	28466	58663	59814	804	HIROYA Y	22838	31819
HIDORE J J	78521	50416	60772	33465	28466	58663	59814	804	HIROYA Y	49709	38129
HIDORE J J	96349	50416	60772	33465	28466	58663	59814	804	HIROYA Y	4677	15408
HIDORE J J	19825	50416	60772	33465	28466	58663	59814	804	HIRSCH D E	58690	76608
HIDORE J J	6755	50416	60772	33465	28466	58663	59814	804	HIRSCH G P	35247	105154
HIDORE J J	26903	50416	60772	33465	28466	58663	59814	804	HIRSCH I	45241	23674
HIDORE J J	54167	50416	60772	33465	28466	58663	59814	804	HIRSCH J	46579	64387
HIDORE J J	74373	50416	60772	33465	28466	58663	59814	804	HIRSCH K	13613	74383
HIDORE J J	106515	50416	60772	33465	28466	58663	59814	804	HIRSCH L F	25304	1311
HIDORE J J	52787	50416	60772	33465	28466	58663	59814	804	HIRSCHBERG A	68106	12496
HIDORE J J	94126	50416	60772	33465	28466	58663	59814	804	HIRSCHBERG M	52398	27155
HIDORE J J	7278	50416	60772	33465	28466	58663	59814	804	HIRSCHFELD A	56815	24647
HIDORE J J	55285	50416	60772	33465	28466	58663	59814	804	HIRSCHFELD H	105436	4950
HIDORE J J	58754	50416	60772	33465	28466	58663	59814	804	HIRSCHFELDER H	4267	73374
HIDORE J J	6463	50416	60772	33465	28466	58663	59814	804	HIRSCHHORN J	52781	57268
HIDORE J J	62439	50416	60772	33465	28466	58663	59814	804	HIRSCHMAN A O	48934	76487
HIDORE J J	81864	50416	60772	33465	28466	58663	59814	804	HIRSCHMAN H	71082	497
HIDORE J J	31315	50416	60772	33465	28466	58663	59814	804	HIRSCHMULLER H H	85457	98545
HIDORE J J	97064	50416	60772	33465	28466	58663	59814	804	HIRSCHMULLER H H	107019	61520
HIDORE J J	98281	50416	60772	33465	28466	58663	59814	804	HIRSCHMULLER H H	3827	48138
HIDORE J J	58661	50416	60772	33465	28466	58663	59814	804	HIRSCHMULLER H H	31540	11228
HIDORE J J	36370	50416	60772	33465	28466	58663	59814	804	HIRSCHMULLER H H	77259	6976
HIDORE J J	31918	50416	60772	33465	28466	58663	59814	804	HIRSCHMULLER H H	39212	77721
HIDORE J J	41737	50416	60772	33465	28466	58663	59814	804	HIRSCHMULLER H H	94642	12497
HIDORE J J	84758	50416	60772	33465	28466	58663	59814	804	HIRSCHMULLER H H	105538	18270
HIDORE J J	16428	50416	60772	33465	28466	58663	59814	804	HIRSCHMULLER H H	85977	18270
HIDORE J J	30151	50416	60772	33465	28466	58663	59814	804	HIRSCHMULLER H H	8318	68296
HIDORE J J	49618	50416	60772	33465	28466	58663	59814	804	HIRSCHMULLER H H	82287	78998
HIDORE J J	16692	50416	60772	33465	28466	58663	59814	804	HIRSCHMULLER H H	85673	99597
HIDORE J J	50415	50416	60772	33465	28466	58663	59814	804	HIRSCHMULLER H H	72043	64195
HIDORE J J	108768	50416	6								

ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
HISAMUNE T 25178	HOBS J 94291	HODGSON J N 97659	HOFFMAN R A 5271	HOGAN L 1015	
HISAUCHI K 67707	HOBS J A 38717	HODGSON L 48024 68730	23118 94127 103862	HOGAN W D 90652	95923
HISAW F L 23508	HOBS J N A 85111	HODGSON L M 102659	105101	HOGBOURG E	20266
HISCOCK R H 3915	HOBS T D 4025 32043	HODGSON R E 8018	HOFFMAN R L 14442	HOGGE H	69744
HISCOCKS E S 55616	HOBS T D 92989 93441	24789 61986 107568	14445 23557 33051	HOGGE R S	13292
98694	HOBERLANDT L 95194	HODGSON R H 68774	45141 73521 94728	HUGENODORN L	36459
HISCOCKS G 6995	HOBGGOOD P 37166	HODGSON T 55526	HOFFMAN W D 58759	HOGES J	13825
HISHINUMA T 31515	HOBLINCU A 96186		HOFFMAN W M 80752	HOGGETSU K	1175
34408 66791	HOBLINCU L A 100250	HODNETT G E 11276	80753 91385 102318	HOGG F G	46726
HISHINUMA T A 32042	HOBS A 67407 67447	HODNETT R C 66896	HOFFMAN W R 7986	HOGG J T	50266
HISINGER C 72339	87804 98401	HODODA T 31752	HOFFMAN W W 16512	HOGG M L 51720 62071	
HISLOP E C 47272	HOBS A K 8187	HODOKOYAMA K 85678	HOFFMAN-WALBECK H 16457	62072 71999 103527	
HISLOP G K 65844	HOBS G E 1349	HODOSY J 22625 104489		HOGG P G 48841 100988	
HISLOP J 11232	HOBS K 55403 107468	HODOSY S 364 18136			
HISZPANSKA W 104270		52934	HOFFMANN A 23603 83944		
HITAKA N 48139		57269 63697	105636 105637		
HITCH P A 33050	HOBS P M 5730 84404	94465 105356	HOFFMANN B 41473	HOGG W H 18138	
HITCHBORN J H 47517	HOBS P N 12617 103233		HOFFMANN C 23509 63872	HOGGAN J 106797	
HITCHCOCK A E 26802	HOCH G 1014 1350	HOE N X 5109	HOFFMANN C E 69827	HOGH P 31323	
	10207 38107	HOECHSTETTER H 43445	HOFFMANN C H 4851	HOGI O 6113	
HITCHCOCK C L 98827	HOCH K 87959	HOECK G VAN 80495	HOFFMANN D 71304	HOGLEY B 93774	
HITCHCOCK N E 32961	HOCH V 6035	HOECKER R W 34057	HOFFMANN DE C A 9865	HOGUND B 55855	
HITCHCOCK S W 42752	HOCHART B 102952	35097 45074 106615	HOFFMANN E 45419 45420	HOGUND C R 26789	
HITCHINGS R G 81484	HOCHBAUM H V 86092	HOED G DEN 95316	48658	26790 33796 74258	
HITCHNER L S 57176	HOCHEREAU M T 3370	HOEFER J A 13773 13852	HOFFMANN F 12186 30322	82067 87005 87183	
HITCHNER S B 62828		22912 42256 42257	50785 54113 60397	HOGUND G 23866 33357	
		82939 86170 104861	61067 91089	HOGUND R 27000	
HITE M 62934	HOCHGESAND W 51308	104944	HOFFMANN F G 71444	HOGNAS B 17595	
HITE O 53597	94801	HOEFFER J A 13780	HOFFMANN G 9894 61068	HOGNESTAD R 85356	
HITIER H 19731	HOCHKONIG W 95721	HOEFFLIN R 35523	65832 70403 70949	HOGSTROM A W 7773	
HITOSHI S 88737	HOCHLEITNER H A 15620	HOEFT E 54818	HOFFMANN G M 47273	HOGUE D E 13648 22781	
HITSCHFELD O 91087	HOCHMUT R 64150	HOEHNE D E 81774	HOFFMANN G O 12885	52436 72803	
HITTLE C N 9475	HOCHNER F 42187	HOEK C J 36465	HOFFMANN H 44556	HOH-CHEUNG 36219	
	HOCHSTER R M 435	HOEK C VAN DEN 89128	HOFFMANN I 94522	HOHEISEL H 41173	
HITTLE L L 38018		HOEK F H 107672	HOFFMANN J 12096 21280	HOHL H R 38132	
HITZ C W 57790	HOCHSTRASSER D L 17012	HOEKSTRA J 13514	HOFFMANN J A 207	HOHL P 65395	
HIURA U 28217	HOCHTANNER G 50863	HOEKSTRA O 17695	13606 18198 18721	HOHLFELD K E 43623	
HIVON K J 75694	HOCK A 4335 4341	HOEKSTRA P E 30285	73717 99373 99374	HOHMANN H J 17438	
HIX H 6059	HOCK G 38100	30288	HOFFMANN K 100963	HOHMANN E 84703	
	HOCK W K 83489	HOEKSTRA W G 4593	HOFFMANN L 21788 54630	HOHN R 28954	
HIX S M 43963	HOCKENHULL D J D 76908	13862 25844 25853	82484	HOHNBAUM E 8451	
HIYAMA K 77174	HOCKENSMITH R D 8017	45015 52665 55440	HOFFMANN M 3462 4496	HOHNE H 11256 12019	
HJALMARSSON B 26646	16982 102274	72914 87811 93096	11407 12886 20536	58664 58665	
	HOCKER H W 50864	HOEL P 73375 83620	41258 70516	HOHNE J 49020 106873	
HJELDE J E 27522	HOCKERSMITH F D 17154	107914	HOFFMANN OSTENHOF 59068	HOHNER J 85955	
HJELM G 25351	HOCKEY J F 57791	HOELKESKAMP F 81571		HOIBERGET B 21281	
HJELM L 16798	HOCKING B 42492	HOELL G 6162 16955	HOFFMANN P 89837	HOIE J 4268 62742	
45463 45968 66792	HOCKING K S 32720	43446	HOFFMANN R 62299	HOIE K L 62743 104233	
76141 77112 87002	42544	HOELSCHER 36466	HOFFMANN R L 94729	21221 71222	
108408 108695 109257	HOCKMAN H 90647	HOELSCHER H 76521	HOFFMANN S 5853 41764	39474 59947	
HJELMQVIST H 108	HOCCOMBE S D 90648	HOEN P C A T 87003	43447 43448 72973	HOJ G 98546	
2035 69400 98903	HOCCAI T 29913	HOEPNER P H 87003	79181	HOJ S 14306	
HJELMSTROM L 61313	HOCCAI T 33521	HOEPLI R 4759 52788	HOFFMANN W E 10330	HOJER E W 21127 40477	
HJELTNE A 39213	HOCCAPP C J 43135	HOERLEIN A B 13026	HOFFMANN-OSTENHOF 59068	HJUGAARD-OLSEN N 52542	
HJERMSTAD E T 54132	HOCCDE W L 25179	13027 41612 62249		J 52543 52544 53678	
HJERPE C A 22190 62614	HOCC I 14524	103729	HOFFMEISTER G 2639	53927 106446	
72972 82209	HOCCOON A R 17693	HOERLEIN B F 3828	30057	HOJNY J 63271 93007	
HJERTING J P 8637	17793 18456	HOERNICKE H 103234	HOFFMEISTER H 63822	HOJOVEC J 19826 92131	
	46796 77260	HOERNLE E 67544	HOFFMEISTER R 61305		
HJURTHAUG B 8422	HOCC A J 57177	HOERN E C 67544	HOFFMEYER E 56326	HOKAMA G 11142	
HJURTHOL E 2901 30447	HOCC A J 56747	HOERR C W 107722	HOFFMEYER S 27508	HOKANSON H 11047	
HLADEK L 1057	HOCC A H 60272	HOES J A 365 9057	HOFFNAR B R 1455	HOKANSON J F 3560	
HLADIK V 13025	HOCC D E 62140	HOESER 88738	26788	3586 21966 62422	
HLADKY J 103728	HOCC D E 57175	HOESER K 6996 6997	HOFFPAUR C L 57309	83013 104832	
HLADKY V 104754	HOCC D E 57175	HOEVE J A 25180	HOFFSOMMER A 105007		
HLAVACEK J 46984 46985	HOCC J E 60101	HOEY A 103994	HOI A A 65058 65059	HOKANSON J R 97553	
HLAVEK R 60101	HOCC M S 69539	HOEY A 103994	HOIREK B 13028	HOKA G P 45795	
HLIBOWICKI R 20974	HOCC W H 87960	HOEY A 103994	HOJER K 76984 87961	HOKA K E 25934	
HLIDAR S E 57346	HOCCENS N 104942	HOEY A 103994	HOJER K 76984 87961	HOLAD D S 40784	
HLISNIKOVSKY J 63932	HOCCENS N W 104943	HOEY A 103994	HOJER K 76984 87961	HOLAHAN J L 25559	
83843 94877	HOCCES C F 27363	HOEY A 103994	HOJER K 76984 87961	HOLAND T 98643	
	HOCCES C F 27363	HOEY A 103994	HOJER K 76984 87961	HOLBECH J A 1803	
HLUCHOVSKY B 9440	HOCCES C F 9143 36993	HOEY A 103994	HOJER K 76984 87961	49091	
HLYNKA I 25754 85894	HOCCES D J 59190	HOEY A 103994	HOJER K 76984 87961	HOLBROOK A A 63500	
HO C L 95439	HOCCES E F 75015	HOEY A 103994	HOJER K 76984 87961	HOLBROOK J A 104219	
HO C T 105404	HOCCES E M 1604 39518	HOEY A 103994	HOJER K 76984 87961	HOLBROOK S 76725	
HO H 28298 97941	62128 70124 92321	HOEY A 103994	HOJER K 76984 87961	HOLCH O 64340	
HO H P 101956	HOCCES F A 26005	HOEY A 103994	HOJER K 76984 87961	HOLCK A 57101	
HO H W 100475	HOCCES G 102858	HOEY A 103994	HOJER K 76984 87961	HOLCK S 21852	
HO K G 3074	HOCCES H C 22250	HOEY A 103994	HOJER K 76984 87961	HOLCOMB C J 53762	
HO K M 95132	HOCCES H F 38755 42648	HOEY A 103994	HOJER K 76984 87961	67040 91261	
HO L H 91201	HOCCES J 3757 16182	HOEY A 103994	HOJER K 76984 87961	HOLCOMB G E 47454	
HO P H 88998	62064 76406	HOEY A 103994	HOJER K 76984 87961	HOLCOMB J M 26791	
HO S 99901	HOCCES L 27218 107960	HOEY A 103994	HOJER K 76984 87961	108097	
HO S S 34808	HOCCES L H 66003	HOEY A 103994	HOJER K 76984 87961	HOLCOMB L 52066 52067	
HO T 641	HOCCES R 78969 97212	HOEY A 103994	HOJER K 76984 87961	92841	
HO T Y 91088	HOCCES R E 16385 74382	HOEY A 103994	HOJER K 76984 87961	HOLD A S 2818 108098	
HO Y 106286	76858	HOEY A 103994	HOJER K 76984 87961	HOLDAS S 21769 108496	
HO Y H 50572	HOCCES R W 33402 95440	HOEY A 103994	HOJER K 76984 87961	HOLDAWAY F G 9802	
HOA 17491	HOCCES T K 18935 38130	HOEY A 103994	HOJER K 76984 87961	52892	
HOADLEY A D 6881	38131 68826 100464	HOEY A 103994	HOJER K 76984 87961	HOLDEN E R 89488	
HOADLEY R B 30614	HOCCES T O 6758	HOEY A 103994	HOJER K 76984 87961	HOLDEN J T 59081	
	HOCCINS J W 21717	HOEY A 103994	HOJER K 76984 87961	HOLDEN L 57817	
HOAG D G 46935	HOCCMAN D 3917 31637	HOEY A 103994	HOJER K 76984 87961	HOLDEN T F 65060	
HOAG E 90510	HOCCMAN S F J 52054	HOEY A 103994	HOJER K 76984 87961	HOLDER F W 74203	
HOAGE T R 105437 105438	51134	HOEY A 103994	HOJER K 76984 87961	HOLDER J M 52394	
HOAGLAND J M 22910	HOCCMAN A 101307	HOEY A 103994	HOJER K 76984 87961	93614 104665	
	HOCCMAN D 31637	HOEY A 103994	HOJER K 76984 87961	25181 75152	
HOAR L E 22911	HOCCMAN J 30914	HOEY A 103994	HOJER K 76984 87961	85594	
HOARD B 30665	HOCCMAN A D 101307	HOEY A 103994	HOJER K 76984 87961	HOLDER-EGGER K 96778	
HOARE P A 15959	HOCCMAN C J 33466	HOEY A 103994	HOJER K 76984 87961	HOLDERNES J 75403	
HOBBART S G 30152 50529	HOCCMAN D R 20573	HOEY A 103994	HOJER K 76984 87961	HOLDRIDGE L R 58191	
HOBBIGER A 54112	HOCCMAN E 14627	HOEY A 103994	HOJER K 76984 87961	HOLDSDRORTH E S 82812	
HOBBIN W J 74770	HOCCMAN E A 99012	HOEY A 103994	HOJER K 76984 87961	82816	
HOBBLE D 15364	HOCCMAN E S 84190	HOEY A 103994	HOJER K 76984 87961	1016	
HOBS B C 43920 43949	HOCCMAN G C 7360	HOEY A 103994	HOJER K 76984 87961	68829	
	HOCCMAN G L 39473	HOEY A 103994	HOJER K 76984 87961	HOLDSWORTH M 16956	
HOBS C D 64830	HOCCMAN H J 79809	HOEY A 103994	HOJER K 76984 87961	HOLDSWORTH R P 42682	
HOBS C S 68148	HOCCMAN J 58262	HOEY A 103994	HOJER K 76984 87961	90392 94292	
HOBS D J 71899	HOCCMAN J F 78523	HOEY A 103994	HOJER K 76984 87961	HOLE E 87164 87180	
HOBS E H 1013 50078	20432 39714 11301	HOEY A 103994	HOJER K 76984 87961	HOLE F D 29593 80151	
	HOCCMAN J M 2061	HOEY A 103994	HOJER K 76984 87961	80185 90932	
HOBS E L 363 77723	49439 64527 78524	HOEY A 103994	HOJER K 76984 87961	HOLE N H 71734	
HOBS G A 14305 93971	101511	HOEY A 103994	HOJER K 76984 87961	HOLEC J 106963	
		HOEY A 103994	HOJER K 76984 87961	HOLECEK J 26544	
		HOEY A 103994	HOJER K 76984 87961	HOLEKAMP J 51061	
		HOEY A 103994	HOJER K 76984 87961	HOLEKAMP J A 81303	



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM		
HOLEVAS C D	17951	HOLM S N	13938	33340	HOLT L A	75110	HONIG P	26273	55867	HOPE R P	80972
	18866	HOLM W		103730	HOLT R F	27955	HONIGBERG B M	62911	62911	HOPE T	39003
HOLEVAS C S	89409	HOLM-HANSEN O		9803	HOLTAM B W	61391	HONJO H	31324	31621	HOPEN H J	58667
HOLFELDER E	69743		38562	48142	HOLTAPPELS H	41034	HONJO Y	60251	60252	HOPF H J	12607
HOLGATE J	17518	HOLM-HENSEN O		30562	HOLTE W	88598	HONJYO K		18973	HOPF K H	12618
HOLGUIN L	49202	HOLMA G		8384	HOLTEN J R	95112	HONKANEN E	5779	24367	HOPF L	25644
HOLIENKA J	79138	HOLMAN J		95195	HOLTENIER P	22196		48561	59709	44898	55286
HOLIFIELD E L	49430	HOLMAN L E		34878	HOLTER J B	13693	HONL E C		32942	75405	85958
	90653	HOLMAN L J		14466		22201	HONMA S	29057	37855		94436
HOLIK J S	56816	HOLMAN R T		27302	HOLTERMAN G	4951		58407	99554	100052	87652
HOLINGSWORTH J P	83155	HOLMAN W I M		5981		94526				101404	106203
HOLITSCHKE H	43624	HOLMBERG L	33096	67310	HOLTERMAND A	64831	HONORE E N		70109	HOPKINS A C	50267
43756 43758	43864	HOLMBERG O	32182	63025	HOLTERMANN K	12311	HONOUE T		63797	HOPKINS A W	87432
	95989			72745	HOLTMAN D F	62912	HONOWSKI J		91578	HOPKINS B	2793
HOLJE H	27001	HOLME D W	4553	22913	HOLTAN C S	18198	HONRADO P A		67041	HOPKINS C A	31921
HOLJEWILKEN H	40210			26905	HOLTAN R W	10208	HONSEL J		107149		31946
HOLKAMP A	45464	HOLME J	7059	7060	HOLTUM R E	26862	HONSEL P VAN		10577	HOPKINS C D	20852
HOLKE R	35887	HOLMEN H	80569	91544		49203		10578	10928	HOPKINS C R	43210
93909 95988	108519	HOLMEN K		27520	HOLTWICK C B	5778		28897	37071	HOPKINS C Y	53167
HOLKER J S E	59006	HOLMENLUND N P		29055	HOLTZEL C	7279		43449	43450		55578
HOLKESVIK R	34380			29056	HOLTZMANN O V	498		65557	66492	HOPKINS D	53043
HOLL C	103454	HOLMER N	31094	51749		9221	27307	27364		96823	73646
		HOLMES A C		66344	HOLUB A		42249			107278	74051
HOLLAND A A		HOLMES B		104271	HOLUB M		89840	HONSELL E	47746	78133	2366
HOLLAND A H		HOLMES C R		3587	HOLUBCIK M	2693	30209		78526	89841	52189
	20129	HOLMES D D		103992	HOLUBOWICZ T		27257	HONYA K		28467	72623
HOLLAND D A	1944	HOLMES E L		84922	HOLUBOVSKY I M		78525	HOO C C		23134	102788
23059 29230	80568	HOLMES E S	2629	43595	HOLUBUM K		80570	HOO C F S		5518	73891
HOLLAND E T	74974	HOLMES F		79582	HOLY L		3588	HOOD A E M		50198	61029
HOLLAND G P	43358	HOLMES F O	1017	32940	HOLYNSKA M		68830	HOOD J G		61777	18139
HOLLAND J G	98282		32941	105439	HOLZ		61315	HOOD J T		78527	99375
HOLLAND J J	18301	HOLMES G D	61017	61069	HOLZ A		25805	HOOD K	7860	66627	15797
HOLLAND J P	22627			61109	HOLZ A E	36220	36221			86196	104602
HOLLAND J T	52822	HOLMES H M		39432	HOLZ I		95498	HOOD K J		89493	23143
HOLLAND L	12807	HOLMES J C		11522	HOLZ J		56817	HOOF H A VAN		9058	40730
HOLLAND R F	13012	HOLMES J H		71486	HOLZ W	39478	70108		23202	37444	71423
15710 34427	44360	HOLMES J J		71697			79812			88913	29231
54501 62062	62236	HOLMES J L	47106	60398	HOLZAPFEL A		74826	HOOFNAGLE W S		34039	38139
	85391	HOLMES J W H		72204			74948	HOOF WELVAARS		76773	13646
HOLLAND R L	34058			72205	HOLZAPFEL C M		121	MRS M J T			44323
HOLLANDBECK R	13806	HOLMES M R J		20624	HOLZAPFEL R		37245	HOOF WELVAARS		76773	14023
HOLLANDER P A DEN	99598		20625	91068	HOLZBERGER J		7859	MRS M J T			97970
HOLLANDS H F	55039	HOLMES N D	23789	63553	HOLZBERGERIN J W		63756	HOOG G T OPT		59625	10290
HOLLARD M G	44254	HOLMES O W		108409			73376	HOOGENDOORN N		5783	28379
	96350	HOLMES P K		9718	HOLZENTHAL L L		26041		15041	43598	86467
HOLLDÖBLER B	95318	HOLMES R A		22424	HOLZER K	15409	71244			86723	6710
HOLLE M	90511	HOLMES R G		91245		102663	102664	HOOGENHOUT H		642	65396
HOLLENBECK C M	64874	HOLMES R M	1018	2107	HOLZER R H		108562	HOOGERLAND P		45568	67142
	86219	HOLMES R R		102965	HOLZER W F		41008	HOOGERS B J		79813	60970
HOLLENDER H A	6190	HOLMES T D		37244	HOLZINGER O		76144	HOOGHIEMSTRA E		56423	37830
HOLLENSEN R H	17835	HOLMES W	3420	9782	HOLZ J		74320	HOOGLAND P		59710	58264
HOLLER H	72839		20704	61646	HOLZLEHNER W		45322	HOOGLAND R F		37697	75547
	81775			89332	HOLZRICHTER A		41822			48144	75548
HOLLER P	65484	HOLMES W A		79906	HOLZSCHUH W		30794	HOOGSCHAGEN P		41827	85209
HOLLERER	64305	HOLMES W B		4168		30830	31183		92119	97177	97504
HOLLERMAN M S	17137	HOLMGAARD G		20009		31185	31198	HOOGSTRA S J		36465	99376
HOLLEWELL H	97106	HOLMGREN A		21187		32345	32365	HOOGSTRAAL H		4720	61778
HOLLEY A	23558	HOLMGREN A H		17975		32367	32413		4721	5085	96281
HOLLEY W D	38097	HOLMGREN P		27831		33851	35538		5087	5112	55154
HOLLIDAY J W	73936	HOLMOY R	64411	74058		92496	103103		14022	14447	106125
HOLLIDAY P	88739	HOLMQUIST O		27118	HOLZWORTH J		13261		33052	33057	66879
HOLLIDAY R	70549	HOLMQUIST A H		67708	HOMAN F D		87261	HOOPER A J		6370	7201
HOLLIDAY R	20573	HOLMQUIST N		53928	HOMAN R		23612	HOOKER A A		85956	24368
	74050			76408	HOMAYOUN D		76488	HOOKER A L	8928	9579	66786
HOLLIGER A	21770	HOLMSEN T W		59007	HOMB T		31519			68145	63934
HOLLING C S	63823	HOLMSEN T W		48143		41719	42250	HOOKER W J	58464	100053	94880
HOLLINGS M	18310	HOLMSTROM C		71243		82127	82925	HOOKS J A	1020	1649	15984
47503 58075	99599	HOLMSTROM S		21559		82928	103105	HOOKE V N		106698	107244
HOLLINGSWORTH D F	27285			4442	HOMES M V		18948	HOOPEN H J G TEN		86068	59233
HOLLINGSWORTH J P	42986	HOLMYARD C E		56422			38136	HOOPER D J		27374	88052
HOLLIS B	74480	HOLNESS D E		57178	HOMER B	30045	88912	HOOPER J F		56424	71926
HOLLIS D	105725	HOLNOUT M		22966	HOMMA S	1098	1099	HOOPER P I		52244	81987
HOLLIS J H	83845	HOLNOUT M H		79055	HOMME H A	52133	101815	HOOPER W E R		37510	67556
HOLLIS J P	68319	HOLNOUT V		88498	HOMMOND J C		34293	HOOPER K H		82957	15191
HOLLIS R	57572	HOLNOUT V		15669	HOMOLA A D		38138	HOOPER L N		85344	106307
HOLLIS W P	103010	HOLNOUT V		65134	HOMONNAY F	20267	23060	HOOPER W I		15120	47328
HOLLISTER C J	52297	HOLUPAINEN P		30101		49442	63554	HOOPER GARNER R		53484	17912
	82163		65133	65134	HOMUTESCHU V		68831	HOORENS J	13848	31626	104666
HOLLISTER K W	72641	HOLUPAINEN V		70971	HOMUTESCU V		70550			83084	30438
HOLLMIG T	60736		51018	30672	HON L Y		91676	HOORNWEG J	7937	26906	97683
HOLLMIG T G	54606	HOLOTA J		83746	HON L Y		43553		26907	26908	102996
HOLLMULLER W	28277	HOLOUBEK K	23523	107471	HONAMI N		65123		26910	26911	58617
HOLLO F	30916	HOLOUS Z		69366	HONAN J E		6998		66916	76409	59512
63272 83014	87962	HOLOVASKY J		2891	HONAN N D		5519		24419	25384	2598
HOLLO J	74500	HOLOWACZ J		90877	HONCH G		6998		44536	44720	58145
	106567	HOLOWAYCHUK N		39532	HONCZARENKO G		43597		84864	106617	76221
HOLLON B F	72203	HOLROYD J	38135	79811			80316	HOOS S S		84865	18559
HOLLON D S	107261		39533	7361	HONCZARENKO J		23510	HOOS W		67552	29496
HOLLOWAY B A	14525	HOLROYD P H		93090	HONDA H	40935	58263	HOOVER C A		80317	36994
	53256		43759	60308	HONDA K		1123	HOOVER D		35348	105008
HOLLOWAY C W	61254	HOLSCHER C E		100584			37571	HOOVER D L		14526	51911
HOLLOWAY J K	42393	HOLSHING G C		65055			100669	HOOVER E D		34059	66999
	42403	HOLST		82319	HONDA M		4384	HOOVER H		40729	78160
HOLLOWAY J T	39881	HOLST E M		47274	HONDA O		18949	HOOVER M		48782	92451
49867 49901	102660	HOLST M	30377	102661	HONDA T		33797	HOOVER M D		39882	91225
HOLLOWAY R C	72548			102662	HONDELMANN W		1019	HOOVER M M		48906	106364
HOLLOWAY R I C	38133	HOLST P L		105976			49112	HOOVER N K		16624	537
	39475	HOLST W		65188	HONDRO N		43263	HOOVER R F		77350	4722
HOLLOWAY S L	46921	HOLST-KNUDSEN O		85357	HONE H		109135	HOOVER S R		25804	53777
HOLLOWELL E A	58418	HOLSTEN R D		28387	HONEGGER D		60722	HOOVER W J		6028	32253
HOLLSTEIN U	38549	HOLSTEN R D		61070	HONEGGER E	54819	65286	HOODMAN C J J		1945	19329
HOLLSTEIN G	96543	HOLSTENER		50786			62250			1946	55617
HOLLY K	38134	JORGENSEN H		70469	HONER M R		2743	HOPE A B	48084	48137	89842
	100251			71136	HONER T G		60864			99883	29059
HOLLYWOOD J	55866	HOLSTUN J T		15234	HONEY P M		90411	HOPE C R		46376	23061
	66210		33692	39477	HONEYCUTT W M		52780	HOPE E J		60031	38176
HOLM A	83782		49441	59945	HONEYSETT J L		100088	HOPE E W		11261	40758
HOLM A R	67619		74141	79837			100363	HOPE G W		55080	88324
HOLM H	2762	HOLT A S		1351			76609		100162	107298	58402
	76143	HOLT C		27054	HONG C		100617	HOPE J	56579	93910	59711
HOLM H M	56285	HOLT E C	9578	18947	HONG S W		166	HOPE J E		7794	72858
HOLM J G	8447		28630	48444	HONG W H		100619	HOPE P M		52482	72990
HOLM L	3576	HOLT F E		60863	HONG W S		8839	HOPE R	48839	97803	73458
	100339	HOLT J E		55901	HONGO T	208	87870				94600
HOLM L G	89466	HOLT L		21128	HONGSLO T						100655

HORIHATA S		ITEM	33677	HORTOBAGYI T-CONT		ITEM	89490	HOTOPELEANU I		ITEM	71473	HOWARD F L		ITEM	57864	99264	HRABETOVA E		ITEM	1024
HURII Z			100685				89491	HOTOPSON R P			16579	HOWARD F W				55163				46751
HORIKAWA H	65005		103050	HORTOG C DEN			88999	HOTTA T			46858	HOWARD G A	7281		35168		HRABOVECKY I			105009
HORIKAWA Y	20433		67835	HORTON A A	18791		19235	HOTTA Y	27624		38563				85114		HRADIL M			63274
HORIKIRI J	22696		35217	HORTON D B			74052	HOTTENROTH R			54304	HOWARD G E		7282	8840		HRADSKY M	83972		95061
HORIKIRI M	32045		66793	HORTON F F			37978				54305				17370	107698	HRANKOWSKI H			8237
			97356	HORTON J S			81119	HOTTENSTEIN W L			90412	HOWARD G S		21282	40718					54420
HORIKO S			28644	HORTON K W	12167		50787	HOTTES F C	64107		95196	HOWARD H A			88135		HRASKO J			90790
HORIKOSHI H			35769				81195				95197	HOWARD H D			7283		HRASTNIG A			15008
HORIMOTO S			97064	HORTON L E			28645	HOTTEL D			83156	HOWARD H H			1023		HRDLICKA J	25861		26047
HORIN Y			98283	HORTON O H	62099		103558	HOU D	57573		57574	HOWARD H W	69971		69972					65705
HORIO F			35770	HORTON-SMITH C			31922	HOU H C			108410	HOWARD J D	27219		108841		HRDY I			4952
HORIO T			78970	HORVAT I	8443		87917	HOU K W			55565	HOWARD J W			24369		HREVUS R			41523
HORIOKA K	19331		40947				109070	HOU T C			105404	HOWARD M S		5934	5935		HRISHI N			100054
	40937		81464	HORVATH D J			22901	HOUBA A			21188			5936	5937		HRISHI N J			9480
			88011	HORVATH E			72206	HOUCK J P	7280		65397	HOWARD MRS O			36468		HRIVNAK J			62278
HORIUCHI T	72530		93267	HORVATH GY	12568		49321				75695	HOWARD N M			65036		HRNCIAR G			60505
HORIUCHI Y	23493		83690		61739		72974	HOUDA J			77540	HOWARD P J			10876		HRODZINSKYI A M			48150
	83691		83710	HORVATH I	18908		48145	HOUDET B			82210	HOWARD R A	17371		17519		HRDMADOVA Z			59029
			83711	HORVATH J	806		9220	HOUDINIERE A			12768			17520	39603	46797	HRDMATKA O			15530
HORLEIN G	29340		49488		15292	37698	43691				22955				57575	77175	HRSEL I	58265		99601
HORLICK J			49204		58076	88870	88871	HOUGAN M C			33546	HOWARD S			29914		HRUBESOVA H			95248
HORLINE O L			44993				100830	HOUGAS R W	17342		78256	HOWARD W E			99766		HRUBY J			66493
HORMANN F	43451		56178	HORVATH J MRS			65287		99965	100077		HOWARDS M S			33888		HRUBY K	644		48151
HORMANN H	45014		88443	HORVATH L	5738		33798	HOUGEN A D			24946	HOWARTH J A			13827					98592
HORN A			3371		53642	61122	68029	HOUGEN V H			56990				63275		HRUDKA F	71928		103456
HORN A G			62440	HORVATH M		74130	95722	HOUGH L			10209				67709		HRUSCHKA E			108805
	21402		61458	HORVATH MRS L I			21119	HOUGH L F	39102		39113	HOWARTH W O			33097		HRUSCHKA F VON			27456
HORN A S			71487	HORVATH S	28898		59844		49072	69731		HOWDEN J W			44461		HRUSCHKA H W			6837
	1722		20207		99182	102085	106269	HOUGH R F			25183				103236		HRUSKA K			12811
			49113	HORVATH Z	13030		31573	HOUGH W S	14185		32826	HOWE D L			82211		HRUSKA L	20131		79138
HORN A VON			64832		52599	63273	83015				63619	HOWE E C	52790		92452		HRUTFIORD B F			91725
HORN D H S	71513		71514	HORVATH Z K			15293	HOUGHABOOM V			97642	HOWE G L			21853		HRUZIK L	30102		40499
HORN D L			60614	HORVATHIC S			57443	HOUGHABOOM V R			66883	HOWE G R	71927		103689		HRZYCK B	92120		92637
HORN G C			273	HORVATOVICOVA-HA-			9853	HOUGHAM D F			13446				103731		HRYN A L			73940
HORN K			45569	SPELOVA A				HOUGHLAND G V C			17328	HOWE H B	78283		99902		HRYNCEWICZ Z			2599
HORN N L	20155		99377				81713				28338	HOWE J P			61347		HRYSIAK R			53069
HORN P			9219	HORVAY M S			45793	HOUGHTON G	43319		84191	HOWE R G			60733		HSABRYGIN P I			90994
HORN R A			61459	HORVITZ D G			83250				94643	HOWE R R			4387		HSI C F			90981
HORN T			38140	HORWITZ A			85313	HOULE C O	46151		56818	HOWE R W	4882		14224		HSI D C H	79167		99416
HORN W	9580		15192	HORWITZ W			88359	HOULE F			41278				14239		HSI I C			99903
HORNBECK B M			107150	HORWOOD F K			59465	HOULTON M R			34534	HOWE T G			67143		HSI L C			108604
			107183	HORYNOVA A			30917	HOULTON T R			42109	HOWE V K	2819		99088		HSI T P			1064
HORNBECK J W			49924	HORZINEK M			28968	HOUP T R			74949	HOWE W L			23204		HSI Y T			18610
			80571	HOSAKA H	20010		59769	HOURLAN G A	44361		39731	HOWELER-COY J F			34807		HSI-LIN K			93972
HORNBERG P			75019	HOSAKA S	35248		97363	HOURLIGAN W R			108913	HOWELL D	33157		33351		HSIA C A			100252
HORNE B S	15155		99378	HOSAKA Y	53098		92466				66629	HOWELL D E			105102		HSIA C C			66794
HORNE C W	17976		77418	HOSEGOOD P H			48146	HOUSE A E			45802	HOWELL D M			100618		HSIA C C			70728
HORNE D			8929		49619	50208	78695	HOUSE A K			98284	HOWELL H A			30690		HSIA C C			90096
HORNE H R S J			34562		79906	79936	80240	HOUSE B			73638	HOWELL H B			8525		HSIA C Y			103011
HORNE M K	25182		75100				80983	HOUSE H L			42573	HOWELL H W			13263		HSIA P Y	94527		105726
	44460		24251	HOSEK E			2853	HOUSE V S			103651	HOWELL J			22588		HSIA T C	90097		101958
HORNE N			82520	HOSEK J J			103993	HOUSE W B			45440	HOWELL J M	22316		32159		HSIA T S			105978
			62505	HOSEL W			13775	HOUSEMAN E E			57404				41769		HSIA W P			46152
HORNE R D	22343		12619	HOSELITZ B F			7594				39479	HOWELL J T	41769		52072		HSIA Y F			99379
HORNE R W			503	HOSENEY F V			36636	HOUSER A			27494		17698		17699		HSIANG C C			64858
HORNER C E	9059		88740	HOSER S	72932		82927	HOUSER H H			9184				46860		HSIANG T			53643
			88799	HOSFORD R M			77703	HOUSTON B R			60632	HOWELL P G			31676		HSIANG W			5581
HORNER E S			18722	HOSHAKU H			43566	HOUSTON C			2536	HOWELL P J			27150		HSIANG Y M			103030
HORNER H T			643	HOSHI T	40798		40926	HOUSTON C E			80572	HOWELL R S			30435		HSIANG Y W			49550
HORNER J E			62431		40926	89274			50268		34879	HOWELL R W			48148		HSIAD C			5262
HORNER J T			86724	HOSHIDE S			81430	HOUSTON D F			44978	HOWELLS S V			78246		HSIAD C J			90221
HORNEY F D			82434	HOSHII H	13475		13476				366				6470		HSIAD C T			31042
HORNG W H			27385	HOSHINO N			97876	HOUSTON D R			366	HOWER A S			53466		HSIAD K Y	106532		106533
HORNICK L			109078	HOSHINO E			97876				48147	HOWER R K			107474		HSIAD P H			104847
HORNICKE H			81776	HOSHINO S			51521	HOUSTON G	25903		34060	HOWES C E	22667		32108		HSIAD T Y	90005		95198
HORNIG E O			52705	HOSHINO T			19186				54168									



ITEM		ITEM		ITEM		ITEM		ITEM	
HSU W F	43880	HUBER B	--CONT	27495	HUFF C G	106082	HUISMAN L H	--CONT	33850
HSU Y F	105829	77176	91769	100254	HUFF H	7299	43760	43761	84393
HSU Y P	27956	HUBER D	3590	3591	HUFF J W	18301	58077	106420	106421
HSUCHENG K Y	75917			3743	103692	103693			87268
HSUEH C H	76147	HUBER D A	41516	54747		103720	HUISMAN W		106215
HSUEH J H	101163			62120	HUFF R L	32165	HUIZER G		17025
HSUEH K Y	40212	40213	HUBER E	88057	HUFFAKER C B	32608	HUKE D W		45263
HSUEH M C	54275	54275	HURER E B	85840	HUFFAKER R C	48312	HUKE M		38624
HSUEH N	66630		HUBER F	64256		77752	HUKILL W V	5657	43832
HSUEH Y K	89495			105515	HUFFINE W W	48444		55778	
HTA H	57930	HUBER H	19898	55287		48841	HUKUHARA T	23482	32975
HU C H	28468			98904	HUFFMAN C F	22076		94598	
	99679			2922		51750	HUKUSIMA S	32827	32828
HU C L	69479	HUBER H A		49322	HUFFMAN D C	87006		33442	105830
HU E W	97586	HUBER J		83157		87007	HULBERT L C		78023
HU F C	66386	HUBER J J		54631	HUFFMAN D M	78134	HULBERT W C		64430
HU H P	100496	HUBER J L	* 41517	85381	HUFFMAN J B	30539	HULDER R V		43993
HU H T	102319	HUBER J T		21869	HUFFMAN R E	86571	HULET C V		82746
HU J C	105498	HUBER L		11064	HUFFMAN W J	60783	HULETT B J		42038
HU L C	45465	HUBER M G		25645		60784	HULETT D J L		53747
HU P F	79091	HUBER M M		109066	HUFNAGL H	80763	HULEWICZ D		38145
HU S	37699	HUBER W		103733	HUGE T L	91518	HULEWICZ T		76610
HU S Y	10765	HUBER-MORATH A		26830	24457	15437	HULISASHVILI V Z		81002
HU T H	101076	98905	98906	98907	HUGE W E	84922	HULISZ J		81536
HU W W L	8676	HUBER-PESTALOZZI	109114		HUGEL M F	48562	HULISZ S		81536
	103047	G			HUGENTOBLE H	73358	HULL A C	1590	20659
HU Y C	100156	HUBERT A A	4723	5089	HUGER A	83846			27960
HU Y H	2717	HUBERT E G		52438	HUGANS J L	43320	HULL D		33749
HU Y S	99905	HUBERT K		27365	HUGGART R L	42988	HULL D L		63824
HU Y T	95037		68030	88002	65442	65447	HULL D O	5640	5855
HU-PAD Y	59280	HUBERT M		102576	HUGGINS A K	65541	24199	43779	43790
HUA H N	100880	HUBERT P	70635	101855	HUGGINS E A	27622	53636	53679	84605
HUA K C	106204			101856	HUGGINS G	17373	HULL G F		79583
HUA P P	107355	HUBL E	68833	78022	HUGGINS H C	104283	HULL H M		67750
HUA-MIN	12322	HUBL H		56528	14873	17373	HULL J	1768	47109
HUANG C	65864	HUBL J		26792		43273	50269	57836	70110
HUANG C C	37906	40214	HUBLER K H	56748	HUGGINS L F	43274	HULL J L	52401	63048
		100880	HUBNER B	15782	HUGH L	15011			63048
HUANG C F	70728	70728	HUBNER G	41668	HUGHES A M	15011	HULL P		82534
HUANG C H	94606			100255	HUGHES A P	38144	HULL R	37446	37447
HUANG C K	102814	HUBNER H	41668	85405		9807	47222	63555	77903
HUANG C L	95631	HUBNER J		95436	HUGHES B D	78530			88872
HUANG C P	64802	HUBNER R	5854	59341	HUGHES B G	71137	HULL R A		104108
HUANG C W	50719		59564	59816	HUGHES B J	16372	HULL T G		61779
	100253	HUBRIG T		4169	HUGHES C	24522	HULLAND E D		84799
HUANG C Y	2694	HUC C		42220	48783	48784	HULLAND T J		63276
HUANG F S	94984	HUCLETTE M		24370	HUGHES C G	47108		82379	93833
HUANG F T	51051	HUCK R A	13827	63275		47108	HULLEN E	79669	87964
HUANG F Y Y	85293			81777	HUGHES D	66211	HULLINGER C H		54132
HUANG H	27957	HUCKINS R K		49205	HUGHES D H	92188	HULME A C	1352	45563
HUANG H H	12245	HUCKNALL J A		2472	HUGHES D L	69221	59008	59019	69222
HUANG I Y	96806	HUCTWITH J		45221	HUGHES D R	104848			92222
HUANG J C	104573	HUDAULT C		86848	HUGHES E C	92720	HULME A E		19332
HUANG K H	95467	HUDART J E		41613	HUGHES E E	52904	HULOT H	45264	66122
HUANG K T	77725	HUDE W		56819	HUGHES E E	101512	HULPHERS G	81778	78805
HUANG L L	104976	HUDECOVA V		89852	HUGHES E J	2600	HULPOI N		2537
HUANG L W	106081	HUDDLESON I F		62252	HUGHES E L	102378	HULSBOS W C		29899
HUANG P C	9581	HUDDLESTON E B		81588	HUGHES F A	76283			70729
				102880		84303	HULSE F E	66494	85767
HUANG P K	105188	HUDE VON DER		34409	HUGHES G C	4170	HULSEROS J		94731
HUANG P M	11612	HUDEA N		24649	HUGHES G P	16799	HULSHOF T		92638
HUANG R	22490	HUDGINS H R		63532	HUGHES G R	79668	HULSHOFF A J A		32764
HUANG R C	9581			101463	HUGHES H D	59948			73214
HUANG R C C	19276	HUDGINS W R		48616	HUGHES H L	86167	HULSMANN G	37448	47505
HUANG R Y M	25185	HUDIG J W		50611	HUGHES H M	49114	HULTEN M VAN		87008
HUANG S K	102320	HUDMAN D B	22914	82937	HUGHES H V	12624	HULTGREEN J		56933
HUANG S M	71390	HUDON M	23205	64206	HUGHES I W	4903	HULTIN H O		6741
HUANG S S	106050	HUDSON A		33225		20132	HULTNAS C A		61989
HUANG S Y	81465	HUDSON A C		65409	HUGHES J A	41078			71598
HUANG T C	67847	HUDSON B W		72207	HUGHES J C	69310	HULTSCH M		7132
HUANG T H	60773	HUDSON D E	69973	69974	HUGHES J D	101960	HULUGALLE L		6995
HUANG T J	94606	70337	101405	101406	HUGHES J G	10454	HULUTA C	71222	105355
HUANG T M	56992			101407	24289	33930	HUMBERT H	26769	46861
HUANG W H	1056	HUDSON F J		67608	HUGHES J H	29232			77352
HUANG W Y	69333	HUDSON G		52140		59712	HUMBERT R		9808
HUANG Y J	81587	HUDSON G R		82212	HUGHES J P	82214	HUMBERT R P		2409
HUBAC C	18950	HUDSON H J	8841	99089		104036	20660	48152	58671
HUBAC J M	17700	HUDSON J F	6633	15828	HUGHES L E	32681	HUMBOLOTT A VON		8505
HUBAC M	30378	54711	75078	75101	HUGHES L G	22697	BARON		
HUBACEK J	98844		85522	86165	HUGHES M B	37856	HUME A N	59170	79128
HUBACEK V	69787	HUDSON J H		69847	HUGHES N F	36639	HUME C W	30918	92639
HUBALEK K	26544	HUDSON J P	58670	90804	HUGHES R	19653			98432
HUBBARD C A	95632		98749	102171	HUGHES R A	100966	HUME D L	8238	46377
HUBBARD D W	3188	HUDSON J R	6278	6292	HUGHES R B	7567		98285	108842
HUBBARD E S	67574	64958	72208	82213	HUGHES R C	7996	HUME L J		6634
	87983		103734		HUGHES R D	33258	HUME W G		58672
HUBBARD F H	8020	HUDSON N W	11805	60718	HUGHES R G	39480	HUMG M		79139
HUBBARD J E	96993		102087	102275		59949	HUMM H J	8812	88471
	100190	HUDSON P S		77351	HUGHES R H	58559			88472
HUBBARD J R	60824	HUDSON R B	21283	91340	HUGHES R K	104887	HUMMEL J		87974
	106447	HUDSON R L	1850	17372	HUGHES R L	32142	HUMMEL K	78221	107865
HUBBARD J W	26912	HUDSON W	8807	18377	HUGHES W A	68232	HUMMEL-GUMAEILIUS		10542
HUBBARD L	17095	HUDSON W M		51188	HUGHES W F	80573	T		78531
HUBBARD R L	49484	HUDESPEH E B		69498		102172	HUMMER R L		103237
HUBBARD W A	29915	90746	95866	100938	HUGHES-SCHRADER S	23752	HUMML H		57444
	103559	HUEBNER F R		75486	HUGHS L J	25401	HUMPHREY B A		11336
HUBBELING N	37445	HUEBNER R A		104107	HUGHSON R V	96210	HUMPHREY G F		59009
	47504	HUEBNER R J		3532	HUGI H	83398			98945
HUBBELL C H	41220			12622	HUGO H C	100967	HUMPHREY H H		45060
HUBBELL D S	65206	HUECKER D E		85727	HUGO W J	72792	HUMPHREY R R		48842
	38832	HUEG W F		27386	HUGO-BRUNT M	27064	HUMPHREY W A		83490
HUBBELL T H	42866	HUEGIN F		52220	HUGOT E	58669			83491
HUBBEN K	52297	HUEHN W	64468	84482	HUGUENOT R	15184	HUMPHREYS D J		4545
HUBBERT F	72046	HUELIN F E	55071	75315	HUGUET F	78955	HUMPHREYS D L O		39702
	82021	HUEPER W C		12623	HUHNKE W	101408			68834
	82122	HUERTA S		91090	HUHTALA E	62253	HUMPHREYS F		41151
HUBBLE D R	82789	HUERTA S A	18951	27959	HUHTANEN C N	6371			91759
HUBBLE G D	72548		89496	101959		25079	HUMPHREYS G H W		45084
HUBBY J L	80191	HUERTA-CRESPO J		71578	HUI P A	86220			86220
HUBELI H	13535	HUERTAS G A A		9806	HUI W H	91753	HUMPHREYS J R		66287
HUBENSTEINER J	15827	HUET		38986	HUIBERS W	4953	HUMPHREYS M E		17013
HUBER A F	85210	HUET J		58266	HUIJSMAN C A	88914	HUMPHREYS T E		1221
HUBER B	65446	HUET R	1740	1741	HUISMAN H J	6464	HUMPHRIES E C		1025
	19		6882	69975	HUISMAN L H	15295		9809	17521
				85112	15296	15297	HUMPHRIES S G		69132





ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
ILIESCU I 9737	IMELY I 24134	INGRAM C 10769	IONESCU M A--CONT 43208	ISAACS G W 5692	ITEM
ILIESCU L V 24650	IMERLISHVILI T I 27406	INGRAM D L 22195	IONESCU 43209 43275	ISAACS R 48977	
24721 34252 34279	IMERYUK F 32171	INGRAM G 104272	IONESCU MATIU E 58248	ISAACSON A J 18006	
ILIESCU M 80694	IMERYUZ F 54907 104558	INGRAM J 8702 57581	IONESCU N 86850 97727	ISAC G 23338	
ILIESCU V 2465 62063			IONESCU P 20619	ISAC I 19752	
ILIEV I 99184 101113	IMHAUSEN K H 80320	INGRAM J M 70111	IONESCU SISESTI V 60574	ISACSON B 76139 103928	
ILIEV L 9734	IMHOFF E A 56287	INGRAM K W 40788	IONESCU T D 96290	ISACSSON H 76411	
ILIEV P 48158 89502	IMHOFF R K 3813 3834	INGRAM M 7214 45009		ISAEV A 101055	
ILIEV T 30919 31723		64752 97141	IONESCU V 62825	ISAEV A II 26771	
31924 32461	IMMENSCHUH S 52126	INGRAM R H 31219	IONESCU-MATIU E 68459	ISAEV A S 105369	
ILIEVA S D 101609	IMMERGUT E H 71553	INGRAM W R 105189	IONESCU-SISESTI G 39976	ISAEV B 367	
ILIEVSKI V 41787	IMMERS J 107915	INGRASSIA A P 91713		ISAEV B M 10251	
ILIJAS B 93256	IMMING B J 6788 54171	INGUNZA S M A 99692	IONESCU-SISESTI V 1489	ISAEV KH I 2539	
ILIN G S 19334 38568	IMMINK H J 13045 82171	106800 108159	IONGH H DE 82215 103568	ISAEV S G 66267	
ILIN M M 57577 57578	IMOKAWA G 64431 64432	42684 63620	IONICA C 63035 103307	ISAEVA A 68031	
57579 57580 58268	IMOKAWA I 41615	47747 63620	IONICA C 62151	ISAEVA E V 14959 19055	
ILIN S A 66917	IMORI T 90318	105280 99692	IONICIOIU C 9962	ISAEVA F G 38153 48120	
ILIN V D 88110	IMPARATO GARGANO 58677	2318 78973	IONITA C 18823 85676	ISAEVA G YA 75199	
ILINA E D 99907	63405 87655	63405 87655	85676 86208	ISAGAWA Y 33548	
ILINA E YA 99907	IMPE H VAN 87655	27964 27964	86208 93091 93445	66496 72681 87010	
ILINA G M 78136	IMPENS I 9814 27964	27964 27964	93091 93445 93446	93091 93445 93446	
ILINA I S 89000	IMPENS R 77498	16899 55845	93445 93446 93446	93445 93446 93446	
ILINA L D 82814	IMPER A D 16899	55845 55845	93445 93446 93446	93445 93446 93446	
ILINA L G 100823	IMPERO G Y V 55845	55845 55845	93445 93446 93446	93445 93446 93446	
ILINA P R 1556	IMRE J 2763 86221	86222 86222	93445 93446 93446	93445 93446 93446	
ILINSKAYA N B 95447	IMRE L 86221 86222	86222 86222	93445 93446 93446	93445 93446 93446	
ILINSKAYA N L 18851	IMRE M 20854	20854 20854	93445 93446 93446	93445 93446 93446	
ILINSKAYA R D 31326	IMRIE B C 38690	38690 38690	93445 93446 93446	93445 93446 93446	
ILINSKAYA S A 99767	IMRIE F K E 7489	7489 7489	93445 93446 93446	93445 93446 93446	
ILINSKAYA-TSENTI-LOVICH M 9442	IMSENECKI A A 9582	9582 9582	93445 93446 93446	93445 93446 93446	
ILINSKII A A 19879	IMSHENETSKII A A 1353	1353 1353	93445 93446 93446	93445 93446 93446	
69693 90279	69693 90279	90279 90279	93445 93446 93446	93445 93446 93446	
ILINYKH Z G 58757	IMURA S 41119	41119 41119	93445 93446 93446	93445 93446 93446	
ILJIN G S 89846	INA I 74494	74494 74494	93445 93446 93446	93445 93446 93446	
ILKOV D 29715 39975	INABA S 52289	52289 52289	93445 93446 93446	93445 93446 93446	
90244 96288	INABA T 83953 100051	100051 100051	93445 93446 93446	93445 93446 93446	
ILLE H D 39515	INABA U 3190 3594	3594 3594	93445 93446 93446	93445 93446 93446	
ILLERIS S 56286	INABA Y 3595 103738	103738 103738	93445 93446 93446	93445 93446 93446	
ILLES A 103737	INADA K 38569	38569 38569	93445 93446 93446	93445 93446 93446	
ILLES T 56179	INADA S 103996	103996 103996	93445 93446 93446	93445 93446 93446	
ILLGEN K 43994 54170	INADA T 33547	33547 33547	93445 93446 93446	93445 93446 93446	
ILLI J 74335	INAGAKI H 59065	59065 59065	93445 93446 93446	93445 93446 93446	
ILLIES J 14958 43359	INAGUCHI T 92477	92477 92477	93445 93446 93446	93445 93446 93446	
64275 95633	INAL T 92457	92457 92457	93445 93446 93446	93445 93446 93446	
ILLING K 22194	INAM U L HAQ 70290	70290 70290	93445 93446 93446	93445 93446 93446	
ILLMAN W I 27155	INAMDR M I S 80575	80575 80575	93445 93446 93446	93445 93446 93446	
ILLNER F 27002 65956	INAMORI Y 81120	81120 81120	93445 93446 93446	93445 93446 93446	
ILLY E 24651 44180	INAMURA H 38491	38491 38491	93445 93446 93446	93445 93446 93446	
44181 74598	INASCU M 12087	12087 12087	93445 93446 93446	93445 93446 93446	
ILLY G 40604	INASHVILI TS N 57721	57721 57721	93445 93446 93446	93445 93446 93446	
ILLYS G 101611	57722 79483	79483 79483	93445 93446 93446	93445 93446 93446	
ILMETE A 1070	INAYATULLAH 79483	79483 79483	93445 93446 93446	93445 93446 93446	
ILMURZYSKI E 30286	INCH R 101514	101514 101514	93445 93446 93446	93445 93446 93446	
ILNICKA O 78828	INCHO H H 94130	94130 94130	93445 93446 93446	93445 93446 93446	
ILNICKI P 28649 74269	INCZE K 7121 35010	35010 35010	93445 93446 93446	93445 93446 93446	
ILNICKI R D 11016	44998 86233 107600	107600 107600	93445 93446 93446	93445 93446 93446	
27883 29196	INDENKO I F 19760	19760 19760	93445 93446 93446	93445 93446 93446	
29288 55097	59567 52359	52359 52359	93445 93446 93446	93445 93446 93446	
ILSE 46155	INDIRAMMA K 27340	27340 27340	93445 93446 93446	93445 93446 93446	
ILTSLEY P 39215	101409 68838	68838 68838	93445 93446 93446	93445 93446 93446	
ILTABEAEV KH 35772	INDREASH V 68837 103457	103457 103457	93445 93446 93446	93445 93446 93446	
ILTIS H H 36843 88329	INDREBO T 46597	46597 46597	93445 93446 93446	93445 93446 93446	
88329 99908	INDREITEN M 98548	98548 98548	93445 93446 93446	93445 93446 93446	
ILTIS J 78284	49443 58269	58269 58269	93445 93446 93446	93445 93446 93446	
ILVESSALO M 21061	INDYK H W 49206 49443	49443 49443	93445 93446 93446	93445 93446 93446	
50657 21108	INFANGER A M 58269	58269 58269	93445 93446 93446	93445 93446 93446	
ILVESSALO Y 60905	INFANTES-VERA J G 36839	36839 36839	93445 93446 93446	93445 93446 93446	
90921 1402	ING B 88521	88521 88521	93445 93446 93446	93445 93446 93446	
ILYALETIDINOV A N 1402	INGALLS D G 108640	108640 108640	93445 93446 93446	93445 93446 93446	
ILYAS M 53331	INGALLS J E 81933	81933 81933	93445 93446 93446	93445 93446 93446	
ILYASHENKO L YA 95038	INGALLS J R 22076	22076 22076	93445 93446 93446	93445 93446 93446	
97140 32902	INGALLS R A 7413	7413 7413	93445 93446 93446	93445 93446 93446	
ILYASHENKO M 32902	INGALSBE D W 6883	6883 6883	93445 93446 93446	93445 93446 93446	
ILYIN S 86726	INGE-VECHTOMOV S 100055	100055 100055	93445 93446 93446	93445 93446 93446	
ILYUSHIN V 15832			93445 93446 93446	93445 93446 93446	
IMADA T 65005	INGEB-RETSEN K 101998	101998 101998	93445 93446 93446	93445 93446 93446	
IMAGAWA H 6321 74662	INGEBRITSEN H L 109084	109084 109084	93445 93446 93446	93445 93446 93446	
17854 67919	INGERSENT K A 60618	60618 60618	93445 93446 93446	93445 93446 93446	
IMAHORI K 88474	91263 17701	17701 17701	93445 93446 93446	93445 93446 93446	
IMAI A 41471	INGERSLEV L 98908 98909	98909 98909	93445 93446 93446	93445 93446 93446	
IMAI J 40366	93563 38149	38149 38149	93445 93446 93446	93445 93446 93446	
IMAI M 96757 99090	INGERSOLL J M 93563	93563 93563	93445 93446 93446	93445 93446 93446	
IMAI N 107151	INGESTAD T 12056 48160	48160 48160	93445 93446 93446	93445 93446 93446	
IMAI R 35081	38150 17246	17246 17246	93445 93446 93446	93445 93446 93446	
IMAI S 28334 34882	INGHAM C O 14809	14809 14809	93445 93446 93446	93445 93446 93446	
37177 87009	INGHAM J 44469	44469 44469	93445 93446 93446	93445 93446 93446	
IMAI S 87009	INGHAM S U S 10565	10565 10565	93445 93446 93446	93445 93446 93446	
IMAIZUMI K 40958 91686	INGHILESI E 26017	26017 26017	93445 93446 93446	93445 93446 93446	
91686 91967	43926 10210	10210 10210	93445 93446 93446	93445 93446 93446	
IMAKAWA S 58848	INGLE G W 43926	43926 43926	93445 93446 93446	93445 93446 93446	
IMAKI I 35329	INGLE J 10210	10210 10210	93445 93446 93446	93445 93446 93446	
IMAM A 37907	INGLE T R 54132	54132 54132	93445 93446 93446	93445 93446 93446	
IMAM S M 100622 102717	INGLES D L 106641	106641 106641	93445 93446 93446	93445 93446 93446	
IMAM Z E 93656	INGLETON J F 107356	107356 107356	93445 93446 93446	93445 93446 93446	
IMAMURA B 35251 93444	INGLETON J W 13653	13653 13653	93445 93446 93446	93445 93446 93446	
IMAMURA H 41047	22787 15639	15639 15639	93445 93446 93446	93445 93446 93446	
IMAMURA S I 68836	INGLETON N 34428 44427	44427 44427	93445 93446 93446	93445 93446 93446	
IMAMURA T 54503 96413	INGLIS A S 85592	85592 85592	93445 93446 93446	93445 93446 93446	
96592 56645	INGLIS E R 8042	8042 8042	93445 93446 93446	93445 93446 93446	
IMANI M 35329	INGLIS J M 13031	13031 13031	93445 93446 93446	93445 93446 93446	
IMANO S 100297 94129	INGLIS J S S 42186	42186 42186	93445 93446 93446	93445 93446 93446	
IMANOV E D 14024	65706 17978	17978 17978	93445 93446 93446	93445 93446 93446	
IMAYASU S 8842	99185 102181	102181 102181	93445 93446 93446	93445 93446 93446	
IMAZEKI R 87437	94373 52439	52439 52439	93445 93446 93446	93445 93446 93446	
94373 102181	103840 24318	24318 24318	93445 93446 93446	93445 93446 93446	
IMBERT A 94373			93445 93446 93446	93445 93446 93446	
IMBERT R 32254			93445 93446 93446	93445 93446 93446	
103840 24318			93445 93446 93446	93445 93446 93446	
IMBS B 24318			93445 93446 93446	93445 93446 93446	

ISHIMARU U	35774	ITO K	--CONT	37247	IVANOVA N A	65972	IWASE K	49207	JACKLIN S W	52856
ISHIMARU Y	56586		37248	60172		67999	IWASHITA M	71537		73284
ISHIMURA Y	28651		65208	67840	IVANOVA N E	1472	IWASHITA Y	5025	JACKMAER A	2393
ISHIN D P	102672		84483	84484	IVANOVA O A	48462	IWATA E	38157	JACKMAN R H	101704
ISHITANI E	43554		87854	88399	IVANOVA P V	73450	IWATA F	38834	JACKORS J A	48811
ISHITOYA Y	42839			99185	IVANOVA R	108413	IWATA H	45093		59324
ISHIWAWA H	14017	ITO M		27904	IVANOVA R M	38799	IWATA K	52936	JACKOWSKI J	61030
ISHIZAKA N	10081		33002	33003	IVANOVA S D	101631		53436	JACKS G V	39635
	38437			81005	IVANOVA T	91094	IWATA N	58410	JACKS H	70840
ISHIZAKA S	105736	ITO R		79169	IVANOVA T M	368	IWATA Y	9064	JACKSON A	2654
ISHIZAKI A	71248	ITO S		3913		38619		47536	JACKSON A A	58522
ISHIZAKI H	84146		17368	27492	IVANOVA T N	69234	IWATARE S	45093	JACKSON B C	75105
ISHIZAKI K	44610		30442	32049	IVANOVA V F	107889	IWATSUKI K	17818	JACKSON B G	45798
ISHIZAKI R	3986			91968	IVANOVIC D	55513		98991		45799
	3988	ITO T		807	IVANOVIC M	55289	IWATSUKI Z	36949	JACKSON B R	59195
ISHIZAKI S	44754		42840	53101		108279	IWAYA H	39296		69435
ISHIZAWA S	101802		73458	76716	IVANOVIC V	23361	IWAYA N	36226	JACKSON C L	54576
ISHIZU I	69858		94588	94599	IVANOVSKAYA E V	9446	IWEMA S	33962	JACKSON C R	47277
ISHIZUKA S	27014		40817			68479		92640		60737
ISHIZUKA Y	2154	ITO Y		4671	IVANOVSKAYA L YU	28335	IWENJORA F O	52968	JACKSON D S	12172
	60619		52116	78024	IVANOVSKAYA T L	27522	IYA K K	6366		91545
ISHKHANDI F V	101114		82446	83956	IVANOVSKII E V	13374		44280	JACKSON E R	25089
ISHMUKHAMEDOVA N	33467		87855	95586		22425		85418	JACKSON F C	62260
ISHUKOV V	35252	ITODA H		67314	IVANOVSKII N P	60402	IYA KK	96548		103997
ISINGS J	54824	ITODA Y		31926	IVANSKAYA E M	27523	IYAMA I	3723	JACKSON G A D	9819
ISKANDAR R L	63754	ITOH H		41998	IVANSKII E P	62319	IYAMA J	9938		78137
ISKANDAROV KH	42685	ITOH M		38158	IVANSKII E F	103796	IYENGAR C V K	18954	JACKSON G C	25358
	83559	ITOH R			IVANTSOV L I	12648	IYENGAR E R R	36970		78977
ISKHAKOV N I	16299	ITOH T		81511		83278	IYENGAR G S	38800	JACKSON G T	29611
	75744	ITOI S		77728	IVANYI A	45969		59281	JACKSON H C	66082
ISLAM A K M N	46958			88745	IVANYUKOV D	5942	IYENGAR M A	1354	JACKSON H A C	88516
ISLAM A S	37857	ITOW S		18434	IVARS L	69303		47748	JACKSON H D	82249
ISLAM M A	20662	ITRIBY A A EL		92104	IVARSON E	57243	IYENGAR M O P	67577		82815
ISLAM M S	56088	ITTEN H		98710	IVARSON K C	60170	IYENGAR N K	10403	JACKSON H O	872
ISLAM N	27220	ITTNER N R		41460	IVARSSON R	5855		35889	JACKSON J	26453
	99382	ITURBE A C		52855	IVASCU V	4812	IYENGAR N V R	55105	JACKSON J B	4749
ISLAM W	20662	ITURBURU C		108646	IVASHCHENKO T S	38901		55115		23178
ISLANOV A	25487	ITZEROTT A G		74862	IVASHCHENKO V	33750	IYENGAR R L N	6598	JACKSON J E	104125
ISLANOV I	80322			85395	IVASHENKO A M	19370		6628		1576
ISLER D A	13940	IURASCU C		2604	IVASHKEVICH T M	49711		34514	JACKSON J K	78404
	63705	IVADY S		39361	IVASHKIN V I	13033		54825	JACKSON J M	15365
ISMAIL I A H	95134	IVAKHNENKO A N		28533	IVENS G W	39482	IYENGAR V K S	95039	JACKSON K A	25166
ISMAIL R M	86288	IVAKHNENKO P S		26102	IVERSEN C E	79296		91531	JACKSON L K	1746
ISMAILUVA I	10251	IVANA G		1982	IVERSEN K	2371	IYER J G	27970		6712
	16299	IVANCHEVA-GABROV-SKA T		47058		11528	IYER K S	7330		10626
ISMAILOV A S	52441					11529	IYER R D	26765	JACKSON L P	49980
ISMAILOV F	69401	IVANENKO B I		40549		20664	IYER R S	65400		68032
ISMAILOV G B	29256			87943		39977	IYER S G	32050	JACKSON L W R	68033
ISMAILOV G N	82462	IVANESCU D		50460		50040	IYER V R	102321		66377
ISMAILOV M N	76876	IVANESCU M		9817	IVERSEN M	102360	IYPE P T	82616	JACKSON M H	80072
ISMAILOV N M	8657	IVANINA L I		57492	IVERSEN S	71929	IZAKOV F YA	107875	JACKSON M L	90844
ISMAILOVA U	52409	IVANISHIN A		89131	IVERSON F	46007	IZAKOV U YA	105096	JACKSON N	88746
ISO A	48161	IVANISHIN A I		100931	IVERSON G B	37701	IZARD C	369	JACKSON O F	13265
ISO I	2036	IVANITSKY B		60837	IVERSON L G K	88601	IZAWA G	1124	JACKSON R	88602
	59194	IVANKA L		100143	IVES J R	7097	IZAWA M	28318	JACKSON R A	73814
ISOBH H	100798	IVANOFF S S		78537	IVES P T	5228	IZAWA S	38158		95470
ISOBH I	35680	IVANOV A		39362	IVES W G H	64152	IZDEBSKI K	47642	JACKSON R B	85524
ISODA M	87439	IVANOV A E		69543	IVEY M C	6427	IZECKSOHN E	63937	JACKSON R C	27525
ISODA R	1029	IVANOV A P		48704	IVEY W D	105241	IZHEVSKAYA E E	15044		54826
ISOGAI S	4178	IVANOV D		56587	IVIMEY-COOK R B	68374	IZMAILOV F F	33711	JACKSON R D	100056
ISOM W H	4810	IVANOV D A		69544	IVINS J D	66977	IZMAILOV YU	15154		11188
ISOMUR A	28669	IVANOV D I		15261	IVINSKIO L	36641	IZMOZHEROV N A	68480	JACKSON R F	79949
ISOMURA K	29153	IVANOV D P		93845	IVITSKII A I	50273	IZOD D A W	16372	JACKSON R I	95596
ISOSUZU K	58596	IVANOV D R		45797	IVLIEVA E YA	4388	IZQUIERDO C E	59951	JACKSON R K	101836
ISOTAL A	33945	IVANOV E		8931	IVOS J	51866	IZQUIERDO C J	57933	JACKSON R L	55293
ISOTAL A	59013	IVANOV E A		88138	IVOSHIN E	29063	IZQUIERO J E	50658	JACKSON M S	22495
ISOTAL I	29131	IVANOV G V		56526	IVSHINA V I	103141	IZSAK K	29716		22426
ISOTALO I	59872	IVANOV I		31436	IVUSHKIN I F	100747		54009	JACKSON R T	18955
ISRAEL H W	648			31695	IVY J T	12976		59713		68713
ISRAEL P	100421	IVANOV J S		32255	IWABUCHI M	681	IZU T	79587	JACKSON R W	74520
ISRANGKUL R	42561			32256	88651	89165	IZUMI K	29918	JACKSON S F	13515
	58865	IVANOV K		32256	89169	89170	IZUMI S	15937	JACKSON S W	17702
	80323			104668	IWABUCHI S	27968		27157	JACKSON T H	22132
ISSAARD K	49284	IVANOV I S		104908	IWAGAKI H	39042	IZUMIDA M	35543	JACKSON T H E	105982
ISSAC P K	99910	IVANOV K I		104670	IWAHORI S	100259	IZUNO T	102951	JACKSON T L	20667
ISSACS G W	63226	IVANOV L		104908	IWAI I	27969	IZZI R	30980		39979
ISSAWY H F EL	22208	IVANOV M		76542	IWAKATA I	87580		31328	JACKSON W A	48474
ISSELSTEIN R	5856			16418	IWAKAWA O	40759		31329		58873
	95863	IVANOV M M		21856	IWAKI M	47513			JACKSON W A D	78543
ISSEROFF H	104358	IVANOV N YU		28471	IWAKI Y	97303			JACKSON W B	76522
ISSHIKI O	103739	IVANOV N		62258		97395			JACKSON W D	25658
ISSI I V	73756	IVANOV N A		58682	IWAKIRI B T	97396				55042
ISSLEIB G	12337	IVANOV N I		30596	IWAKIRI R	49139	JAAG O	33005	JACKSON W F	13266
	60879	IVANOV N P		79092	IWAMA S	18312	JAAP G	82683		92722
ISTATKOV S	328	IVANOV N R		10108	IWAMI N	28795	JAAP R G	4034	JACKXN R M	103998
ISTOK A	89848	IVANOV N YA		85523	IWAMOTO A	90514			JACLOT P	36227
ISTOMIN M S	80416			33549	IWAMOTO K	33618			JACOB E H	65709
ISTOMINA L P	29870	IVANOV P		84485		35775			JACOB F C	107479
ISTOMINA-TSVETKO-VA K P	5274			84485	IWAMOTO M	38156	JAARMA M	82617	JACOB F H	58836
	105441	IVANOV P		39717		104440		86135	JACOB H	83310
ISTRATE N	18829			53929	IWAMOTO T	87011	JAARTSVELD F H J	3539	JACOB H	12629
ISTUDOR I	24650	IVANOV P K		90922	IWAMOTO Y	28562		91970	JACOB J	26378
ISTVETKOV T	96650	IVANOV S A		90923	IWAMURA T	100685	JAASUND E	176		33161
ISWARAN V	68939	IVANOV S N		103108	IWANAGA I I	92995	JABA O	25190	JACOB K	73640
ITABASHI T	80039	IVANOV S YA		102088	IWANAMI S	78538	JABARA A G	41751	JACOB K D	83996
ITAFUJI K	64344	IVANOV S Z		91265	IWANAMI T	86174		62489	JACOB K S	11839
ITAGAKI K	27967	IVANOV V		48162	IWANAMI Y	64845	JABAT J V	72395	JACOB N	2655
ITAGAKI J	72625	IVANOV V B		60696	IWANO S	29917		86349	JACOB W C	23063
ITARD J	14628	IVANOV V F		26276	IWANOW D A	27524	JABBAR M A	62259		



JACOBS M	38941	46874	JAGER H		20537	JAKUBZINER M	38721	JANIAK M I	61785	JANSSON S	37250	ITEM
JACOBS M E	57582	67409	JAGER I	2942	58271	JAKUSZEWSKI T	21284	JANIAK M J	81783	JANSSON S L		70554
JACOBS M R		43360	JAGER K		30317	JAKWAY J S	3322	JANIAK T	12591	11531	11840	2443
JACOBS N J	93829	40875	JAGER L		65204	JALALI A K	89509	JANICEK G	24447			70291
		104844	JAGER W		56181	JALAN S	68481		25707	101966		102362
JACOBS R E		107081	JAGERHUBER P		33982	JALAS G	106630		25707		JANSSON T	102966
JACOBS S N A		52513			54096	JALAS J	36711		45179	65705	JANTEA F	75549
	33006	23675	JAGERSCHMIDT J		60933	JALASS G			75699	75700	JANISZEWICZ I	55872
JACOBS T		73481	JAGFELD P		61578	JALEEL S A	16514	JANICK J	75720	76988		66215
JACOBS W		49712	JAGGI E	87965	108787	JALITHAL M R	93581	JANICEK J	37859		JANVIER H	53332
JACOBS W P	9896	95571	JAGIELLO E		85056	JALIT A	44364	JANICK J	58044	58412	JANYSKA A	499 1030
JACOBSA N	1591	18995	JAGIELSKI A		99383	JALIT M	28775	JANICKI J	6192	6557	JANZ G J	69001 75258
JACOBSA N	51751	1592	JAGIELSKI M		35634	JALMAKHANDIMATH C	45147		25621	25648	JANZEN D H	33100 73757
		100970		35635	87012	A			30796	30797	JANZEN J J	65156
JACOBSEN B		24826	JAGLA S		50983	JAMALAINEN E A	68034		34716	34885	JAO H	67653 98669
JACOBSEN H		46567	JAGO G R		54489		77588		55274	65402		109233
JACOBSEN H U		26971	JAGO N D	23924	53532	JAMALAINEN E N	77729	JANIEC S		25649	JAPON-QUINTERO J	40216
JACOBSEN I		34312	JAGODA G		9627	JAMBRINA-ALONSO J	68320	JANISEN A		85117	JAQUES H E	57299
JACOBSEN J		87973	JAGODZINSKI J		86534	L	68321	JANISZEWSKA J		83783	JAQUES L B	32265
JACOBSEN J V		54992	JAGOW G VON		12149	JAMBULINGAM A B	80696	JANISZEWSKI B		49878	JAQUES R P	95450
		100569	JAGSCHITZ J A		29239	JAMES A P	100054			50764	JARAI GY	44689
JACOBSEN K	96415	106096	29240	29352	40332	JAMES A T	7286	JANISZEWSKI K		28749	JARAMILLO A G	56996
JACOBSEN K A		74774			59987	JAMES C T	94734	JANISZEWSKI M		77543	JARAMILLO J	35685
JACOBSEN N A		62103	JAGTENBERG W D		38835	JAMES C W	46832	JANISZEWSKI T		24164	JARANILLA E	21540
		92306	JAGUSZEWSKI T		45571	JAMES D W	20683	JANITSCHKE K		72956	JARANOWSKI J	9683
JACOBSEN W B		54660			45572	JAMES E	7406		104812			79297 89276
		65155	JAHANGIR M		78299		9661	JANITZKY P		29526	JARANYI GY	2540 60621
JACOBSEN W C		275	JAHN A		39837	JAMES G A		JANJATOVIC V		27790	JARDINE R	3596 16112
JACOBSON A	38149	48159	JAHN E	12150	12417	JAMES H	10771	JANJIC V		56427	JARFAS J	94377
JACOBSON A B		58517		23392	38160			JANKE C	68150	88748	JARGIELLO J	48845
JACOBSON D H		57180	JAHN G		104359	JAMES H B	8134	JANKEVICIENE R		36640	JARMAN H G	91727
JACOBSON E		69850	JAHN J R	51522	81748	JAMES H G			95040	46800	JARMIN M V	46157
JACOBSON G A		45144	JAHN R		37572	JAMES J	79588	JANKEVICIUS K		36641	JARNEFELT H	17855
JACOBSON J	36228	56994	JAHN S	4498	12499	JAMES J E	50461	JANKIEWICZ M		33997	JARO Z	29544
	56995	76776		31186	93775	JAMES J F P	15831	34886	34887	34889	JAROCKA M	69978
JACOBSON J S		26802			103109	JAMES J R	98061	JANKO D		12098	JAROLIMEK P	55624
		86513	JAHN W		87013	JAMES J W	13191	JANKOV N		92653	JAROSZ K	54713
JACOBSON L		9937	JAHNE H	104793	104907			JANKOVIC B D		104360	JAROSZEWSKI Z	35116
JACOBSON M	7122	23511	JAHNE-LIERSCH S		92747	JAMES L F	13665	JANKOVIC M	73557	80391		75651
	33488	63408	JAHNEL H		17305	52475	63067	JANKOVICH D		42724	JAROWAJA N	99693
JACOBSON M M		17048	JAHNICHEN E		11530			JANKOWSKI A		64404	JARQUIN R	86268
JACOBSON N L		12918	JAHNL G		39980	JAMES M T	5042			64405	JARRELL J E	37507
	13113	31500	JAHNSEN V J		26053	JAMES N		JANKOWSKI F		93384	JARRETT C J	62090
JACOBSON P		72882			35389	JAMES N I	38652	JANKOWSKI S		34888		62104
JACOBSON P E		60719	Jahr K		35176				34889		JARRETT F G	56089
		8047	JAHR W		47866	JAMES P G		JANKUS E E		7129	JARRETT I G	22810
JACOBSON R E		36015	JAIN A C		91754	JAMES P I D		JANMOULLE E		95449	52442	72844 82812
JACOBSON R W		84964	JAIN B K S	15046	43693	JAMES P W	36995		105983			82817
JACOBSSON A		66786	JAIN G C		92388	JAMES R		JANN G J		104379	JARRETT T W	81121
JACOBSSON A		24107	JAIN H K	808	9383	JAMES R H		JANNACCONE A		10458	JARRIGE R	69227
JACOBSSON S U		22196		18724	47790	JAMES S C			59820	57661	JARRY D M	5573 23925
JACOBSZ J Z H		32203			49208	JAMES S C			97661	25806	JARRY D T	5573 23925
JACOBY B		68844	JAIN J C		51358	JAMES W L		JANNAUD G		25806	JARUSEVICIUS A	32943
JACOMETTI G		109800	JAIN K B L		48709	JAMES W M		JANNELLI D		44556		32944
JACOPETTI M M		5971	JAIN K S		15248	JAMES W O	48164	JANNERMANN		18956	JARUSZEWSKA	38877
JACOPI Z		36614	JAIN M K	28336	28337	JAMESON D A		JANNERMANN G		68376	JARVA L	26941
JACOROSSO F		27158		58955	59015				41222	56428	JARVELA H A	49621
	29238	59952		78978	81572	JAMESON D L		JANNESE J A		87014	JARVELA O	21633
JACOT-GUILLARMOD		5449	JAIN N C	24653	30738	JAMESON H R		JANNONE G	42581	52937	JARVESOO E	97508
				32493	61531				77544	77730	JARVI T H	77003
JACOTO H	22630	61784		81553	91745	JAMESON J D			94466	105190	JARVIS A A	44324
JACOTOH H		8444			104671	JAMESON J S		JANNY M		57181	JARVIS F V L	95451
		21922	JAIN N K	69035	102040	JAMIESON H B		JANOLINO V G		69256	JARVIS J M	12005 12049
JACOWAY T H		10770	JAIN P N		56822	JAMIESON J D	83092			69788	JARVIS M S	9821 9822
JACQUELIN G		21594	JAIN R K	38404	46727	JAMIESON M M	60130	JANOSSEVIC D		56289	JARVIS P G	9821 9822
JACQUEMART S		47658	JAIN S C	20639	60378	JAMIESON R G	91726	JANOSFY K	7473	66213	JARVIS R H	38713 39967
	53560	99768	JAIN S K	25189	27700	JAMIL M Z	97217	JANOSSY A	4955	10335		47966 91082
JACQUEMIN M		73510		47867	100971	JAMISON F S	70022		19629	28472	JARVIS W R	57934 57935
JACQUES W A		68375	JAIN S P		108212			JANOSSY GY		60202	JASCHIK S	57139
JACQUES-FELIX H		62	JAIN S V	40281	60403	JAMISON J A	95677	JANOT M M	78979	100636	JASCHKE W	11844
	77179	98750			60404	JAMISON S L	93260	JANOTTA J	12500	55871	JASDROW H	64383
JACQUET		108699			43076	JAMISON V C	5642			66214	JASINSKA A	37529 105227
JACQUET J	52141	54505	JAINCHILL J L		108185	JAMKHEDKAR P P	3191	JANOUSEK E		98654	JASINSKA S	4377
JACQUET J P		22700	JAIPURIA S		48935	31593	103822	JANOVAC S J		2657	JASINSKA Z	48165 59343
JACQUET P	58572	84413	JAISANI B G		48939	JAMMES F	19880	JANOWSKI H	72538	73010	JASINSKI R	12323 21384
JACQUIN F	20435	39698	JAISINGHANI C J		101964	JAMNBACK H	14027	JANOWSKI L J		74501	JASIOROWSKI H	3067
	69226	80017	JAISWAL R N		106733	JAMNICKY J	67841	JANOWSKI T M		92190		82930
JACQUIOT	40688	102860	JAIYEDO E O		2168			JANS D E		14449	JASKOWSKI L	51380
JACQUIOT C	18563	61361	JAKAB T		39719	JAN O		JANSAK S		98655		93726
JACQUOT H D		91097	JAKABFFY E		30379	JAN Z		JANSE A R P		79950	JASKOWSKI Z	49756
JACQUOT R	36372	62732	JAKATE P N	20668	20669	JANA M K	18725	JANSE A		27503		80754 80755
JACZEWSKI T		14739			101965			JANSEN B C P		67594	JASHIN J J	11213 49723
	53400	53401	JAKES R		69168	JANAC K	53930	JANSEN E F		89849		56824
JADAMBA S		66880	JAKHADE V M		26793		74204	JANSEN G R		55290	JASNY N	74547
JADASSOHN W		89557	JAKIMOWA J		10457	JANARDHANAN K K	88747	JANSEN G T		52780	JASPART E M J	99639
JADIN J		52791	JAKO N		25647	JANASEK M		JANSEN H		100260	JASPARS L	7750
JAEGE R		2822	JAKOB K M		78287	JANAUDIS Z	107728		42000	62261	JASPER A W	26177 26470
JAEGE R C P		33162	JAKOR W	32257	32487	JANCHEN E	156		66345	93261		97310 107803
JAEGE R E		81349	JAKOB W L		32682		87966			93262	JASPER D E	3597 13034
JAEGE R J		31821	JAKOBSEN P E		3066	JANCIC S			103740	107411		41317
JAEGE R P	559	26834	JAKOBSON M		68262	JANCIA A	98654	JANSEN L		21285		103883
		68845	JAKOBSONS P		70112	JANCO J	51062	JANSEN L L		79815	JASPER W	35099
		87947	JAKOTS L		12021	JANCOSCEK J	50098	JANSEN M VAN N		63279		86350
JAEGGLI M		104041	JAKOVAC J		96990	JANCZYK F	109120	JANSEN M T		46864	JASPER W J	76454
JAESCHKE W		44798	JAKOVLEVJEC I M		59017	JANCZYK T	86852	JANSM A J D	40215	91012	JASSEM M	48973
JAFAR S M		4035	JAKOWLEWA W W		60405	JANDA L	77905	JANSON A		66354	JASTROW H	89791
JAFFE W P		34884	JAKOWSKA S		88139	JANDER R	63825	JANSON B F	27309	37075	JASTRZAB-KWIATKO-WSKI J	22190
JAFFRAY B S		72842	JAKSCH W	13375	21858	JANDL G	74336			90392		
JAFFRES M		26052			52100	JANDOLO E	20857	JANSON J		71503	JASTRZESBSKI K	49976
JAFORTE A	26051	45145	JAKSIC R L		62571	JANE A	32744	JANSEN C		75701		59106
	44275		JAKUBAUSKAS V		5736	JANECKA H	97091	JANSEN G		10580	JASTRZESBSKI P	25081
JAGANNATHAN V		28130	JAKUBCZAK L F		13404	JANECKE H		JANSEN H		69770	JASTRZESBSKI S	91341
JAGATHESAN D		66497	JAKURCZYK H		37249	JANECKI J	54098	JANSEN M R		11851	JASTRZERSKI T	52722
JAGBARAL N		21713	JAKUBEC V	22756	104672	JANER M L	48641	JANSEN P		71000		62797 93846
JAGELS R		887	JAKUBIEC A		89372	JANER-DEL-VALLE C	35184	JANSEN S L T		56823	JASZOWSKI J	86351
JAGENDORF A T		28315	JAKUBIEC J		89508	JANES R E	20941	JANSENS E	14527	14630		107847
	9799	48512	JAKUBIK J		21812	JANES B S	9062		42991	94883	JATAR S N	108060
		59014	JAKUBIK J		90924	JANES R L	14271	JANSENS J	15451	16901	JATIVA C	8684
JAGER A	76612	80161	JAKUBISIAK B		24654	JANET P M				35890	JAUDON J L	41081
		80695	JAKUBOWSKA J		107480	JANETSCHKE H	56684			98571	JAUERT R	1661
JAGER A W DE		70731		74602	107480	JANETSCHKE P		JANSSON A		88327	JAUHARI O S	9823
		80579	JAKUBOWSKI A		55622		42301	JANSEN C A				



ITEM	ITEM	ITEM	ITEM	ITEM
JAUME J 108415	JEFFERYS E G-CONT 78383	JENNINGS A R 13829	JENTZSCH K D 12574	JIMENEZ-CUENDE F 96291
JAUME-MIRALLES J 56062	JEFFERYS T 16494	JENNINGS D H 62169	13035	--CONT
JAUMIEN F 10671	JEFFREY A W 24020	JENNINGS D L 48166	JEOFFERY S M S 52247	JIMENEZ-JIMENEZ E 93973
JAUREGUI-ADELL J 35254	JEFFREY A B 16803	78540	JEPHCOTT B 86094	94354
JAVIER T R 15771	JEFFREY A D 34029	810	JEPHCOTT B M 50133	JIMENEZ-LARA A 101857
JAVIER-BEGHIN F 86730	JEFFREY A G 56540	59627	JEPHCOTT B R 86094	JIMENEZ-ROJAS 1033
JAVUR I 88916	JEFFREY C 111	30921	JEPHCOTT C M 257	JIMENEZ-ROJAS E 48167
JAVORTI F 91715	JEFFREY D B 39605	JENNINGS H L 35041	JEPPESSEN M 54469	JIMENO L 20656
JAVORKA S 10774	JEFFREY R N 89134	JENNINGS J W 57794	57276 76989	JINDAL S L 70548
JAVUREK M 50742	JEFFREY S W 9220	JENNINGS O E 98541	87970 87971	JINDRA A 78980
JAWLOWSKI H 105517	JEFFREY S W 38509	JENNINGS P R 73251	87973 98550	89852
JAWORSKA H 3943	JEFFREY W W 78894	JENNINGS S 3965	109122	JINDRA D 42694
JAWORSKA M 78138	JEFFREY W W 102521	JENNINGS W B 107650	JEPPESSEN M T 57275	JINDRA J 11888
JAWORSKI C A 37405	JEFFREY D B 38161	JENNINGS W E 35069	JEPPSON L R 14187	JINKINS P B 104168
JAWORSKI E G 27972	JEFFREYS M D W 19795	JENNINGS W G 54993	52719 52939	JINKINSON E A 42695
105028	JEFFRIES B C 100804	54994	JEPPSSON G 43695	JINKS J L 37253
JAWORSKI J 61235	JEFFRIES J E 93582	82607	JEPSEN A 24914	100057
JAWORSKI K 92459	JEFFRIES W S 43982	39981	JEPSON W F 4892	63
JAWORSKI N A 104195	JEFFREY T 56825	52979	JERABEK J 3598	JINNO T 35498
JAX J 75408	JEGFEMENKO T 49324	JENNY H 1031	JERATH M L 105639	JINNOUCHI Y 89510
JAY E G 83160	JEGARD J 82218	JENNY J 87968	JEREBZOFF QUINTIN 58687	JIRACEV V 75866
JAY E G 82519	JEGINA K 52857	JENNY R 50532	S	JIRASEV V 36790
JAY J M 97085	JEGOUZO G 56720	JENNY W M 46293	JERERZOFF S 1032	JIROVEC O 98553
JAY R 2739	JEHLIK P J 86906	JENO M 33751	JERFBZOFF-QUINTIN 38162	JITTS H R 38163
43694 70113	JEKAT F 64754	JENSEN 87969	JERMALAVICIUTE S 26942	JIVOIN P 103242
JAY S C 53066	JEKIC M 20671	JENSEN A 4082	38162	JJIMENEZ-ROJAS 1033
JAYAL M M 42152	JELEH H 71141	JENSEN A H 13797	44950	JOACHIM A W R 50042
JAYALAKSHMI N 22323	JELENCIAK J 2708	JENSEN A LA C 51416	82944	JOACHIM H F 9063
JAYARAJ A P 27340	JELENCOVIC G 1429	JENSEN A S 51763	72580	JOACHIMOVITS R 67886
JAYARAM N S 11545	JELENI D 39852	51764	JERN L 57284	JOAQUIN ASO P 27894
JAYARAMAN D 57136	JELENSKI E 26913	JENSEN B L 51699	JERNIGAN J E 29241	JOARLETTE P 3618
96502	JELIER G 87186	JENSEN C H 51933	JEROCH H 31816	JOBBINS D M 94120
JAYARAMAN M V 17460	JELINEK J 87187	JENSEN C O 51933	JEROME F N 4030	94133 94204
JAYASINGHE J B 13694	JELINEK J 22077	JERRY R L 109103	12218	JOBERT A J 79533
21772 21773	JELINEK R 108186	JERSCHKOWSKY O 97557	JERRY R L 109103	JOBIN A 52720
26613 61754	JELINEK R 108186	JERSTAD A C 62830	101659	JOBIN L 36507
JAYAMEERA D M A 36840	JELINKOVA V 13516	JERVEN O 30323	56429	JOBIN L J 95453
JAYCOX E R 20333	JELINOWSKA A 28653	JERVIS R A 88328	52938	JOBLING J 61031
42815 63758	JELITTO R 100952	JERVOLINO A R 6131	63621	JOCHIM M M 61718
JAYEWARDENE L G 14028	JELLEMA R 33675	JERZEMBECK 98552	23216	63070 104684
JAYLE M F 51546	JELLIFFE D B 46158	JERZYK E 74827	103741	JOCHIMS R 4167
JAYME G 12443	JELLIFFE E F P 46158	JERZYNSKI F 87015	82126	JOCHLE W 62262
21595 30647	JELLY R G 101354	JESCH D 82210	49209	92974
41011 71572	JELLYMAN A D 17523	JESCHKE H J 90657	53645	JACOBS K A 82929
102967 103027	JELMONI E 17524	JESCHKE H J 90657	83424	JACOBSON L 19061
JAYME G VON 91760	JELMOWICKA J 21019	JESCHKE H J 90657	42639	JACOBSON A T 79403
JAYNE-WILLIAMS D 43921	JELOWICKI S 4311	JESCHKE H J 90657	87954	JODAI S 41053
J	JELOWICKI S 4311	JESKE A 5843	37511	JODKOWSKI H 104175
JAYNES R 19928	JELOWICKI S 4311	JESPER D M 4956	95924	JODON N E 38682
JAYNES R A 809	JELOWICKI S 4311	JESSEN E 73815	53806	68620 69474
59669	JELOWICKI S 4311	JESSEN E 73815	4956	8775 20013
JEAN C 46380	JEMENEZ E 90762	JESSEN E 73815	44904	28970 57670
JEAN M T 89133	JEMISON G M 71249	JESSEN E 73815	44904	57670 98992
JEANMAIRE L 15684	JEN T H 38883	JESSEN V T 107481	44755	4554
31380	JEN T Y 90098	JESSEP C T 105518	44755	JOELSSON G 38164
JEANMMAIRE L 58685	JENCKS E M 80032	JESSEP H G 5982	105518	JOERGENSEN C 11985
JEANNEL R 94884	JENDRO M 59118	JESSINOVSKAJA V 69852	5982	89511
94885	JENICEK V 66341	JESSOP A P 89258	69852	JOFFE J S 36433
94886	JENICHEN W 92191	JESWAN L M 18142	47749	JOFFIN G 89094
JEANNIN A 53139	JENIK J 58159	JESWAN L M 18142	47749	JOFTES D L 105013
JEANSON-LUUSINANG C 2212	JENISON G C 54256	JESZANSZKY A 34665	99187	JOGLAR-RODRIGUEZ F 90325
JEANSSON N R 108657	JENKINS A D 54827	JESZANSZKY Z 33528	99187	JOGLEKAR G V 3839
JEATER R S L 79816	JENKINS B C 18728	JETER M A 53931	33528	JOHAI K S 48938
79817	JENKINS C F H 13941	JETER R 90658	53931	JOHAL P S 23075
JEBAUTZKE W 17049	JENKINS C M 105191	JETER R B 90659	90659	JOHAM H E 48488
43763 56182	JENKINS D 103883	JETNE M 69979	69979	68241
106450	JENKINS D G 36077	JETSCHMANN K 28400	28400	77852
JECEK F 52526	JENKINS D L 63021	JETT W 48483	48483	JOHANN K 71099
JECCHOVA V 57723	JENKINS E L 54828	JETT W 48483	48483	JOHANNES H 70198
JECSEY GY 107085	JENKINS F M 41874	JEUNIAUX C 32932	34634	JOHANNES R 61648
JEDELE D G 24265	JENKINS F P 44407	JEVDJOVIC E M 56653	32932	JOHANNESSEN B 23868
84669	JENKINS I 6636	56646	76314	78956
JEDLICKA A 94887	JENKINS I D 107020	76314	14112	JOHANNESSEN C L 58160
JEDLINSKI H 47506	JENKINS J E E 68151	JEWELL H K 14112	14112	JOHANNESSEN N B 54608
JEDLINSKI W 60986	JENKINS J H 12312	JEWELL W S 21349	21349	JOHANNESSEN A 81784
JEDLINSKI Z 86289	JENKINS J M 88856	JEWETT A L 56934	56934	JOHANNSEN G B 96595
JEDREJEK M 36007	JENKINS J M 8932	JEWETT L J 76414	76414	JOHANNSEN H 34128
JEDYNAK-MANKOWSKA H 83251	JENKINS J N 23213	JEWETT S G 95634	95634	JOHANNSON K 96116
83275	JENKINS K B 23230	JEZ T 107816	107816	JOHANNSMANN 34328
JEEL C A W 33055	JENKINS K J 35776	JEZEK B 46986	46986	JOHANNSMANN H 74863
33056 63875	JENKINS L 52246	JEZEK P 14307	14307	96503
94735	JENKINS M 68322	JEZEK R E 64469	64469	JOHANNSON B 26917
JEFF A E 59699	JENKINS M 103241	JEZEK V 67908	67908	JOHANSEN B R 17791
JEFFERIES B C 4387	JENKINS P 879	JEZERNICZYK L 68846	68846	JOHANSEN C 4957
4443 4444	JENKINS P T 18141	JEZESKI J J 6362	6362	83623
32679 52365	JENKINS R B 83161	JEZERSKI A 57334	57334	JOHANSEN C A 81972
93615	JENKINS R P 55043	JEZKOVA V 24864	24864	JOHANSEN E 51177
JEFFERIES N W 65403	JENKINS R W 107221	JHA B N 92209	103459	JOHANSEN H B 27159
JEFFERIES P R 100614	JENKINS S F 258	JHA B P 26277	26277	JOHANSEN M 81452
JEFFERIES R L 99769	JENKINS S F 57936	JHA S C 108845	108845	JOHANSEN O 38855
JEFFERS H F 82867	JENKINS S L 73197	JHUNJHUNWALA P C 66216	66216	JOHANSEN R H 101411
JEFFERS J N R 21156	JENKINS T 32463	JHUNJHUNWALA V D 16430	16430	JOHANSEN R L 98289
60934 70911	JENKINS W J 87661	107916	107916	JOHANSEN R W 2868
91435	JENKINS W L 36078	JIANU E 1478	1478	JOHANSEN T S 47769
JEFFERS T K 31747	JENKINS W R 27354	45845 55291	55291	JOHANSEN F D 38165
JEFFERSON C H 109004	JENKINS W R 27354	56430 62680	62680	64451
JEFFERSON R N 18409	JENKINS W R 27354	91783 91784	91784	JOHANSON S 109184
32874 42725	JENKINSON D M 41595	JICA P 25190	25190	JOHANSSON A 90867
83490 83491	JENKINSON D M 41595	JICHA J 3673	3673	JOHANSSON A B 41771
JEFFERSON T 35751	JENKO V 12022	JICMAN 62228	62228	JOHANSSON A S 94645
98761	JENKS J 11050	JILES R A 21481	21481	JOHANSSON D 24166
JEFFERY G M 23145	JENNER C E 43361	JIMBO T 20	20	32609 32945
63455	JENNESS L C 81498	JIMENEZ A N 91342	91342	36400 36401
JEFFERY J W D 20436	JENNESS R 65096	JIMENEZ CUENDE F 67147	67147	74864 93974
20670	JENNESS R 65096	JIMENEZ E 29404	29404	98436 98437
JEFFERY R N 69228	JENNEWEIN E M 80580	JIMENEZ F A 99381	99381	98439
JEFFERY W R 59384	JENNINGS A C 93601	JIMENEZ MILLAN F 58121	58121	JOHANSSON E 20672
JEFFERYS E G 78382		JIMENEZ S E 9698	9698	88917
		JIMENEZ-CASTILLO R 45672	45672	JOHANSSON F 12375
		JIMENEZ-CUENDE F 65399	65399	21157
				49115



ITEM	ITEM	ITEM	ITEM	ITEM
JOHANSSON G--CONT	JOHNSON E A--CONT	JOHNSON P R	JOHNSTON L	JONES A J
51752 62105 49210	93285 98670 77083	36157 14960	83517 13037	28567 37406
JOHANSSON H 25269	98672 98673	JOHNSON P T 32684	JOHNSTON L A Y 13268	JONES A L 27270 82497
JOHANSSON I 46159	JOHNSON E A G 20858	JOHNSON R 16539	JOHNSTON L C 53402	JONES A R 98103
68661 72904 92779	JOHNSON E C 48707	JOHNSON R A 1355	JOHNSTON M C 560	JONES A R C 48974
92780 92782 104851	79187	15999 24903	8703 8704 8705	JONES A S 4499 22918
JOHANSSON J 18961	JOHNSON E M 27310	JOHNSON R B 4839	17708 17709 17710	JONES A W 20861
44756 73380 85843	37076 37154	23340 42687	88330 89810	JONES B A 45289 45301
JOHANSSON O 9825	JOHNSON E R 13973	JOHNSON R D 24572	JOHNSTON M E H 89512	JONES B A 2601 91347
29717 39982 60406	JOHNSON E R R 56997	26650 24572	JOHNSTON M J 93624	JONES B H 30798
91098 91099 101858	JOHNSON E W 10775	JOHNSON R E 78543	JOHNSTON MRS M 36317	JONES B J 29076
JOHANSSON R 49325	JOHNSON F 21158	JOHNSON R F 98359	JOHNSTON N C 105472	JONES C A 89808
55119 65780 109125	84867 84866	JOHNSON R H 68517	JOHNSTON P M 42001	JONES C K 92724 98504
JOHANSSON S 26796	JOHNSON F A 50462	JOHNSON R J 62842	JOHNSTON R C R 43538	JONES C M 18726 42493
65157 66151 16113	60987	77158 84648	JOHNSTON R J 38480	JONES C R 44905 53266
JOHANSSON S A 35149	JOHNSON F D 85419	JOHNSON R W 39470	JOHNSTON S 6790	JONES D 55294 85963
JOHANSSON W 50274	JOHNSON F E 7715	81785 82178	JOHNSTON S 48168	JONES C R M 105107
JOHANTGES J 85530	JOHNSON F M 2855	JOHNSON R L 21286	JOHNSTON S 54945	JONES C W 773 41518
JOHAR D S 24555 55007	40689 43049 54620	JOHNSON R M 13517	JOHNSTON T 59569	JONES D 80109 99066
65632 65633 85800	63989 95041 105729	16114 31575 36329	JOHNSTON T D 1948	JONES D B 8491
96311 97249	JOHNSON G 10642 84802	55293 65558 75410	JOHNSTON T H 10336	JONES D E 52822
JOHARI M P 13036 62263	JOHNSON G L 66347	JOHNSON R P 63826	JOHNSTON T M 100805	JONES D F 9826 48544
JOHKE T 41318 44285	70555	JOHNSON R R 29322	JOHNSTON V 88749	JONES D G 78461 106471
JOHL S S 103743	JOHNSON G R 35197	71618 72783	JOHNSTON V D 24371	JONES D I H 52470
JOHN A 108061	JOHNSON G T 68720	JOHNSON R S 21128	JOHNSTON W B 86290	JONES D J C 34477
JOHN B 100062	JOHNSON G V 4878	JOHNSON R T 10543	JOHNSTON W K 27505	JONES D M 27458 34568
JOHN C K 7398	JOHNSON H 46865	55873 108573	JOHNSTON W K 12963	JONES D R H 9827
JOHN H 5153 5154	JOHNSON H A 46008	JOHNSON R W 7099	JOHNSTON W R 82819	JONES D S 20862 30524
83848	46034 76523	JOHNSON S 77060	JOHNSTON W R 11731	JONES D VAN G 37525
JOHN H H 105356	JOHNSON H B 6789	JOHNSON S A 36262	JOHNSTONE D R 39663	JONES D W 87760
JOHN K P 18143	25402 107357	JOHNSON S A 54635	JOHNSTONE D R 60076	JONES D W 28465 38715
JOHN M E 105294	JOHNSON H D 51867	JOHNSON S A 26972	JOHNSTONE D R 64429	JONES E 9188 36132
JOHN P A 61362	62106 72229	JOHNSON S D 22250	JOHNSTONE F E 98441	JONES E 36133 37044 81628
JOHN P T 91771	JOHNSON H G 68041	JOHNSON S E 5984	JOHNSTONE F E 27407	JONES E 91682 98211 101310
JOHN P V 7000	77545 88603	43882 45408	JOHNSTONE H C 82658	JONES E B 54831
JOHNAAON H 56588	90251	56022	JOHNSTONE I L 13695	JONES E B G 8876
JOHNS A 92460	94383	86732	JOHNSTONE K H 22863	JONES E B G 40840 88524 89002
JOHNS A T 13655 92461	JOHNSON H N 4726	JOHNSON S S 86732	JOHNSTONE K H 90415	JONES E L 12812 79144
JOHNS C K 6336 24827	JOHNSON H P 2543	JOHNSON T 27568	JOHNSTONE W F 86610	JONES E L 79145 79240 79241
JOHNS D 71659	20993 40232 43867	JOHNSON T R 70732	JOHRI B M 27526	JONES E M 49191
JOHNS D M 30579	60710 95918 106534	JOHNSON T W 7533	JOHRI M M 27974	JONES E M 2823 55596
JOHNS L 101308	JOHNSON H S 33854	JOHNSON V A 75898	JOHRI P N 21774	JONES E R H 1311
JOHNS P 74337	62754 62892 72682	JOHNSON V E 84670	JOHRS 8448	JONES E W 22453 33938
JOHNS R 15942 15960	JOHNSON H W 1643	JOHNSON V E 80697	JOHSGARD K 92462	JONES E W 37573 45673
JOHNS R M 88032 88523	12631 29546	JOHNSON V H 39606	JOHNSI N V 1559	55625 97219 102522
JOHNS S H 93727	JOHNSON I J 10459	JOHNSON V W 72104	JOHSTON R C 53708	JONES F G W 37512
JOHNS T 106568	JOHNSON I J 47868	JOHNSON W 86596	JOICE R 39484	JONES F R 88525
JOHNSEN A B 58161	JOHNSON I S 19523	JOHNSON W A 4243	JOINER C R 85296	JONES G A 48974 93657
JOHNSEN J O 73666	JOHNSON J A 20859	29833 29919	JOINER J N 38439	JONES G B 13407 52442
JOHNSER R 36230 36403	54125 58168	JOHNSON W C 29793	58554 58574 58688	JONES G C 16804
56183 74375	55269 55292	JOHNSON W C 69546	JOINER R R 16115	JONES G D 28034
JOHNSEN T N 68376	JOHNSON J B 85962	JOHNSON W G 54829	JOJELA J J 47869	JONES G E 10989 66500
JOHNSON A 17819 44471	8099	JOHNSON W H 21860	JOJELAINEN A 61126	JOJELA J J 90416
101970	35068 51628	46296 59196	JOJELAINEN A 57094	JONES G L 38775 59188
JOHNSON A A 66152	JOHNSON J D 37402	JOHNSON W J 90734	JOJELAINEN A 74445	JONES G L 79144 79145 79240
JOHNSON A C 75205	JOHNSON J E 87441	JOHNSON W J 78544	JOJELAINEN A 104535	JONES G L 79241 79413 101089
74951	JOHNSON J H 3835	JOHNSON W L 78545	JOJELAINEN A 1034	JONES G N 46801 88424
106995 108187 108700	JOHNSON J I 96807	JOHNSON W M 22124	JOJELAINEN A 39043	JONES G O 11718 20534
JOHNSON A D 109241	JOHNSON J I 3322	JOHNSON W M 11405	JOJELAINEN A 1035	JONES H A 68184 69980
JOHNSON A E 71930	JOHNSON J L 80108	JOHNSON W O 51413	JOJELAINEN A 649	JONES H B 35255 96163
JOHNSON A G 3363	JOHNSON J R 85295	JOHNSON W O 27016	JOJELAINEN A 7695	JONES H D 97311
JOHNSON A H 47085	7444	57795 59533	JOJELAINEN A 85768	JONES H G 69416
6075	28654 28718 39983	JOHNSON W P 81383	JOJELAINEN A 41765	JONES H I 103243
JOHNSON A L S 76490	52713 59953 70455	JOHNSON W R 27590	JOJELAINEN A 83899	JONES H L 20975
9035	70490 80780	JOHNSON W T 37077	JOJELAINEN A 7001	JONES H L 108533 108552
JOHNSON A L S 12089 27001	JOHNSON J W 19561	JOHNSON A 75670	JOJELAINEN A 93728	JONES H W 13757 13786
26165	102441	JOHNSON B 97985	JOJELAINEN A 93729	JONES H W 22910 63199
JOHNSON A S 90960	32298	JOHNSON B 108416	JOJELAINEN A 35254	JONES H W 72926 75629
JOHNSON B 33259 80581	6895	JOHNSON H 56588	JOJELAINEN A 74738	JONES H W H 21598
JOHNSON B C 3090	JOHNSON K R 27776	JOHNSON T 99218	JOJELAINEN A 106897	JONES H W H 71488
52646 71798 82782	JOHNSON K V 36841	JOHNSON T 17888	JOJELAINEN A 61825	JONES I C 72844
JOHNSON B J 59189	JOHNSON L 31191	JOHNSON A 8933	JOJELAINEN A 27586	JONES I D 6051 6884
59994	81216 98751	17980 17981 17982	JOJELAINEN A 88478	JONES J A 15382 39487
JOHNSON B L 453	JOHNSON L A 31574	17983 17984 17985	JOJELAINEN A 16902	JONES J B 18962 20673
22199 103744	82380	17986 17987 25191	JOJELAINEN A 14529	JONES J C 105014
JOHNSON C 5155 5156	112	34028 34567 47112	JOJELAINEN A 72449	JONES J C 33240 43135
5157 5158 5159	17703 17704 17705	47113 75073 88604	JOJELAINEN A 41765	JONES J D 19332 48563
5160 5161 5618	17706 17707	88918 90151 90662	JOJELAINEN A 91971	JONES J D 59008 59019 69222
23604 23605 33260	JOHNSON L B 56348	JOHNSON A F 99386	JOJELAINEN A 30597	JONES J E 68652 86653
42992 42993 43362	JOHNSON K R 66373	JOHNSON A N 8100	JOJELAINEN A 79818	JONES J E T 4518
53569 53570 73574	JOHNSON L C 60662	JOHNSON C 101516	JOJELAINEN A 64157	JONES J E T 73003
73575 83849 106127	71250 91347	JOHNSON C 97218	JOJELAINEN A 57865	JONES J G 44408 46161
JOHNSON C A 106128	JOHNSON L E 22408	JOHNSON C F 3938	JOJELAINEN A 52912	JONES J G W 61646
43764	JOHNSON L F 22431	JOHNSON C F 24320	JOJELAINEN A 59438	JONES J G W 71648
82221	JOHNSON L F 7938	JOHNSON C I 57937	JOJELAINEN A 88477	JONES J K 38665
JOHNSON C B 91353	JOHNSON L J 2274	JOHNSON C O 78315	JOJELAINEN A 94373	JONES J K K 21646
JOHNSON C D 14528	JOHNSON L J 103563	JOHNSON C S 99947	JOJELAINEN A 99188	JONES J K K 69312
JOHNSON C E 33963	JOHNSON L M 45801	JOHNSON C S 107185	JOJELAINEN A 73867	JONES J L 59260
6770	JOHNSON L P V 27702	JOHNSON D D 73534	JOJELAINEN A 87442	JONES J M 32765
JOHNSON C G 24151	JOHNSON L R 57405	JOHNSON D E 21129	JOJELAINEN A 104051	JONES J M 20796 70674
14369	JOHNSON L R 33684	JOHNSON D R 60935	JOJELAINEN A 13130	JONES J O 29920
JOHNSON C M 33008 105538	JOHNSON L R 106288	JOHNSON E G 7534	JOJELAINEN A 8586	JONES J P 57938
9937	JOHNSON M 66499	JOHNSON E L 75899	JOJELAINEN A 89514	JONES J R 13648 13776
JOHNSON C T 19061	JOHNSON M A 86731	JOHNSON F D 60766	JOJELAINEN A 59197	JONES J R 72943 82931
JOHNSON D D 52849	JOHNSON M A 76991	JOHNSON F D 59715	JOJELAINEN A 82381	JONES K 27528
20485	JOHNSON M F 88329	JOHNSON G R 100416	JOJELAINEN A 49925	JONES K B 7163 62264
JOHNSON D D 72925	JOHNSON M L 20860	JOHNSON G W 58333	JOJELAINEN A 61413	JONES K B 97088
JOHNSON D E 51777	JOHNSON M W 97628	JOHNSON H L 46160	JOJELAINEN A 25651	JONES K B B 51654
JOHNSON D F 53192 82818	JOHNSON M W 18313	JOHNSON H S 23406	JOJELAINEN A 82381	JONES K M 29242
JOHNSON D G 28338	JOHNSON N 79143	JOHNSON I 4172	JOJELAINEN A 10605	JONES L 25652 39488
5983	JOHNSON N 27003	JOHNSON I 50417	JOJELAINEN A 76992	JONES L 61177 81172
66346 75991	JOHNSON N E 14272	JOHNSON J A 26783	JOJELAINEN A 34778	JONES L 91901 101517
JOHNSON D K 10642	JOHNSON N E 23393 23615 53030	JOHNSON J E 62398	JOJELAINEN A 70635	JONES L A 7549 26640
84802	53031 53032 81186	JOHNSON J E 92192	JOJELAINEN A 106569	JONES L A 85684 88526 99091
JOHNSON D P 75200	JOHNSON N E 95035 105370 105371	JOHNSON J H 1593	JOJELAINEN A 61336	JONES L D 108112
JOHNSON D R 70114	JOHNSON N E 35777	JOHNSON J L 75064	JOJELAINEN A 62177 71740	JONES L D 74846 105108
95135 104052	JOHNSON P 35636	JOHNSON J L 33938	JOJELAINEN A 105443	JONES L H 18963 69854
JOHNSON E 38609 38610	JOHNSON P 97729	JOHNSON J O 61996	JOJELAINEN A 72888	JONES L H P 39838
JOHNSON E A 8514	JOHNSON P E 1506	JOHNSON K G 62043	JOJELAINEN A 59821	JONES L M 13038 42188
27603 27604 36558	JOHNSON P L 60421	JOHNSON K G 71738	JOJELAINEN A 59883	JONES L S 29718
36559 46659 57360	JOHNSON P L 1215	71739 72975	JOJELAINEN A 16559	JONES L W 9828



	ITEM		ITEM		ITEM		ITEM		ITEM
JONES M	64966 74301	JONSSON N	1594	JOS J S	18566	JUANG P Y	90233	JUNGERSEN O	62108
	81736 98149	JONSSON P	52506 52507	JOSAFATSSON G	53932	JUBB K V F	30922		62443
JONES M A	7514 34834		104852	JOSE A M	98383	JURB S	59883	JUNGES W	48170 48242
	86498	JONSSON S	9450 47750	JOSE D K	53848	JUBERTHIE C	53193		89515
JONES M B	29719 39984	JONYNAS J	29067	JOSEFSSON A	69548		94736	JUNGHANS G	6771 15944
	50043 101971	JOOP R	102904		78236 79298	JUBERTHIE-JUPEAU	94737	JUNGHANS H	12173
JONES M D R	14919	JOOP W	25653	JOSELYN G B	108605	L		JUNGHARE Y N	36079
	73693 106083	JOSS J L	83409	JOSEPH A	86468	JUCCI C	18727 27703	JUNGHERR E L	13519
JONES M E	46860	JOSS G A	7003	JOSEPH A A	17219 25346		46620 78026	JUNGK A	101729 101753
JONES M J	91266	JOSSE-VAN-DAMME	23952	25359 25464	25465	JUCHAULT P	63876 63877	JUNGK E	13199 92193
JONES M L	41922 43514	E N G		27340 46484	108970	JUCKER E	70202	JUNGMAAN A J	109071
JONES O P	28205	JOOST K	6357 6437	JOSEPH C A	28832	JUCKER H	93092	JUNGMANN R	41611 72846
JONES O T G	9829	6478 65133	65134	JOSEPH E	9276 37501	JUDD B H	33163	JUNGNITZ M	22202
JONES P A	2475 14273	74901	85213	JOSEPH J	18425 37704	JUDD L C	100806	JUNGO J	80804
	23755 95011	JOOSTE C J	27055		57584	JUDD P	2541	JUNIERE P	85007
JONES P E	79333	JOOSTE J VAN DER	1356	JOSEPH K	25346 25465	JUDD W W	5090 64102	JUNIPER B E	658
JONES P H M	26651	W			76893 76886		77472 83732		99913 99920
	55295	JOOSTEN J H L	86853	JOSEPH K J	43363	JUDENKO E	73711	JUNKEN E R	65260
JONES P M T	56542	JOPPA L	59414		73758	JUDGE G G	7996 34086	JUNOR R S	91344
JONES Q	38884 55587	JORAND J	57583	JOSEPH R	65633		54700 56029 74477	JUNQUEIRA A A B	26914
	55819 66025	JORD	70228	JOSEPH T	18314		75715 75962	JUNQUEIRA A B	26915 108512
JONES R	6713	JORDAHL E	57356	JOSEPH-NATHAN P	19398	JUDGE H V	17050	JUNQUEIRA P C	84309
JONES R B	87215	JORDAN A M	5277	JOSEPHSON E S	6193	JUDGE J F	15943	JUNQUEIRA P DE C	26055
JONES R C	104198	JORDAN C R	39340 73200	JOSEPHSON H R	80974	JUDGE M D	13697 72905	JUNY M	62444 65804
JONES R D	59716	JORDAN D	5910 53778	JOSEPHSON L M	63527	JUDGES K C	42120		65805
JONES R E	96824	JORDAN D C	37703	JOSHI A B	11143 77180	JUDKINS H F	17335	JUO P S	27327
JONES R F	9830 18682	JORDAN D H	29612	JOSHI B C	47867 58414	JUDKINS R L	71744	JUON P	21368
	28341 31576	JORDAN E	78546 79819		92192	JUDKINS W P	54946	JUPP N C	39217
JONES R G	44365 73999	JORDAN F	107222	JOSHI B G	14530	JUDSON C L	33226	JURA C	14370
JONES R H	78142 100638	JORDAN F E	53723	JOSHI B S	53384	JUDY J K	22861	JURACEC A	11147
JONES R K	362 9052	JORDAN F T W	53724 4173	JOSHI D A	26652	JUDY R	35637	JURAKOVA J	58265
	27146	31033 72626	82618	JOSHI H B	31927	JUDY S	45674	JURAND A	5276 33161
JONES R L	2138 20438	JORDAN G	96183	JOSHI H C	42002	JUDY W	70557		42033
	39720 57352	JORDAN H D	20864	JOSHI L M	3599	JUEL N	30923	JURASEK L	12272 12273
	80168 90868	JORDAN H P	43453	JOSHI M G	11143 47278	JUEL NIELSEN A	59108	JURCA J	21193 30287
JONES R M	21283 45354	JORDAN H V	50044	JOSHI M P	47280	JUENGE E C	29244		40603
	50418 61127	JORDAN J	62735	JOSHI M S	98151 59213	JUERGENSON E M	30775	JURCZAK M	3838 62508
JONES R S	13376 103746	JORDAN J W	51753	JOSHI N	62200 103244	JUERS L	79441 32306	JURCZYNSKI T	54610
JONES R W	7002 10776	JORDAN K A	4174 15048		11179	JUERS L E	96724	JURD L	44757 55164
	28971		43765	JOSHI R S	103245		45708		100641
JONES S B	11052	JORDAN K H C	87922	JOSHI S	101382	JUGA M	66636	JUREEN L	6060 34139
JONES S C	87976	JORDAN L B	102175	JOSHI S C	8613	JUGOVIZ R	1852	JUREIT S	85460
JONES S E	73199	JORDAN L G	44690	JOSHI S K	41439 63154	JUHASZ I	91520	JURESCOVA G	62346
JONES S T	29066	JORDAN L S	39493 39494	JOSHI S S	82560	JUHASZ L P	104361	JURGELSKY W	63005
JONES T	23606 63707		101478	JOSHI S S	26054	JUHASZ P	11396	JURGENS H	96355
JONES T A	63677	JORDAN M B	101311	JOSHUA J O	3837 31577	JUHASZ S	13518	JURGENS-GSCHWIND	18967
JONES T C	71741 83046	JORDAN M F	87328		31578	JUHASZ V P	103354	JURI R	86854 86855
	93834	JORDAN R A	23439	JOSIFOV M	95203	JUHE H	75259	JURIK L	11910 30631
JONES T E	41437	JORDAN R C	71251	JOSTIFOVIC M	99605	JUHL A U	57278	JURIMAE A	2794
JONES T H	24871	JORDAN R M	15411	JOSLIN K	67046	JUHL K K	99092	JURINAK J J	2627
JONES T J	3537		48723	JOSLIN S W	6338	JUHL M	99696	JURKO A	18437
JONES T L	26471 35474	JORDAN V W L	63046	JOSLYN M A	27303 44601	JUHLIN-DANNFELT M	91521	JURKOVIC M	12099 97730
JONES T W	30556	JORDAN W A	27861	JOSLYN M A	85002 85004	JUHN M	72553	JURKOWSKA H	60408
JONES U S	70556	JORDAN W K	82867	JOSOWIDIGOOD S	85005	JUHN M	74952		60409
JONES U H W	15899		64890	JOSS G E	30918	JUILLERAT M	35042	JURMAN A Z	60623
JONES W A	63408	JORDANO-BAREA D	74687	JOSSELIN G	6114	JUILLERAT M E	56589	JURMANDOVA K	42294
JONES W E	39489 87016 87443	JORDANOV I	47643	JOSSOUD M	7004		75507	JURRIENS G	26145 97221
	91582	JORDAO L P	41438	JOSSY D	95671	JUILLY M	85831	JURISIC F	9034
JONES W L	34890	JORDINE E S A	11259	JOSS H	44458	JUILLY M E	34799 85832	JURUBESCU V	22533
JONES W O	5985 43883	JORDON R M	13645	JOSS T	23000	JUKES T H	8420 83162		23051 63114
JONES W W	6497 11703	JORDOVIC M	58081	JOSS W	53571	JUL M	6194 74503	JURUBITA J	18829 24650
	20430 60407	JORDT H J	77905	JOSTMEIER H	71542		85006		24710
JONG A DE	19761 91849	JORE R	16696	JOTWANI M G	4824 14115	JULA F	101611	JURY K E	103682
JONG B DE	96292	JORGE D	106685		14116 105043	JULANDER O	69549	JURY L	20014
JONG C DE	33009	JORGE J DE P N	32829	JOUBERT A F	50651	JULEN G	59344	JURY L E	39218
JONG D J DE	37078		11634	JOUBERT D M	3192	JULIAN R J	100737	JURIZITZA G	63939
	73255 105281	JORGENSEN A	15527	JOUBERT G F	72101	JULIANO B O	72960	JUSATZ H J	36474
JONG G J DE	79093		51523	JOURET J	9832		55296	JUSCAFRESA B	28861
JONG J	69694	JORGENSEN C	103748	JOURET J	22200	66012 78369	95964		47279 49083
JONG J J DE	4269		6337	JOURET L	21861	JULIANO J O	107483		52721 87751 91100
	97312	JORGENSEN C A	66635		42302 61926	JULIEN J B	98442		91583 96780 101116
JONG K DE	74775	JORGENSEN C D	66635	JOUGHIN M	71742 19192	JULIENNE P	277		101215 105282 109165
JONG M P DE	62107	JORGENSEN C D	36473	JOUHANNAUD G	15588	JULIN E	42318	JUSIC M	68171
JONG P DE	77546	JORGENSEN E	5162	JOHANN C	84308	JULIN E	89911	JUSTIK H	35256
JONG S DE	41617 82069	JORGENSEN E G	47606	JOHIN C	84257	JULL D J	18436	JUSKA F V	8935 49198
	82070	JORGENSEN F	1440	JOULE J A	43200	JULLIARD B	41320		70115 79575
JONG S H DE	56647	JORGENSEN F	1400	JOURET C	96965		78548	JUSSIAUX C	69405
JONGEBREUR C C	109159	40501 40502	40444	JOURDANNEAU J C	101051		101519	JUSTE C	2156 78454
JONGERIU A	2275	JORGENSEN G	50533	JOURDHEUIL P	89895	JUMAH H F	62065		78549
	80169		71027	JOURET C	82382	JUMAR A	83197	JUSTESEN S H	7919
JONGKIND M	28972	JORGENSEN G	3926	JOURET C	96256		87523	JUSTIN J R	38673 39436
	29254 29255	27506 31641	62564	JOUSSELLIN W	73482	JUMDAAN SH	75948		58320 79763
JONHAGEN U	39491 39492	62565 92848	104061		12892	JUMIKIS A R	90807	JUSTIS P	75511 76777
	7689	JORGENSEN H	6498	JOUSTRA M K	99387	JUMINER B	104176		76778 86095
JONKER F P	21 67710	54609 85297	95636	JOUVET M	82620	JUMP J A	650	JUSTUS F E	26916 97971
JONKER J J	79093	JORGENSEN I H	70455	JOVANCEVIC M	2824	JUMPER A	15962	JUSTUS N	812 9584
JONKERS A H	42494	JORGENSEN J	70455		77446	JUNACK	2826		69483
	83208	JORGENSEN J H	811	JOVANIC M	32646	JUNACK H	21130		79242
JONKERS H	58689	JORGENSEN J H	93023	JOVANOVIC S	27192	JUNCKER F	97580	JUSZCZAK J	61991 72933
JONKHANS-STEENBERG G G	97662	JORGENSEN K L	72211	JOVANOVIC S	4416	JUNCO-Y-REYES J J	14810		85299
	113	JORGENSEN O B	96504	JOVET P	2825	DEL		JUTA E H P	61316
JONSELL B	103580		44906	JOVET-AST S	17599	JUNCU A	89584	JUTRAS P J	43656 58711
JONSGARD K	26166	JORGENSEN P	75411	77442 77443	77443	JUNCU V	70558		64470
JONSSON A	65464	JORGENSEN R N	23065	JOVIC D	99014	JUNG G A	103134	JUTRAS P T	64524
JONSSON A G	60622		21482	JOVIC D	30308	JUNG H B	93872	JUTTE S M	81594
JONSSON A L	52545	JORGENSEN S	98752	JOVMIR G	2539	JUNG H F	3601	JUTTING W S S VAN	8449
JONSSON B	53773	JORGENSEN S J	65488	JOVTSCHIEFF A	35172	JUNG J	18966	JUUL K	27508 95454
	82071	JORGENSEN S J	101518	JOWETT D	47644	JUNG K	27958	JUURANTO K	36233 54448
JONSSON B I	460	JORGENSEN E C	77962	JOWETT R	99571	JUNG L	97220	JUURIKAS P	68152
JONSSON E	82684 82685	JORGENSEN G E	85479	JOY K W	58593	JUNG M	92606	JUUSELA T	91267
	96107 97424	JORGENSEN H T	76523	JOYCE A E	10184	JUNG R A	85298	JUUTINEN P	23394
	101728	JORGENSEN N	78547	JOYCE C R	5348	JUNG R C	52782	JUVE A E	107868
JONSSON G	4342	JORIS	48846	JOYCE J P	23008	JUNG S	31704	JUX U	36642
	13684 13696	JORIS E	79915	JOYNER A E	42163	JUNG Y	95498	JYLLING K K	52248
	52443 52444	JORK H	36232	JOYNER J F	68629	JUNGE H R	15300	JYTHI K K	46451
	81786 92463	JORNA P J	59422	JOYNER L P	22606	JUNGE J	34891	JYRANKO P	59717
JONSSON J	19450	JORRITSMA J	74053	JOZEFACIUK A	91343		85297	JYUNG W H	68847
JONSSON L	56826 63045	JORSS E	90280	JOZEFOW W	63113	JUNGEHULSING	92643		
	101972 108281	JORSTAD F A	114	JOZIA S	79146	JUNGERIUS P D	93839		
		JORSTAD I	210	JOZIAK W	45788	JUNGERMAN P F	91973		
				JUAN V	75242	JUNGERMANN K	9833		



K		ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
KAABER S		105985	KAECENBEECK A	72275	KAISER W J --CONT	100264	KALISTRATOV V	25970
KAAI C		27367	--CONT	92465	KAISERSLAUTERN E	43455	KALIVODA M	85518
KAAI T		98290	KAEDING D	18144	F		KALKAN M	83878
KAARDE J		71745	70117	77731	KAISLER V	80584	KALKIPSAKIS C G	41022
		92464	KAERISER M	99915	KAJA L	49789	51261	61481
		93658	KAEMMERER K	12502	KAJAK A	63879	KALKREUTH C	104492
KAARIK A		99388	KAEMPFER E	106964	KAJANNE P	45148	KALKSCHMIDT J	84534
KABACIK D		63940	KAEMPFER E	79899	KAJI M	90153		85461
KABADI B		59020	KAEMPFER E	30715	KAJI T	3966	KALLAI L	81788
KABAKOV M M		102178	KAEPNER W M	34569	KAJIHIRO E S	43136	KALLAS Z YU	91101
KABANOV P G		91013	KAERYAMA K	28655	KAJIMOTO G	107729	KALLASTE A	88144
KABANOV V D		63207	KAESBERG P	88894	KAJIURA	32323	KALLAY B	106362
KABASHEV V N		102796	KAESCHER-KRISCHER	30729	KAJIURA M	58693	KALLAY K	10337
KABAT C		105015	B		KAJIWARA K	3603	KALLBRUNNER H	87544
KABATA-PENDIAS A		80033	KAESTNER A	94738	KAJIWARA T	9064	KALLMAN B J	13910
KABEN H		38166	KAFEL S	25862	KAJIYAMA T	7569	KALLIO E	59571
KABIERSCH		1949	KAER E	100058	KAK D	47280	KALLIO P	47751
KABIERSCH W		39363	KAERSTEIN F K	75614	KAKABADZE V M	60775	KALLISTRATOS G	3325
KABIR A K M F		94468	KAGAN F	37079		60775		52636
KABISH A A		62131	KAGAN I G	4703	KAKACHEVA-AVRAMO-	81787	KALLMAN B J	4651
KABLE P F		27160	KAGAN I S	6885	VA D			23036
KABLER P W		54988	KAGAN V Z	15366	KAKADE M L	54995	KALMAN C	73382
KABLOTSKY Y H		82552	KAGAN Z S	48565	KAKAR S N	813	KALMAN S	29405
KABO L D		28422		69229	KAKHETELIDZE M K	7716	KALMANCHEY E	93975
KABOT F J		75702		69230	KAKHNOVICH L V	38571	KALMANSON G M	52438
KABRT A		30494	KAGANOV I N	35349	KAKIHARA M	102485	KALMANSON S YA	71931
KABRT J		13777	KAGAWA A	27976	KAKIMOTO K	92466	KALMAR Z	88754
KABURAGI G		33551	KAGAWA K	85987	KAKINUMA S	32052	KALMBACH M P	34478
KABURAKI Y		26342	KAGAWA T	19333	KAKINUMA T	107539	KALMBACHER G	17711
KABUTO M		62401	KAGAYA A	16431	KAKISAKI M	96851	KALMBACHER G A	1903
KABYSH S		16697	KAGAYAMA K	35639	KAKIUCHI G H	65711	KALMUS H	73712
		35638	KAGER A	76613	KAKIUCHI Z	102486	KALMYKOV A S	84318
KABZHANOV V		108418	KAGI B	96725	KAKKAR R K	68217	KALMYKOV G M	82463
KAC J		40184	KAGIND T	51325	KAKOLEWSKI P	66217	KALMYKOV K V	22742
KAC-KACAS M		49713	KAGNER Y	66387	KAKOLEWSKI P	66217	KALMYKOV P	106271
		54114	KAGNER YA	45803	KAKOLOWA I	59210	KALMYKOV S S	30007
KACANSKI T		3193	KAGOSHIMA Y	66026	KAKUDA I	35257	KALMYKOV V I	87315
KACAR B		48091	KAHAN A	74548	KAKUDA K	31930	KALMUS V	54737
KACHALOVA Z P		17989	KAHAN R S	107358		79169	KALNINA V	15468
KACHANI Z F C		62831	KAHAN S	85119	KAKUK T	3283	KALNINS A	51292
		62832	KAHILA S	61461	KAKULIYA G A	14531	KALNINS J	3283
KACHANOVA A A		42889	KAHK K	67842		105646	KALNINSH A	81384
KACHANOWSKI S B		38350	KAHL E	57797	KALACHEVA V YA	58694	KALNINSH A I	102577
KACHARAVA P M		97972	90665	95925	KALADZHYAN N L	9704	KALNITSKY G	10220
KACHEL S		16202	KAHL W	78981	KALAIDZHIEV I	38836	KALOCSA Y	16626
KACHINSKII N A		29450	KAHLENBERG O J	4096	KALAIDZIEVA S	38837	KALOGERIS B	90636
		49622		7377	KALAMARZ E	53572	90637	90647
KACHROO J V		27161	KAHLER W	7863	KALAMEES K	26943		90649
KACHROO P		36951	KAHLON A S	97854	KALAMEES U	26944	KALOVOULOS J M	2159
KACHURINA L I		10699	KALHLOW E	84041	KALAMKAR V G	19036		39721
		10777	KAHME E	72396	KALANGI C J	17052	KALOYEREA S A	24321
KACIN J		103815	KAHN A	100621	KALANI I K	8843	KALRA A N	14117
KACIUBA-USCILKO H		13585	KAHN A B	98443	37255	67950	KALRA D S	151868
KACKER K P		11204	KAHN A J	100262	KALANTAR I L	22038	KALRA R L	83267
KACPERSKA-PALACZ A		90664	KAHN B	54529	KALANTAROV A A	70118	KALSHOVEN L G E	53259
KACPERSKA-PALACZ A		9451	KAHN G	24655	KALANTAROV M I	18969	KALTENBACH A	53533
KACSO A		24166	KAHN J	105570	KALASHNIK N S	37862	KALTER S S	81789
59954		70116	KAHN J S	69231	KALASHNIKOV S YA	90099	KALTOFEN H	10461
KACZIAN V		57796	KAHN L	73085	KALASHNIKOV A P	30924		39985
KACZKA E A		58633	KAHN N A	16698	KALASHNIKOV A P	62109	KALTOFEN R S	50045
KACZKOWSKI J		89853	KAHN R P	9223	KALASHNIKOV P L	81573		4271
KACZMAREK A		22429	KAHN S G	4175	KALB K	65221	KALUDIN K	104363
KACZMAREK F		4322	KAHN V	69233	KALBRAG S S	24828	KALUDITZ W	78982
4323		19337	KAHNIEWICZ K	62243	KALBRANDE A R	90870	KALUGIN V I	61533
KACZMAREK J		63176	KAHNT G	38570	KALBE L	67920		12633
KACZOR Z		89669	KAHOVCOVA J	75748	KALBFLEISCH W	73917	KALUGIN V V	81790
KADAMBI K		69550	KAHRE L	7411		73917	KALUGINA A S	36475
KADAN R S		6499	55788	55789	KALCHBRENNER K	94840	KALUGINA A S	70559
KADAR B		19451	75815	86427	KALCHENKO M M	103657	KALUGINA N S	43078
		80583	100908	107884	KALDA A	98912		43078
KADAR GY		89517	KAHRS M	43454	KALDEWEY H	48173	KALUZHENOVA Z P	42939
KADAR U		23986	KAI Y	41038	KALDOR D R	45573	KALUZHINA T N	13951
KADAR T		12632	KAI-HSIN J	41046	67108	67148	KALVAITIS A	31962
KADATSKAYA K P		14029	KAI-DANDV L Z	14631			KALVELID E	72045
		14030	KAILA A	2158	KALEGANOV A	19828		76614
KADDAH M T		1036	70292	70293	KALFLA A	47645	KALVERKAMP U D	82324
KADEN N N		99914	80034	80034	KALELA E K	50867		84414
KADEN O F		44183	71457	71457	KALERVO T	75243	KALYANPUR M R	84486
KADENATSII A N		61787	KALIESKI L G	20976	KALERVOT	20976	KALYNA T	26058
KADERAVEK G		26057	KALEV G	81973	KALF S N	3373	KALYUZHNYI I S	77456
		107001	KALEVA E YA	31823	KALECZYC M	89484		91268
KADESJO S		73381	KALFOV S	38169	KALEGANOV A	19828	KAM L	98117
KADIISKI E		51655	KALIA H R	651	KALFLA A	47645	KAMADA K	33855
KADKOL S B		97273	KALICH I	82236	KALELA E K	50867	KAMADA M	35217
KADLEC J		56184	KALICH J	92644	KALESKI L G	20976	KAMADA T	24382
KADLEC J E		26555	KALIK E B	42159	KALEV G	81973	KAMADA T	30153
KADLICKO B		50365	KALIKINSKII A A	80326	KALEVA E YA	31823	KAMAKATA I	35779
KADLUBOWSKA J Z		99031	KALIT E B	31081	KALFOV S	38169	KAMAKURA T	29245
KADMAN A		38167	41471	41472	KALIA H R	651	KAMAL A H	64192
KADMAN-ZAHAVI A		18968	41482	41484	KALICH I	82236	KAMAL M	17894
KADO C I		37449	41548	41723	KALICH J	92644	KAMALAM N	26947
KADONO H		31928	41835	41858	KALIK E B	42159	KAMALOV G KH	10900
KADONO Y		96757			KALIKINSKII A A	80326	KAMALOV G V	82716
KADOTA H		101805			KALIT E B	31081	KAMALOVA G	18970
KADRY A EL R		58690			41471	41472	KAMALYAN G V	9834
KADULIN S		34430			41482	41484	KAMALYAN V SH	52367
KADUSHIN N		106206			41548	41723	KAMANO S	105986
KADYRKHODZHAEV P		11580			41835	41858	KAMANDI M	18728
KADYROV D		7862					KAMAR G A R	13431
KADYROV SH K		1271					42004	52156
KADYRSHAEVA A		7502						52318
KADZHAYA G SH		14450						104364
KADZILKA A		31579						73524
		62626						23146
KAF B M		23182						5341
KAEBERLE M L		13830						88104
		104853						69720
KAECKENBEECK A		62367						17857
								77457
								20452
								4434
								56445
								56590
								35861
								31955
								2827
								35891
								63548
								63550
								63549
								63550
								63549
								63550
								63549
								63550
								63549
								63550
								63549
								63550
								63549
								63550
								63549
								63550
								63549
								63550
								63549
								63550
								63549
								63550
								63549
								63550
								63549
								63550
								63549
								63550
								63549
								63550
								63549
								63550
								63549
								63550
								63549
								63550
								63549
								63550
								</



ITEM	ITEM	ITEM	ITEM	ITEM
KAMSHILOV M M 77114	KANO R 4767	KAPPUS A 18971	KARCZMARZ K 8785	KARPENKO T 34820
KAMURA T 20466	KANO S 38492	KAPRZYK Z 87189	KARDO-SYSOEVA E K 36952	KARPER R E 815
28502 60173	88946	KAPSA E 28656	99015	KARPF A 21846
KAMURO Y 100331	KANO T 81595	KAPSHAL K N 90293	99245	KARPIAK S E 104178
KAMYANO I L A 105372	KANO Y 52626	KAPTSINEL M A 28796	90844	KARPIK N I 102674
KAMYNN I N 103767	KANOE M 61841	KAPTYUSHINA G A 34864	4311	KARPILOV YU S 38438
KAMYN 41012	KANORA J 75021	KAPUR A P 73576	94889	KARPINSKI J J 23870
KAMYSHKOV O P 57724	KANORIA S S 107917	95455 95637	105640	47754 73816
57725	KANORIA T 107918	KAPUR A S 55006	KAREM A A 14118	KARPINSKII N P 29722
KAMYSHKOV A 60810	KANSU I A 14874	KAPUR G L 66240	82292	KARPOV A 53763
KAMYSZEK F 32160	KANTA K 68483	KAPUR K L 28843	109006	KARPOV K 56141
KAN L T 44472	KANTA S 4809	KAPUR O P 24828	75455	KARPOV M S 84517
KAN M 15853	KANTACK B H 42737	KAPUR S L 94022	40218	KARPOV S P 42495
KANAFODJSKI C 64471	52858	KAPUSCINSKI S 94890	79300	KARPOV V G 78027
106208	KANTE E 15460	KAPUSTA E C 50419	42995	KARPOVA E S 11585
KANAHAKA I 93451	KANTE L 87188	KAPUSTA F 35350	12791	KARPOVA O 97157
KANAHARA K 32053	KANTHAMANI S 27591	KAPUSTA G 79299	41323 41473	KARPOVA-BENOIS E 67542
95782 97856	66028	KAPUSTIN V 34734	92194 103111	I
KANAI H 8643	KANTLEHNER H 74776	KAR A B 93348	5091 5092	KARPOVICH I V 48177
KANAI K 78984	KANTNER A H 26653	KAR A K 38170	33059 105192	KARPOVICH M B 51610
KANAI T 42303	75993	KAR K 372 79384	41620	KARPOVICH V N 60352
97082	KANTOLA M 2902	99389	39709	KARPOVICZ H 6558
KANAMITSU K 84147	21669 91656	KARA S 103110	56434	65209
105881	KANTOR I 106209	KARABAEVA R P 4955	35640	KARPOVICZ W 98993
KANAPATHIPILLAI P 50042	KANTOR M 91269	KARABALAEVA R M 49714	KARGOL M 70861	KARPOVICHES H 55299
KANARDOV I P 70733	KANTSEPOLSKI I A 104591	KARABANOV S A 75457	KARGOL Z 63471	KARPPINEN E 14371
KANAREV G 39594	KANTZES J G 371	KARACSONI I 80329	KARIB E A 39722	KARPUS M M 32369
73457	9065 9066	KARACSONY E 88561	KARIM A 17993	KARPUSHKIN L T 68958
KANARIK U 93263	14166 27163	KARACSONY F M 38572	KARIM C F 43366	KARPUZIOI K S 32686
KANATCHINOVA M K 90921	27165 32812	KARACSONYI S 30711	94048 94162	KARR G L 25904
KANAUCHI T 15617	KANUNGO K 14451	KARADZI G M 10672	59021	KARR M R 32209
KANAYAMA T 33958	52679 94739	KARADZHOV K 42261	80330	63744
KANAZAWA A 28340	KANWAR J S 11532	48848	56591	KARRAKER E 70455
KANAZAWA H 681 29854	39749 39932	KARAEROV P G 10339	79301	KARRAR G 4177
KANAZAWA K 20136	50047 100265	KARAGOZGVA M 99917	28499	22632
78975 87018	101859	KARAGUISHIEVA D 92548	KARIMOV S 26104	32687
KANAZAWA N 35780	KANWAR R S 60672	99147	KARIMULLAH 26050	KARRHOLM E M 54832
KANAZAWA T 2656	KANZAKI H 35781	KARAGUISHIEVA D 97180	97267 107433	KARSAI F 13030
KANCHAVELI K G 27406	KANZAKI S 32054	101801	39584	52599
57688	32056 35782	KARAHAN O 83853	KARIS H 88606	KARSCHON R 40646
KANDA M 1491	KANZAKI T 33649	KARAHASANOVIC A 61587	76945	78554 103268
KANDA S 20138	KANZLER K 7414	KARAI G 2695	85008	102489
97857	KAO C 2765	KARAI J 43804	36318	KARSO-SYSOEVA E K 18972
53116	KAO C N 105543	KARADINOVSKAYA I 13520	39987	KARSTAD L 3931
53120	KAO C P 90322	KARAIIVANOV A 79147	A 24372	104072 104073
KANDALOV V I 92293	KAO F H 33996	KARAIIVANOV I 95725	KARKAL M 65062	KARSTENS J 6559
KANDASAMI P A 48984	KAO G Y 95048	KARAIIVANOV L 103195	KARKKAINEN V J 65159	54714 93453
11189	KAO H 50048	KARAJEVA N I 57689	KARL E 94379	KARSTENS W K H 18567
KANDATSU M 41321	KAO K C 8388	KARAKAYA K 84445	KARL E 94379	KARTALOFF P 39365
51526 104527	KAO M T 46907	KARAKULOV I K 103246	KARL V 13826	KARTALOV P 38171
108956	KAO S C 105388	KARALEEV S 9734	KARLBERG S 12057	69981
KANDEL S I 77121	KAO T C 74398	KARALI E F 9840	27510	KARTAMYSHEV V G 101357
KANDELAKI G V 48174	KAPACHEVA A N 107731	KARALUNS V 55433	71190	KARTARYAN T G 57799
KANDELER R 9836	KAPADIA Z 8745	KARAM H A 13656	53820	KARTASHEVA E N 19711
89516	KAPADIA Z J 17601	KARAMAN Z 42994	KARLE H 53820	KARTASHEVA Z P 826
KANDIAH S 101092	KAPADIA Z J 37705	KARAMANOGLU K 22	KARLGARD K 63760	KARTASHOV L A 105396
KANDINA G V 78396	KAPADIA Z S 94740	KARAMBIROV N A 11732	15627	KARTASHOV M V 91547
78552	KAPAL E 103167	KARAMENDIN O S 3605	KARLING J S 64617	KARTASHOV YU D 50721
KANDLER R P 94134	KAPANADZE A D 102487	KARAMETE K I 3606	68486	KARTAU S 100269
KANDLER 34432	KAPANADZE E E 58695	KARAMEY S 68990	77473	KARTAVENKO N T 91687
KANDLER O 1358	KAPANADZE P I 76877	KARAMEY S 68990	62744	KARTEN I 33122
54507 54508	KAPAS L 24322	KARAMEY S 68990	13943	KARTHA A R S 1359
54600 78985	85312	KARAN D 99466	KARLOG O 109152	1360 7287 35173
96416 100271	KAPELEV I G 101973	KARAN DJURDJIC S 2477	104426	78987 85121 86291
47646	39094	KARANDAIEV I G 87806	52076	86292 97223 107732
KANE J G 45154	KAPELLE T 62660	KARANDAIEV V P 105751	KARLSON A G 93017	KARTHA C C 7043
KANE R J 84925	KAPELNER H 102380	KARANDAEVA P 84192	33010 63827	KARTMAN L 32657
KANEDA T 16301	KAPER J M 47494	KARANDAEVA P 84192	73643 73878	32658
36376	KAPIL R N 9467	KARANDAEVA P 84192	84192	94176
KANEHIRO Y 104177	KAPINOS G E 27531	KARANDAEVA P 84192	94647	KARTSEVA K 34666
KANEKO A 64057	KAPITANAKI M V 13041	KARANDAEVA P 84192	51393	KARTUNARATNE S W 16376
KANEKO J 93452	30925 31331	KARANDAEVA P 84192	61026	KARUNIN B A 101398
KANEKO J J 13040	KAPITONOVA O N 68519	KARANDAEVA P 84192	21862	KARVANDOVA-KUBAT- OVA J 25706
41619	KAPITZA W 5572	KARANDAEVA P 84192	181850	KARVANKOVA-KUBAT- OVA J 25706
KANEKO K 13986	KAPLAN A M 25193	KARANDAEVA P 84192	38944	KARVANKOVA-KUBAT- OVALJ 25706
KANEKO S 31503	KAPLAN E 6373	KARANDAEVA P 84192	108958	KARVE A D 89519
KANEKO T 592	KAPLAN F 22880	KARANDAEVA P 84192	88528	KARVETTI M 74504
40938 47579	KAPLAN J 50789	KARANDAEVA P 84192	106210	KARVONEN P 24367
KANEL D 76491	KAPLAN L 100336	KARANDAEVA P 84192	75623	KARVONARIS P A 71746
KANERVA P 70913	KAPLAN M M 22203	KARANDAEVA P 84192	75671	KARWOWSKI T 28749
KANERVO V 14741	KAPLAN N O 58976	KARANDAEVA P 84192	55529	33553 33650 95865
77588 105204	KAPLAN R W 47921	KARANDAEVA P 84192	84934	KARYAKINA T I 10215
KANEV S 52396	KAPLAN S 27704	KARANDAEVA P 84192	102779	KARYAKINA A F 63263
61653 104603	KAPLAN V A 71663	KARANDAEVA P 84192	43922	KARZON D T 13269
KANEVSKAYA I G 101806	KAPLAN W D 53333	KARANDAEVA P 84192	86286	KAS M S 43957
KANEY A R 48175	KAPLANIS J N 95591	KARANDAEVA P 84192	92307	KAS V 87857
KANG C 105109	KAPLINSKII M I 29922	KARANDAEVA P 84192	59572	KASABONEVA Z 100134
KANG C Y 99254	KAPLONOV M M 80328	KARANDAEVA P 84192	100267	KASABOV V 31906
KANG H 37080	KAPLONOVSKI P S 30380	KARANDAEVA P 84192	95973	KASAHARA S 35678
KANG U S 49326	KAPLYUK L F 39840	KARANDAEVA P 84192	98674	KASAI K 30105
KANG Y S 73642	KAPOOR B M 9521	KARANDAEVA P 84192	26545	KASAI T 15862
KANG Y T 28906	58273 89135	KARANDAEVA P 84192	90255	KASAI Z 18981
KANGAS E 17992	8857 47291	KARANDAEVA P 84192	93336	KASAMA K 104210
KANGAS J 3937	KAPOOR J N 8857	KARANDAEVA P 84192	81270	KASANG G 23492
KANGASPERKO J 24717	KAPOOR K L 58515	KARANDAEVA P 84192	16329	KASANO H 27979
KANGUDE G M 4176	KAPOOR L D 7247	KARANDAEVA P 84192	91747	KASAPLIGIL B 39221
KANIA C 23211	29407 29421	KARANDAEVA P 84192	26797	78141
KANIMETOV A K 14055	47704 49551	KARANDAEVA P 84192	7084	KASASIAN L 70119
KANIOK R 81641	68485 88229	KARANDAEVA P 84192	7864	KASATKINA I D 59222
KANIS A 18567	90780	KARANDAEVA P 84192	77860	KASBEKAR G S 27389
KANITKAR U K 38801	KAPOOR S L 17713	KARANDAEVA P 84192	74522	KASBERG N E 7939
KANITTHAYON K 8101	KAPOSTS V 81596	KARANDAEVA P 84192	39841	76415 84608 95829
KANJANASOON P 27162	KAPP E 60742	KARANDAEVA P 84192	91004	KASBOHM C 3840
KANN G 82447	KAPP P 52249	KARANDAEVA P 84192	75640	KASCHAF A H 63942
KANN I A 49870	KAPP R O 8587	KARANDAEVA P 84192	35100	95032 105882
KANN K 59519	36644 77182	KARANDAEVA P 84192	35102	KASDORFF K 2373
KANNAN S 9838	KAPPEL J 67907	KARANDAEVA P 84192	38575	90154
KANNENBERG H 9839	KAPPEL W 1037	KARANDAEVA P 84192	77261	KASEGAWA T 16801
KANNIYAN K 60411	KAPPELLER K 74604	KARANDAEVA P 84192	90518	KASHA K J 816
KANNO C 37863	KAPPER V G 81123	KARANDAEVA P 84192	101312	KASHAKASHVILI M A 97266
KANNO I 29613	KAPPETEIN G C 34809	KARANDAEVA P 84192	100807	KASHANSKII A D 49831
29615 36476	KAPETER I 53933	KARANDAEVA P 84192	100808	70436
KANNO K 60252	KAPPEY F 41772	KARANDAEVA P 84192	38902	KASHCHENKO A KH 32324
KANO M 25566	KAPPEY H 45804	KARANDAEVA P 84192		KASHEF A H 63681



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
KASHEKHLEVOV I V 21663	KATAKI S K 98913	KAUDER E 87422	KAWAI S 48182	49871	KAZARIAN E A 48428		
KASHIBUCHI H 18973	KATAOKA H 51063	KAUERT G 55300	KAWAI T 36234	49871	KAZAROVA R A 31827		
KASHIKIE I 79589	KATAOKA K 29246	KAUFERT F H 80893	KAWAI Y 97314	49871	KAZARYAN V O 10640		
KASHIKIE L 79589		KAUFFELD N M 4960	KAWAJIRI M 1095	2109			
KASHIMA H 62110	KATAOKA M 14331	KAUFFMAN H 7658		39651	KAZAZOGLU A 16433		
KASHIMA K 28241	KATARYAN T G 25488	104494 107818	KAWAKAMI K 78143	83698	KAZDA J 41440		
KASHIN A S 93710	59629 90351	90352		86856	KAZEEV R V 13320		
KASHIRSKAYA E T 1492	KATAYAMA M 20553	30154		29747	KAZHDAN V B 94174		
KASHIWA S 33522	KATAYAMA O 75317	25923 45015		91017	KAZI Q H 38803		
	KATAYAMA S 80867	45015		108126	KAZIEV G N 82462		
KASHIWABARA T 62700	KATAYAMA T C 68836	45075		17237	KAZIEV M Z 30048		
KASHIWAGI Y 47502	KATEI E K 1855	45075		99259			
KASHIWAYA N 80778	KATENIN A E 30381	11338 29346		93847	KAZIMI S K 33261		
KASHIWAZAKI M 42210	KATER J C 4312	39781 70366		93454	KAZIMIERSKA E M 99606		
	KATERINICH T D 29951	70366		51212	KAZIMIERSKI T 99606		
KASHKAROV A 40123	KATERNYCH T D 40136			62110			
KASHKAROV A K 50199	KATES A H 37359			101313	KAZLAUSKAS R 5619		
KASHKIN N I 68377	KATES J R 28341			27424	KAZLAUSKAS R S 73892		
KASHLEV V F 71142	KATES M 69302			4178	KAZLAUSKAS S 29070		
KASHMANOV A A 69043	KATES R W 24310			93266	KAZLAUSKAS V 28797		
KASHTANOVA Z N 11533	KATHE R L 34479			41132			
KASHU K 34679	KATHEIN R 3927			71460	KAZMI F 78169		
KASHUTIN V 5782	KATHNER W 16562			93094	KAZMI S M A 88428		
KASI R 69659	KATHURIA J D 31332			51209	KAZMI S M R 56090		
KASIEV S K 13552	KATIC I 51869			64306	KAZUMOV R B 15249		
14055 94210	KATIC R 13042			93268	KCHOUK M 104179		
KASIMATIS A N 68732	KATING H 10065			107819	KDWAGUCHI K 20433		
KASIMER P 92078				75150	KE B 68853		
KASK K 27166				79148	KE T Y 107359		
KASLANDER J 78775	KATINSKAYA YU K 49116			38174	KEALY J K 62509		
KASHIRE R 85769	KATITCH R 4011			16801	KEALY M P 26015		
KASHIRE R F 49307	KATIYAR J C 72485			37776			
	KATIYAR K P 14632			48458	KEAM D W 24905		
	KATIYAR R D 13699			100627	KEANE E 87444		
KASPAR J L 62958	KATIYAR R N 14152			46382	KEANE F W L 475		
KASPAR L V 3841				36843	8937 37471		
KASPAK T 109137	KATKOV M V 31913			86857	KEARBY W H 42769		
KASPERAVICHUS M 97158	KATLAP M 22757			99908	KEARL C D 16627		
KASPERBAUER M J 27980	KATO A 75703			88140	16904 45805		
48178	KATO H 652			1039	45907 45908		
	8969			105476	45910 45909		
KASPERS P 76668	KATO I 35863			13573	KEARL W G 35788		
KASPERSSON E 90026	KATO J 29247			100272	KEARNEY P C 11338		
KASPIROV A I 57800	KATO K 31718			60108	29346 29549		
KASPRZYK K 57800	38143 68487			28343			
KASPRZYK S 21405				44383	KEARNS C W 83228		
80905 91627	KATO M 4037			74505	KEARNS F W 21392		
	51155			87662	KEARTON A L 74704		
KASSAB S A 52368	KATO S 18362			48223	KEAST J C 72213		
KASSAI D 35101	34810 40760			94601	KEAST J D 45534		
KASSAI I 51155	41621 62267			99509	76029 76039		
KASSAI T 32258				73456	97609 97643		
				39652	108135		
KASSANIS B 442	KATO T 23045			57939	KEAST J K 76040		
18268 18298	32058 35786			12861	KEASTER A J 14150		
27315	56436 66918			29249 29250	94345		
KASSAS M 99770	93265 93958			84310 84311	KEATE W L 61319		
KASSAY L 43696	KATO Y 2160			103113	KEATING D J 38666		
KASSSEM E S 59345	27532 29616			41324	KEATING E K 72046		
KASSENBECK P 65291	48180 68488			15628	KEATING J 46674		
KASSIER W E 6195	83696 83697			96597	KEATING K 86859		
7865 76290	88124 38574			99918	KEATON C R 87663		
	78557 1361			9452	KEATS A S 103772		
KASSIROV L 45906	KATO Z 1361			79303	KEAY B T 21528		
KAST W 21690	KATONA F 43509			90155	KEAY G R 76387		
KASTELIC J 4003	KATONA J 54422			93269	KEAY J 40606		
	KATPITIA A 47716			78558	KEAY R W J 26772		
KASTEN A 45422	KATRANDLHIEV K 83002			62834	KEAYS J W 105110		
KASTENDIEK R E 5719	KATRICH A 108421			95204	KFBIN I 101975		
	47716			61789	KECK A 54140		
KASTENMULLER S 75414	KATS K M 38346			52341	KECK D W 36997		
KASTENSHMIDT L L 52665	KATSAROV K 38172			11053	KECK G 21863		
KASTING R 13698	KATSNELSON R S 70345			101520 101521	109007		
73823 83169	KATSNELSON Z S 12635			38175	38576		
83170				15696	KECSKES M 70412		
KASTLI P 3744	KATSONIS G 46381			85396	KECSKES S 61604		
24915 34329	KATSOYANNIS P G 54117			106956			
	KATSUBE Y 62172			25000	KECSKES T 90256		
KASTNER C 50785				57137	KECZKES K 52786		
KASTORI R 78556	KATSUKI K 28957			44409	KEDHARNATH S 100049		
KASTROLL H 96065	KATSUKI T 31935			104625	KEDIA B P 44473		
KASTURIRANGAN V N 30059	KATSULAS K 29283			29221	KEDRIA S P 49117		
KASUGA A 28084	KATSUMATA M 75267			77355	KEDVES M 8590		
KASUGAI A 38573	KATSUMATA T 38575			65443	8592		
KASUKAWA T 93622	KATSUMI M 68849			38176	KEDZIERSKA A 67448		
KASUMOV D 76066	KATSURA I 100369			75447	KEDZIERSKI S 38724		
KASUYA M 31515	KATSURAGI T 4047			94135	KEEBLE T A 31888		
KASUYA T 33554	KATSUWARA B 84870			19351	KEEBLE T 59718		
KASY F 23871	KATSUYA K 373			78153	KEEFER D H 74939		
43276 105987	KATTAN A A 38173			102578	KEEFER G D 11733		
	44602 65536			102322	102177 102178		
KASYAN G G 93545	KATTER M S 4121			43711	KEEFER G V 133247		
KASYANENKO A I 101117	KATTERMAN F R H 55626			108658	KEEFER J F 36235		
KASYANOV A F 92376	58595 68850			22468	KEEFER R F 80036		
KASYANOV N 101974	KATTI S S 93976			16812	KEEGAN H L 42496		
KASYMOV A 100293	KATUMOTO K 212			29251	42498 42499		
KASYMOV T K 10156	KATWIJK W VAN 37471			7920	KEELER J T 64975		
KASYUK I I 12847	KATYAL A L 20674			30453	KEELEY P E 29308		
KASZA L 104000				51870	KEEN P M 41866		
KASZAB Z 5163	KATYKO J 10613			76338	KEEN R E 21714		
14532 42996	KATZ A 69361			40362	KEEN W L 45911		
94892	KATZ D 105017			13662	KEENAN G I 44603		
KASZKUREWICZ A 61128	KATZ I 54526			93684	KEENAN P 36089		
KASZLEJ J 28670	KATZ J J 37974			39366	KEENE O D 13458		
KASZONYI J 104493	38528 38637			79394	KEENER R 63761		
KASZONYI S 77732				54603	KEENEY F C 51255		
KASZUBA-CYBURA A 4555	KATZ M L 4364			9842	KEENEY M 6405		
KASZUBKIEWICZ C 13832	KATZ S E 75022			10339	54526 65081		
31580	KATZ W 67012			68852	KEENEY P G 71747		
	KATZENELSON M 32946			48212	KEENUM R D 4237		
KASZUBRIEWICZ C 63280	KATZENELSON M 42816			76552	KEEP E 27736		
KASZYNSKA J 30649	KATZENELSON H 60205			32666	KEEP J M 13270		
KATADA A 32464				81837			
KATADA M 18439							
KATAEVA A A							
KATAGIHALLIMATH S							
S							



ITEM	ITEM	ITEM	ITEM	ITEM
KEER K M 82619	KELLMANN K 94742	KEMPENAERS A-CONT 57940	KENNETT H C 97315	KERPELY A 60207
KEESTRA F 6374 31333	KELLNER B 10235	77733	KENNEWELL H 36845	KERR A 27127 47590
34382 85215 85301	KFLNLR E 10462 59346	KEMPENEERS A 86640	59719	KFRR C 57126
KEESTRA J J 92645	59394	KEMPER A 102289	62600	KERR E A 817 48186
KEFELI V I 19203 68854	KELLNER S 58999	KEMPER H 14240 84089	92821	49304 49328 49329
KEFFORD J F 34103	KELLOGG C E 8021	KEMPER W C 79534	79348	49330 49331 68133
75318 96212 106544	11406 20977	KEMPER W D 2110 29456	12912	KENNICK W H 90493
KEFFORD N P 18974	40333 49927	79951 80037	16203	KERR F 29656 80228
19258 19339	54091 80172	106700	19632	80229
KEFFORD R O 20269	108701	KEMPF N W 64715	58779	KERR F F 29923 29924
KEGEL P 16805 45422	83281	KEMPF W 64716	42349	56686 70734 76525
KEGLER G 88874	KELLOGG F E 65404 74302 74303	74303	82868	KERR H D 39548 101568
KEGLER H 27316 68274	KELLOGG H M 59024	KEMPF W W 14811 64153	84059	KERR H L 59347
KEHAR N D 61661	KELLOGG R M 81499	KEMPF-MERCADO N 105883	83495	KERR H W 55877 107279
KEHOE J K 1580	KELLOGG W 6814	KEMPIN E 77548	28387	KERR J A 94009
KEHR E 12418 61534	KELLUM C R 26472	KEMPINSKI T 26654	36714	KERR J A M 22081 41519
KEHR W R 1115 18763	KFLLY A M 48851	KEMPSTER R H 64177	36715	42149 61664
19631 23204 48432	KELLY B W 26414 77123	KEMPSTON M J 17406	28473	KERR K M 4208 41326
48834 48850 54715	87173	KEMPTHORNE D 4456	69402	51944 82640 104367
KEHRBERG E W 45838	KELLY C 25659 45466	27705	67568	KERR N F 26763
56437	74115	KEMPTON A G 25193	67150	KERR N S 58697
KEHREN 61994	KELLY C B 19906	KEMULARIA NATADZE L M 57585	78144	KERR R 10779 76994
KFHEW 7291	KELLY C E 42275	46869	81792	KERR R H 83163
KEIDING F 4652	KELLY C F 15289	57585	KENT A E 64671	KERR S W 73281 83492
KEIDING J 42500	64580	KENDALL D A 96164	18281	KERR T W 34480 34702
KEIFER H H 63880	KELLY D F 13799	KENDALL H E 41591	38177	85729
KEIJZER A W 67331	KELLY E L 25130	KENDALL J R 30569	9999	KERR W E 42817 64154
KEIL A 98542	KELLY F H C 55876	KENDALL K A 51871	37944 38227 48185	83624
KEIL H L 58045	KELLY F S 27325	92309	50051 50052 50277	22206
KEILICH G 79033	KELLY G W 90438	KENDALL R H 50463	28658	KERR W R 14912
KEILIN D 36436 46575	KELLY J A 62418	KENDALL R O 38373	4556	KERRICH G J 33319 33320 84091
KEILLING J 15589 25002	KELLY J J 15446	KENDALL R W 22387	13319	KERRUISH C M 30495
KEINO K 81385	KELLY J S L 7141	KENDALL S B 32685	79413	KERRUISH D W 51528
KEIRSTEAD L G 98444	KELLY J T 41840	51578	107021	KERRUISH R M 27533
KEIS J 55791	KELLY L W 2384 3374	KENDALL W A 18772	11255	51129
KEIS K 51873 82223	KELLY L L 39883 46086	KENDE H 27983 68856	11641 29681 39924	KERRY J B 72214
KEISS R E 104674	KELLY N 26278	KENDER W J 28899 37450	60413 78561 101976	KERSHAW E S 18976
KEISTER D L 9844	KELLY O D 20413	KENDRA KH E 20550	3197	KERSHAW I 26927
19340 59023	KELLY R A 75244	KENDRIC E L 18198	24134	KERSHAW K A 36999
91773	KELLY R B 48183	KENDRICK E L 27167	100012	KERSHAW W 42501
KEITH C T 40445	KELLY S 1373	99390	63881	KERSHAW W J S 105193
KEITH H G 32142	KELLY T K 100809 100972	KENDRICK W B 11340	90520	KERSPERN A 56687
KEITH L B 67042	KELLY W A 52143 52235	26946	91584	KERSTAN G 98914
KEITH R K 13043 13121	104228	66798	85171	KERSTEN 75551
KEITH T 72340	KELLY W R 13215	KENDRICK W H 81062	1856	KERSTETTER R E 78145
KEITH T B 22079 82904	KELM E E 55301 65714	KENERSON L 33772	36846 36847 36848	KERSTING E J 82305
KEITT G W 99392	KELM H D 5859	KENERSON L C 50868	39222	KERSTING G 84313
KEJI J A 105989	KELM W 24657 86488	KENFASARINA N 12246	4097	KERSTRAT H DE 7292
KEKENBOSCH J 5093	KELMAN A 413 8999	KENG V 58989	52200	KERTESZ F 65883 93778
14452 14453	38628 47190 95779	KENK I 40834	52250	KERTESZ Z I 25436
KELEINIKOVA S I 5165	57898 99356	KENKARE D B 65076	59121	27017 44604 98382
KELEMEN A 22743	KELMAN E H H 56685	85314	55629	KERWIN R E 75563
KELEMEN G 61790	KELMAN L F 97086	KENMOCHI K 25749 44967	74438	KERY GY 100274
KELEN E M A 105459	KELNER-PILLAULT S 43365	KENMOTSU S 90519	63411	KERZHNER I M 5398
KFLNLR-PILLAULT S 43365	KELSALL A 59574	KENNARD A 23874 33405	2711	95205 95206
KELNY G P 76524	KELSALL P 5278	33406	50958	KESAVAMURTHY R C 49553
KELIH J S 25658	KELSEY J M 32767 73202	14119	99771	KESAVAN P C 845
KELIMRETOV P 23362	KELSEY K E 41161	KENNAUGH J H 33011	17714	846
23882	KELSEY M P 76416 87190	KENNAWAY A 66123	5522	KESHVANI K J 55165
KELKAR G R 66028	KELSHEIMER E G 57938	KENNEA T L 72397	19526	KESIK B 107820
KELL L 16628	63558	KENNEDY A B 11736	75609	KESKINEL A 55441
KELLAM W P 20015	83221	KENNEDY A H 92820	22080	KESLER C C 54132
KFLEHER T 31705	97992	KENNEDY B M 55279	63047 82075 82076	KFSLER E M 21923 63110
KELLEN W R 105790	72047	KENNEDY B W 107733	86156	62009
105797	KELSO B F 102861	KENNEDY D 68975	22456	KESLER R B 61462
KELLER 95783	KELSO E 20822	83733	47129	KESSEL E L 83958
KELLER A G 45327 55875	KELSO M 35987	102884	39724	KESSEL R G 5399
KELLER E 9276	KELSO M M 8022 56827	91387	39725	KESSELL A C 14308
13044 37501	3019	55491	12023	KESSELL R H J 78382
KELLER E C 19189 33164	KELSON W C 95044	2302	60839	61032
33165 53334	KELSON W E 30101	102675	61256	KESSEN G 84803 89854
KFLLER B L 12388 51271	KELTIKANGAS M 50612	21555	79333	KESSENBERG H 55302
81511	KELTIKANGAS V 71393	3114	80983	KESSINGER M A 38382
KELLER E R 1951 10933	77987	56261 66376 86833	89815	KESSLER B 68728 78989
59824 78559	KELTING R W 82747	KENNEDY J G 6149	47647	KESSLER E 78562 78990
KELLER G F 106485	KELTON E 82747	7100 7202	100961	KESSLER K J 17995
KELLER H 7487 12503	KELTON L A 5397	51527 106651	78020	18188
13271 36430 57222	KELTON W H 4179 52032	14395	60034	12901
67516 74953 96356	KEMELEV A A 11732	14920	90764	50414
KELLER H P 64794 66638	KEMENCY J 97131	67951	38178	KESTER D E 10682
KELLER J 51019 81433	KEMENY D 26859	15010	42015	KESTER E B 1041 34879
KELLER J C 23213 23230	KEMENES F 92954	KERIMKHAOV S U 2374	2374	65715
32747 73053	KEMENESY E 20676	40922 42125	80331	KESTER G 80173
KELLER K R 75900	KEMENY A 62915	45922	59039	KESTER W O 3944 3968
KELLER L H 26918 45802	KEMENY T 87770	32715	78775	13343 13344
KELLER P 24063 84671	KEMLER A G 91976	3196	89520	KESTEREN H A VAN 37256
KELLER T 68855 71306	KEMME J 32479	3842	50278	88685 88686 88757
KELLER VON T 18975	KEMMER E 653 48184	7598	90100	99281
KELLER W 96709	59575	KENNEDY R M 45912	65159	KESTERSON J W 35165
KELLERHALS H 16806	4081	KENNEDY R P 30712	28359	45149 55123 57802
KELLERMAN J H 32207	93089	KENNEDY R W 21599	88783	66002 96805 107351
KELLERMAN V V 98557	KEMMERER H R 11099	KENNEDY T J 87191	99421	KESTING F 22474 31739
KELLERMANN 24829 64499	KEMMERS W H 46009	KENNEDY W K 36588	66922	KESTOREN J W 56465
82073 82074 96598	KEMP A 13045 13046	51837 56290 56828	78251	KESZT-HARMATH E 20016
KELLERMANN R 65063	22204 103751	K 116	61995	KETCHAM E 1769
85302	89138	KENNEL 40503 60838	88529	KETCHAM H E 46298
KELLEY C B 11054	KEMP C L 1952 1971	KENNEL R 80975	109127	KETCHLEDGE E H 8706
KELLEY C F 13560	KEMP G A 1952 1971	KENNEL W 58696	21406	26918
KELLEY E J 54173	KEMP H J 71541	KENNEL-HECKEL W 84090	57586	KETCHUM L 16599
KELLEY F S 36336 36337	KEMP J C 87545	KENNELLY A G 10934	40719	KETELAARS E H 62959
KELLEY G W 22818 30982	KEMP J D 25876 35021	10935 20139	17053	93455 95784
72988 104856 104857	75550 107687	101612	51872	KETTLEWELL H B D 5523
KELLEY J 32325	KEMP J H 6115	72906	65065	105990
KELLEY J J 107484	KEMP R G 21287	54988	105120	KETTLEWELL J D D 32307
KELLEY O J 27004	KEMP R J 43996	107869	64013	KETTLITZ W L 98459
KELLEY P L 6412 7146	KEMP W G 27317	7866	80907	KETTNER H 69744
KELLEY R K 87445	KEMP W S 44650	11535 20866 23440	33407	KETZ A 21864
KELLEY R L 25914	KEMPANNA C 37759	36081 43697 44982	12274 12417	KETZ H A 32465 51529
KELLEY W 69997	KEMPE L L 34893 55509	73383 94530 97858	30734 41044	52603
KELLEY W P 11735 39723	KEMPE W 64546	105444 107360	105513	KEUKEN W 6887 10606
46539 46592 102179	KEMPEN G J M VAN 22205	68153 68154	83019	10643 16028
KELLGREN H C 22017	KEMPEN H 90667 90668	78560	83022	KEULEN A V 25080
62019 62020	KEMPEN H M 11055 20283	88756	103248	KEULEN A VAN 21771
KELLING K L 59069	KEMPENAERS A 9068	KENNETT C E 33060	89223	31581



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
KEUNE 24768	KHAN J A 23369	KHEIYA SH 93004	KHRISTOVA E 29768	KIELSZNIA R 92468	ITEM
KEUNE K 85216 96357	KHAN M A 5401 22207	KHELEMSKII M Z 26331	42599 88878	KIELY T B 47281 57941	
KEUNE O 25003 97045	28048 32688 38725	35372 66219 97457	KHRISTOZOV D 60414	KIEM S C 57591	
KEUP G 97859	63472 79150 82821	KHELLENOV O B 33942	KHROBRYKH N D 90561	KIENE W 5860 53796	
KEUS M 38543	83513 105194 105195	KHER N Y 26546	KHROMOVA L A 13033	KIENER A 2869	
KEUSCH 96541	105831 105832	KHERA M S 29483	KHROPOVA V I 9586	KIENHOLZ E W 41922	
KEVAN D K 5166 82168	KHAN M A Q 23028	KHERA R C 91851	KHRUSHCHEV N 80756	KIENINGER H 93096	
KEVAN D K M 33101 73577	KHAN M I 32578 103249	KHERA S 77986	KHRUSHCHEV N S 66640	85122	
5574 5574 14921	KHAN M I R 30383	KHERDEKAR D N 12638	108282	KIENITZ E 96968	
14922 33448 33468	KHAN M Q 23214	24021 74023	KHRUSHCHEVA E P 80111	KIENLI W 87915	
33469 43321 53194	KHAN M S 117 19527	31474 52653	KHRUSLOVA S G 69156	KIENY M 13438 104371	
53534 73862 95572	36849 39005 79483	KHESHIN S A EL 23090	KHRZHANOVSKII V G 64582	KIEPAL Z 88759	
95578 106085 106086	101977 107361	KHIDOV I 95725	68861 97676	KIEPE H 27092	
KEVAN K M 13944	KHAN M S H 14750	KHILIL LA 28104	39989 72048	KIERMAYER O 9453	
KEVEI E 34014 64898	KHAN M U D 79150	KHILKEVICH KH M 61605	50307	KIERMEIER F 3466	
KEVEI MRS J 98413	KHAN M UD D 38087	KHIMINA E F 103780	60415	4679 6439 6500	
KEVEN K 92877	38088 38089 38090	KHIN-MAUGN U 29071	68862	31188 31212 31504	
KEVERN N R 9331	38180 38181 38725	KHIN-MAUNG U 29071	63057	34305 41224 41547	
KEVO R 81219	58185 99919 101522	KHINKOVA TS 8845	57291	44286 44366 51797	
KEYORKIAN A G 87665	KHAN M Z 61791 62255	9332 46988 99094	54632 96358	51872 51873 54511	
101613 101614 106769	62835 103752	KHINKOVSKI TS 63116	85217 30732	65065 65097 65125	
KEY J L 68256 68857	KHAN N 104275	82760 57642	51347	65131 65160 82223	
69235	KHAN N A 21774 35547	KHINTIBIDZE L S 50869	32457	96359	
KEYARTS E 39608	41520 68609 71629	KHIROV A A 50869	82118	KIERNAT B 55448	
KFYES C D 25738	KHAN N M 26415	KHISHIN A F E 64014	69401	KIERNAT J 82119	
KEYES S 97555	KHAN P 60900	KHISHIN S S 22208	80586	KIERNOZYCKI A 70951	
KEYL H G 5279 5280	KHAN R M 23215	KHITRINSKII V F 10341	84314	KIERSNOWSKA A 60084	
KEYLWERTH R 53335	KHAN S 107262 107363	KHITROVA A P 28589	47870	KIERSNOWSKI J 58701	
KEYNAN A 100221	KHAN S A 17894 26947	21344 102835	655 47870	KIERULF B 73384	
KEYS C H 78115	30691 107362 107363	KHLEBNIKOV I 24022	58446	KIERULF T 50534	
KEYSER J S 56091	KHAN S U I 98446	KHLEBNIKOV I K 5914	97860	KIESEKER F G 74954	
KEYSER P DE 41575	KHAN S Y 28381	KHLEBNIKOV V 35548	82222	KIESEL G K 3141 13700	
KEYE R L 13108	KHAN T R 20917	KHLEBOV G 108189	105374	103704 104676	
KEYER W F 25082	KHAN W A 45223	KHLENEVA L D 81674	10335	KIESLINGER E 3375	
KEYWORTH W G 18148	KHANA S S 79063	KHLOPOV V M 68723	78311	KIESSLING L 81657	
KEYZER H 45140	KHANBEKOV I I 40607	KHLOPOVA L P 101181	90419	KIETCZEWSKI B 63473	
KEYZER R DE 90521	KHANCHARYK M N 100275	KHLOPOV V M 87139	95639	KIETREIBER M 37257	
KHABAROV S 106270	KHANDELWAL R S R 43997	KHMELEV N 30340	58700	KIETZMANN U 81794	
KHABATOV R 24120	K	KHMELEVSKII I M 67393	38834	KIEWLA J 91413	
KHABIULLIN S H A 69745	KHANIN M 22819	KHMELEVSKII YU V 51754	54223	KIEWNICK L 27985 100396	
KHACHATRYAN A B 13794	KHANMAMEDOV K M 40807	KHMLIK G G 103114	51867	KIFER R R 22932	
104804	KHANNA J K 97159	KHNATIMER I S 77549	25778	KIFER R S 87022	
KHACHATRYAN S S 19882	KHANNA K L 38626 78992	KHODASEVICH B G 78498	25660	KIFFMANN R 47648 47755	
KHACHATUROV E N 882	KHANNA K R 676	KHODASEVICH E V 68860	42022	KIGER H C 7535 67315	
KHACHIKYAN L A 11341	KHANNA M L 90522	KHODASEVICH S G 18780	86480	75901 107961 107962	
KHACHIKYANTS S 60589	KHANNA P 58275 68489	KHODKOV L E 90028	68480	KIGURASHI C 74494	
KHADEM H EL 25360	78146	KHODDOROVSKII V A 51077	39990	KIHARA H 656 818	
KHADGA B B 18149 68208	KHANNA P N 48621 72524	KHODZHAEV A S 32883	90416 91412	819 867 10342	
KHADILKAR V B 101660	104368	1362	104429	37865	
KHADR M 60132	KHANNA R C 11446 30070	18977	100426	KIHARA J 90523	
KHADZHIDIMITROV P 62597	60465	7718	52940	9454	
KHADZHIEV P T 8593	KHANNA S 33262 33263	KHODZHAEV F 97414	75107	58276 58277	
9594	43162 64104 105833	KHOFMANIS A ZH 36647	20017 20050	4292	
KHADZHINOV M I 10339	KHANOLKAR V R 22820	KHOKHLOVA M YU 97140	53333	501	
79149	KHANTULEV A A 11398	KHOKHLOVA Z 81755	23953	35206	
KHADZHINOVA M A 75106	KHANVILKAR G S 11853	KHOKHRIN S N 118	2596	KIIN K 92469	
KHADZHIVAEV A 76419	KHANZHIBETLI Z K 5400	KHOKHRYAKOV A P 27534	17015	KIIS A 96599 96600	
KHADZHIVANAKIEV A 39865	KHAPKINA Z A 48162	KHOKRYAKOV M K 88758	3247	74777	
101860 101879 101880	KHARABANDA B C 89538	KHOLAD D S 102524	98683	KIJANOWSKI J 107822	
74152	KHARADZE A L 57492	71556	102256	KIK M C 108959	
KHAIDARKULOV G I 59630	57588	KHOLKEN YU I 19055	21949	KIKATA Y 40935 40940	
KHAIDAROV R 30048	KHARASHVILI G I 30008	KHOLODEN N P 57229	66957	81463	
KHAIDAROV R KH 50050	KHARAKOZ I I 35455	KHOLODNYI M H 30009	35755	KIKKAWA H 73644	
KHAILOV K M 68858	85597	KHOLUPYAK K L 73971	71932	KIKKAWA J 537	
69236 78991	KHARALAMBIDU A 66348	KHOMENKO A 75552	72010	KIKKAWA M 75658	
KHAINOVSKII E I 50990	KHARALAMBIEV KH 32466	KHOMUTOV B I 50723	92285	KIKNADZE I I 14633	
KHAIRULLIN SH 29855	32467 63282 93885	KHOMYAKOV I A 79243	61996 62043	78128	
7474 107919	104908	KHOMYAKOVA V D 42598	81974 85338	93097	
KHAKHINA L N 18780	KHARAZISHVILI K V 53034	KHORANA M L 38577	51755	KIKUCHI H 93097	
KHALAF K T 43137	KHARBIN O A 102469	KHOREV M I 53775	83424	KIKUCHI M 100730	
KHALAF L 42926	KHARCHENKO I 106240	KHOREV E I 69856	9848	KIKUCHI O 31189	
KHALFINA N A 57690	KHARCHENKO I F 62399	KHORLIN A YA 10212	9849	KIKUCHI T 27986 42867	
KHALIFA K O 51020	KHARCHENKO L N 45127	KHOROKHONOV V P 79304	9849	79151 79152 84315	
KHALIFAH R A 9845	97225	KHORSILOV I 56291	19412 19413	KIKUMOTO T 18378	
KHALIFMAN I 93977	KHARE B P 4893	KHORSILOV I I 11536	89927 100697	KIKUTA T 22972	
94531	KHARE P 99974	KHORSILKOVA YE D 28476	60035	KIKUYA A 40248	
KHALIL F 27408	KHARIN N G 50916	KHORSUTINA E B 58060	23677	24421	
KHALIL M 68609	KHARITONOV D M 17989	77938	95045	43998	
KHALILOV M 15250	KHARITONOV G A 71339	KHORT M I 70437	41893	KILANDER K 40761 71028	
KHALILOVA R B 62997	KHARITONOV N F 25489	KHOSHOD T N 654	45224	KILAYKO A 75841	
KHALIN G A 27984	KHARITONOVICH F N 30253	27535 37708 37709	35176	KILB GY 91270	
KHALIQUE A 26235	KHARKEVICH S S 57590	27852	1042	KILBEY B J 58415	
KHALSA H G 5167	KHARKOVSKII N 103753	KHOT B D 63882	89521	KILBUCK J H 85123	
KHAMIDULLIN M M 2495	KHARLAMOV K M 82298	KHOT N S 63023	69552 69553	60624	
KHAMRAEV S S 2092	KHARLAMOVA L F 50279	KHOTIN A M 70203	96294	2992	
49591	KHARUK E V 61010	KHOTKO E I 64196	96465	KILBURN D G 8644	
KHAMRAEV T R 70560	KHASANKAEV CH S 50722	KHOTOSKO YU 44370	46113	KILBURN P D 78029	
KHAN A 43986 19527	KHASANOV N KH 30926	KHOURY F 44424	57182	KILBY B A 53140	
92726	88141	KHOZINSKAYA A G 105485	75704	KILBY W W 38269 58789	
KHAN A H 27335 30382 39722	KHASAMINAH A M A 94380	KHRAPOV A A 18978	66923	60036 60037 64669	
80171	KHASHTIMOV A M A 46043	KHRENNIKOVA G A 28568	41823	73148	
KHAN A J 44486	KHASHIMOV A U 104369	KHRENOV I I 104675	81941 81952	69857	
KHAN A M 37224 58007	KHASIA B A 16700	KHRENOV N P 103754	82158 103429	91103 91104	
100150 107619	KHASKIN B A 23081	KHRIPLIYVI F 43456	25535	28417	
KHAN A R 10340 19680	63420	KHRISCHIEV G 31273	44651	78565	
20677 56438 59198	KHATCHADOURIAN D 38838	104109	46675	79854	
59879 105194	KHATER A R 62268 72215	9609	1796	KILDEMA K 60253	
KHAN A S 26732 26836	KHATIKARN B 58699	KHRISTOFOROV L 30927	32060	KILDEMAN A 5577	
KHAN A W 1462 7364	KHATIN M G 83252	103755 103756	99391	KILGORE L T 107734	
55744 75796 107821	KHATRI L L 74747	103756 104370	61927	24699	
KHAN B UL 38179	KHATTAB A G H 104574	KHRISTOV A 59956	91852	42522 88678	
KHAN D M 58294	KHAUSTOV I 31334	KHRISTOV I 104858	46093	KILHAM L 104150	
KHAN F 27366	KHAVKIN E E 59038	KHRISTOV KH 80658	6285	KILIAM J 45576	
KHAN E J A 11380	68859 69237	102243	74605	KILIAN J G 62836	
KHAN F W 66015	KHAZANCOVA V 85303	KHRISTOV L 101978	44185	KILIAN K C 48187	
KHAN H A 27202	KHAZANOVICH L M 56543	KHRISTOV I I 28900	27409	KILKAS R 103250	
KHAN I 26473 39005	KHAZIEV G 81793	KHRISTOV P I 46660	102677	KILKKI P 21159	
KHAN I A 22782 42150	KHAZRAJI M G AL 36018	KHRISTOV S 29072 79096	29274	KILLE T 86514	
52199 104290	KHEISIN E M 94136	KHRISTOV TS 61463	91977	KILLIAN H 2903 21078	



KILLIKELLY B ICK R	96161 103706	KING G T KING J	104733 72892	KIRA K KIRA T	102433 18441	KIRKWOOD A KIRKWOOD R C	33061 39497	KISTNER D H KISTNER G		63943 15533	63943 65537
KILLIUS A	5672	KING J C	64016	KIRACUFE G H	32181		90669	KISTNER R			65807
KILLOUGH R A	5349	KING J L	53336	KIRALY A	88731	KIRKWOOD S	89780	KISU M	33799		64549
KILLOUGH W	70455	KING J M	39496	KIRALY D	32559	KIRMANI M A S	99367				64549
KILMER V J	20957	KING J O L	13047	KIRALY F	100278	KIRPALANI B R	56142	KISZELY G			72206
KILPATRICK B L	92631	KING J W B	22881	KIRALY G	12504	KIRPICHNIKOV B A	101217	KITA D	11190		20386
KILPATRICK G	107086	KING K	53725	KIRALY L	43539	KIRPICHNIKOV M M	88333				101661
KILPATRICK H M	11556	KING K F S	21062	KIRALY Z	47283	KIRSCH N	55644	KITA J	3111		3199
KILPATRICK J W	4696	KING K P	5730	KIRBY A G	87446	KIRSCH O M	10781				72486
4704	14031	KING K W	1363	KIRBY A H	375	KIRSCH R	32008	KITA S			80474
KILPATRICK L	7365		6615	KIRBY A H M	77734	KIRSCH W	3326	KITAEV I			74243
KILPATRICK R A	77682		103084		77761		22883	KITAEV I G			15049
KILSTROM L	51095	KING L A	44912	KIRBY D S	15711		31171	KITAGAKI N	31824		32061
KIM C J	108283	KING L E	42770	KIRBY G W	28288	KIRSCHFELD P	61129		35789	41923	93271
KIM C S	100434	KING L F	24830	KIRBY J E	8245	KIRSCHNER L B	104859			93272	93457
	102669	KING M A	1857	56292	87399	KIRSCHNER R	11911	KITAGAKI S			31825
KIM E	70204	KING M F	108969	KIRBY L T	17406		38168	KITAGAWA I	30136		30159
KIM G S	101801	KING M K	100277	KIRBY R H	59285	KIRSGAARD E	51657	KITAGAWA M			98917
KIM I	56063	KING N	65066	KIRBY R N	108024		51658	KITAGAWA N			36953
KIM K C	14961	KING N B	3608	KIRBY SMITH J S	58278		51661	KITAGAWA Y			39842
KIM N G	105375	KING N J	7475	KIRCH E R	45108		51706	KITAHARA K	35366		41082
KIM V	56439		79396	KIRCH J H	29326		51767				41083
KIM W K	27987	KING P	15590	KIRCH W	39225	KIRSNYTE B	38183	KITAHARA N	32907		81197
KIM Y T	18316	KING P E	43210	KIRCHEBNER K	12188	KIRSNYTE B H	85114	KITAHARA T			31113
KIMATA H	41312	KING R	39368	KIRCHENMAYER T	78996	KIRST G	12445	KITAJIMA E W			47509
KIMBALL M H	28952	KING R A	35224	KIRCHER A	91978	KIRSTE H	88607	KITAJIMA H			88608
KIMBER G	18570	75326	75783	KIRCHER H W	30706	KIRSTEIN K	68378	KITAKAWA S			32612
KIMBLE K A	18304	KING R C	14635		55590	KIRSTIANSEN O	4806	KITAMURA A			105486
	37439		58065	KIRCHGESSNER M	4500	KIRTBAYA YU K	74173	KITAMURA F			69858
KIMBREL M M	7659	KING R D	50420	91203	32468	KIRTLBY M B	44255	KITAMURA H	32062		35790
	16581		96062	61651	62111	KIRTON A H	13701	KITAMURA K	33555		35603
KIMBROUGH J W	213	KING R K	104094	82932	91824	KIRWALD E	43504	KITAMURA O	33882		93208
	657	KING R L	22073			KIRYAKOV K	10345	KITANI D			43560
KIMER D S	17996	KING S C	4036			KIRYALOVA E N	54424	KITANI Y	37888		99921
KIMERIDZE K W	9334		52320			KIRYALOVA E N	99697	KITANO M			49623
9335	27410	KING T	44410	KIRCHMEYER M	71630	KIRYUKHIN V	29073	KITANO N			41784
KIMMEL E C	43031	KING T B	3069	KIRCHNER E	60936	KIRYUKHIN V P	89522	KITANOV B	46772		46802
KIMMINS D E	5620	KING T C	81386	KIRCHNER H	105642	KIS CS M	52251	KITAO Z			84150
5621	14962	KING T E	1377	KIRCHNER W	53438	KISBAN K	69317	KITAOKA M	4767		13986
53573	53574	KING T H	9224	KIREEV A	108190	KISCHER C W	52252				13987
106129	106130	KING T P	48566	KIREEV N A	93379	KISELA F	88142	KITAOKA S	4719		32649
KIMMINS W	27286	KING V M	62911	KIREEV V F	1953	KISELEV A N	79095		52793		83959
KIMNACH M	36850	KING W	2657	KIREVA M	78353	KISELEV E R	102425	KITASHIMA H			27169
	98916	KING W A	22105	KIRIAKOFF S G	5524	KISELEV I A	67559	KITAZAWA K			27072
KIMOTO S	94868	KING W P	39224	14372	14373	KISELFV I I	15252	KITAZAWA M			41110
KIMURA C	68490	KING W W	21407	23875	23876	KISELEV I N	64381	KITAZAWA T			42843
KIMURA G	97303	KING-VANONI L	35428	46540	84149	KISELFV L I	17527	KITAZONO M			34842
	97396	KINGAN J R	4104	KIRIAKOVA N G	39792	KISELEV M V	102180	KITAZUME Y			23483
KIMURA H	4180	KINGHAM H G	9851	KIRIAKOW K	10344	KISELEV N	7008	KITCHELL R L			31903
KIMURA I	47502		63669	KIRICHENKO F G	59423	KISELEV V S	82422		31904		81727
KIMURA K	38182	KINGHORN J M	23381		79153	KISELEVA A K	28661	KITCHEN C F			86149
KIMURA M	14634	KINGHORN M L	1096	KIRICHENKO F P	101182	KISELEVA E N	97266	KITCHEN R W			87447
	28833	KINGREY B W	22426	KIRICHENKO L V	49342	KISELEVA K V	27411	KITCHEN W J			25251
KIMURA N	7868	KINGSBERRY E C	25169	KIRIENKO T N	58702	KISELEVA N A	9226	KITCHIN J T			20270
KIMURA R	83714	KINGSBURY J M	79820	KIRILLIN V	72978	KISELEVA N T	29568		39211		39472
KIMURA S	4209		90689	KIRILLOV A A	80587	KISELEVA R	16005	KITCHINGMAN L R			7179
	106828	KINGSBURY P A	76659	KIRILLOV E	33712	KISER J J	31044	KITIPOV A			40601
KIMURA T	93456	KINGSLAND G C	69392	KIRILLOV V S	103757	KISER J S	22616	KITO M	59065		100687
KIMURA Y	67712	KINGSLAND R O	54218	KIRILLOV YU	48708	KISERUD K	46635				100688
	80728	KINGSLAND S K	92903	KIRILLOVA E N	78375	KISERUD K F	46584	KITOVER D			102181
KIMUS J	2696	KINGSLEY Q S	50376	KIRILLOVA N M	90666	KISHCHENKO T I	102525	KITSELMAN C H			72525
KIN K	97316	KINGSMILL J	56781	KIRILLOVA O S	59348	KISHECHNIKOV S A	84359	KITSON J A			96890
KIN T	66924		67116	KIRIMURA J	83708	KISHI H	31327	KITSOPANIDES G			45808
KIN Y	31505	KINGSOLVER C H	6815	KIRINUKI T	9056	KISHI K	37479	KITSUDA I			74408
KINAPENNE J	15833	7007	34871	KIRITANI K	58469	KISHI M	28901	KITT W			90734
75108	85598	KINGSTON D G I	53384		105834	KISHI T	28862	KITTA M			6655
KINBACHER E J	18979	KINGSTON R S T	71576	KIRK H	12275	KISHI Y	35102	KITTIMS H A			11841
KINCAID H E	8023	KINGWILL B	52004	KIRK I W	15834	KISHIMA K	108659				11841
KINCAID L R	29183	KINGWILL R G	62177	KIRK J H	106618	KISHIMA T	51210	KITTLAUSS H			45324
KINCAID R R	59439	KINJMONTH J A	81362	KIRK J T O	658	KISHIMOTO A	26371	KITTLE W F			10876
KINCANNON J A	44911	KINJO T	101871	59026	99920	KISHIMOTO O	101153	KITTLER G A			91204
KINCEL F	72455	KINLAYSON P M	69393	KIRK K	7711	KISHIMOTO U	78655	KITTRFLL W A			13539
KINCH R C	25661	KINLOCH D	81074	KIRK L A	51256		78816	KITTRICK J A			11261
	100524	KINLOCH R M	20978	KIRK L D	57509	KISHINE T	11957	KITTUR S U			14088
KIND H	97089	KINNAIRD J W	40694	KIRK M	37958	KISHIOKA T	40334	KITZINGER U W			26655
KIND T V	33423	KINNEAR A B	40876	KIRK P L	34015	KISHKOVSKI Z N	24658	KITZMAN L M			30929
KINDBLON N D	41841	KINNER J A	86535	KIRK R J	3922	KISHORE H	1595	KITZMILLER J B			5350
KINDEL P	19341	KINNEY T B	46232		92792		37892		23719	32647	63393
KINDLEBERGER C P	67316	KINNEY V R	22344	KIRK R W	82369	KISHORE J	79369		63411	64069	73069
KINDLER J	33897	KINNISSON A F	2303	KIRK W	57448	KISIELEWSKI A	51257		73687	93960	95119
KINDLER S H	33239	KINNUNEN E J	77031	KIRK W G	8103	KISIMOVA L	20140			95128	104994
KINDRON R R	30650	KINORI B Z	50280	39518	62078	KISIN I M	91218	KIUCHI K		5000	101662
KINDT V	49332	KINOSHITA S	1193	KIRKA S I	43458	KISING	24108	KIUCHI Y			83685
	60738	6196	41324	KIRKBY W W	31335	KISING H	69406	KIVEKAS J			101980
KINE F	28474	KINOSHITA T	97861	KIRKBY H	82687	KISING W	65211	KIVER F	11737		40236
KINEBUCHI M	100366	KINOSHITA Y	23045	KIRKENDALL R S	16984	KISINGER F E	12870	KIVI E I			1456
	100369		93958	KIRKHAM D	2097	KISLYAKOVA T E	27988	KIVI K	27170		68863
KINEMUCHI S	77870	KINPYO T	54331	2543	40232	KISLYUK M M	27536	KIVILAA A			58301
	77871	KINSEL G V	62558	60073	60606		47925	KIVIMAE A	4085		4086
KING A A	13838	KINSEY C	39447		79994	KISS A	38726		13478	45913	52397
KING C	3997	KINSH N	64406	KIRKHAM D S	376		69790		52399	72584	104276
	24064	KINSLEY R N	97344		37258	KISS B	11284	KIVINEN E			87468
KING C C	63762	KINSMAN K L	33678	KIRKHAM J B	99571	KISS E I	91105	KIYASHKO A A			103780
	89343		35044	KIRKHENSHEIN A M	77001	KISS I	75385	KIYOHARA T	10213		78863
KING C G	54218	KINT G	25807	KIRKHOFF J R	43459		96953	KIYOSAWA M	35260		35261
	57090	KINTNER L D	72793	KIRKLAND D W	46728	KISS J	71668		97317		97318
KING C H	76779		103637	KIRKLAND R C	36687	KISS L	88561	KIYOTA T			97973
KING C J	45807	KINUGAWA J	27168	KIRKLIS A A	102477	KISS M	6035	KIYOTA T			28241
KING C L	17967	KINZEL H	59025	KIRKMAN C H	46299	KISS P	44996	KIZER C S			28662
57942	88653	KINZER H G	4805	KIRKMAN M A	29519		55405	KIZER L G			26410
KING D B	82654	KINZIKAEVA G K									



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
KJELLQVIST E 659	KLEIN R M --CONT 78070	KLING M C 28973	KLOZOVA E 48568	KNIGHT F P 59720		
KJERSGARD O 2829	KLEIN S 25861	KLING O L 6116 44053	KLUCKOW P 107870	KNIGHT G W 101316		
KJOLBERG O 103251	KLEIN T A 74400	KLING R G 66799	KLUCZEK J P 31582	KNIGHT H 21223		
KJORVEN C 97974	KLEIN W H 78212	KLING E H 54661 55752	KLUCZEK P 72811	KNIGHT H F 76292		
KJOS O 7142	KLEIN W J 97589	KLING M 61317	KLUCZYNSKA J 69791	KNIGHT H H 53405		
KLAAR J 71631 71632	KLEIN--IANNACE H V 34570	KLING J M 3843	KLUETER H H 53680	KNIGHT J N 7476		
KLAARBERGEN F T 108947	KLEINBERG C C 27272	KLINGA L O 21665 81554	KLUG J 74955	KNIGHT J W 34894		
VAN 108947	KLEINE A P DE 59826	KLINGBEIL G C 25305	KLUGE E 18151 57944	KNIGHT M 83739		
KLAASSENS K 56592	KLEINEIDAM P 71191	KLINGE A B 39095	KLUGE M 68866	KNIGHT R A 55718 72849		
KLABER D 36851 101315	KLEINERT J 46241	KLINGE G 98500	KLUGE R 73385	KNIGHT R A 73148		
KLACKLE R L 6792	KLEINERT J 6286 19345	KLINGE H 21601	KLUGEL R 87061	KNIGHT R M G 21541		
KLACZYNSKI W 62269	24659 84805 96295	KLINGE H 27412 37577	KLUGERMAN M R 4303	KNIGHT R H 31366		
KLAEHN F U 19343	KLEINERT T N 102968	KLINGEBIEL A A 46010	KLUK T 5986 54076	KNIGHT R J 58416		
KLAHRE J E 54947	103028	80174 80230	KLUMP T G 24458	KNIGHT R L 1724 27706		
KLATICH M 11033	KLEINFELD V A 54220	KLINGEL H 105571	KLUNGEL A E 80334	58417 79512		
KLAMBT H D 100628	KLEINHANS J 34575	KLINGENBERG H G 92955	KLUPSCH H J 24831	KNIGHT S C 36102		
KLAMCZYNSKI H 55303	KLEINHEMPEL D 20439	KLINGENBERG M 43316	24916 74867 74868	KNIGHT S G 24994 69211		
75416	KLEINHOUT J 94743	KLINGENDER A K 67560	KLUPST S E 57163	KNIGHT T F 5525 33408		
KLAMROTH H B 8066	95456 95457 95458	KLINGER C W 44391	KLUSMANN W 107088	KNIGHT V J 12122		
KLAPALEK F 67554	KLEINKNECHT H 85793	KLINGER G 43460 55202	KLUSSENDORF R C 12505	KNIGHT W E 10463 28663		
KLAPMEIER E 65135	KLERNMANN W 87986	KLINGER L E 6737	KLUSMANN F W 82395	KNIGHTLY W H 58418		
KLAPMEIER E W 64345	KLEINSCHMIDT G 89855	KLINGER J 15412	KLUTE A 79952	KNIGHTS B A 100193		
KLAPP E 69554 100973	KLEINSCHMIT 81007	KLINGLER J 18396	KLUTH G A 72397	KNIPPLING E F 13945		
KLAPP E L 36852 89964	KLEIPPOOL R J C 106570	KLINGLER K 72628	KLUIZ I 104576	32613 52722		
89833	KLEIS R W 15336 84723	KLINGMAN D L 20247	KLUYCHKO N L 38205	105018		
KLAPPER M H 19344	91815	KLINGMAN G C 10135	KLZYKOV A P 79305	KNIPPRATH W 48567		
KLARENBERG K A 106421	KLEISS H 106619 108788	20320 43665 49444	99922	KNISEL W G 80563		
KLARMAN W L 18150	KLEM G G 21408 21519	KLINGSTEDT F W 87940	59027	KNISKERN V B 23164		
KLARNER S 57943	21448 21460 21519	KLINGSTROM A 88865	KNISHEV L K 27511	KNISL G 50053		
KLARUP J 95867	21600 27453	88742	KNYUCHEVICH A S 102579	KNOBEL G 57388		
KLARUP-HANSEN J 1723	KLEM G S 61363 71424	KLINK G 24234 95322	KNYUSHNIKOV L YU 84923	KNOBLOCH H C 108702		
29725	KLEMENT A W 80038	106452	KNYUJINA YU V 27989	15357 54063		
KLASE L 25194	84926	195695	KNYUKA V I 68867	KNOBLOCH I W 17715		
KLASEN KH I 81975	KLEMENT O 17895	96726	KNYUKOV V F 76291	46730 90420		
KLASOVA A 68872	KLEMENT Z 10337 18250	88919	KNYUSHKINA N S 87796	KNOBLOCH W 90156		
KLASOVA A N 597	58046 58047	10936	KMOCH H G 20347 89524	KNOCCH K 15050		
KLASS D W 83245	KLEMENTEV I 98769	54028	KNOTIZER 91705	KNOCHE B 24832		
KLASSEN W 63411 83412	KLEMM G 75597	25805	KNABE B 12530 82484	KNOCHE W 15301		
105800	KLEMM M 89523	88874	103564	KNOCHEL W 7477		
KLASTERKA I 47871	KLEMM W 89523	9102	8104	KNOCCK G G 8356		
KLASTRUP O 31337 62270	KLEMM W R 71748 104001	47115 98559	KNABE H 12530 91086	KNOCCK K W 82224		
KLATT F 40219 50281	KLEMMEDSON J O 48852	46729	KNABE O 103564	KNOFEL D 59069		
102182	69555	68050	81085	KNOGHT G E 52054		
KLATT M 72709	KLEMPAU I 83253 83254	21196	KNABE W 41085 91014	KNOLL E 5863 24023		
KLATTE O J 50054	KLEMPNOW W 75581 75582	6170	KNAGELMAN P 34434	KNOLL F 67561 76984		
KLATZMANN 16541 56749	75583	6889	KNAGGS G S 52420 52421	KNOLL G 53772		
KLATZMANN J 86669	34105	9069	KNAI J 40763	KNOLL H A 38186 48191		
KLAUDEL J 20335 29408	84316	9184	KNABE E L 11057 70132	48191 78568		
29410 35393	KLENN E 48567	37866	KNAP E 12531 31158	5864 53849		
KLAUDITZ W 17379 17433	KLEPAC D 71100 80976	44995	KNAP G 31184	KNOLL I 26372 106810		
27500 36479	KLEPPE P J 30651 61464	554716	KNAPMAN J 37244	KNORR L C 28834 37082		
KLAUER D 6076	61465	69556	KNAPP F M 81289	37083 37259 57802		
KLAUER H 86733	1044	96675	KNAPP F V 93616	59520		
KLAUHS H 108063	KLEPPER B 81500	81795	KNAPP F W 23143 54986	67514		
KLAYS H 16807 91911	KLESOV M D 51356	11610	KNAPP H 54987	70470		
93273	KLEVEN G 76996	40335	KNAPP J 74869	KNOSL H 32471 83061		
33619	KLEVTSOV V 102022 102381	1556	KNAPP J 24235	28181 83061		
95868	KLEWENO A C 17716	28590	KNAPP J G 36158 56935	KNOTHE A 81658		
101981	KLICKA M V 67410	70697	67249 76695 87583	KNOTT D R 1495		
KLAIEN R A 51416	KLIEFOTH F 5862	15388	KNAPP L W 5643	KNOTT J E 20141 25307		
51658 51659	KLIEFOTH R A 94470	38886	KNAPP R 48270	58669 76968		
51661 51760	KLIENTERT J 44186	65161	KNAPP S E 63117 104014	KNOWLES B B 33213		
51762 51765	KLIER M 7400	5753	KNAPP W 51531 104208	KNOWLES J O 91979		
51768 51770	KLIESCH J 63351	98798	KNAPP W A 71749 72366	KNOWLES P F 19681		
51772	KLIEWER I O 103823	10535	KNAPPE H 61792	KNOWLES R F 35158		
KLAIUSER H 46685	KLIEWER M 68763	12205	KNAPPENBERGER R E 72487	KNOWLES R H 69859		
KLAIUSHER H 78996	KLIEWER O 103758	43461	92904	KNOWLES R J U K 82924		
13474	KLIEWER J 56440	34700	KNAPPE H 61792	KNOWLES R P 52034		
26865	KLJCN C J 25027 106919	30463	KNAPPENBERGER R E 72487	89267 100282		
21991	KLKOFF L G 58164	105335	KNAPPE H 61792	KNOWLES W D 95811		
561	100281	105877	KNAPPE H 61792	KNOWLES W H C 26779		
2855 40689	KLIMA F 4181 52254	86319	KNAPPE H 61792	KNOWLING K 81599		
72934	KLIMAKIN N V 1954	38184	KNAPPE H 61792	KNOWLTON G F 42600		
21195	KLIMASZEWSKI A W 2922	47116	KNAPPE H 61792	KNOX F E 53326		
7010	KLIMASZEWSKI J 98152	42868	KNAPPE H 61792	KNOX J 7102		
64967 65716	KLIMASZEWSKI S J 95208	107485	KNAPPE H 61792	KNOX J H 51756 71934		
98558 109128	KLIMASZEWSKI S M 43163	22209	KNAPPE H 61792	KNOX K A 83563		
KLIEBESADEL L J 39498	64105	81598	KNAPPE H 61792	KNOX R B 660		
59321 68864	KLIMENKO V G 1364	40917	KNAPPE H 61792	KNOX R G 94673		
KLIECZKOWSKI A 47510	78993	55304	KNAPPE H 61792	KNOX-SEITH B 91980		
KLIECZKOWSKI K 100630	KLIMENKOVA E T 94532	72848	KNAPPE H 61792	KNOSSEN D 102324		
KLIEDITZSCH M 44556	KLIMENT J 31055	82823	KNAPPE H 61792	KNOSSEN E S 15464		
KLIEBERG H H 107364	KLIMENTOV L V 37576	27304	KNAPPE H 61792	KNOSSEN H 70736		
31338	KLIMES B 4181 4182	47444	KNAPPE H 61792	KNOSSEN K E 22084		
31339	13521 13522 13523	50464	KNAPPE H 61792	KNOSSEN M 40842		
95039	13524 22699 31932	86226	KNAPPE H 61792	KNOSSEN O 104086 104110		
KLIEBERKOPFER H 61130	42006 42007 51530	98201	KNAPPE H 61792	KNOSSEN P H 104780		
KLIES P 102089	52253 52254 62837	14335	KNAPPE H 61792	KNOSSEN R L 51532		
KLIEBECK E 98573	72627 93274 93275	12219	KNAPPE H 61792	KNUEMANN C 21556		
KLIEBER H 73955	KLIMES I 51414 107087	52190	KNAPPE H 61792	KNULLE W 63678 73534		
KLIEBER H 31397 89140	KLIMES-SZMIK A 90810	108064	KNAPPE H 61792	59721		
KLIEBER H 107735	KLIMMEK A 55928 55929	9336	KNAPPE H 61792			
KLIEBMAN R 82076	KLIMMER O R 61709	71409	KNAPPE H 61792			
KLIEBMANOV N I 107735	KLIMOV A 70724	22082	KNAPPE H 61792			
KLIEBMANOV N I 82076	KLIMOV B 99191	3376	KNAPPE H 61792			
KLIEBMANOV N I 75201	KLIMOV I A 94137	82077	KNAPPE H 61792			
KLIEBMANOV N I 58703	KLIMOV I V 102183	22083 31191 62445	KNAPPE H 61792			
KLIEBMANOV N I 2182	KLIMOVA G 39369	72784 103563	KNAPPE H 61792			
KLIEBMANOV N I 74284	KLIMOVITSKAYA Z M 78224	52980	KNAPPE H 61792			
KLIEBMANOV N I 25195 107152	KLIMSTRAS W D 98067	94295	KNAPPE H 61792			
KLIEBMANOV N I 13413	99192	106254	KNAPPE H 61792			
KLIEBMANOV N I 62960	1045	64197	KNAPPE H 61792			
KLIEBMANOV N I 81466 87859	KLINCARE A 57238	6816	KNAPPE H 61792			
KLIEBMANOV N I 6014 33978	KLINDER A F 52073	34668	KNAPPE H 61792			
KLIEBMANOV N I 68491	KLINER A 31651 104062	67317 75260	KNAPPE H 61792			
KLIEBMANOV N I 54577	KLINER A 3102	98292	KNAPPE H 61792			
KLIEBMANOV N I 23955 23956	KLINER D M 377 99392	9070	KNAPPE H 61792			
KLIEBMANOV N I 43366 43367 95640	KLINER E A 13815 86176	98560	KNAPPE H 61792			
KLIEBMANOV N I 13048 82620	KLINER G L 55280	47649	KNAPPE H 61792			
KLIEBMANOV N I 68492 78030	KLINER J R 20608	67954	KNAPPE H 61792			
		49021	KNAPPE H 61792			



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
KNUTSON K W 99610	KOCH E 15337	KOELLING M 100975	KOHN G K 88678	94035	KOLBEZEN M J-CONT 55109		
KNUTSON L V 5281	KOCH E A 14635	KOELZ W 98918	KOHN H 12097	12097	KOLBUSZ D 88678	94035	
14535 23790 53337	KOCH E J 47879	KOEN-MOSSE J 2357	KOHN J 27463	27463	KOLBL O 72630		
KNUTSON R G 30588	KOCH G 6440	80308	KOHN J L 74903	74903	KOLBUSZ F 45577		
KNUTSSON E 35641	24917 34401 74870	KOENEN 92311	KOHN K 8246	87964	KOLCHANOV M M 76030		
KNUTSSON G 67221	67222 81796 85420	KOENEN K 74956	KOHN L L 21520	21520	KOLCHEVA B 101807	102095	
KNUTSSON P G 3609	85421 96509	85463 96360 96531	KOHN M 60254	64472	KOLDA O P 73987		
KNUTTI H 59005	KOCH H D 1046	96601 96602 106956	64549 66800	108284	KOLDAEV V A 69983		
KNY A 81501	KOCH H J 6287	KOENIG E 66714	KOHN O 16957	16957	KOLDANOV V YA 109093		
KNYAGINICHEV M I 96969	KOCH J 13754	KOENIG M 70914	KOHN P G 48183	48183	KOLDOSO H 42818		
KNYAEV N 87023	85124 74608	KOENIG N 96165	KOHN R 26079	26079	KOLE A P 58279		
KNYAEVA L A 40576	KOCH J H 32261	KOENIG R 88875	35180 63211	75708	KOLEHMAINEN V A 61199		
KNYPL J S 27171	KOCH K 42997	KOENIG V L 107486	KOHNE J 25308	25308	KOLEK J 9853	72343	
KO F Y 102184	50982	KOENIG W F 96532	KOHNE M 66925	66925	KOLEK YU 18980		
KO T 50982	KOCH K A 33934	KOENIGFELD G 107670	KOHNLE K 72979	72979	KOLENBRANDER G J 30077		
KO V 73629	KOCH K D 39499	KOENIGS F F R 2111	KOHNLEIN J 2377	11540	KOLENKO E I 12641		
KO Y C 102319	KOCH L 24364	79950	27020	59349	KOLENEV S G 66801		
KO Y H 60625	KOCH P 102881	KOEPF H 47803	KOHOUT R 58746	58746	KOLESNOW S G 16873		
KOEBAVASHI T 88479	KOCH R B 45126	KOEPPE S 65917	KOICHEV T 38255	38255	KOLESNIK A A 88688		
KO-BAYASHI T 27537	KOCH W 19272	KOEPPEN B H 59028	KOICIU E 29411	29411	KOLESNIKOV B P 71029		
KHALL H E 44758	39540 47284 57691	KOERBER T W 4911	KOIDE A 54906	54906	KOLESNIKOV I L 59350		
KUANA T 101662	60906 61034 68855	81198	KOIDE S 67020	67020	KOLESNIKOV D G 34000		
KOB C 10642	70117 78570 102442	6501	KOIDL 11958	11958	KOLESNIKOV E V 28796		
KOBABE G 39370	49334 102443 102825	KOERVER C 72216	KOIDSUMI K 105730	105730	KOLESNIKOV I 40221		
KOBRAKHIDZE A A 26866		KOETSVELD E E VAN 72217	KOIE M 79155	79155	KOLESNIKOV I V 3070		
KOBRAKHIDZE D 42869	KOCH W J 67953	KOEV D 56186	KOIKE G 46626	46626	KOLESNIKOV P A 1052		
43211	KOCH W T 24485	102997	KOIKE H 67739	67739	KOLESNIKOV V A 9854		
KOBRAKHIDZE D N 94744	KOCH-DE-BROTOS L 17997	KOEVENIG J L 68493	KOIKE K 66418	66418	34256 58706		
KCBRAKHIDZE E D 56293	KOCHAN A 75661	KOFFLER H M 35104	KOIKE N 93277	93277	KOLESNIKOVA T D 17528		
KOBASHI U 26032	KOCHAN W 38189	75642	KOIKE S 41952	41952	KOLEV D 38759	69762	
KOBASHI Y 45366	KOCHAN W J 972	KOFFSKY N M 45429	KOIKE T 35864	35864	KOLEV G 52043		
KOBATA H 80806		45435 57406	KOIKE T I 1047	1047	KOLEV I 49554	59956	
KCBAYASHI S 53103	KOCHANOWSKI A 72743	KOFLER L 101981	KOINOV D V 60255	60255		102095	
KOBAYASHI A 28902	68424	KOFRANEK A M 709	KOINOV G M 40124	40124	KOLEV I D 79821		
KOBAYASHI F 43288	KOCHER S G 72342	1048 1077 11538	KOINOV V 39843	39843	KOLHONEN J 61466		
KUBAYASHI J 65745	KOCHEREZHKNIN V G 17481	78572 89558	KOISCH W 44367	44367	KOLI L 88202		
75436	17482	KOFRANYI E 64754	KOIVIMAKI P 40941	40941	KOLIC B 71302		
KOBAYASHI K 23491	KOCHERGA F K 29925	KOGA K 32981	KOIVISTO P A 21111	21111	KOLIEV M F 13833		
51286 63129	92905 30011	KOGA D 41454	KOIZUMI C 42795	42795	KOLJONEN J 41013		
	104273	KOGER T 39672	KOIZUMI H 106582	106582	KOLK H 378	18152	
KOBAYASHI M 14336	KOCHERZHKNIN V G 56185	KOGA T 14708	KOIZUMI J 83700	94603	KOLKHODZHAEV M K 90995		
29918 32063	35263	KOGAI E S 5169	KOJIC M 8542	8542	KOLLANYI L 10613	28903	
35264 35791	39783	KOGAN L M 56092	KOJIMA A 14636	14636		52934	
42839 83699	83708	KOGAN M 755	KOJIMA H 33714	33714	KOLLAR A D 10782		
96508 96676	97319	KOGANOV A 5673	KOJIMA K I 31705	31705	KOLLAR GY 61535		
	108522	43571 53700	KOJIMA T 60133	60133	KOLLAR J 85010		
KOBAYASHI N 64753	KOCHIBE N 20867	KOGAWA J 33800	KOJIMA Y 26798	26798	KOLLATAJ W 67151		
KOBAYASHI S 16434	KOCHINA P YA 28475	KOGAWA K 31755	KOJIMA Y 103460	103460	KOLLATH W 76878		
29252 34481	60190	KOGAWA Y 35265	KOJIMAKI P 40941	40941	KOLLENDER-SZYCH A 49626		
92727 93330	97320	KOGAYASHI T 56294	KOJNOK J 32472	32472	KOLLER D 37710	58771	78574
KOBAYASHI T 5644	KOCHMAN J 37260	KOGER F W 103253	KOK B 1014	1051	78575	78575	
32064 37247	60777	KOGER L M 103759	88118	88197		107823	
64753 80807	90996	KOGER M 41716	100284	100284	KOLLER F 3020	17379	
KOBAYASHI U 53123	KOCHUMEN K M 77356	KOGER R B 3844	74609	74609	KOLLMANN F 21063	21483	41134
KOBAYASHI Y 30213	KOCHURIN A I 82307	KOGE K 35177	KOGLER H P 31933	31933	41163	41164	102936
38188	KOCHUROVA A 44759	KOGON E 56187	KOGON M 75599	75599	KOLLMANN K 97458		
KOBAYASI Y 67952	KOCIALKOWSKI Z 49700	KOGURE K 29173	KOGH G 23067	23067	KOLLMANN R 68494		
99095	63062	KOH S J 107153	KOKATNUR M G 31934	31934	KOLLMER G 52942	88876	
KOBEN A J F 87266	KOCIECKI J 40184	KOHAN T 66202	KOKAWA S 46731	46744	KOLLOFF W 81306		
KOE F X 74607	KOCIECKI S 61131	KOHANE J 62838	KOKHANYUK F S 84152	84152	KOLLONITSCH V 3102		
KOE H 56936	KOCIECKI T 53850	KOHARI H 53104	KOKHNO M A 78031	78031	KOLLWENTZ O 61132		
KOEL F 49118	94533	53106 94602	KOKHREIDZE G A 96257	96257		91748	
KOBEL H 89856	KOCKOVA-KRATOCHV- ILOVA A 2376	KOHL R J 47872	KOKHTENKO M A 102678	102678	KOLMAKOV G P 11541		
KOBERG 41086	KOCOR M 57968	KOHL E 30439	KOKK V 88144	88144	KOLMAKOV L P 106351		
KOBISCH M 76997	KOCOT M 30930	KOHL D H 9723	KOKKOTI-KOTAKIS E 54126	54126	KOLMAKOV A G 42495		
KOBLANSKI J 57803	KOCQUREK J 75866	KOHL E 1507	KOKLES R 41383	41383	KOLMAN T 74957		
KOBLET R 50200	KOCSIS K 24295	KOHL H C 1049	KOKOCINSKI W 33409	33409	KOLMER L 35052	44255	
KOBLET W 17465	KOCSIS P 69792	37936 38191	KOKOREV V 25971	25971	KOLMER L R 24422	65466	
	56030	29451 79932	KOKORINA E P 62162	62162	KOLMER R 97227		
KOBLISCHEK S 101730	KOCSIS S 106212	KOHL R A 29451	KOKOT J 24152	24152	KOLMODIN P I 31341		
KOBO K 9338	KOCSONDI A 15253	KOHL W 83079	KOKOVIC S 83428	83428	83025		
KOBORI D 58419	KOCZKAS GY 51533	KOHLBACH A 108422	KOKOVIN A I 13165	13165	KOLOBOV O M 28476		
KOBORI S 104286	KOCZOR L 13758	KOHLER A 58165	KOKUBO J 92999	92999		28664	
KOBROZEV N I 48569	KODA H 102951	KOHLER D 9852	KOKURICHEV P I 12575	12575	KOLOBOV V D 61343		
KOBROV N P 81125	KODA Y 92604	KOHLER E 47512	13702	21828	KOLODNY J 67568		
KOBRO B B 83189	KODAIRA K 19414	KOHLER E M 83024	KOLA W 77444	77444	KOLODYAZHNAYA A A 60134		
KOBRO J 96658	KODAIRA Y 61236	KOHLER F 71786	KOLABSKII M A 92470	92470	KOLODZIEJ E 71700		
KOBRYNSKI B 27305	KODAKI T 81126	KOHLER G O 46480	KOLAIAN J H 11191	11191	KOLOSHANSKII V A 82635		
KOBSELL H 53646	KODAMA M 40811	93061 93023	KOLAKOWSKI A 53608	53608	KOLOMAKIN G A 22210		
KOBULADZE D T 78569	KODAMA S 88089	18249 83023	KOLAKOWSKI E 55459	55459	KOLOMETITSEFF P I 50978		
KOBURGER J A 6375	KODAMA T 15628	99393 104372	KOLAR J 41622	41622	KOLOMETITSEV G M 56064		
KOBUS J 2215	KODANI O 27019	24078	KOLAR J 51429	51429	KOLOMIETS A 84317		
KOBUS K 43734	KODANI R Y 25272	KOHLER H J 21044	KOLAR O 22086	22086	KOLOMIETS F 88680		
KOBUSIEWICZ T 8482	KODENKO M 70724	KOHLER D 44712	KOLARI O 60661	60661	KOLOMIETS I A 28863		
KUBUSKI C E 8707	KODET J 24399	KOHLER P 64198	KOLARI O E 31192	31192	39044 48193	58280	
	8078	KOHLER R 103066	KOLAROVA H 100631	100631		73311	
KOBYAKOV A I 90353	KODYS F 83461	KOHLER S 102862	KOLAS L 98568	98568	KOLOMIETS O K 79397		
KOBYAKOVA A M 100699	KOEKBE K 62466	KOHLER U 24395	KOLATAJ A 22633	22633	KOLOMIETS R I 9855		
KOBYLINSKI F 41162	KOECHLIN J 17602	40808			KOLOMIETS T A 48856		
KOBYLINSKI S 35643	KOECKE H U 93276	KOHLER W 40808			KOLOMIETS YA M 12642		
	85052	KOHLI R N 3200			KOLOMIETS O P 29617		
KOBYLK D B G 83340	KOEDZHNIKOV KH 78571	KOHLI S P 48709			KOLONI V P 71633		
KOBYLYAKOV L M 84474	79154				KOLONITS J 32904	88561	
KOBYLYANSKAYA K A 79192	KOEFOED N A 27504					94472	
KOBYTEV S 16029	KOEFOED-JOHNSON H 22085				KOLONTAEV V M 10644		
KOZEVA G I 90976	H 22725 22732					78577	
KOCH 24947	KOEHLER C S 32874				KOLONTAEV V S 80892		
KOCH A 24981	53406 57805				KOLOS F 21602		
59631 73500					KOLOSKO S I 102999		
KOCH A L 59007	KOEHLER F 2361				KOLOSOV M 82621		
KOCH A R 7143	KOEHLER F E 7122				KOLOSSA T 17008		
	KOEHLER H H 279				KOLOSSVARY SZ 24024		
KOCH B 27990	KOEHLER J W 280				KOLOSVARY G 14348		
	48854					94745	
KOCH B E 77184	KOEHLER O 98561				KOLOVCA J 42221		
KOCH C 53260	KOEHLER W 40690				KOLP B J 19530	28345	
KOCH C B 91509							
KOCH C R 6077	KOELLER H L 36236						
	76780						



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
KOLPAKOVA N V 103094	KONDAREW M 78289	KONOVALO YU B 69348	KOPYLOV P 32185	106874	KOROLEVA I I 56594
KOLPIKOV D I 27413	KONDNER R L 80643	KONOVALOV I N 48195	KOPYLOVSKAYA G 12466		KOROLEVA V P 13049
KOLPPY I 53195	KONDO A 37867	KONOVALOVA A S 2270	KORABITSKII N K 11542		KOROLKOV L P 69510
KOLSEK J 86294	KONDO C 97322	KONZENKO P A 21899	KORABLEV N 100286		KOROLKOV V I 57330
KOLSTER H W 50803	KONDO G F 96296	KONRAD-HAWKINS E 37711	KORAC M 99924		
	KONDO H 26131	KONSEL J 50935	KORALKA J 26544		KOROPOV V M 36480
	KONDO J 35793	KONSLER T R 1977	KORAN Z 51135	103040	76999
KOLTAY A 11667		KONSTANTINOV A R 11192	KORANDA J J 78567		KOROSSY Z 59354
27414 38727	KONDO K 30227	49624 49625	KORANSKY W 83253	83254	KOROSTELEVA G D 80338
50056 59201	40421 40422	KONSTANTINOV A V 89142	KORBEL L 73578		KOROTAMM N G 26656
24085 95886		KONSTANTINOV K 88762	KORBOOT K 95641		KOROTKEVICH L S 57682
KOLTAY J 73386	KONDO M 84088	KONSTANTINOV P 22959	KORBUS V 43462		KOROTKOV A I 3377
KOLTIN Y 68153	KONDO S 830	KONSTANTINOVA A F 68156	KORCHAGIN A A 81010		62113
KOLTUNOV V 59496		KONSTANTINOVA T N 68871	KORCHAGIN A I 62881		KOROTKOV D P 102517
KOLTYPIN YU 86715	KONDO T 38728	KONSTANTINOVIC B 14298	KORCHAGIN V A 2477		KOROTKOV I L 76880
KOLUS G 73294	41046 42773	KONSTANTINAYA A A 40843	KORCHAGIN V N 28796		KOROTKOVA P I 63629
KOLUSHEV I P 82292	KONDO Y 19346	KONTEK V 21543	KORCHAGINA O A 27994		KOROTKY L L 109277
KOLMYCK C 98562	35642 39842	KONTI I 12206	78579		KOROVIN A I 27995
KOLYA A K 5170		KONTUO K S 97085	KORCHAGINA V A 28796		38195
KOLYADA A 59122	KONDOS A C 52445	KONTRIMAS J 28798	KORCHAGINA YU I 49744		KOROVIN E P 46872
KOLYCHEV L I 26449	KONDRAEV YU I 87796	KONTRIMAS YU K 98403	70312		KOROVIN S A 57513
KOLYER J M 105992	KONDRATENKO R T 28478	KONTRIMAVICHUS V 62573	60865		KOROVIN V A 28799
KOLYSHEV P 33752	KONDRATENKO R V 79675		KORCZEWSKI A O 2917	59497	69746
KOLYSHEV P P 44760	KONDRATEV A P 71254	KONTTINEN V 60841	KORDA P 85011		KOROVKIN M A 80339
KOLYSHKINA N S 21993	KONDRATEV P S 71144	17489 93542	KORDAKOV I A 59027		KOROVKINA A V 48119
KOMAGATA K 44900	KONDRATEVA A G 9917	KONVALINA J 40671	661		68805
KOMAI T 32065		KONYCHEVA V 89527	1053 10214	89143	KOROVYAKOVSKII D 74402
		KONYUKHOV M P 92906	KORDES H 46576		
KOMAMINE A 9856	KONDRATEVA N V 101808	KONYUKHOVA V A 51415	KORDYUM E L 68496		KOROZA G S 67393
KOMAMINE K 93458	KONDRATIENE O 57449	KONYUSHKOV E N 106310	32067		KORPELA T 30635
KOMANDAREV S 72983	KONDRATOVICS R 28975	74270	KOREF-SANTIBANEZ S 53307		KORPL H 74522
KOMANO T 94609	KONDRATYUK V P 2476	65884	83960		KORPPOO S 71393
KOMANOWSKY M 75320		KONZ R 65884	KORELYAKOVA I L 78033		KORRANEK A M 1050
KOMANOWSKY M 44378	KONDRUP E 6334	KONZAK C F 18709	KOREMOTO H 28502		KORSAKOV N I 88877
KOMAROV V 43572		KOO R C J 50283	KOREN K 20508		KORSAKOVA G F 14687
KOMAR E 31359	KONDURUSHKIN I A 38193	KOO Y W 84872	KORENBERG B I 14475		KORSCH J 63708
KOMAR GY 13272	KONECKA-BETLEY K 49872	KOOF H P 48567	83786		KORSCHESKY R 98623
KOMAREK E V 50790	49873	KOOI E R 54132	KORENEVA E V 8578		KORSCHEN B M 76856
		KOOI K VON DER 92472	KORENKOV D A 11543		KORSELT J 41087
KOMAREK J 3872	KONECSNI I 70471	KOIMAN P 54996	21020		KORSKAARD P 88000
13389 13390	KONEKAMP A H 92750	KOISTRA E 1955	10937		KORSHAK I 44557
		37445 39374	47504		KORSHAVN G 15254
KOMAREK R 51000	KONEKAMP R 3611	KOISTRA G 89006	100285		KORSHIKOV A 106271
KOMAREK R J 51656		KOOMANS P 43510	53936		KORSHIN P N 23533
	KONEMANN E 8357		106453		KORSHUN V P 27512
KOMAROV A M 101456	KONERMANN H 3339	KOOMEN J P 10938	39375		KORSHUNOV B G 25490
KOMAROV V I 96969		39376	90526		KORSHUNOVA L 9842
KOMAROVA A A 80665	KONERTH H 51232	KOON J 15302			KORSHUNOVA L M 105395
KOMAROVA E S 10673	KONETZKE G 77691	KOOP J 54589			KORSHUNOVA V 28904
KOMAROVSKII V G 13850	KONEV N F 90217	KOOPMAN J J 13703			KORSHUNOVA V S 10082
KOMATSU E 93459	KONEV S V 24833		63118		KORSUNKIYEV TS K 36082
KOMATSU G H 23167	KONGSVIK R 7869	KOOPMAN M J F 55792	55793		KORT J 88920
KOMATSU K 41775			64500		KORTA J 18572
KOMATSU S 30471	KONIG 24891	KOOPMANS J 59829	59830		36645
KOMATSU T 60938	KONIG D 5720	KOOPMANS W 69985			KORTAN L 52666
	80933				KORTAN L J 93730
KOMATSUZAKI H 85880	KONIG E 2943	KOOPS J 74780	85464		KORTE F 28383
KOMATSUZAWA S 48194	61383	96604 96605	96606		52727
		96607	96608		69238
KOMEN G 53749	KONIG F 33410	KOORTS D L J 9282			14537
69984	KONIG H 21044	KOOT I J VAN 58708			23395
KOMENDAR V I 78032	KONIG H L 4461	KOOT Y VAN 18982			63709
KOMER GY 31583	KONIG I 93724	KOODYMAN P A 49335			KORTLEVE C 19153
KOMFORTI T 78489	KONIG K H 13629	KOPAC M J 83984			KORTNER G 34295
KOMISSAROV A M 71192	KONIG U 93711	KOPACZ B M 25196			KORTSCHACH H P 38116
KOMISSAROV D A 50870	KONIG W H 77188	KOPANEVA L P 5578			48126 75838
KOMISSAROV G G 48569	KONIGSDORF S 108374	KOPANEVICH P P 23441			KORTSTEE G JJ 62272
KOMISSAROV K P 82463	KONIGSHOFER H 96603	KOPANITSA A M 80336			KORTUM W M 62392
KOMISSAROV P M 24109	KONIKOV A S 105993	KOPANYTSA V A 28750			KORUKOV G 32256
	KONING J C DE 70737	KOPCSO I 34669	34670		KORULA S 46484
KOMISSAROV V 39371	KONING K DE 5783	KOPCZYNSKA-JAWOR- 106374			97259
KOMITSKY F 59095	15156 33715	SKA B 46073			108970
KOMIYA A 66008	66155	KOPEC S 50983			54075
KOMJATI I 39372		KOPEC W 70738			KORVEN H C 91325
KOMKOV I P 83252	KONING M W 38194	KOPECKY F 30384			KORYAKINA V F 100287
KOMKOVA M 90525	KONINGSBERGER V J 109129	KOPECKY J 71861			KORYTKOWSKI T 66411
KOMKRIS T 91436		KOPECKY K E 71750			74828
KOMLO L 26547	KONISHI M 41116	103280			KORYTYNYK W 44605
KOMMEDAHL T 663	KONISHI S 93278	76998			KORZAN G E 75618
	93279	44475			KORZEN K 85724
KOMMODOV V V 59351	KONISHI T 49212	KOPECKY R 2489			KORZENIOWSKI A 51348
KOMORA J 94535	KONIUSZY F R 19124	KOPEIKIN YU V 2162			KORZH M YA 53656
KOMORI S 35267	KONKINA L 33857	KOPEIKOVSKII V M 26064			KORZHENKO N P 55878
KOMORNIACKA M 32473	KONKOLY I 88761	45150 45291			KORZUN B 28286
KOMORNICKI T 67563	KONNECKE G 1596	66009			KOS K 85359
KOMOSINSKA-CZWAR- 105283	KONNEKER W 64474	KOPELMAN J 96891			KOSAKA J 2276
TACKA H 39373	KONNERUP N M 22437	KOPELOVICH L 52723			KOSAKA M 35268
KOMOTI S 95901	KONNIKOV A 31935	KOPER S 70861			KOSAKA S 32699
KOMPANISHCHENKO L 89883	KONNO H 83026	KOPEKSKI K 43735			106805
KOMPIS I 55535	KONNO Y 9760	KOPEKSKY K 97864			42845
KOMSTOHL L W 108601	KONNO Y 51454	KOPEZ L M 74506			KOSAKI K 39129
KOMULAINEN S E 35792	KONNO Y 54833	KOPEV E 20868			KOSANKE M 63763
KOMURA K 32066	KONNOY 58681	KOPEV I P 15194			KOSANKE M W 23442
97321 97862	KONDO H 54833	KOPFLER E L 31936			KOSANDOVIC V 29727
18317	KONDO K 58790	KOPISCH-OBUCH C F 78578			KOSAR K 31937
	KONDO M 58263	KOPKE V 34577			KOSAR W F 59723
KOMYAGIN A I 42772	KONDO Y 37734	KOPLIK MRS K E 93000			KOSAREVA E G 69043
KON K 4364		93098			KOSAREVA N M 68333
	KONDOIE H 93880	KOPNICK W 108191			KOSAREVA V T 80326
KON P M 3786	KONONENKO A H 68630	KOPPOOSHIAN H A 18571			KOSASA H 41312
KON S K 4183	KONONENKO M 33857	KOPP D 40577			KOSENKO N F 93001
	KONONENKO N V 81977	KOPPANG N 71751			KOSESAN W H 29235
	KONONKOV P 84446	KOPPAR M N 68506			29253
KONAKA T 24092	KONONOV G A 51535	KOPPE J 64908			KOSEWSKA L 55187
KONAKBIEV A 36004	KONONOV K E 11058	KOPPEJAN A W G 7990			KOSHALEVA L L 38196
KONAR R N 27538	KONONOVA N E 64199	26973			100288
27993 68495	KONONUCHENKO E 90517	28976			KOSHAROV A N 104634
89141	KONOPACKA B 22958	65068			KOSHELKOV S P 39784
KONASHEVICH V A 61795	KONOPATKIN A A 32474	97426			KOSHEV L A 24660
KONATE I 31098		12174			KOSHI J H 44287
KONCAR L 24135	KONOPELKO P YA 104860	18972			62143
KONCZAKOWSKI T 89857	KONOPKA J 2856	102090			62447
KONCZAL W 16542	KONOV T 40382	14813			41041
KONDAKOV V F 105377	KONOVA L 59352	87979			KOSHIJIMA T 42303
KONDAKOV YU P 105993		81978			KOSHIMIZU K 97082
KONDAREV M 39096					93850
					KOSHIMIZU Y 37452
					KOSHKIN A G 68802
					KOSHKIN V V 80588
					KOSHLAND D E 15936



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
KOSHMAN M M 46732	KOSULINA L G 68666	KOVACHEVSKI I 88878	KOWALSKI S 50190	KOZLOWSKI T T 50791		
KOSHY T T 17759	KOSYAK A I 93379	KOVACIC 4422	KOWALSKI T 26932	--CONT 50793	50794	
KOSIBA W 40472	KOSZEGHY G 5739	KOVACIC D 2795	KOWALSKI H 83734	50873	50874	50875
KOSIC V 98695	84416	KOVACIC A 69366	KOWNACKI M 3945	50930	61071	61133
KOSICK R 81038	KOSZEGI D 25083	KOVACIC V 54835	4001 52091	71600	61210	71256
KOSICKI J 35550	KOSZTARAB M 105836	KOVACS A 18155	KOWAN Z 55622	81058	81058	81164
	KOT A P 31344	57945	KOYAMA A T 18265			35643
KOSIK J 58499	KOT J 42718	52035 52605	KOYAMA K 29728	KOZLOWSKI Z 60778	76153	85259
KOSIKOV K V 54835	KOTAIEVA D V 46533	51677	KOYAMA M 81172	90421		95936
KOSIKOVA B 86470	KOTAKA S 9860	105116	KOYAMA N 83685	84153		97047
KOSIKOWSKI F V 91764	KOTAKIS E K 74661	48572	KOYAMA R 83556	KOZMA J 48201	78583	79513
KOSIKOWSKI F V 85218	KOTAKIS G 54126	93002	KOYAMA S 106907	KOZMA P 1797		39097
KOSILOV I A 22821	KOTANI T 93099	15303	KOYAMA T 20466	46873		61467
KOSIN I L 4037	KOTARBINSKA M 32337	41623	60173 67843	98919		34608
KOSINKIEWICZ B 11319	32380 32408	65292	KOYLJARVI J 1497	50058	101523	
		65292	1497 50058	101523		13054
KOSKOWSKI A T 77029	KOTELINIKOVA A V 69239	10346	KOYUMDJISKY H 11388	KOZONO T 28925		
KOSLER A 5043	KOTELNIKOV G A 13543	13200 24237	KOZA J 106908	KOZOVSKI P 72927	82555	
KOSMACHEV A E 67955	KOTLOVA N V 20020	79086 79306	KOZACHYN J 101663	KOZUB V 33556		
KOSMATYI E S 84806	KOTELYANSKAYA L I 84807	100811	KOZAK A 11986	40649		28480
KOSNIKOV N 33651	KOTENKO N A 31457	42336		83557		79156
KOSNIKOV N I 16905	KOTER M 48197	79677	KOZAK A M 108523	KOZUBENKO V K 858		
		82933	KOZAK E 86735	KOZUBOV G M 102490		
KOSNIKOVA M I 33717	KOTER Z 48465	100290	KOZAK M 90871	KOZUCH A 92935		
KOSOBOKOV G I 69043	KOTESWARARAO D 59216	85013	KOZAK V 104277	KOZUCH O 23157	42506	
KOSOBORUKHOV A N 74958	KOTHARI D C 107920	37365	KOZAK V 29497	93788	94139	
KOSOGOROVA E A 68157	KOTIK T 31167	57138	KOZAKIEWICZ A 62274	KOZUKA M 28397	100707	
KOSONOGOVA V F 71101	KOTIN N I 20680	95870	KOZAKIEWICZ B 72219			100708
KOSOV V 32614	KOTINSKY N A 57467	97865	KOZAL E 32218	KOZUKHAROV S 88334		
KOSOVA D N 82079	KOTKOVSKIY YA YA 66573	23068	KOZAL M 103255	KOZUMI J 53104	53105	
KOSOVETS Z 27192	KOTLABA F 17529	86137	KOZAL Z 62618	KOZUMPLIK F 13073		
KOSOVACS V 29127	46990	78980	104176 104180	KOZUNIN I I 92838		
KOSS U 69341	79754	58709	KOZAREV C 78581	KOZUPEVA T A 10699		
	79755	76293	KOZAWA J 86535			10783
KOSSAKOWSKI J 52508	KOTLANSKI I 83108	56188	KOZAWA K 96825	KOZYAR L A 67713		
	KOTLANSKI J 32475	94296	KOZAWA S 97867	KRAACK E 57260		
KOSSAKOWSKI S 61796	63307 93796	57727	KOZAWA Y 68035	KRAAI A 20162		
	40081 50057	57728	KOZELNICKY G M 9032	KRAAIJENGA D A 77906		
KOSSEL A 46628	KOTO M 32371	78207	KOZELUH B 30616	KRAAIKAMP E C VAN 92313		
KOSILA V 92473	KOTOK E I 91437	10673	KOZENKO E M 89529	KRAAL W 106653		
KOSSOWSKI M 38197	KOTOV A 43463	73940	KOZERA H 37468	KRAAL A 74522	108703	
	KOTOV G 66803	13846	KOZERA W 88764	KRABBE E 51349		
KOSSWIG C 73645	KOTOV M I 17530	51537	KOZHANOVA N I 25491	KRACH H 2928		
KOSTAKEV A 31342	KOTOV P F 69408	91597	KOZHEKOV D 49716	KRACHT V 13774		
	KOTOV V I 80477	82889	KOZHEVNIKOV A M 30385	KRACHT V 32363	32407	
KOSTARZ T 93546	KOTOV V T 13050	82934	64994	61645 82936	93771	
KOSTECKA B 76420	KOTOVA G N 83626	3202	KOZHEVNIKOV E M 13525	KRACZKOWSKA J 1443		
	KOTOVA I Z 8556	80309	KOZHEVNIKOV YU 33570	KRADEL D C 82990	103256	
KOSTECKI E 18730	KOTOVA V V 77827	27063	KOZHEVNIKOVA N N 20196	KRADENOV B N 106334		
KOSTECKI J 69407	KOTOWSKAYA A P 1421	24001	KOZHINA I S 79874	KRAEHNENBUEHL D N 88335		
KOSTELIJK S 24272	KOTOWICZ F 75771	102816	KOZHOV M 36646	KRAEMAR P 78427		
	KOTOVA G P 69408	108424	KOZHOVA O M 77463	KRAEMER P 32768		
KOSTENKO T F 103897	KOTSCH W 13051	64923	KOZHUKHAROV M 80426	KRAENZEL C F 46163		
		89528	8646			56442
KOSTENKO V K 26064	KOTSIS O 41942	12865	KOZHUKHOVSKII A 92438	KRAEPELIN G 99530		
	KOTOVA L B 72851	102526	KOZICKY E L 76526			60553
KOSTER H 63283	KOTSUBA M D 13058	41624	KOZIEJ M 28418	KRAEVSKEYA E K 64542		
KOSTER J C 74746	KOTT M F 27498	66804	KOZIKOWSKI K 30496	KRAEVSKEYA V A 105441		
KOSTER J T 177	KOTT S A 39500	40942	KOZIMA H 107988	KRAFT A 55720	97275	
	KOTTER C 21007	61799	KOZIN N I 97229	KRAFT A M 3845		
KOSTER R 39726	KOTTER C M 82080	100631	KOZIN N P 14049	KRAFT H 62574	82385	
KOSTERS J 31938	KOTTER H 46095	28479	KOZIN R B 73039	KRAFT J 67075	97732	
KOSTETSKAYA I V 69986	KOTTER L 6117	75705	KOZINER A B 93732	KRAFT J M 663		
KOSTIAL-SIMONOVIC K 3612	24459 54222	27172	KOZINER E P 47959	KRAFT L M 104181		
	65885 82226	91854	KOZINETS N I 52859	KRAFT U 66412		
KOSTIC B 9071	103115	107646	83312	KRAGELOH H 53778	53937	
	47286	35882	24661	KRAGGERUD H 33858		43766
KOSTIC Z 30975	KOTTKE M W 108423	97046	KOZINKA V 18984	KRAGT C L 41872		
KOSTIN I 10939	KOTTKE H 16220	33284	KOZLIK C J 30540	KRAGTWIJK C 28002		
KOSTIN I G 13526		33969	KOZLOV A G 61208	28970 28977	28978	
KOSTIN I S 20869	KOTTUR K G 38800	91018	KOZLOV D P 61799	29243 29254	29255	
	KOTULA A W 13459	59281	KOZLOV I S 53797	29729 48202	48203	
KOSTIN V P 102185		86353	80112	48204	48205	
KOSTINA A A 62319	KOTVAS R 41697	107843	KOZLOV L I 84318			38198
KOSTIR J 75866	KOTVAL K F 26065	27997	KOZLOV M A 5452	KRAGTWIJK C J 38199	38200	
KOSTIUSKA J 38730	KOTZ J 13230	27996	KOZLOV N M 38904	39228 39229	39230	
KOSTLER J N 11889	72632	27997	KOZLOV P V 21691	39502 39503	39504	
		44996	78791	30541	30570	
KOSTLOVA A 41088	KOTZE H A 92274	46795	KOZLOV V I 100478			51214
KOSTLOWSKA M 47601	KOTZE J J J 37263	4272	KOZLOV YA I 10627	KRAHENBUHL J 26814		
KOSTOV G 39843	KOTZE J M 75266	48857	KOZLOVA A G 9952	KRAHNERT 72450		
	KOTUBA V 3613	4313	KOZLOVA E A 14560	KRAIKO E A 67393		
KOSTOV K 50871	24236 31345	72785	KOZLOVA E I 90926	KRAJNYAK K K 63263		
KOSTOV P 12408		64276		KRAJCOVIC V 10464		
KOSTOV S 103108	KOUCHININO L A 70295	64550	KOZLOVA G I 58166	KRAJEWSKI J 53887		
KOSTRIKOVA L N 68424	KOUCHKOVSKY Y DE 100289	48198	KOZLOVA L 106992	KRAJICEK J E 21234		
KOSTRITSYN A 53777	KOUDELA J 3673	59632	KOZLOVSKII A A 40731	KRAJSA V 103760		
	KOUDELA K J 86354	103313	KOZLOVSKII A I 10544	KRAJSKI W 81011		
KOSTROV K A 11610	KOUDELKA J 35080	67789	KOZLOVSKII F I 2277	KRAKKAI I 49446		
	KOUL A K 18083	73307		KRAKOW G 19347		
KOSTROV P 80476	KOUL M L H 68498	73312	KOZLOVSKII YU G 84318	KRAKOW J S 2216	60208	
KOSTROVA E I 5149	KOURTZ P H 17419	90172	KOZLOVSKII N V 46851			60212
KOSTROWICKI A S 95459	KOUTNY O 13494	72218	KOZLOWSKA A 9857	KRAKOWIAK S 84727		
KOSTRYUKOVA K YU 8452	KOUTZ F R 32690	104677	KOZLOWSKA C 47117	KRAL E 63284		
	KOUWE E T VAN DER 75470	23301	68036	KRAL F 3846	61169	
KOSTUKEVICH C 77000	KOUYEAS H 88531	53887	105196	22414 61134	61169	
	KOUYEAS V 88531	71538				61801
KOSTYANOV S 102944	KOVAC G 54306	16435	KOZLOWSKA M 39377	KRAL J 30933	31348	
	KOVAC J 13947	17160	90528			51538
KOSTYGOV V 6339	KOVACEVIC J 63208	20681	KOZLOWSKI J 61800	KRAL R J 30571		
	KOVACEVIC Z 98580	49626 49681	69834	KRAL V 12100		
KOSTYRA J 31343	109172 109173	47756	31100	KRALIK O 105419		
		49875 49876	32372	KRALIK P 16373	16374	
KOSTYRA T 72902	KOVACH G 38593	50284	KOZLOWSKI S 42927	KRALIN P 28003		
KOSTYREV B K 69034	KOVACHEV A 29864	37712	42928	KRALIN P I 30078	78585	
KOSTYUCHENKO S P 92444	KOVACHEV D 39501	49877	2766	KRALISCH M 74001		
KOSTYUK A N 66793	KOVACHEV I 36853	43736	28000 28001	KRALJ N 103171		
KOSTYUK S 96077	KOVACHEV I G 42795	70367	50662	KRAL E 99697		
KOSTYUK V I 40222						
KOSTYUKEVICH N I 71145						
KOSTYUKOVICH F T 71030						
KOSUGE T 9185						
KOSUGI K 32762						



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
KRALL E L 88921	KRASOVSKII V 69987	KREIDIK B M 1956	KRIEDEMANN P E 48574	KRISTOFFERSEN T 28007	
KRALL J L 82129	KRASSETT M 62936	KREIER J P 13120	--CONT 78586	--CONT 85305	85399
KRALOVA-PLSKOVA B 24527	KRASSIG H A 34552	KREIER V G 28347	KRIEG A 73500	KRISTOFOROV L 106966	
KRALOVANSZKY U 93100	KRASSILNIKOV N A 68873	KREIER W B 79892	KRIEG H 77357	KRISTOVICH L 31273	64501
KRALOVANSZKY U P 31057	KRASSNER S M 4185	KREIL J 7012	KRIEG K 75512	KRISZTEN GY 1798	
KRAMARIK J 32559	KRASSO A F 69240	KREINER H 10465	KRIEGER C H 36589	KRISZTIAN J 59355	
KRAMAROV J 95727	KRASTINA E E 9858	KREIPE H 65163	KRIEGER G 50285	KRISZTIAN L 22300	
KRAMAROV YU 74003	KRASTINS J V I 58710	KREIPE H 34895	KRIEGHOFF E 4341	KRISZTIAN MRS GY 12277	
KRAMER 2758	KRASTINS O 56648	KREIPE W 7013	KRIEGHOFF M 95996	KRITCHEVSKY D 66031	
KRAMER A 101524	KRASZEWKA-DOMAN- 41895	KREISBERG J 92475	KRIEGLER P J 73261	KRITCHEVSKY G 45191	
54307	SKA B 93280	KREISBERG J 30472	KRIEL A 19883	KRITSKII M S 69241	
KRAMER C L 47415	KRATKY D 21693	51021 51022	KRIEL A F 3998	KRITZINGER C C 34571	
KRAMER C Y 27636	KRATOCHVIL I 105072	61588 81350	48208 56443	KRITZINGER H 85600	
KRAMER D 43667	KRATOCHVIL J 91983	8846 46991	80590 80589	KRIVINKA J 98637	
KRAMER D E 89926	KRATOCHVIL J F 12376	46992 102472	44304 85211	KRIVITSKAYA A 76376	
KRAMER F A 55954	KRATOCHVIL Z 13704	KRIENKE A 82349	82349 106620	KRIVKA K 30498	
KRAMER F K 90811	KRATOSKA K 56189	KRIENKE W A 82349	106620 53938	KRIVKO A M 63474	
KRAMER G 58085	KRATZ B 35011	KRIESBERG M 106620	53938 72688	KRIVKOVA A M 73544	
KRAMER G H 80748	KRATZ F H 41925	KRIEWS J 91609	KRIJGER P D 84319	KRIVOLUTSKII D A 42930	
KRAMER H 7123	52216 62773	KREITH F 8935	KRIJGSMAN A H 16629	KRIVOSHEIN S 85771	
30289 50613	KRATZER W C 6793	47288 47289	47445 48869	KRIVOSHEIN N P 83961	
KRAMER H A 83746	KRATZIG P 9859	KREITZINGER E J 56829	56829 90767	KRIVOSHEIN S M 11739	
KRAMER H H 9559	KRATZL K 3009	KREJCA J 90767	90767 48206	KRIVOVYAZOV 73957	
KRAMER J 79590	KRAUS 8453	KREKULE J 18986	48206 48445	KRIVOVYAZOV J D 14637	
KRAMER J P 14743	KRAUS A L 3283	KREMEN G YA 51610	48445 51610	KRIVTSOV K S 87315	
33264 42406	KRAUS G E 13273	KREMER F W 53823	53823 42690	KRIZ J 22087	
73500 73713	KRAUS H 6118	KREMER W 37084	42690 71557	KRIZ K 46993	
KRAMER K 73087	51101 65834	KREMERS R E 71557	71557 71558	KRIZHANOVSKII F D 21994	
KRAMER K U 77428	81799 86227	KREMERS R E 71557	71558 64971	KRIZHNA R 15413	
KRAMER L L 3615	KRAUS J F 61135	KREMERS R E 71557	64971 83687	KRNA L 30241	
KRAMER M 20272	KRAUS O 41374	KREMERS R E 71557	83687 25008	KRNJEVIC J 109130	
29267 40223	KRAUS T 28481	KREMERS R E 71557	25008 43649	KRNJEVIC K 31538	62665
57140 60418	KRAUS V 75202	KREMERS R E 71557	43649 51350	KROBER H 104173	
KRAMER M F 71752	KRAUSE BERGMANN P 64475	KREMERS R E 71557	51350 71580	KROCHMAL A 1747	19796
KRAMER N 54128	KRAUSE C 109153	KREMERS R E 71557	71580 21133	49059 69988	
KRAMER N W 90031	KRAUSE D 61997	KREMERS R E 71557	21133 43767	KRODEL F 26226	49336
KRAMER P 61388	KRAUSE E 62275	KREMERS R E 71557	43767 79591	KROEF J M VAN DER 7014	
KRAMER P J 1081	KRAUSE G 105487	KREMERS R E 71557	79591 26800	KROEGER H 23678	33167
71201 89618	KRAUSE G F 42078	KREMERS R E 71557	26800 67001	KROEHNKE R 69558	
KRAMER R C 100291	KRAUSE H 24079	KREMERS R E 71557	67001 98030	KROENING G H 72943	
KRAMER R H 107579	65406 108847	KREMERS R E 71557	98030 106521	KROES Y 63177	93731
KRAMER S 63835	KRAUSE J 28980	KREMERS R E 71557	106521 75772	KROESCHELL K 45677	
KRAMER T 39993	KRAUSE K R 97629	KREMERS R E 71557	75772 1957	KROESKE D 42307	42337
KRAMER T 13026	KRAUSE L B 8247	KREMERS R E 71557	1957 70562	KROG N 380	26067
41612	KRAUSE O 4501	KREMERS R E 71557	70562 24834	75706	
KRAMMES J S 60722	16884 16957	KREMERS R E 71557	24834 65069	KROGER 65407	51643
KRAMNEVA L S 71323	54948 85527	KREMERS R E 71557	65069 30454	KROGER M 65070	
KRAMP J 12506	KRAUSE T 108192	KREMERS R E 71557	30454 100812	KROGH A 50614	
54718 61652	12443 86718	KREMERS R E 71557	100812 97644	KROGH K 40692	
KRAMPITZ G 33999	KRAUSE V 24110	KREMERS R E 71557	97644 93662	KROGH K K 108848	
KRAMPITZ H E 92968	KRAUSE W 39045	KREMERS R E 71557	93662 82081	1013	
KRAMPLA G 35477	67714 78034	KREMERS R E 71557	82081 66960	50077 60613	
KRAN E 22430	KRAUSE-BERGMANN 24178	KREMERS R E 71557	66960 82163	KROGMAN MRS W J 79592	
KRANER J 30497	KRAUSEL R 67715	KREMERS R E 71557	82163 12447	KROGMAN MRS W J 53327	
KRANER K L 104009	KRAUSHAAR R 76634	KREMERS R E 71557	12447 27667	KROGSTAD B 7774	
KRANICH 20142	KRAUSP V R 24129	KREMERS R E 71557	27667 66084	KROGSTAD E 6817	
KRANTZ B A 2410	KRAUSS E H 18193	KREMERS R E 71557	66084 13948	KROHN 56830	108704
KRANTZ G W 5095	KRAUSS H H 104307	KREMERS R E 71557	13948 37085	KROHN H 17161	26722
KRANTZ A 23559	81059 73387	KREMERS R E 71557	37085 43659	44074 56831	66805
KRANTZ T 119	KRAUSS J 73387	KREMERS R E 71557	43659 100292	86861 108427	
KRANZ J 47118	KRAUSS N L H 4653	KREMERS R E 71557	100292 87315	KROHN H B 36237	
KRANZ Z H 71513	KRAUSS R W 18985	KREMERS R E 71557	87315 102465	KROHN J A 80697	
KRANZLE A 85770	KRAUSS S 103257	KREMERS R E 71557	102465 10215	KROHNE G 75598	
KRAPF B 59597	KRAUSS W C 82583	KREMERS R E 71557	10215 65719	KROK G S 82624	
KRAPFENBAUER A 12101	KRAUSS H 4462	KREMERS R E 71557	65719 69230	KROKEN P 12358	
KRAPIVINA A T 28005	KRAUSLICH H 82883	KREMERS R E 71557	69230 100199	KROKOWSKI A 107299	
KRAPIVNER L M 17380	KRAUSZ N G P 45971	KREMERS R E 71557	100199 92956	107331	
KRAPOVICKAS A 36855	97630 108607	KREMERS R E 71557	92956 1498	KROL B 35431	35893
KRASAVTSEV O A 40676	KRAUT H 36320	KREMERS R E 71557	1498 69351	45016 56190	
KRASHEINININ P 24948	KRAUTER G 71102	KREMERS R E 71557	69351 100974	49627 49628	
KRASHEININNIKOV N 25007	KRAUTER H 108425	KREMERS R E 71557	100974 85125	60084	
A 11668	KRAUZE S 85724	KREMERS R E 71557	85125 96298	9337	
KRASHEININNIKOV N 70673	KRAVCHENKO G N 81800	KREMERS R E 71557	96298 13834	KROLAK M 30934	
KRASHEININNIKOV N 36019	KRAVCHENKO N A 91796	KREMERS R E 71557	13834 94417	52351	
KRASILNIKOV N A 9861	KRAVCHENKO V D 26066	KREMERS R E 71557	94417 47758	72177	
36647 57729	KRAVCHENKO Z N 93294	KREMERS R E 71557	47758 99927	KROLIK F 60779	60780
80113 81660	KRAVETS I A 7900	KREMERS R E 71557	99927 45422	KROLIKOWSKI L 49878	
KRASILNIKOV L A 69305	KRAVETS V D 45291	KREMERS R E 71557	45422 39785	50792	
KRASILSHCHIKOV L 11740	KRAVIS I B 98293	KREMERS R E 71557	39785 47972	36238	
A 56488	KRAWANY K 65293	KREMERS R E 71557	47972 107675	45678	
KRASKO I YE 71178	KRAWCZYK A 26184	KREMERS R E 71557	107675 15438	66503	
KRASNIKOV G I 24664	KRAWITZ L 72399	KREMERS R E 71557	15438 54222	106214	
KRASNIKOV G A 81798	KRAYBILL H F 47119	KREMERS R E 71557	54222 46164	26658	
KRASNOBAEV E O 4557	KRCMERY V 74781	KREMERS R E 71557	46164 15629	7119	
KRASNOLOBOVA T A 82622	KRCZAL H 5096	KREMERS R E 71557	15629 75321	91855	
KRASNOUSHCHEKOVA O 88765	KREBILL R G 99396	KREMERS R E 71557	75321 16395	44188	
F 67646	KREBS H A 92008	KREMERS R E 71557	16395 97230	64755	
KRASNOUKHOVA O V 79953	KREBS K 67059	KREMERS R E 71557	97230 77552	96108	
KRASNOV A N 87909	KREDIET P 13169	KREMERS R E 71557	77552 48207	26343	
KRASNOV V S 72345	85465 96511	KREMERS R E 71557	48207 55795	18731	
KRASNOVA M V 73956	KREEB K 47650	KREMERS R E 71557	55795 55798	14814	
KRASNOVSKII A A 1366	KREFFT R 65958	KREMERS R E 71557	55798 55799	33322	
19433 28346	KREFFTING L W 50939	KREMERS R E 71557	55799 55799	73736	
KRASNOUSHKIN V V 11544	KREGER D R 19348	KREMERS R E 71557	55799 55799	95326	
KRASNY J F 25198	KREGER-VAN RIJ N 664	KREMERS R E 71557	55799 55799	106311	
KRASNYUK P I 24662	KREIBEL E B 13055	KREMERS R E 71557	55799 55799	20336	
KRASOTA V F 17055	KREIBEL J D 13274	KREMERS R E 71557	55799 55799	34759	
17056	KREHL W A 76858	KREMERS R E 71557	55799 55799	15224	
KRASOV B M 72851	KREIDA N A 2278	KREMERS R E 71557	55799 55799	23877	
KRASOVSKII F V 94239	KREIDER E L 6502	KREMERS R E 71557	55799 55799	16303	
	KREIDIK B 25691	KREMERS R E 71557	55799 55799	55630	
		KREMERS R E 71557	55799 55799	67319	
		KREMERS R E 71557	55799 55799	102989	
		KREMERS R E 71557	55799 55799	50966	
		KREMERS R E 71557	55799 55799	103556	
		KREMERS R E 71557	55799 55799	77086	
		KREMERS R E 71557	55799 55799	77091	



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
KRONBERGER K 9455	KRUSCHINSKI L W 93282	KU M N 48786	KUDRINA E S 8847	KUKES V G 87808	KUKHARCHUK G 45810	KUKHAREVSKII G 79748	KUKHTENKO T V 89930
KRONE H 56832	KRUSE A 27709	KU P C 60703	KUDRYA S V 25084	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRONENBERG H G 19884	KRUSE E G 40277	KU Y C 75916	KUDRYASHEV V S 78708	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
43600 59634 59635	KRUSE O 59724	KU Y S 101983	KUDRYASHOV L V 597	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
60419	KRUSE R 89281	KUAN L J 105728	666 57281 78149	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRONFELD D S 31349	KRUSE W E 12890	KUAN S S 50060	KUDRYASHOV YU 79679	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
41625 51875 62277	KRUSEN F 15439 44055	KUAN Y C 1056	KUDRYAVTSEV A A 4388	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
71753	KRUSHCHEV N S 16702	KUANDYKOVA U S 5282	KUDRYAVTSEV N E 53615	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRONFELLNER-KRAUS G 71308	KRUSHEV L T 28008	KUANSHALIEVA E N 68324	KUDRYAVTSEV P F 103367	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
44297	KRUSHEVA R 77475 78994	KUBA N 81802	KUDRYAVTSEV P N 93732	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRONMAN M J 107025	KRUSMANN 79484	KUBACKA M 52860	KUDRYAVTSEVA M N 6744	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRONSTAD W E 37868	KRUSSMANN G 282	52862 52863 52864	KUDRYAVTSEVA T P 83003	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KROONTJE W 80011	2830 39231 84705	KUBACKI S 92627	KUDZINAW M A 98755	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KROPAC Z 79823	89531 95729	KUBAT F 45580	KUEBLER W F 72400	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KROPACHEV L 67565	KRUSTANOV KH 62114	KUBAT J 61468	KUEHL R A 15039	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KROPF D H 23111 25892	KRUSTANOV S 29498	KUBAT K 81307	KUEHLMANN G 51352	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KROPIWICKI M J 82448	KRUSTEV E 31906	KUBATOVA J 75700	KUEHN H H 220	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
DE S 7415	KRUSTEV M 93663 104374 104695	KUBECKA D 69794	6029 8848 17886	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KROPP L I 107280	KRUSTEV V 32485 93861 103195 104875	KUBELKA W 1368	26933 26958 26959	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KROSNA R 104593	KRUSZE N 56444 91108	KUBIAK J 16480	67946 67970 67971	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KROSN E M 60482 101982	KRUSZEWSKI T 70823	KUBIAK M 409 12448	99111 99112	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KROTH W 11931	KRUTCH J W 5622	KUBICA J 46994	KUEHN H R 39510	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KROTOV A S 48711 69410	KRUTIKOVA L P 54771	47013 57328	KUEHN K 7524	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KROTOV S 24769	KRUTOV P I 74250	KUBICKI K 65601	KUEHN M 74705	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KROTOV V A 108025	KRUTZSCH W 67717	KUBIKOVA J 58159	KUGLER W F 16703	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KROTOVA N G 71257	KRUUS H 67844	KUBIN G 83032	KUGO H 5088	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KROUTIL W F 85126	KRUYK P A 20143	KUBIN S 1057	KUGOH T 13986	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KROUWEL H D 98581	KRUYT K J 27514	KUBIS A 76423	KUHL J M 87667	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KROWICKI R S 34572	KRUYT W 63118	KUBIS I 108493	KUHL K E 30713	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRSTIC M M 99193	KRUYTZER E M J 98563	KUBISCH A 47583	KUHL F 4502	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUATRACHUE M 103258	KRUZHILIN A S 38202	KUBLER H 30542	54719 91856	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUCHININA M M 68876	KRUZYCKA M 38839	KUBLER K 71581	39166 69826	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUCKEBERG A R 36856	KRVAVICA S 103171 103172	KUBO E 1695	58712	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
58281 98829	103259 103265 103783	KUBO S 1905	74962	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUCZKOWSKI A 44652	KRYAUCHYUNAS I V 107223	KUBO T 31113	43138	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUEDENER B A VON 61035	KRYAZH I Z 13473	KUBOJIRI K 18134	91303	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUEDENER H J F 61364	KRYAZHEVA L P 42601	KUBOMURA Y 77728	27144	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
VON 48209	KRYCH K 50615 50616 80934	KUBOTA E 88744	68161	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUEGER A P 9860	KRYCZYNSKI W 80852	KUBOTA G 54416	81013	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUEGER C R 62065	KRYKOV G N 69484	75261	93853	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
62116	KRYLATOV A K 91109	KUHN 67	44411	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUEGER H 13164 22270	KRYLOV A G 102527 102547	KUHN C W 11923	36484	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUEGER H R 2658	40125 46688	88879	77907	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUEGER K W 30386	KRYLOV E V 70952 102528	KUHN E 98154	99620	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
48209	KRYLOV G V 71900	KUHN G 106545	98154	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUEGER P F 57407	KRYLOV I N 71900	KUHN G D 24460	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUEGER R J 66806	KRYLOV M V 51876	KUHN H 7524	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUEGER W F 93179	KRYLOV P 18386	9889 11959 19016	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUEL W 12151 73817	KRYLOV P S 68323	38731 78443 78591	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
83558 88610	KRYLOV S V 68878	7124 8128	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUG C A 15535 77189	KRYLOV V M 82917	7124 45018	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUG H 5097 68766	KRYLOV YU 106271	77554	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
68877	KRYLOVA A S 73262	64945	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGER A 52606 75584	KRYLOVA M D 74439	99016	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGER B 106506	KRYLOVA M I 100061	55559	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGER F 55632	KRYLOVA N 25988	100975	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGER F H 35576	KRYLOVA N B 49793	74024	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGER H 5721 5835	KRYLOVA N P 68878 1599	96677	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
79795 90671 95728	19633 34438	42502	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
101525	KRYLOVA V 62745	78590	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
4428	KRYLOVA A M 102444	78995	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGER K E 25045 31443	KRYSTOFIK E 67845	KUCHAR E J 2624	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
62371 72278 84535	KRYUCHKOV I I 81012	KUCHEL R E 93664	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
84536	KRYUCHKOV V V 81128	KUCHERUK N KH 82599	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGER L 5913 62448	KRYUCHKOV A F 85844	KUCHERUK V V 80175	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGER L W 76617	KRYUCHKOV A P 38203	KUCHKAROV S 39994	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGER P J 65294	KRYUKOVA L M 100293	78233	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGER T 54836	KRYWIENCZYK J 105488	75531	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGER T J 107155	KRYWOLAP G N 88145	75635	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGER V L 52398	KRYZHANOVSKII O L 73599	25864	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGER W 381 18156	KRYZSCH G 11299	62896	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
41225 53681 71754	KRZEMINSKI L F 45017	57319	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
76618 86471 87759	61803 11546	79678	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGERKE 65489	KRZESZKIEWICZ-MA-JEWSKA W 75269	79678	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGERKE W 25309 27226	KRZYMANSKA J 99397	37869	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
34717	KRZYSLIK R 21670 102382	8711	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGLER H 85885	KRZYSLIK F 70915	104911	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGLIKOV B P 95896	KRZYSTOFOWICZ J 50059	13705	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGLOV A I 61998	KRZYSTOFOWICZ A 105644	63310	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGLOVA A P 101118	KRZYWINSKA-DOBISZ-OWA I 74205	63119	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGLYAK I 33859	KRZYWONOS J 91271	97473	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUGMAN S L 78913	KRZYWONOS K 91271	59576	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
81127	KRZYZAN J 99928	80698	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUIJK P A 9210	KRZYZANOWSKI J 92476	70296	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUIJNE A A 17717	92603 104178	70369	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
78148	KRZYZANOWSKI M 104178	30106	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUISWIJK J T 75269	KRZYZEWSKI J 102905	105645	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUKLE M 46733	KSENOFONTOVA V 60696	13707	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUKOVSKY V N 85306	KSENZ I P 11588 28751	91984	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUKOWSKI K 54522	KSENZENKO S A 71935	23396	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
74960	KSIAZEK D 27320 37454	33801	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUKOWSKI M 75023	37455 68275 99613	104207	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRULL L H 16118	99614 99615 99616	27173	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUMBACH A W 79954	KRZYWONOS J 99617 99618	100366	9862	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810	KUKHARCHUK G 45810
KRUMHOLZ D 3970 104678	KSIAZEK J 47120 68038	KUDOT S 89532	9862	KUKHARCHUK G 45810	KUKHARCHUK G 4581		



KULWIEC M	57943	KUNKLE L E	25808	52354	KURATA S	67894	KUROSAWA S	16238	67831	KUTILOV I N	93865
KULYABKO V V	94239			82901	KURATLE H	29257			88225	KUTKO L F	91110
KULZER H	94894	KUNKLEY W L		74759	KURBATOV A I	50116	KUROSAWA T		84160	KUTS V I	45325
KUMABARA M	35797	KUNNALA J		102842		70846	KUROSE T		58715	KUTSCHER F	17382
KUMADA K	29619	KUNNERT R	42871	64205	KURBATOV I M	80342	KURTORI S		42773	KUTSURUBA N V	79399
	39845	101731	105838	105995	106002	51816	KURTORI T		11408	KUTTER H	5454
KUMADA N	13986			106004	KURBATSII N P	40707	KURQYANAGI S		21712	23794	23793
KUMAGAE R		KUNO E		84092	61220	102797	KURPACHEV I A		80936		27515
KUMAGAI T	3595	KUNOS I		79315	KURCHATOV V I	94297	KURPREVICH V F		49711	KUTTLER A K	76967
		KUNOWSKI VON		67152	KURCKAWA K	3204	KURSANOV A		68882	KUTTLER K L	13059
KUMAGAYA R		KUNSELA W R		8105	KURCZEWSKI E J	5453	KURSANOV A L		78593	KUTTNER H	137763
KUMAGI T		KUNST G		46166	KURCZEWSKI F E	5453	KURSTAK E	33325	43279	KUTUBIDZE V V	98113
KUMAI S		KUNST H		93262		14814			105997	KUTYURIN V M	20338
KUMAKOV V A		KUNSTING G		90158	KURDINA V N	28009	KURTENBACH A J		51845		1248
KUMANOV S	32186	KUNSTLE E		21360	KURDYUKOV V V	83559	KURTESOV A P		80345	KUTZ F W	48212
	62115	KUNSTYR I		13276	KUREGER A P	19349	KURTEV P	36648	38207	KUTZER E	33227
KUMAR A		KUNTER E		24836	KUREK E	45914		68883	69795		14032
KUMAR D	7932	KUNTSCHEN P		12152	KURELEC B	31350			69796		52794
	66906	KUNTZ I D		78408	KURELEC V	22784			21064	KUTZNER H J	82422
KUMAR H		KUNTZ J E	9075	47331		82083	KURTH		50937	KUTZSCHE W	65071
KUMAR H D	18573	47332	47333	47334	KURENNOVA N M	90321	KURTH A	21359	71103	KUUSELA K	62466
	68880	47335	50791	50793	KURENZOV A I	42870	KURTH E F		12432	30101	21159
KUMAR K		50794	50875	77848	KURETANI K	28010	KURTH H	11987	18990		71031
	17998		81058	81060	KURETANI M	38187		21140	57282	KUUSI T	80937
KUMAR L S S		KURTZE H		15112	KURGANSKI M	102188	KURTZ A		14205	KUUSIK A	96219
KUMAR M B		43541	50201	50286	KURGOZOV P I	80343	KURTZ A N		10401	KUVAEV V B	105520
KUMAR R		60092	60628	79955	KURIACHAN P I	58282	KURTZ C		18319	KUVAEV W B	97371
	23758		35107	65918	KURIAN C	42408	KURTZ C D	25546	85972	KUVATOV R	101861
KUMAR S		KUNTZEL A		24200	63624	83429	KURTZ D		69861	KUVSHINOVA E V	88230
	37754			84637	KURIAN K C	49214	KURTZ E		41521		35894
KUMAR S A		KUNZ C		13618	KURIBARA A	68631	KURTZ E A		42653		77909
KUMAR S N S		KUNZ H	87232	98920	KURIBARA J	97323	KURTZ E B	58283	77738	KUVSHINOVA O P	11542
KUMAR V		KUNZ W B		24485	KURIBARA K	79824	KURTZ H J		104910	KUVSHINSKII E V	66128
KUMARI G K		KUNZE		65919	KURIBARA S	24179	KURTZ L T	80296	98565	KUWABARA M	17117
KUMARI G L		KUNZE A	9627	11670	KURIBARA T	32373	KURTZ L T	24373	34898		35603
KUMARI H L		53701	80478	106571	KURIBAYASHI S	53107	KURTZWIG I		31467	KUWABARA W S	35798
KUMARI K		KUNZE G W		70431	KURIEN P	27346	KURUCZ GY	43826	95871	KUWABARA Y	55879
KUMASAKI K		KUNZE L	27322	47514	KURIEN V	57291			95872	KUWADA H	89535
KUMATA T		KUNZE M S		71898	KURIHARA F	25868			103783	KUWAHARA I	58420
KUMAZAKI M		KUNZE R		8450	KURIHARA H	40083	KURULEC B		5644	KUWANA K	108601
KUMAZAWA K	100295	KUNZE R J	39655	49629	KURIHARA J Y	101313	KURUM E		5171	KUWANA Z	30215
KUMAZAWA M	27541			70249	KURIHARA K	1097	KURUP A		53407	KUWASHIMA S	4894
KUMBKARNI C G				34762		1099	KURUP N G		28356	KUWAZUKA Y	78538
KUME S		KUNZE T		62510	KURIHARA T	100634	KURUP P A	26755	94767	KUYDOWICZ S	34650
KUMENO B		KUNZEL E		12279	KURILENOK G V	100438			78750	KUYTEN P J	76068
KUMENO F		KUNZELMANN E		60379	KURILLOVA Z	106272	KURUSZ J J		9830	KUYUMDZIEV I	94464
KUMLER M L		KUNZLI W		104750	KURIMOTO H	106272	KURY W		9830	KUYUMGIEV I	103764
KUMMENEJE K		KUO C C	47121	104750	KURIMURA T	80935	KURYLOSKI D		16030	KUZDEKOV K	31351
	106960	KUO C F		100633	KURINGEN H C VAN	91970	KURYLOSKI D S		15945	KUZDOWICZ A	90234
KUMMER S		KUO H L		89977	KURIR A	23147	KURYLOWICZ B		89534	KUZDOWICZ C	58716
KUMMEROW F A		KUO I H		100817		33498	KURYUKOV I		39379	KUZDZAL W	3330
	31934	KUO J S		100296		88430	KURZ E		36511	KUZDZAL-SAVOIE J	7441
KUMMEROW J	9864	KUO L T C		3329	KURITA S	41327	KURZE G	6562	54720	KUZDZAL-SAVOIE S	3330
KUMMEROW S J		KUO M H		1369	KURITA T	25901		65212	107089		74441
KUMP C		KUO P C		48020	KURITA S	41327	KURZE W	34383	96542	KUZELKA R	46986
KUMSARE A YA		KUO W C		66642	KURITSYN N	25901	KURZWEG W	13057	61805	KUZENEVA O I	17603
KUNSTYR K		KUO W T		98657	KURIYAMA K	65706	KUSAKARE M	67654	77087	KUZELEVA E P	101119
KUMTA U S		KUO Y T		66413	KURIYAMA M	24382	KUSAMA K		96888	KUZIN A M	52145
KUMURA S		KURJAKOVIC V		63208	KURKI L	59725	KUSANAGI A		9457	KUZINA E F	18926
KUNASHEVA K G		KURKI M		2163	KURKIN K A	80479	KUSANO T		86284	KUZIYANOVA A V	2378
KUNATH L	74054	KURKO V I		97086	KURKOV S	33753	KUSCH A G		10349	KUZO L F	102017
KUNC F		KURLAND L T		17216	KURLAND L T	17216	KUSCHEL G		83735	KUZMANOV B	8646
KUNC I K		KURLYKOVA M V		48114		49717	KUSCHEL H		53609		88215
KUNC J	56446			48114	KURM H	60259	KUSEL TAN I V		63475	KUZMANOVIC V	88336
KUNC K		KURM J A		34435	KURM J A	34435	KUSELKA T J		96193	KUZMANOVIC V	68171
KUNCHEV T	65867	KURMAN J A		28482	KURMAN J A	15632	KUSEN S I		13058	KUZMENKO YU P	11469
KUNDERT J	37264	15633	74871	74963	KURMANOV I A	12647	KUSHCHYAN K		16810	KUZMICH S I	80480
KUNDIGER K	66504	KURMIES B		9768	KURMANOV I A	9768	KUSHIBUCHI K		37916		80481
KUNDLER P	12024	KURNAKOV V N		94396	KURMANN J A	34435	KUSHIDA H		48211	KUZMIN I A	102581
KUNDRAT W		KURNATOWSKA A		50065	KURMANOV I A	12647	KUSHIDA J		28482	KUZMIN V I	103000
KUNDU A				50067	KURMANN J A	15632	KUSHIDA Y		58612	KUZMIN V P	48712
KUNDU B C		KURNICK A A		4107		74963	KUSHMAN L J		6837	KUZMINA K	79993
KUNDU H L	52724	KURNIK E	9595	12891	KURMANOV I A	9768			6837	KUZMINA L M	10699
KUNDZICH M M		KURNOSOV E T		59831	KURMIES B	9768		16021	16031		10785
		KURNOSOV K M		93665	KURNAKOV V N	94396	KUSHNER KH		55168	KUZNETSKAYA U A	67393
KUNERT G		KUROBE T	29624	60135	KURNATOWSKA A	50065	KUSHNER KH F		12466	KUZNETS G M	26417
KUNERT H				60260		50067			13526		44720
KUNERT S		KUROCHKIN K K		15835	KURNICK A A	4107			93004	KUZNETSOV A	33925
KUNEV M				28422	KURNIK E	12891	KUSHNIR E N		19885	KUZNETSOV A A	69244
KUNFFY Z		KUROCHKINA E E		80344		59831	KUSHNIR I		55388	KUZNETSOV B A	65920
KUNG K S		KURODA A		65703	KURNOSOV E T	102799	KUSHWAHA K S		4808	KUZNETSOV E	16869
KUNG K Y	95048	KURODA G		96812	KURNOSOV K M	93665		94897	95643	KUZNETSOV G	16986
KUNG P		KURODA M	30157	80853	KURQBE T	60135	KUSKE G		14337		54276
KUNG T S	27603	KURODA R	31826	93013		60260	KUSNEDELCEV M		62597	KUZNETSOV I N	16704
KUNG W		KURODA S	58612	93013	KUROCHKIN K K	15835	KUSNEZOV N	42351	43212	KUZNETSOV L V	57919
KUNG W H		KURODA T	106669	106669		28422	KUSOV V N	63476	63477		77739
KUNHIKANNAN C		KURODA Y	41038	41038		80344			73524	KUZNETSOV M D	58717
KUNHIRAMAN C A		KURDI I	100297	100297		93013	KUSS H		56334		101526
KUNIGU H		KURDIWA H	97324	97325	KURODA A	65703	KUSSE A D	70740	80579	KUZNETSOV M V	5914
KUNIHISA Y		KURDIWA J	58714	58714	KURODA G	96812			80595	KUZNETSOV N	20684
KUNIK P				100298	KURODA M	30157	KUSSMANN E		11899		45811
KUNINAKA A		KURDIWA S	58714	68881	KURODA R	31826	KUST C A		9868	KUZNETSOV N I	13526
KUNINDRI T	34896			100298	KURODA S	58612	KUSTER E		69243	28417	29499
KUNISAKI I		KUROIWA H	97324	97325	KURODA T	106669		101810	101811		29732
KUNISAKI J		KUROIWA J	58714	68881	KURODA Y	41038					

KUZNETSOVA L A	29732	LA CROIX E A S	94300	LACH W	27626	36579	LAFUENTE FERRINLS	64878	LAKHMITKINA A N	103278
	29893	LA CROIX G L DE	34737			72346	B 6290	6858	LAKHOTIA R L	61807
KUZNETSOVA L V	11549		96817	LACHAISE L L		56689		64878	LAKHTINOV V	74020
KUZNETSOVA M A	70121	LA FACE L	42139	LACHAMP M		75707	LAFUENTE-FERROLIS	6190	LAKING L	90422
KUZNETSOVA N A	50436	LA GRAVEREND E	26773	LACHANCE L E		5252	B	6818	LAKITS G	104455
KUZNETSOVA N E	49993	LA GRECA M	106088		5284	33168	LAG J	2280	LAKITS GY	62919
KUZNETSOVA T S	102529	LA MASSESE C S	777474	LACHANCE P E		71490		11265	LAKOCY A	83493
KUZNICKI F	60269		88941	LACHANCE R A		58051	LAGA M	65213	LAKOMIEC I	90983
KUZNIK I A	2112	LA PLACA M	22215	LACHANCE R G		94299	LAGACE A	13691	LAKOTA S	63608
KUZOVKIN E M	4558	LA ROXHELLE M F	89348	LACHARME J		78999	LAGACE B G		LAKOVAARA S	95049
	63286	LA RUE J H	96328	LACHASHVILI I YA		57594	LAGACE C F		LAKRA P	4298
KUZOVKOV A D	72981	LA RUCHE M	20144	LACHAUD S		89146	LAGADINOVA-STAIK-	48713		93547
KUZOVLEVA G	89843	LAAP P J TER	20144	LACHAUD S		75599	UVA E		LAKSHMANACHAR M S	103765
KUZUGUCHI K	96518	LAACKSONHEIMO J	65864	LACHESCHMID B		75599			80347	107412
KUZYAKINA T I	81308	LAAMANEN L	2987	LACHER V		32948	LAGAUE V	105263		
	70380	LAAN P A VAN DER	88924	LACHICA-GARRIDO M		54116	LAGER M M	87760	LAKSHMANAN K K	18975
	70381	LAAR A VAN	40550	LACHMAJER J		83256	LAGERGREN S	61469	LAKSHMIKANTHAM M	48217
KUZYAKOV N	43650		50664	LACHMAN E L		15693	LAGERLOEF E G	12377		50287
KUZURIN A N	16811	LAAR H H VAN DE	39506	LACHMAN W H		38262	LAGERLOF B	52255	LAKSHMINARAYANA K	94538
KVACHANTIRADZE M	43280	LAAR H J VAN DE	18991	LACHMANN A	74507	77445	LAGERLOF N	41722	V	
			20274	LACHOVER D	38211	39995	LAGERQUIST C	20022	LAKSHMINARYANA G	45154
KVAM K	39232		21225	80346	89537	100303		49215	LAL A B	58721
KVAPIL K	50734		29259	39505				61470	LAL B M	58914
KVARATSKHELIYA M	100301			39508			LAGERSTROM D	4088	LAL G	70564
		LAARMAN J J	14709	LACHOWSKI E		21866	LAGERVALL M	72050	LAL H	4730
KVASNICKA E	34552	LAAS E E	71258	LACHOWSKI G		29733	LAGERWALL P E	42774	LAL M	27543
KVASNICKA S	1968	LAASE G R	29623	LACHOWSKI J	38212	38213	LAGERWERFF J V	101732	LAL R	4654
	69994	LAATSC H W	29501	LACICOWA B		73261	LAGIDIA V	45427	14087	14121
KVASSHEIM A	109060	LABAKHUA L V	37397	LACINIA J		22213	LAGNEAU F	62281		14726
KVELLAND I	16348	LABAN M C	60401	LACIS A		22088	LAGONI H	15697	LAL R N	26069
KVERDALEN L	73391	LABANAUSKAS C K	9295	LACKAMP J W		9587	LAGOS F	21732	LAL S B	37456
KVICALA B A	94263		29461	18733	38241	59203	LAGOS J M	44190		99633
	105197	LABAND O E K	86737	LACKMAN D B		59356	LAGOS R G	49719	LAL S P	47398
KVICALA F	59465	LABANDAN M	13427	LACKMAN J		23542	LAGOSHA I	25972	LALAEV G B	28591
KVINGE N B	73392	LABARTA CARRENO C	70245	LACOMBE D		37958	LAGOSZ K	49878	LALANNE R	15742
	83628	E		LACOMBE D		53576	LAGRANGE E	22469	LALATTA F	25513
KVISLE O	21224	LAHEEUW N	49337	LACOMBE G		101527	LAGRONE W F	26780	37679	39996
KVITKO A Z	3378	LABELLE R L	84495	LACOMBE R		49043	34134	45819	LALAYAN A	56447
KVITKO G P	100302		96109	LACOSTE L	1032	58284		87067	LALAE V	96715
KVITKO K V	9586	LABEN R C	61945	LACOTTE R	42478	81752	LAGUARIGUE DE	60058	LALIBERTE J	20145
KVITRUD T	82748		62450			81753	SURVILLIERS		LALIBERTE N	9869



ITEM	ITEM	ITEM	ITEM	ITEM
LAMBERT J W 19682	LAMUSSE J P 55880	LANG A 9420	LANGLEY B C--CONT 67666	LAPTEV V I 92493
LAMBERT M 76717	LAMUSSE R 86472	17531 18997	67667	94140 94746
LAMBERT P D 82354	LAMVERMEYER E W 39033		68856	LAPTEV YU P 27719
LAMBERT R J 47874	LAMY L 63478	LANG A L 60421	682034	28454 78150
LAMBERT S B A 16582	LAMY M 63800	LANG D R 93666	14914	LAPUSAN A 101987
LAMBERT W V 87450	LAN C S 93734	LANG E 15744 30499	108033	LAQUEUR G 17216
LAMBERTI F 99401	LAN H A 42367	LANG F 731 15745	83560	LARA E F 94900
LAMBERTON J A 71513	LAN H A N DER 106133	44312 74965	6377	LARCHER W 38220
71514 91737	LANA E P 101411	66882	107601	LARENAUDIE B 83035
LAMBERTS E 36373	LANCASTER E B 34900	LANG G 87142	4731	83036 93854
LAMBERTSEN G 55635	4038	98756	54132	LARES T 41014
LAMBETH V N 85727	LANCASTER F W 24933	LANG GY 41884	49794	LAREZA L 36741
LAMBINON J 17897	LANCASTER J D 11644	LANG H C 16987 45996	93910	LARGE E C 27176
88337 89539	20685	LANG H K 100903	90811	LARGE J G 48220
LAMBION R 74611	LANCASTER J E 62841	LANG I 29734	65180	LARGE J R 99195
LAMBORN E W 34140	LANCASTER J L 23573	LANG J 46789	74782	LARGE R V 93617
LAMBORN O H 66220	63447 63509 95086	LANG K 35176 67450	86712	LARIKOV I A 7873
97460		75555	55451	LARIN I 19637
LAMBORN W D 76744	LANCASTER M C 105111	LANG L 16436	71261	LARIN I V 100976
LAMBOU M C 26070	LANCASTER R J 63250	LANG N 83991	78990	LARIN P A 101664
LAMBRECHT F L 4701	LANCASTER C 12507	LANG N J 667 37713	62282	LARIN V S 32693
4774 32669	LANCE R D 89540	LANG O 16705 26803	107602	LARIONENKO V B 86935
E N 5172	LANCELEY H D 62116	44761 65921	14310	LARIONOVA G F 81855
73581 106037	10788	LANG R 25045 61036	53068	LARLOS-RODRIGUEZ 88195
LAMBREV ZH 9597	LANCELOT A 89009	65165	18734	
LAMBUR E 92479	LANCKOW J 43811	11611	27687	LARIS P C 22216
LAME P 20872	LANCEZ E 31353 51879	33660	83315	LARIVEE J M 106654
LAMED S 61435 61436	LAND C E 75490	65720	96362	LARKIN E P 12990
LAMER M 54471	LAND D G 96845	4447	14104	LARKIN L 97444
LAMERDIN 70953	LAND J D 32769	LANG S C 4447	95462	LARKIN L C 54285
LAMERIS C L 49630	LAND J VAN DER 63883	LANG-W-DE-LA-CAMP M 99402	86400	LARKIN L C R 16404
LAMERTON L F 92728	94899	LANGBEN C 62117	49216	LARKIN M C 104219
LAMEY H A 37457 73203	LANDA A 30291	LANGDALE H 11932 71526	7720	LARKIN P J 72313
LAMFALUSSY S 50504	LANDA V 14963 43000	LANGDON A G 18320	46097	LARKIN R C 97327
LAMI GY 30935 31678	LANDAAL A J 63364	LANGDON B J 20024	45682	LARKIN R L 28377
62406 82717 104111	LANDAGORA F T 97665	LANGDON C S 10789	7361	LARKIN R M 12799
104536 104537	LANDAHL S 36009 56750	LANGDON J L 74829	26401	LARMOUR T A 35499
LAMIERI C 22215	LANDAR V 96077	LANGDON K R 18160	26923	56118
LAMIKHOV K F 13835	LANDAU L 103921	LANGDON O G 12025	37265	LAROCA S 105896
LAMIN L A 71259	4425	8851	25668	LAROSE P 15836
LAMINA J 22961 83034	LANDAU N 59364	18161	44914	LARPENT J P 28014
LAMM A 86399	LANDAZURI E S 52945	90672	55308	38221 58724
LAMM C G 20437 50064	LANDBECK H 11960	83529	30800	LARPES E 3467
LAMM G 86399	LANDBERG B 92782	88925	77998	LARPES G 2479
LAMM H 54095	LANDE M 27667	84537	77265	50202 59204
LAMM R 11551 20146	LANDECK J 27517	86473	98757	102092
68886 101414	LANDEL J P 18159	3504 40578	46600	54721
15113 74056	49466 55882	56191	32043	LARREA A 44191
74081	67003 67004	73205	62842	LARREA P 13613
47292	42222	45681	70991	LARREA R E 28713
LAMMERINK J 94898	92650	66513	96971	LARREA-PANTOJA M 22531
LAMMERS G W 28484	LANDERS L G 22388	4018	81129	22637 93104
LAMMERS R P 36353	LANDERS M K 55999	46585	85845	LARRICK G P 6119
LAMMERT T 53888	LANDERS R H 80482	67956	48219	24461 34106
LAMMERTS W E 1696	LANDES G 5803	108193	78596	54224 54257
1859 18994 68632	LANDGRAF A 75751 86227	2905	54327	74440 106655
LAMMING G E 31196	LANDGRAF H 32008	30107	22636	LARRIVEE J C M 32949
32158 62431 93134	LANDGREN N E 35996	40410	38219	53069 105445
LAMMLE S 2984	60295	38216	87143	LARROUY G 23543
LAMMLER G 91989	69613	18422	45812	23733
LAMO ESPINOSA E 67002	69434	12161	73714	105806
DE 95461	LANDI S 95461	12162	97050	LARSEN A 100895
LAMO-DE-ESPINOSA E 35644	LANDING J E 26072	79308	56449	LARSEN A B 13060
E 73019	LANDINI F 70319	82205	50558	104681
LAMO-ESPINOSA E 67002	LANDIS B J 52895	89541	50877	LARSEN A E 41805
DE 73231	73204	83307	50877	19350 89835
LAMOND D R 13630	61809	25737	9339	89463
92480 93666 103766	LANDMANN W A 35108	41254	81412	91586
LAMONT G 84488	45017 75554	22214	69990	8455
LAMONT P H 13799	LANDOLT E 36716	106254	62593	LARSEN C S 25403
LAMONTELLERIE M 23679	LANDON A M 8248	58086	52518	84489 96892
LAMOREUX W F 32071	LANDON D 61336	55307	52520	LARSEN E 17721
62701	LANDORFF M 85360	16205	75585	66928 98922
LAMOTTE C E 18995	LANDOU J 62477	86862	75585	LARSEN F 18998
LAMOTTE L C 4717	11156	3619	56450	LARSEN F E 1725
32692	LANDRAUD 22331	81937 103420	32477	LARSEN G S 90424
LAMOURE M D 8850	46167	70615	63287	LARSEN H 17383
LAMOUREUX C H 17604	LANDRUM N C 60652	88149	44256	LARSEN H E 13061
38335 57514 67781	LANDRY J E 30652	22481	103687	103260
15123	LANDSBERG J J 100306	83998	64503	LARSEN H J 41715
85846	LANDSPERSKY N 1060	41925	81976	LARSEN H S 78597
13228	LANDSTROM K S 46012	37088	71458	LARSEN J 13062
LAMP B J 59196	46086	37089	1061	LARSEN J B 51416
LAMP C A 29076	29927	63452	28485	51658 51659
LAMPARD E E 74706	74221	103749	25063	51661 51760
LAMPARSKY D 7306	LANE A M 82007	9870	45114	51762 51763
LAMPE K 56240	LANE B G 89931	88217	26515	51765 51766
LAMPAL Z 69361	5527	38217	48575	51768 51769
LAMPEN J O 52256	LANE C L 37173 60138	38802	58959	51771 51772
LAMPERT M 86738	LANE F E 48218	63413	99146	51771 51772
LAMPETER W 7416	LANE H C 9696 18996	82597	42141	LARSEN J E 59782
LAMPHER M E 26227	LANE J 64017 64018	37413	92823	LARSEN J T 25191
LAMPILA M 61655	76601	16122	74025	LARSEN K 9458
LAMPKIN G H 51793	84018	30292	79309	36860 9458
LAMPKY J R 215	LANE J E 84018	50876	71260	68500 89148
LAMPMAN C E 74200	LANE J R 88678 94035	10200	33075 78942	96213
LAMPMAN H H 107489	LANE L 56448	79039	100602	98550
LAMPMAN R 64778	LANE M H 81220	39650	39233	LARSEN L A 27227
LAMPMAN R J 98247	LANE R C 4964	49613	67393	LARSEN L M 52126
LAMPO P 12814 82350	LANE S H 56117 66644	99930	47875	LARSEN M 79854
LAMPORT D T A 99929	96679 107091	100307	16812	LARSEN M R 35646
LAMPRECHT H 27712	LANE T H 11439	57596	6167	LARSEN P 49448
27713 27714 27715	LANE W E 34901	86123	61474	LARSEN P H 108285
27716 27717 27718	LANE-PETER W 22465	71940	20539	LARSEN P O 38579
71146 71147 89282	24251	1638	23443	LARSEN R 13008
	72543	28557	26100	LARSEN R P 9999
	72544 82520 64973	938	63139	43601 49449
	4733	40008	92957	100127
	104252	3441	54842	LARSEN S 29928
	63945	3442 12893	106274	80042 101691
	48714	3030 3745	67609	LARSEN S A 34567
	86260	52369 67566	8598	34567 82770
	11144	27416	40411	LARSEN W 5579
	87029	102682	62496	53535 84193
		37176	44370	LARSEN W E 75117
			70122	LARSEN W M 60262
				LARSH J E 104182

LARSON A B	26418	ITEM 34140 75586	LASZLO E	74500	ITEM 106567 34254	LAURE G	50465	LAW J M	--CONT	ITEM 65409	LAZAREV P S	ITEM 103767		
LARSON A M		51065	LASZLO I		34254	LAURENCE B R	14033			75349	LAZAREV S F	90115		
LARSON B L	6441	44285	LASZLO L		15158		23726	LAW J P	89545	90828	LAZAREVA A G	88769		
	54611	103743	LASZLO T		24649	LAURENCIKAS A	32950	LAWALREE A	157	17822	LAZAREVA M S	46749		
LARSON B Y		32213	LASZTITY R		64757	LAURENSE J	106481		17823	36719	LAZAREVIC H	32742		
LARSON C L	80232	80599	LATALA J		31100	LAURENSE J M	58726	LAWES SIR J R		27458	LAZAREVSKAYA S L	73584		
LARSON D		91151	LATAPIE W R		10791	LAURENSEN E M	40225	LAWLER D C		3848	LAZAROFF M	101051		
LARSON D A	27544	37719	LATCHE J C	1370	10216	LAURENT C	65602	LAWLER F K		107365	LAZAROV I	103600		
		88150	LATEGAN A W		96609	LAURENT J	94087	LAWLESS G P		2113	LAZAROV M	47876		
LARSON D K		56495	LATEGAN P M		75773	LAURENTIAUX D	64551	LAWLESS J		55170	LAZAROV V	104700		
LARSON E J		13277	LATENDRESSE H		53263	LAURENTIAUX D A	52680	LAWLESS J R		48320	LAZAROVA R	79681		
LARSON F P		63625	LATERROT H	59858	90551	LAURENTIAUX-VIEI-	104953	LAWNICKAK M		21715	LAZAUSKAS P	2041		
LARSON G H	11092	60593	LATES M		34903	RA F	52680		61590	70941	LAZENBY A	69559		
LARSON H A		61319	LATEUR L		88151	LAURICH S A	2659	LAWRENCE A J		34436	LAZIC S P	28905		
LARSON K H		49697	LATHAM B		21382	LAURICIO F M	71583	LAWRENCE A O		37091	LAZIER S S	102970		
LARSON L A		89542	LATHAM D C		24325	LAURIDSEN L	8457	LAWRENCE C B		20540	LAZO M N	71755		
LARSON L H	43466	76427	LATHAM H		21590		24065	25809		9875	LAZORENKO F F	13558		
	82327	86739	LATHAM J M	49450	79593			32560		57948	LAZUREVSKAYA A	5145		
	95937	95938	LATHAM M C		67451	LAURIDSEN M L	93779	108849	LAWRENCE C W	821	LAZZARINI E	10057		
		95812	LATHEEF R A		3816			2737		822	LAZZARINI R A	10199		
LARSON M M		21288	LATHLEAN B		26073	LAURIE A	101318	LAWRENCE D		100311	69246	79001	107247	
LARSON N G		7874	LATHWELL D J		20376	LAURILA S	25492	LAWRENCE F		45915	LAZZARINI W	15537		
LARSON O F	36064	87367		40037	48190	LAURINICIK J	25201	LAWRENCE F P		45581			54425	
LARSON P F		2039		50035	70598	LAURITA R	25937	LAWRENCE G A		76783	LE Q T		76158	
LARSON P R	28015	30387				LAURITSEN A	1770	LAWRENCE G H M		1860	LE BARS H	4188	41330	
	60991	71262	LATIES G G	9675	9791	LAURITZEN C W	2562	LAWRENCE H L		70205		62815	62843	
LARSON R H	37348	99931		10054	38605	LAURS A	53779	LAWRENCE I E		13527	LE BAS M		85361	
LARSON R I		67412		68890	99932	LAUSI D	99775			93283	LE BERR E J R		73207	
LARSON R W		27720	LATIF K A EL		72526	LAUSKIS S K	2457	LAWRENCE J E		108705	73483	83736	105153	
LARSON W A		70038	LATIMER P		78598	LAUTERBACH P G	63728	LAWRENCE J M		20229	LE BIHAN F Y		106685	
LARSON W E	2480	11671	LATIMER R A		74519	LAUTH J P	15712		9876	27906	LE BIHAN J	75774	97666	
	39648	40126	LATKOVICS M		67154	LAUTIE R	22661	67530		90606	10673		65295	
LARSON W H	40708	81221	LATKOVICS GY		11553	LAUTNER V		92546	LAWRENCE J W		85467	LE BOURDELLES J	19585	
LARSON B		76428	LATKOVICS MRS GY		80348	LAUTZAS F G		59029	LAWRENCE P N		95626		55045	
LARSON B M	P	17532		29735	80046	LAUVERGNE J J		54176	LAWRENCE R F		7	LE BRAS J	45267	66125
	20026	20027	LATORNELL A D		11440			21995	94747	94748	94755	LE BRETON E		86295
LARSSON E L		3381	LATSIS A A		31827	LAUVERJAT S		31355	LAWRENCE R L		97354	LE CHEMINANT D A		72141
	3382	13201	LATTAR S F		107358	LAUWE J	76322	73864	LAWRENCE R V		30681	LE CHFVALIER F		27228
LARSSON F G		92197	LATTER D H		33169	LAUWERS H		30937		51293	71527		57003	
LARSSON G	45972	8456	LATTERELL R		100442	LAUX A O	101615	38222	LAWRENCE T	18999	19638	LE CLERC A M		44094
		69748	LATTES A	11266	39727	LAVABRE E	14190		38222	48835	100312	LE COMTE S B		91113
LARSSON H		69797	LATTIG H E		12822	LAVABRE E M	23302	LAWRENCE T L J			3542	LE CONTE J		52865
LARSSON J		73393	LATTIN G DE		67567	LAVAGETTO F	100310				12894	LE COQ C		17725
LARSSON L		74406	LATTIN J D	5375	95181	LAVAGNE A	9340	LAWRENCE W		47655	39234	LE CORRE L		79273
LARSSON L J		82328	LATTUADA J C E		56650	LAVAGNE A		70123	LAWRENCE W E		72401	LE COURT M DE		24665
LARSSON L J		66929	LATYPOV A Z		79157	LAVALLEY M		77759	LAWRENCE W H		50944	LE DIZET P		96803
LARSSON N G		2379	LATYPOVA R M		80342	LAVARENNE A		89092	LAWRENCE W J C		17533	LE DU J	34904	101051
		100814	LATYSHEV D		29126	LAVATE V V		69174		90258	96047	LE DUC T		35799
LARSSON R	85529	106361	LATZ K E		17057	LAVAUD J	41329	LAWRIE I D			94451	LE GALL A	4407	93673
LARSSON S		19320	LATZKO E		39787	LAVAUDEN L	91628	LAWRIE R A	7103	7130	94951	LE GALL J		83318
LARSSON U		87584	LAU A		90597	LAVAUDEN L	99196		25865	25866	41627	LE GARREC Y		82228
LARTER E N		27661	LAU R S		7366	LAVCHYAN F K	28017	LAWRIE R A	7103	7130	94951	LE GOUIS M	65492	74407
LARUE J H		49060	LAU T L		52299	LAVE L B	35647		52659	65835	93855	LE GRAND F	19710	22068
LARUE J N		4075	LAUB A		13185	LAVEE S	9873	LAWRIE W			59030	LE GRAND F		70298
LARVOR P		3468	LAUBE W	4559	12508	LAVELEYE Y DE	107300	LAWROVA N K			94881	LE GRAND M		79371
LARYEA A A		105285		54722	65214	LAVELL R J	65868	LAWS B M			4187	LE GRAVEREND E		57453
LARZELERE H E		6860		103145	104799	LAVEN H	105521	LAWS E Q			96804	57454	88153	98759
	7135	45460	LAUBER H J	65408	87194	LAVENDER D P	2768	LAWS L			103261	LE GROS G	42153	104606
LASAK J		97328	LAUBMANN M		53000		50878	LAWSON B M			4393	LE GUELTE P		42164
LASALA M	60139	30515	LAUBSCHER F X		9588	LAVENKOUA V N	48711	LAWSON C F			45523	LE GUEN F		55884
LASATER T		91055	LAUBSCHER H		8365	LAVEROURE A M	73585	LAWSON D D			12650	LE GUEN F		22156
LASBY W W		51662	LAUCIANI E	70774	80640	LAVERS D W	13268	LAWSON D E			94811	LE MAGNEN J		74441
LASCELLES A K		6442			80641		92907	LAWSON F R	83316		84144	LE MARCHAND G		90529
	62283	82736	LAUCK D R		105837	LAVERTON S	17260				94340	LE MARE P H		20688
LASCOMBES G		89543	LAUDANI H		23363	LAVERY G H	76782	LAWSON G H K			13811	LE MEN J	19321	100598
		100308	LAUDANI U		33457	LAVERY W E	57373	LAWSON G W			11743		103636	100678
LASEK W		25973	LAUDEHU Y		64202	LAVES F	45191	LAWSON H M	39512		39513	LE MINOR L		4390
LASERNA-OJEDA R		52321	LAUDER I M		72238	LAVESON L	67541	LAWSON J D			21607	LE NAIL F		79825
LASHKOV A		36485	LAUDERDALE K R		102437	LAVETTE A	53578	LAWSON J R			62285	LE PENNEC J		32480
LASHLEY F A		108738	LAUDI G	37266	91587	LAVIE D	19351	LAWSON K F			82424		35012	81805
LASKA P	63998	75258			99933	LAVIE P	63746	LAWSON R H			37458	LE POIDEVIN N		101988
LASKE P		11552	LAUENER L A		17722		95439	LAWSON T			61337	LE POUL F		83037
LASKER YA		53781	LAUENSTEIN		12102	LAVIETES H J	105470	LAWTON J R S			68891	LE QUESNE W J		33266
LASKIN B		20873	LAUER F I		9872	LAVIGNE R J	5286	LAX T			80405	73715	73716	95215
LASKOWSKA R		28016	LAUER W		35433		73647	LAXA O			12665	LE RAY J	21412	51066
LASKOWSKI K		74783	LAUERMANN L H		92824	LAVIGNE R W	49928	LAXMINARAYAN H			46609	LE RICHE H H		29504
		74784	LAUERMANN G		31101	LAVIGNETTE A M	81708				35551	LE ROUC S F		23
LASKOWSKI M		98156	LAUERSEN F		98361	LAVILLE C	106772	LAY P A			16437	LE ROUX D J		72336
LASKOWSKI S		50065	LAUFRER S	65003	75420	LAVILLE E	18162	LAY C O			51413	LE ROUX D P		77124
	50066	50067	LAUFF G H		53577	LAVILLE H	23639	LAYER C LE			31272	LE ROUX F H		2164
LASKOWSKI W		18735	LAUFFER M A		67465	LAVIN F	79310	LAYER P C			103883		20443	
		37714			68276	LAVINTMAN N	107246	LAYFIELD F H B			108608	LE ROUX G D		96366
LASLEY F		15670	LAUG E P	15440	85794	LAVIOLETTE F A	8899	LAYMAN A B			61305	LE ROUX M S		49120
LASLEY J F	4467	12467	LAUGHAN D		51159		57751	LAYMAN L E			35236	LE ROUX P		69248
	13763	82160	LAUGHERY E G		85128	LAVIOLETTE P	105648	LAYNE J N			23512	LE ROY		54875
LASMANIS J	41677	41678	LAUGHLIN K	8712	36861	LAVKULICH L M	90984	LAYNE R E C			9877	LE ROY H L	3385	17403
	41679	41679	LAUGHLIN R		63946	LAVKUMAR K S	27518				88221	21733	51381	51382
LASNIER-LACHAISE		48659	LAUGHLIN W M		29736	LAVOIE S	47846				84221		91797	92198
L			LAUGHTON E M		47759	LAVOIGNAT P	73536	LAYRISSE M			83257	LE ROY P		54426
LASOCKI H		10790	LAUGHTON N		3932	LAVOISIER A L	27458	LAYTON E W			104112	LE RUMEUR C		10992
LASOCLS X		38732	LAUMONNIER R		10940	LAVOLLAY J	46586	LAYTON T A			108922			23180
LASORSA P		46387	LAUNAY E		30936	LAVRANDS J J	46875	LAZA S			2040	LE SAINT A M		58729
LASOTA T		39997	LAUNAY M		76157		46875	LAZANYI A			100978	LE SMYTHE T M S		36864
LASOTA W		74344	LAUNCHBAUGH J L		1601	46876	46877	LAZANYI L			9589	LE THOMAS A		8715
LASSCHE J B		25450			28667	LAVRENKO E M	77359	LAZAR A	8870		68230	LE TOURNEAU D		7645
LASSE R	25974	25199	LAUNDER		65927		36718	LAZAR D	80349		80350			38431
LASSERRE R		65922	LAUNDER R A		65923	LAVRENYUK N M	57452	LAZAR G			61318	LE TOURNEAU D J		6938
LASSITER C A		31354	LAUNDON G F		8852	LAVRINENKO A P	10545	LAZAR I			99555	LE VAN C	70566	70567
		41522			88533	LAVRINENKO V T	16542	LAZAR L			3000	LEA A		23070
LASSOIE L		91921	LAUNDON J R		37000		97944	LAZAR M	16906		59205	LEA A O		33229
LAST F T	8936	18220			37001	LAVROV L I	62284		74084		76429	LEA C H		6120
	18311	27177	LAUNER H F	6637	25200	LAVROV M T	50575	LAZAR M E			6891	LEA H W		27179
LAST H		68162	LAUNERT E	8713	88338	LAVROVA T S	12714	LAZAR O						



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
LEACH C M --CONT 100313	LEBEDINSKII G V 102446	LEE C W 41016	LEFFEF W J B-CONT 53486	LEHOCZKY M 80351	LEHOCZKY M 80351	LEHOCZKY M 80351	LEHOCZKY M 80351
LEACH D G 49217	LEBEGUE A 58345	LEE D C 105447	LEFFEL E C 21777	LEHONGRE G 69245	LEHONGRE G 69245	LEHONGRE G 69245	LEHONGRE G 69245
LEACH H W 24375	LEBEL P 45264	LEE D H K 56751	LEFFEL R C 9398	LEHOTSKY L 12104	LEHOTSKY L 12104	LEHOTSKY L 12104	LEHOTSKY L 12104
LEACH J G 14215	LEBEL R G 21647	LEE D J 14035	LEFFINGWELL R J 5678	LEHR J H 120	LEHR J H 120	LEHR J H 120	LEHR J H 120
LEACH J L R 73206	LEBEN C 57949	LEE F A 25529	LEFFINGWELL R J 5678	LEHR J J 11267	LEHR J J 11267	LEHR J J 11267	LEHR J J 11267
LEACH L C 46878	LEBERT H 44124	LEE F W 72749	LEFFINGWELL R J 5678	LEHR J R 30051	LEHR J R 30051	LEHR J R 30051	LEHR J R 30051
LEACH L D 37140	LEBEURIER G 18319	LEE G S 27306	LEFFINGWELL R J 5678	LEHRER A Z 14641	LEHRER A Z 14641	LEHRER A Z 14641	LEHRER A Z 14641
LEACH M 34812	LEBIS M E 46587	LEE H C 80938	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEACH M R 25954	LEBLANC F 64	LEE H J 93631	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEACH R I 27545	LEBLANC J 83847	LEE H W 44993	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEACH R J 79333	LEBLANC R 55169	LEE H Y 73642	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEACH R M 13460	LEBLANC W 20611	LEE I 43699	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEACH S J 75109	LEBLOND C 28851	LEE I D G 2959	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEACH T M 107129	LEBON J H G 29929	LEE I K 100637	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEACH W M 106094	LEBORGNE L 70409	LEE I M 34141	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEADABRAND R 11912	LEBRETON P 59047	LEE J 20686	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEADBETTER E R 28019	LEBRETON R 15386	LEE J A 68634	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEADER R W 52077	LEBRUN A J 4732	LEE J B 50016	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEADLEY T S 13202	LEBRUN D 14964	LEE J E 53610	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAF A L 46481	LEBRUN F 70342	LEE J J VAN DER 87180	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAFE E L 39514	LEBRUN J 9878	LEE J S 25202	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAFE F L 39517	LEBRUN J P 36720	LEE J W 16123	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAGANS J P 67155	LEBRUN R 12324	LEE K 58170	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAHEY A 27006	LEBROCK K L 9590	LEE K Y 36321	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAHY J S 3322	LEBROCK K L 9590	LEE L C 69638	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAK G J 17424	LEBROCK K L 9590	LEE L H 91015	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAK P W 104715	LEBROCK K L 9590	LEE L S 7294	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAK W B 30388	LEBROCK K L 9590	LEE L T 60429	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAKE W S 60992	LEBROCK K L 9590	LEE L T C 91761	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAL J A 19352	LEBROCK K L 9590	LEE M J 100637	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAL J C 82223	LEBROCK K L 9590	LEE N C 34793	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEALI L 15634	LEBROCK K L 9590	LEE O C 11122	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAMAN D E 44288	LEBROCK K L 9590	LEE P E 23216	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAMY M L 1831	LEBROCK K L 9590	LEE R 32616	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEANDRI J 8714	LEBROCK K L 9590	LEE R E 27546	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEANDRI J 17723	LEBROCK K L 9590	LEE R M 73208	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEANDRU L 102615	LEBROCK K L 9590	LEE R S 43322	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEANDRU V 47656	LEBROCK K L 9590	LEE R W 78520	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEANIZ-RIVARA R 30938	LEBROCK K L 9590	LEE R W H 97091	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD J F S 41531	LEBROCK K L 9590	LEE S 9880	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD R L 51541	LEBROCK K L 9590	LEE S 15539	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD S L 51880	LEBROCK K L 9590	LEE S C 47657	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEE S D 72311	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEE S T 83317	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEE S Y 98294	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEE T C 78422	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEE V 77002	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEE W 64758	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEE W G 34718	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEE W H 33996	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEE W J 7875	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEE W D 2061	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEE Y C 32478	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEE Y M 77361	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEEBURN M E 69862	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEECH A P 2130	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEECH J H 58285	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEECH M J 14376	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEECH R M 59018	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEED T W 15414	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEEDALE G F 37724	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEEDER J G 6404	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEEDY C D 87316	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEEF J S 20278	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEEK B F 32264	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEEK R G 63126	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEELAVATHI R 72224	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEEMAN F W 108790	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEEMANN W 51595	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEENDERTZ B 102211	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEENHEER L DE 20440	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEENHOUTS P W 57515	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEENTVAAR P 27417	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEEPER G W 20392	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEEPER P W 1958	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEES A D 14744	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEES E 105855	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEES F T 33411	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEES J C 52473	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEES P 81199	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEES P 31725	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEES P 104184	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEES P D 38224	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEESCH H L 4503	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEESCH L K 62844	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEETE E 79004	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEEUW M VAN 34738	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEEUW W P DE 77964	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEEUWEN A VAN 779329	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEEUWEN C G VAN 77191	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEEUWEN C J VAN 63118	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHRMAN D S 31756
LEAD T R H 91992	LEBROCK K L 9590	LEEUWEN J C VAN 20388	LEFFINGWELL R J 5678	LEHRMAN D S 31756	LEHRMAN D S 31756	LEHR	

LELLEY J	38735	ITEM	89547	LENNARTSSON T	16230	LEONIDE J C--CONT	14642	LESINS K	--CONT	89153	LEVCHENKO N G	4392
LELOIR L F	16140		90033	LENNARZ W J	100639	LEONORI-OSSICINI	37185	LESKA H		23364	--CONT	61811
LELOUCHIER P			58980	LENNES G	78495	A 37186	47205	LESKA W		14193	63124	72852
LELOUP E			18442	LENOIR J	34332	LEONOV I P	64490	LESKE U		92598	LEVCHENKO N K	99435
LELOUP J			47658	LENSCH J		LEONOVA T G	57492	LESKI B		18163	LEVEILLE G A	98363
LELUTIU C			10248	LENSCHOW			57598	LESKI R		6819		10892
LELY J V D			63239	LENSCHOW J	41442	LEONOVICH V V	51543	23071	47124	88612	LEVELT T W M	3983
LELY J VAN DER			76069		95997		61810	88613	88776	105286	LEVETON B H	2992
LEMAIRE J			26550	LENSINK B M		LEONOWICZ A	3100	LESKINEN U	30314	40623	LEVEN H J VAN	66713
LEMAIRE J M			87031	LENSKI I		LEONTE A	70638			102616	LEVENBERG B	58992
LEMAIRE L			37002	LENSKII L A		LEONTEV A I	30940	LESKO J		51534		89823
LEMAIRE-ADORE M			59164	LENSKY J	42803	LEONTEVSKII K E	35179	LESKOVA A YA		73390	LEVENSON E	40663
LEMAITRE			97110	LENSKY Y	73394	LEONTIEF W	6245	LESKOVA E S		20340	LEVER R A	79894
LEMAITRE R			6443		83632	LEONTIEVSKII N P	81250			101616	LEVERINGTON K C	50676
LEMAN P			30046	LENSSELINK P	101320	LEONTOVYC R	9074	LESKOVA D		99625		60426
LEMAN V M			25671	LENSSELINK P H	47150		17973	LESLEY J W		823	LEVERINGTON R E	16032
LEMARCHAL P	5943		54011	LENT J D	71334	LEOPOLD A	31356	LESLEY M M		823	LEVETON R M	43884
LEMAY J A			86295	LENTSNER A	2483R	65386	90034	LESLIE J B	94142	94143	54077	64718
LEMBCKE G			4199	LENTZ A N	10693			LESLIE J K		12058		108934
LEMBERG B			11998	61536	61537	81413		LESLIE P H		73595	LEVESQUE A	98085
LEMBERG I KH	54516		74872		91665	103013		LESLIE R B		74330	LEVESQUE G	53488
87670	96543		101415	LENTZ C P	7364	7367		LESLIE W R	69808	69865	LEVESQUE L	62295
LEMBKE A	24837		48379	54310	55744	75796		LESTIAK S		16231	LEVETT J	15901
82229	98405		72225		75831	97330		LESNOVSKAYA N P	100092	100092	LEVETT-YEATS B C	45155
LEMBKE D			107029	LENTZ J H		84322		LESNYKH V I		32423	LEVETZOW R	13022
LEMBKE W D	40228		64759	LENZ B		61450		32424	32454	32454	LEVI H W	32694
LEMBKE R			78603	LENZ H		95221		LESNERANCE A L		12870	73527	83787
LEMCKE R			21867	LENZ K		11167		82116	82165	82230	LEVI L	55656
LEME H DE A			95914	LENZ K O		26282		LESSARD J R		11662	LEVI M I	32695
LEME J			6262	LENZ L W		17534		LESSE H DE	73820	95465	LEVI M P	81387
LEME E			88973	LENZ O		50938		106005	106006	106006	LEVI W M	19005
LEMENI V			14191	LENZ P		54258		LESSELLS W J		70522	LEVIE A	65924
LEMERT A B			8067	LENZ W		85531		LESSER F H		52772	LEVIE W H	92729
LEMESHEV M	56296		76299	LEO A		107030		LESSERTISSEUR J		53141	LEVIKOV G A	64550
LEMESLE R	9459		18576	LEO M DE		75676		LESSITER F	26476	75245	LEVILLAYER R	76697
			57597	LEO M W M	11193	11194		75775		75775	LEVIN D A	10259
LEMETRE G			63414	20442	29503	49720		LESSLEY B V		29889	LEVIN D R	108574
LEMIE E H			53043			68897		LESSMAN G		70557	LEVIN E	100639
LEMIEUX G J			90812	LEO P DE		99271		LESSMAN K J		19531	LEVIN E Y	59031
LEMKE B J			28209	LEO T DE		82818		LESSO J		19532	LEVIN F I	11455
LEMKE H			107413	LEOKENE L V		48859		21812		61141	LEVIN G G	24
LEMKE P A	46998		88534	LEON A P		22822		LESTER D T	40650	61142	LEVIN G M	66272
LEMMIEN W			30293	LEON GARRE A		29551		LESTER R N		98760	LEVIN J H	15063
LEMMIEN W A			37363	LEON J	77192	90765		LESTOILLE M		7145	74092	106325
53045	105396		105489	LEON J DE		105489		16221		105538	44653	54949
LEMMIEN W L			30430	LEON M		92615		LESTON D	64111	93667	LEVIN M	85679
LEMMON A B			87860	LEON P		40229		LESTRANGE J L		93668	LEVIN M D	37664
LEMMON M			3205	LEON V M DE		46242		93686		88833	LEVIN M S	15345
LEMMON P E			50751	LEON-CASTANOS J		40545		88833		79682	LEVIN N A	13708
LEMOINE B			71194	LEON-CHUECOS N		13770		LESYUK E A		56451	LEVIN S	63261
LEMOINE J			97427	LEON-GALLEGOS H M		47295		LESZCENKO P		56451	LEVIN S M	74137
LEMOINE M			89011			47296		LESZCZYNSKA J		58701	LEVIN V B	34576
LEMON E			19003	LEON-GARRE A		94540		LESZCZYNSKI W		50101	LEVINA E M	58945
LEMON E R	1065		18987	97556	100314	108923		LETCHWORTH P E		22216	LEVINA F J	37580
20404	68875		69147	LEON-PORTILLA M		17014		LETEINTURIER J		85848	LEVINA I G	13063
LEMON L G	108165		108607	LEON-REY J A		7972		LETELIER E		70327	LEVINA R	19036
LEMONDE A			63915	LEONARD A		82425		LETELIER B		19639	LEVINA V I	101837
LEMONNIER J B			42308	LEONARD C G		75111		LETEY J	11195	48225	LEVINE A S	6741
LEMONS P			20575	LEONARD D E		52946		58686	60076	60656	LEVINE G	29458
LEMPER			85016			64110		78604	90813	101659	LEVINE L	33207
LEMPEREUR O			83630	LEONARD E A		54259		1371	19004	24918	LEVINE N D	21868
LEMPKE B J	33415		53487	LEONARD E P		41734		LETHEM W A		24918	62395	92730
			98570			104003		LETHEM W A		24918	92730	104113
LEMS G	11145		20339	LEONARD G A		2382		LETICHEVSKII M A		62961	LEVINE R P	10014
27789	49555		79893	LEONARD J	17726	26815		LETOURNEAU D J		16064	LEVINE W G	28022
LEMS K			121			26816		98923		98923	LEVINGER I M	62451
LEN R E			93285	LEONARD J W		36406		101168		101168	LEVINGS C S	9592
LENANDER S E			69864	LEONARD M D		84043		105198		105198		18737
LENARTOWICZ E			73819			95214		67156		67156	LEVISHKO P A	88614
LENARTOWICZ T			27182	LEONARD M J		11745		89152		89152	LEVIT A V	3207
LENCO M			97178	LEONARD O A		29268		67571		67571		3933
LENCSEPETI J			35109	61075	61076	90675		5819		5819	LEVITA B	43323
44996	45085		81910	LEONARD P L		16545		44476		44476	LEVITAN M	14643
LENDE B			22701	LEONARD R		86401		3206		3206	LEVITIN L	81661
LENDENSKAYA L D			78224	LEONARD R A		39761		66085		66085	LEVITSKY J	67146
LENDER T			73585	LEONARD R E		2761		48224		48224	LEVITT J	19007
LENDVAYOVA O			55288	30456	49929	49930		7721		7721	LEVONAH H J	80601
LENEHAN M			36084	LEONARD R O		25191		76159		76159	LEVONEN H J	59726
LENETS I A	31465		63122			56544		42252		42252	LEVRATTO R	61750
LENEUF N			49880	LEONARD S	34168	34169		42253		42253	LEVRIER M	51884
LENEY L			51113	34178	55173	55175		87671		87671	LEVSEN P	81389
LENFELD J			98491		55532	55533		23314		23314	LEVY G A	103191
LENG E R			69352	LEONARD S J		6904		82857		82857	LEVY B R	3095
LENG H F			105103	25412	33737	55052		46588		46588	LEVY D M	17406
LENG R A	4355		52447			55085		73501		73501	LEVY E B	17385
LENG Y C	95050		105731	LEONARD W F		75024		94384		94384	LEVY J	100636
LENGAUER E			82013			75421		39691		39691	LEVY J A	9718
LENGEL D E			55885	LEONARD W H		48715		46389		46389	LEVY J F	80355
LENGEL P A			77362			69412		108707		108707	81389	90355
LENGEMANN F W			22218	LEONARD W M		28679		66646		66646	LEVY J S	57005
LENGER A			100168	LEONARDI L	51472	52014		81911		81911	LEVY L	67157
LENGYEL A D			2381	52015	52016	81719		34672		34672	LEVY M	36315
LENGYEL GY	57951		88561	82450	82451	82451		67320		67320	LEVY N	106646
			88775	LEONARDO M F		42320		108850		108850	LEVY Y	75307
LENGYEL J			13040	LEONDURAND L		34907		17727		17727	LEVYKIN N N	73959
LENGYEL L	7876		26419	LEONDURAND M L		75422		72556		72556		106215
LENGYEL P			102983	LEONE A		27023		23927		23927	LEVYNS M R	46768
LENGHARD G			40000	LEONE A M		35210		40002		40002		67791
LENGHARD N J			42749	LEONE C A		52609		64604		64604	LEW J Y	19290
LENOFF H M			9940	LEONE D E		1066		76859		76859	LEWALLIN L L	4657
LENIGER H A			54308	LEONE G		9771		82518		82518	23149	32586
54309	74522		85017	LEONE I	68006	75299		21336		21336	48716	64070
			96111	LEONE I A	27024	37047		38021		38021	91136	3633
LEININ V I	56625		56648			88611		58547		58547	61656	61706
87295	102138		102138	LEONG C Y	5403	95187		78434		78434	LEWANDOWSKI M	31359
LENINGRAD V I R			38354	LEONG G F		71756		3469		3469	LEWANDOWSKI M	38225



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
LEWIS B M 11512 70535	LHUISSIER M 96425	LIDENLAUB C 97109	LIKESN S T 44141	LINCOLN R G 69250	ITEM
LEWIS C E 1861 2018	LI C C 43084 46301	LIDER L A 63627	LIKACHEV N V 21870	LINCOLN R S 101733	ITEM
50070 79594 101321	89867 99300	LIDTKE W 48860 69560	LIKOSHAY S S 76300	LIND E M 17729	ITEM
LEWIS C H 102420	LI C F 89375	LIDTVEIT A 56835	LIKOVSKY Z 83858	LINDAHL I L 13649	ITEM
LEWIS C L 16452 16453	LI C H 2769 58424	LIDVALL E R 93770	LILENKOV I P 81663	LINDAHL P E 81980	ITEM
26303	102530	LILIEHOOK B 97871	76301	103428	ITEM
LEWIS C T 105021	LI C K 90873	LILIEBECK C 86863	54260	LINDAHL P E B 9886	ITEM
LEWIS D 4483 18779	LI C L 95466 99905	LILIEFELD F A 20875	18738	LINDAL J J 56545	ITEM
22916 41926 42265	99938 99939 105686	LILIEWEISS G 31603	89948	LINDAMOOD J B 25028	ITEM
93134 93798	45684 91273	LILIS R 51821	100506	107031	ITEM
LEWIS D C 100315	LI C P 102769	LILJA N 72144	8493	LINDAUER E E 41674	ITEM
LEWIS D E J 89866	LI C S 105566	LILJEDAHN J B 64504	2131	LINDAUER M 14311 14312	ITEM
LEWIS D G 20444 22428	LI C T 41397	33774 43529 59959	23437 23513	42819	ITEM
LEWIS D J 5290 14036	LI F L 108494	8487 22302 46243	64537	LINDAUER R L 41674	ITEM
42505 83239 83258	LI F Y 100475	LIEBENEINER E 2870	48975	90087	ITEM
LEWIS D S 28671	LI H H 17728	LIEBENOW H 36322	12221	LINDBERG B 19353 21641	ITEM
LEWIS D T 70552	LI H L 10795 57455	LIEBENOW R C 27230	5645	30572 69251 78912	ITEM
LEWIS E 83856 106522	59727 59728 77363	86864	20796 70674 70812	LINDBERG DR K 95102	ITEM
LEWIS E J 38585 89548	LI H S 103030	45191	104161	LINDBERG G D 37457	ITEM
LEWIS E P 44770	LI H W 9593 37871	LIEBERAMN E M 28025	84674	LINDBERG H 14746 14747	ITEM
LEWIS F B 53470	LI I S 90035	LIEBERMAN A S 90450	106455	17362 42872 83829	ITEM
LEWIS F H 37092 57750	LI K C 86123 95651	LIEBERMAN F V 52831	29269	83859 83860 83861	ITEM
57806 77745	106134 106135	LIEBERMANN J 14917	49453	83862 83863 83864	ITEM
LEWIS G 3909	LI K M 106286	LIEBERMANN J C 67572	48977	95216 95218 95219	ITEM
LEWIS G D 27369 99406	LI L C 106398 106399	LIEBEROTH I 60243	43738	95219 95220 95875	ITEM
LEWIS H 17605 46881	LI L H 1372	60263 70229 90810	53940 74178	105839	ITEM
LEWIS H B 49267	LI L L C 69206	LIEBETRAU R 51826	77746	LINDBERG H R 80233	ITEM
LEWIS H C 32833 42691	LI L T 60428	LIEBEZEIT D 2687	93921	LINDBERG J 8189 17730	ITEM
LEWIS H E 27307	LI M H 100316 100887	LIEBIG A 66447	68163	34577 35434 56093	ITEM
LEWIS H H 49267	LI M S 100816	LIEBIG J 17353	72646	108101	ITEM
LEWIS I F 42775 109115	LI P C 99940	LIEBIG J VON 78762	85532	LINDBERG K 73486 83749	ITEM
LEWIS J 39446 44369	LI P C WU W C 95467	LIEBISCH A 93843 103238	4714	LINDBERG M 9887	ITEM
LEWIS J C 6820	LI P K 62651	103263	55196 68900	LINDBERG P 96971	ITEM
LEWIS J G E 23560	LI P L 67792	LIEBMAN A A 100561	105802	LINDBERG P G 97737	ITEM
94903	LI P N 13709 92482	LIEBMAN H 21869	41650	LINDBLAD L 55865	ITEM
LEWIS J H 55512	LI P S 60723	LIEBMAN R 79828 107248	64155	LINDBLUM H 68760 78607	ITEM
LEWIS J K 78035 79311	LI R T 60430	LIEBMAN W 83857	65410	85795 88616	ITEM
79312 79337 81662	LI S C 40231	LIEBO S P 58732	32951	LINDE A B VON 8460	ITEM
81917 91303	90005 100007	LIEBOLD E 2744 12419	41548	20029	ITEM
LEWIS J M 104663	LI S H 90573	30254	42320	LINDE A VAN DE 19267	ITEM
LEWIS J N 87672 96190	LI S L 28486 47916	LIEBRECHT S 84829	16339	LINDE H 100640	ITEM
LEWIS J W 2380 2638	LI S P 70728	LIEBSCHER K 103119	88499	LINDE J A VAN DER 26074	ITEM
91389	LI S T 92316	LIEBSTER G 57953 100319	88500	173568	ITEM
LEWIS K H 6024 15380	LI S Y 63559	106314	86942	LINDE R J VAN DER 38230	ITEM
33995 96408	LI T C 101617	LIECHTI H 9276 37501	81443	LINDEBERG B 105732	ITEM
LEWIS K H C 104607	LI T H 44997	LIEDBERG G 45685	30669	LINDEBERG G 2219	ITEM
LEWIS K O 12896 22090	LI T J 60078	LIEDE V 69285	49558	LINDEBERG K H 35037	ITEM
LEWIS K R 100062	LI T T 101989	LIEDERMANN H 108137	44560	35046	ITEM
LEWIS L F 64019	LI W H 102683	LIEFFROY J M 44915	9460	LINDEBERG R G 67771	ITEM
LEWIS L N 9845 38226	LI W Y 90022 90036	LIEFMANN R 50466	89549	LINDEBERRE K O 40506	ITEM
38227 47446 95521	LI Y C 28024 31102	LIEFTINCK M A 14965	89550	LINDEGAARD J 284	ITEM
100327	32481 79895	LIEGOIS F 12571	58964	2042 10350 11061	ITEM
LEWIS M R 109148	103037	LIEKENS H 2383 38229	7711	19640 20690 25494	ITEM
LEWIS M R W 72128	LI Y H 99941	40356 58733 70444	99287	26228 100818	ITEM
LEWIS N B 91546	LI Y L 59274	71148 71149	78605	LINDEGAARD L E 21999	ITEM
LEWIS N F 25493	LI Y S 90088 90814	100320	107569	LINDEGREN C C 824	ITEM
LEWIS P 87335	LI Y Y 99626	60427 60429	44673	99627 99906	ITEM
LEWIS P B 72226	LIACU A 69749	LIEB S L 28071	85680	LINDEGREN G 99906	ITEM
LEWIS P K 22301 45055	LIKOPPOULOS A 102126	LIEB W N 106090	21638	LINDEGREN J E 105790	ITEM
LEWIS R B 47125	LIANG L C 93856 95563	LIEBARD P 42190	19316	105797 105798	ITEM
LEWIS R E 52013 53579	95564	LIEBNER I E 13474 69249	30390	LINDELL G 72347	ITEM
64277 71757	35553	LIEBHARD G 38668	91016	LINDEMAN G V 63948	ITEM
LEWIS R M 104005	LIANG T 33557 29684	LIEBHOP E 25949 35095	100749	LINDEMAN J 10942 19012	ITEM
LEWIS R W 8538 36597	LIANG T S 46513	LIEBK S E 63616 63628	9522	59834	ITEM
LEWIS S 58129	LIANG Y F 100318	83431	65603	LINDEMAN R D 8326	ITEM
LEWIS S C 59032	LIANI A 19010 21229	LIEPELT W 94541	81502	LINDEMAN W 1067	ITEM
LEWIS S G 3208	21230	LIEPINA M 27547	95468	LINDEMANN G 106173	ITEM
LEWIS T 53580	LIAD J C 8716 69618	LIEPINIS A 49795	60430	LINDEMANN H C 74221	ITEM
LEWIS T E 80009	77558	49796	59209	LINDEN D VAN DER 72979	ITEM
LEWIS T L 48227	LIAD L Y 45814	LIEROP A VAN 56864	9884 59409	LINDEN G 29552 59950	ITEM
LEWIS W 108033	LIAD M C 108604	LIERSE W 103264	81555 100181	78751	ITEM
LEWIS W H 49022 99937	LIARD O 58731	LIESCHE K 6121	107739	LINDEN P 71396	ITEM
LEWIS W W 50071 54725	LIARD E 9882 10218	LIESE W 21716 57285	46676 49764	LINDEN P VAN DER 8003	ITEM
70568 80357	10219 48228	61371 81390 81391	59409 60881	LINDEN R 29857 58087	ITEM
LEWIS Y S 54999 55636	LIBBERTE 9883	LIESENKOTTER I 78985	60428 60429	LINDENAU H 93914	ITEM
LFWISTON D S G 16583	LIBBEY L M 6378	51885	60430 60431	LINDENBERG H L J 29899	ITEM
LEWITUS Z 35478	LIBBIN S A 56031	LIESS B 31361 51885	72705 99200	LINDEQVIST J 17315	ITEM
LEWONTIN R C 28023	LIBBY D A 74339	LIESS J 4190 4465	1056	LINDER H 1602 46590	ITEM
LEWOT D W 33171	LIBBY J L 73209 77624	LIEH H 48268	53441	71635 76302 100979	ITEM
LEWTHWAITE G R 65019	77625	LIEUX P 22391	95328	100980 101058 101728	ITEM
LEWYNSKY P 23444	LIBBY W F 76909	LIFLAND L 34614	65720	101990	ITEM
LEWYTKYJ B 106546	LIBERATORI J 54488	LIFSHITZ A 45228	108575	LINDER H F 66416	ITEM
LEXANDER K 38228	LIBERTA A E 67957	97331	101070	LINDER J 65781	ITEM
LEY F W 99199	LIBERTI A 26019 62110	LIGER P 19886 69798	82628 100586	LINDER R 18577	ITEM
LEY H F 72043	LIBIKOVA H 42506 45116	LIGGETT E P 97795	100817 102491	LINDFORS J 71032 102864	ITEM
LEY K 25310	LIBKIND A 83788	108358	101617	LINDGREN D L 84817	ITEM
LEYDEN R F 37093 101530	LIBKIND A 84610	LIGHT A 54117	75916	LINDGREN I 69303	ITEM
101531	LIBMAN G 37514	LIGHTBODY L G 34333	57892	LINDGREN N O 4191	ITEM
LEYDET F 91618	LIGOR D 88615 90927	54663 106900	2832	LINDH T 25848	ITEM
LEYE T 53142	LIGRA E A 56544 76377	LIGHTER W C 7301	86539	LINDHAL P E B 19013	ITEM
LEYEN H J VAN 7940	LICCIARDELLO J J 6030	LIGHTFOOT R J 13746	75916	LINDHARDT K 68325	ITEM
LEYERSER L 96730	LICENCE A 34179	LIGHTHALL M T G 19709	2718	LINDHE B 22000 75556	ITEM
LEYH C 78385	106702	LIGHTLY A A 12105	79005 102492	81991	ITEM
LEYLAND E 24026	LICERAS-ZARATE L 504	LIGHTON R E 57457	86540 93945	LINDLEY C E 71919	ITEM
LEYMONIE A 82231	LICHARD M 23157	LIGNY H J DE W DE 20341	40930 81436	71970	ITEM
LEYS H N 122	LICHEV V 85129 85130	LIGON J T 2543 40232	81467	LINDLEY J 88010	ITEM
LEYTON L 58730	LICHIKAKI V M 57785	LIGONNES P DE 23009	59279	LINDLEY M 79906 80983	ITEM
LEYVRAZ H 10664 39084	LICHNOWSKY L 66647	LIGOU P 33017	88674	LINDLEY W H 3620	ITEM
39085 39086	LIGHT G 77556	LIGOUZAT B 62833	21648	104864	ITEM
LEZHAVA G A 13528	LICHTBLAU S 43885	LIGUGNANA E 3386	9885	LINDMARK R D 50559	ITEM
LELIAS C 83737	LICHTENBERG J J 4638	LIGUORI A 20689 51663	65176	LINDNER A 30446	ITEM
LHERAULT P 32817	LICHTENSTEIN E P 42602	52488 71941 72052	94144	LINDNER A F 24462	ITEM
99702	42745 49556 49557	93913 97736	95136	LINDNER D 63125	ITEM
LHERITIER P 64020	LICHTENTHALER H K 48579	100721	57600	LINDNER E 5291 43085	ITEM
LHERITIER-DE-BRU-TELLE C L 46805	LICHTI H 53124	LIIE E 72936	57601	LINDNER H 3722 12509	ITEM
LHERMITTE J P 29620	LICHTWARDT R W 67958 67959	LIIRI O 30693 30695	101532	LINDNER H 58734 90815	ITEM
LHOST G 5175	LICHY C T 90696	41091 41092	19011	LINDNER H R 51545	ITEM
LHOSTE J 39515 43003	LICPERTA E 31360 62292	LIIV J 107092	48397	LINDNER K 57139 57140	ITEM
49452 53196 83430	103768	LIJFERING S H W 98098	98761	LINDNER M 43828 96007	ITEM
LHOTIA D 68899	LID J 123 36722	LIJZEN J 17058	54448	LINDNER R C 285	ITEM
LHOTSKY D 99035	98924	LIKAR M 4733	74290	LINDNER A 4857 37451 99608	ITEM
	LIDDLE L B 9422	LIKENS G E 68380	56022 76698	LINDPERE A 2165 101734	ITEM
	LIDEN K 57094 74445	LIKENS S T 78888	13413	LINDQUIST A W 93978	ITEM

ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
LINDQUIST B 124	LINNARTZ M E 50696	LIPSHITS S YU 46883	LITTLEJOHN A I 104683	LIVINGSTON J E 80972	
8455 27510	91749	57602 57603 109132	LITTLEJOHN A 31680	LIVINGSTON J R 104219	
LINDQUIST C H 21276	LINNASALMI A 461	LIPSITS D V 37269	LITTLE A E 1960	LIVINGSTON L 7295	
LINDQUIST D A 23249	LINNAVUORI R 105840	LIPSITZ E Y 64071	LITTLER J W 39047 90356	LIVINGSTON M L 3852	
42573 42986 73602	LINNE I 91588	LIPSKII V I 27577	LITTLER J W 38736 40003 69413	LIVINGSTON R 19355	
83155 104971 105041	LINNE K VON 42359	LIPSKY H T 106812	LITTLEWORT M C G 51517 72438	LIVINGSTON R B 99785	
LINDQUIST E E 53197	LINNE MANN G 57416 73481	LIPSON M 6638 54843	LITTMAN M L 68902	LIVINGSTONE D 95184	
94752	12026	96731 96732	LITTMANN E L 66650	LIVINGSTONE R G 36085	
LINDQUIST I 30060	91450	4061 72568	LITTON C C 37076	LIVINGSTONE R M 4561	
LINDQUIST J C 99407	LINNERT A 37094 106363	93105	LITTON G W 33620 92318	LIVRE A G 24840 92926	
LINDQUIST J L 2745	LINNERUD A C 82511	26544	LITTRELL D L 38173	LIVRE S 39729	
LINDQUIST R V 1905	LINNIK E F 79829	87195	44602	LIXANDRU G 68715	
LINDQUIST W D 31608	LINNUAJA A 93857	38231	45880	LIZARRAGA A J B 48453	
83038	LINON G 25906	107349	LITVINCHUK L N 102796	LIZASUAIN R 104565	
LINDQUIST B 6379	LINON G P 72160 97355	105113	LITVINENKO A N 108424	LJUBARSKY L 55311	
LINDQUIST R 2544	LINON P G 62293	24376	LITVINENKO P YU 109187	LJUNGDAHL W A 41402	
LINDROOS A R 61414	LINOYVYSKA M YA 29775	48231	LITVINENKO V I 34000	101665	
LINDROSS B 30501	LINOW F 35354 55683	19829	69253	LLAGUNO C 74569	
LINDROTH C H 42873	LINQUIST W E 44713	79514	80733	LLANO-COMPANY M 37270	
98571 98572 98573	LINS E W 8058	23365	LITVINOV M A 101537	LLERENA J L 13670	
98574 98575 98576	LINSCHIED J 8106 17491	80106	LITVINOV N I 63629	LLWELYN F W M 78609	
LINDSAY B 4354	LINSCOTT D 63711	102685	LITVINOV P I 79313	LLOMBART C 44140	
LINDSAY G 52448 63094	LINSCOTT D L 28026	100484	LITVINOV V N 1627	LLORENS A A 55745	
LINDSAY F W 102929	29270	92317	LITVINOVA N P 28547	55582	
LINDSAY G 17731 36865	LINSENMAIR K E 63949	16285	LITVINOVA V I 33719	LLORENTE FRANCO S 59050	
LINDSAY G E 46882	LINSER H 9889 19016	37581	LITVYAKOV P 37096	68972	
LINDSAY G G 15054	19017 89551 100321	21951	LITWIN E 103605	LLOYD A 8031	
LINDSAY J O 11410	LINSKENS H 48229	12259	LITWIN C J 37096	LLOYD A G 7877 7941	
LINDSAY P 31656	LINSKENS H F 18618	71758	LITWINOWICZ J 17163	LLOYD A S 55887	
LINDSAY R C 65120	19354 59041 78608	6552	27231 34982 36243 55474	LLOYD B S 44627	
LINDSAY R T 13949	LINSLEY E G 5176	13012 23054 25363	LITYNSKI A 38887 58735	LLOYD C G 26935	
LINDSAY W L 19014	5457 14819 23593	32601 34695 34696	LITYNSKI M 45292 59210	LLOYD C J 53001	
LINDSEY A A 89012	53241 53434 53435	41561 42595 42785	45292 59210	LLOYD C R 40876	
LINDSEY A M 72400	53442 63916 105649	43908 44595 44603	50073 50074	LLOYD D 39238 48532	
LINDSEY A W 109198	105880 105884	54974 62062 62236	LITZENBERGER F 43628	LLOYD D C 95329	
LINDSEY M F 1500	LINSLEY J G 62702	69201 70286 72227	LIU C 38737 68381	LLOYD E C 78382 78383	
LINDSEY M M 47862 33558	LINSLEY R K 80602	79759 80102 85391	LIU C C 2833 101059	LLOYD E M H 108852	
LINDSKOG L 30216	LINT H VAN 20691 39945	44296 85308	LIU C H 33996 60631	LLOYD F 106456	
LINDSLEY D L 14667	40233	LISKA J W 75780	LIU C K 100888 106216	LLOYD G A 37271 63560	
LINDSTEN K 64021 64022	LINTEAU A 61077	LISKE H 64880	LIU C L 105025 105074	LLOYD G G 104278	
LINDSTROM D E 58088	LINTEN H VAN 19763	LISKIN A E 69045	105502 105650 105651	LLOYD G T 24841	
56910 56911	LINTON A H 3247	LISKUN E F 27533	105996 106007	LLOYD H G 61200	
LINDSTROM J R 98159	LINTON B 30450	LISNEY A A 27443	LIU C P 30013 30014	LLOYD J E 53264	
LINDSTROM R 43662	LINTON D A 35047	LISOV V I 102987	66319 69618	LLOYD J H 9167 15225	
LINDSTROM R S 19015	LINTON G E 25203	LISOVENKO L T 58290	LIU C T 28029	LLOYD J R 68370	
LINDSTROM T 53647	LINTON J H 32265	LISOVSKY S M 79159	LIU C Y 17836	LLOYD L 72808	
LINDT I I 53852	LINTON R E 91750	LISOVSKAYA E N 48745	LIU C Z 101593	LLOYD L E 4489 7104	
LINDT J H 35896	LINTON R G 71636	LISOWSKI S 17836	94575	7165 12510 15776	
LINDT S 82364	LINTON-SMITH L 74873	LISSAK M 76468	LIU F 94591 105943	2177 25975	
LINE C 104006	LINZELL J L 4383	LISAVENKO M A 59498	LIU H C 87317 102814	LLOYD M K 55738	
LINE L J S 14313	22793 31445 104682	LISST T P 59498	LIU H J 66417	LLOYD N C 105288	
LINE R F 382	LINZEN B 53338 94605	LIST R 67655	LIU H M 100880	LLOYD P B 78382 78383	
LINERAN D 69310	LIOGENKII G L 102465	LISTER D 77557	LIU H P 27326 47515	LLOYD R 84675	
LINES R 40580	102531	LISTER G O 87270	LIU I J 95137	LLOYD R C 11989	
LINWEAVER H 7355	LION B 72403	LISTER R M 9228	56032 56452	LLOYD R M 673 88154	
LING C 107921	LIONBERGER H F 26806	LITNER G 106496	LIU J H 77703	LLOYD T 26957	
LING C W 102684	46347 56952 67264	LISTO T 40234	LIU K 7481 44193	LLOYD W E 13779	
LING C Y 70294	LIORET C 9890	LISTON J 7562	LIU K C 75845	LLYOD L E 103120	
LING H 47723	LIOTTA G 33326 33416	LISTON M I 45482	LIU K Y 1056	LNENICEK Z 81133	
LING H W 72548	83320 83432 83433	LISTOPAD A E 20794	LIU L C 462 48468	LO A H 39656	
LING R S 19187	95469 105199	LISTOPAD-KIZMINA L 39380	LIU L J 31199	LO C C 99300	
LING S D 1065	LIPA F 109011	LISTOPAD-KUZMINA L 39380	LIU M L 31199	LO C P 102493	
LING T L 28981	LIPA J 99201 105022	LISTOV A A 102686	LIU P S 102259	LO C T 105404	
LINGCAPPA B T 101812	LIPA J J 23072 33012	LISTVIN K S 80358	LIU P T 95037 105104	LO K M 91274	
LINGCAPPA Y 9888	68040 73090 73091	80359	LIU R C 64671	LO K S 66017	
LINGE F 32182 63025	105023 105112	LITARDIERE R DE 65	LIU S C 105287	LO M P 81437	
LINGLE J B 41443	LIPANOWICZ J 12652	LITAV M 37582 58171	LIU S F 66744	LO S N 105188	
LINGLE J C 939 20635	LIPATNIKOV Z G 5950	LITCHFIELD C 16306	LIU S H 50797 91188	LO S W 100323	
LINGONBLAD O 54472	LIPATOV N N 15635	26075	LIU S J 102532	LO SARDO G 82488	
LINHARDT G 81597	LIPATOVA V 57516	LITCHFIELD J H 6054	LIU S S 73879 106008	LO T B 21648	
LINHART H 34571 85600	LIPBECKI J 29271	27347 65166	LIU T S 32481 94690	LO T C 88777 99099	
LINHART S B 46014	LIPIN V A 13722	LITCHFIELD W H 11411	46884 67847	LO T Y 50985 100324	
LINIGER G M 25311	LIPINA A N 104377	LITOVCHENKO G R 63017	LIU T T 77558	LO Y C 63026	
LININDOLL H W 14241	LIPINSKA H 31828 72585	LITOVCHENKO G R 63017	LIU T Y 5581	LO-BIANCO G 26976	
LINK A 52795	LIPINSKY E E 66649 97738	LITOVCHENKO G R 63017	LIU W S 92876	LO-GIUDICE V 101154	
LINK C B 39237	LIPINSKY E S 6054	LITOVCHENKO G R 63017	LIU W T 94145 105010	LO-MONACO M 108609	
LINK D A 73961 84323	LIPIS B V 24667	LITOVCHENKO G R 63017	LIU Y 50879 106217	LOACH P A 78408	
LINK E G 2282	LIPKE H 73092	LITOVCHENKO G R 63017	LIU Y C 46736 106054	LOADS F W 79595 90249	
LINK L A 48743	LIPKE H 42111	LITOVCHENKO G R 63017	LIU Y S 95471	LOAKE J R 20018	
LINK R A 21437 91695	LIPNICKI J 92483	LITOVCHENKO G R 63017	LIU Y H 92876	LOAN C D 5177	
LINK R O 57006	LIPNITSKII M 24075	LITOVCHENKO G R 63017	LIU W S 100322	LOAN L C 7399 26209	
LINK R P 21874	LIPP A E 68901	LITOVCHENKO G R 63017	LIU W T 94145 105010	LOAN R W 4560 103991	
72124	LIPP A E G 28027	LITOVCHENKO G R 63017	LIU Y 50879 106217	104865	
LINK W E 97239	LIPPARINI L 96492 107740	LITOVCHENKO G R 63017	LIU Y C 46736 106054	LOBACH T YA 38455	
LINKE G 32391	LIPPER R I 74277	LITOVCHENKO G R 63017	LIU Y H 99408	LOBACHOV A M 73649	
LINKE H 66085 74442	LIPPERT B E 78036	LITOVCHENKO G R 63017	LIU Y S 95471	LOBANOV K P 22963	
LINKE M 75557	LIPPERT L F 383	LITOVCHENKO G R 63017	LIUKSIALA A 17303	LOBANOV V YA 100750	
LINKE W R 98578	1959 2496 59810	LITOVCHENKO G R 63017	LIUTI A 25938	LOBANOVA T A 39856	
LINKER G 17732	LIPPINCOTT B B 69252	LITOVCHENKO G R 63017	LIUTKEVICIUS R 43750	LOBARZEWski J 35355	
LINKLATER D W 40843	LIPPINCOTT C L 3851	LITOVCHENKO G R 63017	LIVENS J 70299	LOBAN J J 4504	
LINKO R R 96219 97332	LIPPINCOTT J A 69252	LITOVCHENKO G R 63017	LIVERMORE D G 75322	LOBBECKE E A 14820	
LINKUN M 86740	LIPPMANN K 17059	LITOVCHENKO G R 63017	LIVERMORE D U 56337	LOBENSTEIN C W 49219	
LINN A 8461 24180	LIPPOLD P C 23024	LITOVCHENKO G R 63017	56035 66351 75949	LOBER H 4452 108203	
LINN M B 73089	LIPPOMAN M 81982	LITOVCHENKO G R 63017	LIVERS R W 58425	LOBERG A E 82626 84676	
LINNA E 47298	LIPPS R C 102327	LITOVCHENKO G R 63017	58426	LOBINGER F 35800	
LINNA F 14410	LIPUNER C 85973	LITOVCHENKO G R 63017	64023	LOBL D 2224	
LINNAEUS C 27458	LIPS C 92670	LITOVCHENKO G R 63017	40845	LOBL I 43004	
LINNAMIES O 50560	LIPSCOMB A G 7480	LITOVCHENKO G R 63017	81427	LOBL J 20147	
61471	LIPSCOMB C G 14877	LITOVCHENKO G R 63017	78937	LOBMAIER G 63228	
59092	95470	LITOVCHENKO G R 63017	78153	LOBO M J DE S 48234	
45815	LIPSCOMB J F 75516	LITOVCHENKO G R 63017	42011	LOBOV M 89552	
LINNANE A W 59092	LIPSCOMB R W 2172	LITOVCHENKO G R 63017	100641	LOBOV N 80603	
LINNARSSON S 45815	LIPSCOMB W N 38556	LITOVCHENKO G R 63017	99409	LOBOV V P 68903	
	LIPSETT J 48230	LITOVCHENKO G R 63017	57458	LOBOVNIKOV T S 102447	
		LITOVCHENKO G R 63017	75803	LOBRY M A 31362 35119	
		LITOVCHENKO G R 63017	92484	71759 71760	



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
LOBZHANIDZE E D 41166	LOFLAND H B 104478	LOMBARDI D ---CONT 93289	LOO L G W VAN DER 96611	LORD R F 55462	ITEM
LOCASCIO S J 103054	LOFORS J 41398 104147	LOMBARDI M 79127	LOOF B 10517 16307	LORD T H 53536	
19887 101715	LOFSTEDT H 31197	LOMBARDINI G 14458	69353 78611 97415	LORD TODD 53394	
LOCATELLI A 51546	LOFSVOLD F F 65539	LOMBARDINI S 108661	LOOFT J T 101322	LORD W J 29149 29272	
82452	LOFTHAUG O 16631	LOMBARDO N 51886 52449	LOOKER J H 59095		
LOCCI R 101811	LOFTIS H A 85373	LOMBO T R 49931	LOOMAN J 89013 89014	LORDANOV S 103195	
LOCHE J 38233	LOFTSGARD G 13064	LOMEJKO S 78610 79160	LOOMER C W 67008	LORDELO L G E 505	
LOCHEN R 40733	LOFTSGARD L D 7955	LOMIBAO B A 81600	LOOMIS C W 10466 16551	LOREEN E 80604	
LOCHER F 88926	7991 16988 26864 27056	LOMIYA N YA 49061	LOOMIS E C 95124	LOREN-ZONI G G 78051	
LOCHER F J 58122		LOMNICKI A 42932	LOOMIS R B 14459 94754	LORENCOWA J 5465	
LOCHMANN E H 7123	LOFVENBERG S 3072	LOMNICZI B 62846	LOOMIS R S 2555 9798		
LOCHMANN E R 28030		LOMONOSOV P I 102192	19020 68906 83307	LORENCOWICZ M 71638	
	LOFY M F 5365 30802	LOMUNOV A 44370	100325 100326		
LOCHNER E H W 73295	LOGACHEV V E 97978	LONG W 38739	LOOMIS W 101562	LORENZ D E 13529 104379	
LOCHOW J VON 78230	LOGAN C 58048	LONGIN M 15591 106703	LOOMIS W E 10092 18785	LORENZ F W 42025	
LOCK G W 59286	LOGAN H 27022	LONDO G 57605		LORENZ G 15839 62088	
LOCKARD C R 12325	LOGAN K T 102818	LONDON R A 27308	LOON J H VAN 71263	LORENZ H 15415 104148	
	LOGAN L A 88341	LONDON W T 64773	LOON J VAN 12247		
LOCKARD J D 57801	LOGAN P C 21332	LONEY B E 12897	LOONEY W F 7601	LORENZ K 93443 98561	
	LOGAN S H 33720 55531	LONG D 53941	LOONEY Z M 54772 65296	LORENZ M 100681	
LOCKE E G 21608 71512		LONG D L 54277	75074 85594	LORENZ O A 50075	
LOCKE L F 101678	LOGAN V S 82137	LONG E J 12106 27057	LOOPE K E 54724	LORENZ O M 55752	
LOCKE M 78154 99942	LOGAN W J C 67158	98579 91995	LOOPER E G 67060	LORENZ R J 22595 28031	
LOCKE R S 7356 35243	LOGANBILL E 76699	6211 49631	LOOS A 15346		
LOCKER R H 45021	LOGEMANN F 108287	LONG F E 6211	LOOS M A 69201 79759	LORENZ W M D 61814	
LOCKETT A 67321	LOGEOIS A 18552	LONG F L 2166 49631	LOOS W E 80102	66087	
LOCKETT M F 31725	LOGG C P 33778	LONG F W 70824	LOOSE R DE 825 1071	LORENZEN C 85846	
	LOGGINS L A 40896	LONG H H 80234	LOOSER G 36488 98994	LORENZEN H 68502 78701	
LOCKHART C L 104183 104184	LOGGINS P E 3045	LONG I F 68905	101536	LORENZEN P 109133	
385 16033 27690	63168 103517 104588	LONG J 65399	LOOSLI J K 3470 3471	LORENZEN R T 96138	
88730 96893		LONG J A 83494	3780 4012 22091	LORENZO-ANDREU A 89869	
LOCKHART E E 24668	LOGINOV A S 62294	LONG J E 74786	22117 51774 62017	LORENZONI C 933	
	LOGINOV G 5792	LONG J K 34818	72043 92358	LORENZONI G G 18739	
LOCKHART J A 68904	LOGINOV M A 48299	LONG J S 66011		LORETI F 9341	
LOCKHART J M 40004	LOGINOVA L C 89868	LONG J T 84738	LOOSMORE R M 41333	LORGNIER C 20279	
LOCKHART W C 62845	LOGINOVA L G 38554	LONG M E 2546 5679	LOOTS C H 71445	LORI R 3972	
	LOGINOVA L N 1169	5866 5966 15055	LOOW H 5786 75263	LORI R D 3853 92731	
LOCKHART W R 88244	LOGINOVA M M 5404	24181 24182 27322		LORIA M W 1072	
LOCKHOFF K H 56454		33763 43511 43700	LOPATIN I 94905	LORIETTE C 52610	
LOCKIE G D 66505	LOGINOVSKII G E 95051	54054 64552 74156	LOPATIN I K 14543	LORIGA G 31103	
LOCKING G L 107649	LOGODINOVA E 38738	84304 95940		LORIMER J W 49761	
LOCKRIDGE W W 104087	LOGOTHETIS B 58736	LONG M L 106400	LOPATKO M I 3037	LORINCZ F 44998 82232	
LOCKWOOD A N 2737	LOGVINA M G 68943	LONG O H 29739 60432	LOPATNIKOV G I 13668	LORINCZ J 50076	
LOCKWOOD J L 101812	LOHDA A 7921 44654	31944 62847	LOPATNIKOVA G 63073	LORINCZ L B 37272	
LOCKWOOD J T R 75517	44814 44815 45916	22639 31922	LOPER G M 19356	LORINTZ T 63201	
LOCUSTE E 19019	90282 96829	62847	LOPES A DE D 71876	LORIYA M L 100159	
LODESOL A 50289		LONG R A 92651 107599	LOPES H DE S 83963	LORKIEWICZ M 92985	
LODE N 79830 101533	LOHER W 73865	LONG R B 21484	LOPES J A A 83042	LORKIEWICZOWA M 93077	
LODEN H D 16387 66156	LOHLE K 13457 82533	LONG R W 89285	LOPES N F C 88618	LORKOVIC Z 14378 43285	
LODER G 57286	LOHMAYER C 104114	LONG S K 55174	LOPES-BORIO E B 78095	LORNEZ E 104815	
LODGE D B 55638	LOHMEYER H 47907	LONG T J 38106	LOPEZ A 6693 44762	LOROUGHON G 88342	
LODGE G A 22918	LOHNE H 40779	LONG W G 65540 107301	64881 65545	LORTIE M 9075 28032	
LODGE J R 22014 62021	LOHR A D 77691	LONG W H 76303 83321	LOPEZ BENEDITO J 65411	47299 99628	
	LOHR E 38234	LONGBOTTOM G A 26807	LOPEZ BRU J M 2730	LORTSCHER H 3387	
LODGE R W 1603 91994	LOHR L 84324	LONGCHAMP R 39516		13066 92485	
	LOHREY R E 61078	79831 101534	LOPEZ DOMINGUEZ H 60113	LORVIK S 30955	
LODH S B 25496 26376	LOHRE L 108192	29740 50290 60140	LOPEZ F L C 48025	LORY F 10972	
LODHA B C 17899 18801	LOHRE G A 43005 94904	LONGENECKER D E 27627	LOPEZ F R 51317 81538	LOS B J W 88155	
LODHA K R 22219	98578	LONGENECKER J B 27348	LOPEZ GARCIA J 60478	LOS G J 89553 96048	
LODHA M C 78769	LOHWAG K 12281 30557	LONGENECKER J E 46677	LOPEZ H 27349	LOS K 54591	
LODI F 106523	30558 61366	LONGERBEAM J K 174161	LOPEZ J A 71264	LOSA T M 17733	
LODI G 25085	91688	LONGEST J 66952	LOPEZ L C 93186	LOSADA M 1312 48607	
LODYG A B 55537		LONGEST J W 45755	LOPEZ R H 68164 103570	78871	
LOE R H 59277 69483	LOI G 105733	56456	LOPEZ RUBIANO H 59211	LOSCH R 84289 95733	
	LOIDINA G I 47535	106136	85250	LOSCHAU M 91438 102413	
LOEBENSTEIN G 18321	LOINBERGER H F 87452	LONGHENA G B 1800	LOPEZ-AMG F 44477	102448	
LOEBL I 107922	LOISEAU J E 18607	14194	LOPEZ-BENITO M 29742	LOSCHIATO S R 14544	
LOEBLICH A R 99943	LOISEAUX S 46960	84677	91115	33519	
LOEFFEL F A 38756	LOISEL R 41332	84678	LOPEZ-CAMPOS J 1961	LOSCHNIG F 98580	
	LOISELLE R 78291 100363	64477	LOPEZ-GARCIA J 39020	LOSE E D 83964	
LOEFFLER K 82388	LOJDA L 21731	84496	LOPEZ-GONZALEZ A 15592	LOSEE S T B 71169	
LOEFFLER M J 35356	LOJEWski S 56455	28952		LOSEVA E I 73524 73528	
LOEFFREN G 41093	LOJO-LESTIN J J 35395	65417	LOPEZ-GONZALEZ M 45456	LOSEVA T 66506	
LOELFING P 98762	LOK S H 35897	20030	LOPEZ-HERNANDEZ J 26283	LOSEVA Z E 47763	
LOELWING D A 91390	LOKANATHAN P S 17164	2603	LOPEZ-HERNANDEZ J 16439	LOSHAKOV V G 50171	
LOEKKE E 49338		6466	A 25086 75846	89989	
LOESCH P J 1542 10151	LOKEN A 13950 30327	1168	LOPEZ-LORENZO P 3622	LOSITSKII K B 21290	
	53443 95330 102687	39049	95980	40537	
LOESCHCKE V 69254	LOKHMATOV N A 91597	LONGLEY R S 59469	LOPEZ-MANAN C E 32675	LOSONCI K 86741	
LOESNER I 54043 76620	LOKHORST W 93338	34180	32707	LOSONCZI P 66651	
LOEST 97610	LOKKE D H 98763	74509	LOPEZ-MATUS M 40545	LOSOS G J 32513	
LOFTSCH F 50576 71104	LOKONEN P 69866	10220	LOPEZ-RIOBOD F 90259	LOSSNITZER H 47720	
	LOKRAS S S 97235	49237	LOPEZ-RIOBOD-REN-REIRO F 38741	LOSSOIS P 18162 19021	
LOEW G 26077 26078	LOKVANCIC H 3663	1501		LOSTAK B 21089	
LOEW G E 107741		28383	LOPEZ-RIOBOD-TEN-REIRO F 38741	LOSTAD-CAMON J 35801	
LOEW H 106962	LOLIGER H C 52038	18520		LOT F 37097	
LOEW J 33062 52807	52258 62576	74510	LOPEZ-ROS J 31945	LOTAN J E 21231	
		29741	LOPEZ-RUBIANO H 79161	LOTHEISSEN W 46168	
LOEW W 56721	LOLLI B 32523 63313	80360 100943	LOPEZ-SAEZ F 71725	LOTHER K 31198	
LOEWEL E L 43542 44654	LOLLIS D W 43151	16124	LOPEZ-SAEZ J F 18546	LOTHIAN T R M 101103	
59579 60300 69750	LOLYD L E 41927	LONGSTREET R W 92891	27505 89114	LOTHROP R E 67589	
88617 90323 101218	LOM F 87032	LONGWELL J H 27722	LOPEZ-VILLANUEVA P 85974	LOTOISKY H S 28672	
LOEWELL E L 106218	LOMA J L DE LA 1069	29457		29077	
39048		49632		68424	
	LOMAJZE R V 105266	463	LOPPINET C E L P 36443	LOTSCH D 32482	
LOEWUS M W 95221	LOMAGIN A V 1070	9229 18322 52926	LOPPNOW H 31596 31610	LOTSCHERT W 58172	
LOEFFELBEIN H 103398		77912	104094	89016	
LOEFFLER H 81351	LOMAKINA L YA 84044	91346	LOPPOLD P 52726	LOTSE E 38236	
	LOMAN A 96137	101535	LOPUSHINSKY W 39235	LOTSMANOVA P N 103000	
LOFFMAN D 41809 98295	LOMAN A A 21461	64351	68907	LOTSPEICH F B 29623	
LOFGREEN G P 17306	LOMANDER L 48236	60843 61294	LOPUSKI C 89015	70258	
61657 62118 81664	LOMAX J W E 55639	65493	LORANT B 97232	LOTT E J 81567	
82055 82088 103895	LOMBA F 22823	17858	LORANT B H 11062	LOTT R V 37776 44694	
LOFGREN B E 81556	LOMBARD C 3621 13065	18758	LORANT M 7557	96852	
LOFGREN C S 63379	13279 62295	58384 58427	LORAS V 71491	LOTT T B 8937	
63415 83165 93943	LOMBARD L S 13280	77364	LORAS V 6122	LOTTE M 42530	
104967 105002	LOMBARD P B 6821	46609	LORCH L VON 64761	LOTTI G 11289 19022	
	11703 101196	86177	84792	70319 101738	
LOFGREN G 87953	LOMBARD P E 22824	65739	LORCK F 6117 15438	LOTZE J C 63126	
LOFGREN J 90251 98160	62119 103569	70579	24459 54222	LOU C H 90676	
LOFGREN J A 30064 42603	LOMBARD T A 36245	15671	LORD J 85602	LOU S Y 34773	
68041 73093 94465	LOMKAS J 46392 87673	24486 24487	LORD J E 16306	LOU T S 108791	
LOFGREN R A 89251	LOMBARDI D 31943 93288		LORD K A 4655	LOUB W 2220 49797	

	ITEM		ITEM		ITEM		ITEM		ITEM
LUBB W	--CONT 70371	LOWDERMILK W C	80700	LUBORADZKI S	41524	LUDECKE H	1663 59425	LUKASIEWICZ A	48243
LUBRIAT C	33902	LOWE A D	5405 42410	45917 97979	79797	68909 78157	78613	LUKASZEWICZ M	34298
LOUCH H M	6467		73094 94273	LUBOVSKII N P	101537	79683 91116			74967
LOUCKS D P	80939	LOWE C C	10475 48834	LUBS E	49581	LUDEKING H	34362	LUKE D L	91729
LOUDIL L	97051	LOWE C H	9346	LUC J	35955	LUDEMAN J A	286	LUKE F H	62139
LOUDON T M	17165 57008	LOWE E	16034 84978	LUC-CLAVERY E	5600	LUDEMANN H	5787 16632	LUKE H H	386 9033
LOUE A	9891 58737		85039	LUC A	2604 102030		84244 95873	18180 68167	99412
	60433	LOWE G	1311	LUC A F DE	92319	LUDERS H	4485 91996	LUKE R H	91222
LOUGE L B	83789	LOWE G D	97631	LUC I	68908 72210		104481	LUKFFAHR M J	14124
LOUGH A K	52428	LOWE H	67566 81629		90037 91060		49406	63531 64207	73821
LOUGHEED A W	87861		91798	LUCA V DE	5098	LUDERS W	78990	LUKFENS A R	99413
LOUGHFED E C	100214	LOWE J	40006	LUCA Y DE	83865	LUDEWIG I	100255	LUKENS H C	1041
LOUGHCED R L	12381	LOWE J L	26950	LUCAS A	62848	LUDEWIG R	34908	LUKENS R J	99414
	61478	LOWE J V	104843	LUCAS E L	61341	LUDICKE M	42012	LUKER C	80701
LOUGHHEAD T C	73500	LOWE L E	90874	LUCAS F	33063	LUDLAM K W	42553	LUKER W D	107734
LOUGHHEED T C	9461	LOWE M	97590	LUCAS F R	93858	LUDLOFF K	75423	LUKES M R	35651
LOUGHMAN B C	9787	LOWE R G	50666	LUCAS G	40508	LUDTKE F	3748	LUKEZIC F L	77748
	78684	LOWE R H	11342	LUCAS G B	99411	LUQUENA P	97886	LUKHARD R	44674
LOUGHREY A G	25810	LOWE R W	4081	LUCAS H	42055	LUDVIGSEN F P	53667	LUKHT A YA	3423
LOUIE D S	19023		54578	LUCAS H L	48861	LUDVIGSEN J B	4562	LUKHTANOV D	64609
LOUIS A	29078 89154	LOWE S	14122		48862	4605 42309	52548	LUKIC R	79272
LOUIS D	88778	LOWELL F C	92909	LUCAS I A M	20031	52612 52613	52614	LUKIEWICZ S	18983
LOUIS G	44506	LOWELL S	27520	LUCAS J A W	53489	52615 52616	63290		99466
LOUIS G L	6639 15821	LOWEN W K	88678	LUCAS J J	82180	LUDEWICK T M	22188	LUKIN A M	32696
	65297	LOWENSTEIN F	25159		92281 103481	LUDEWICZAK R S	78983	LUKINA K K	31365
LOUIS J	94542 94543	LOWENSTEIN O	83738	LUCAS L M	22642	LUDEWIG F	48391	LUKINA L K	101323
LOUISEAU J E	89155	LOWENTHAL D	98032	LUCAS M T	8853	LUDEWIG A	94545	LUKINAS N V	71150
LOULOUDES S J	33205	LOWERY D P	30543	LUCAS N G	5723	LUDEWIG C H	51326	LUKINOV I	44075
LOUNAMAA K J	47659	LOWERY J C	59358	LUCAS P S	85345	LUDEWIG D	53266	LUKNITSKAYA A F	1076
LOUNAMAA P	63288 93737		60824	LUCAS R A	89871	LUDEWIG G	52727	LUKOSEVICIUS A	28864
	83322	LOWIE L B	79596	LUCAS R C	8025	LUDEWIG G D	19024	LUKOSEVICIUS A	32617
LOUNSKY J	32771	LOWIE E	19439		21414 56691	LUDEWIG H	41229	LUKOSIUS B	2532
LOUP D T	59988	LOWIG E	45293	LUCAS R E	29743	LUDEWIG H W	95642	LUKOVICH R	51565
LOURDES DE LA	57914	LOWIG E	55800 55801	LUCAS W J	61257	LUDEWIG K S	22415	LUKOVICHKOVA G A	85728
ISLA M DE			106497	LUCASSE L	52788	LUDEWIG L J	67772	LUKOW B J	100642
LOURDES-BOSCHIERO	83166	LOWNSBERY B F	37515	LUCCESI J C	14626	LUDEWIG P D	54124	LUKOWSKI F	84754
M DE			37516		81271	LUDEWIG T G	8322	LUKOWSKI R F	84753
LOURENS D C	36409	LOWRIE D C	14460	LUCE B	90677	LUDEWIG W	78034	84759 84760	84761
LOURENS M	98581	LOWRY C D	106704	LUCE E N	55001	LUECKE R W	13780	LUKS J	32697
LOURTEIG A	57287	LOWRY G H	89370	LUCE G	1774	42257 82739		LUKSO A	22093
LCURY M	55696 107715	LOWRY R J	8599	LUCE W A	1075	61718 30707		LUKTUKE S N	62298
LOURY M M	86296	LOWRY W L	42411		10607	83013 104684		LUKYANCHIKOV V P	105381
LOUSLEY J	88231	LOWRY W P	17466	LUCE W G	10607	LUEGO P M	13067	LUKYANENKO P	60435
LOUSLEY J E	17535	LOWSTUTER A B	6090	LUCENA D T DE	82937	LUEKER C	103431	LUKYANENKO P P	79162
	17734 17735	LOWY B	67960	LUCENA-CANDE F	83259	LUEKER C E	51975	LUKYANETS B	71033
LOUSSE A	72085 103820	LOWY R A	37003	LUCENA-CONDE F	70302	LUELMO J M	55721	LUKYANETS V	10943
LOUSTALOT A J	101577	LOYCEK H J	30328	LUCFY R F	17941	LUESCHEN N	25497	LUKYANITS A I	102313
LOUSTCHEVSKAIA G	38524	LOYCKE H J	30294	LUCHETTI G	48238	LUESCHEN N S	27194		
LOUTFI M	29562	30329 30391	60882		48240	47300 55794		LUKYANOV I A	55641
LOUTIT J F	54612		60942	LUCHINA N N	68943	LUERS H	93979	LUKYANOVA M V	48756
LOUVEAUX J	37727 73396	LOZANO M J	3623	LUCHKO M A	62001	LUETKEMEIER I W	38755	LUKYANOVA V	108138
	74441 94544	19534 41629	43886	LUCHSINGER W W	16125	LUFF A F	104575	LUKI M	32698
LOUVET J	37273 59835		93469		107491	LUFT G	87899	LUKLING K H	57459
	68166	LOZANOV L	52259	LUCHY R F	17941	LUGAN G	72937	LULL H W	49614 49932
LOUVIER F J	107444	LOZANOV P	29090	LUCHINI G	48239	LUGARDON R	37717	60301 61237	
	107445	LOZERON H	89557	LUCHINI N	68943	LUGAY J C	55296	LUMAG H	75902
LOW D F	75112 85643	LOZERON H A	58089	LUCHKO M A	62001		66012	LUMARET R	73400
LOWES A J	66931	LOZHNIKOV E R	64377	LUCHKO M A	13167	LUGINBUHL H	12654	LUMB W V	62515
LOWRENS J H	72053	LOZHNIKOV V N	9202	LUCHSINGER W W	16125	LUGINRUHL R E	4133	LUKBE C	81134
LOWRENS J H H	82089	LOZINA-LOZINSKII	100144		107491	22232 22254	62904	LUMBRERAS S L G	17015
LOVAS GY	13710 52611	L K	5528 95472	LUCHY R F	17941	LUGO-LOPEZ M A	2310	LUMEN B O DE	16447
	89554	LOZINSCHI A	31266	LUCHY R F	17941	LUGONES L O	32314	LUNA-DE-CARVALHO	94906
LOVATO A	70251		31947	LUCHY R F	17941		32315	LUNA-ERCILLA C A	25312
LOVCHII N F	17606	LOZINSKI A	62094	LUCHY R F	17941	LUGOSI A	71539	LUNA-ORIVE F	39609
LOVE A	659 36723 76919	LOZINSKI V A	105380	LUCHY R F	17941	LUGOSI J	54311	LUNA-SERRANO A	16950
		LOZOYA D	23219	LUCHY R F	17941	LUGOVAI A V	63712	LUNAAS T	31670
LOVE C W	61513	LOZZI C	54664 61472	LUCHY R F	17941	LUGOVSKOI K G	66932	LUNAN K D	105742
LOVE D	17736	65168 65169	102971	LUCHY R F	17941	LUGOVYKH P V	102633	LUNARDI A	36877
LOVE D V	21113		106939	LUCHY R F	17941	LUIGT G S	58516	LUNATI U	15964
LOVE G J	94146	LPSTVEDT J	6449	LUCHY R F	17941	LUH B S	61037		49454
LOVE H H	86866	LU B C	47764	LUCHY R F	17941	34178 55085	34169	LUNAU K	16813
LOVE J	7558	LU C C	104867	LUCHY R F	17941	55175 55532	55090	LUNCA N	32266
LOVE J E	89555	LU C H	40235	LUCHY R F	17941		55533	LUNCAN N	22001
LOVE J R	28440	LU C J	41334	LUCHY R F	17941	LUHAN M	27548	LUND A	92827
LOVE J W	1073	LU C L	106009 106108	LUCHY R F	17941	LUHR F	54519	LUND E E	22640
LOVE M	76691	LU C N	34773	LUCHY R F	17941	LUHR F	56596	LUND J E	3284
LOVE R M	581 10467	LU C F	15840	LUCHY R F	17941	LUHRS E	14037	LUND M	17405
	35988 89050	LU F H	70473 86541	LUCHY R F	17941	LUI A	103171	LUND O	17387
LOVE S B	72791	LU H L	56050	LUCHY R F	17941	LUI C	92121	LUND P G	4230
LOVEDAY G C	75776	LU J K	101991	LUCHY R F	17941	LUI C H	34808	LUND R	29923
LOVEDAY J	20487 102190	LU K C L	37871	LUCHY R F	17941	LUI H P	89978		56686
LOVEDAY R K	104866	LU K H	106010	LUCHY R F	17941	LUI S C	94606	LUND S	48978
LOVEGREN N V	7260	LU P F	106401	LUCHY R F	17941	LUICK J R	62296	103611	
	97199	LU P L	85471	LUCHY R F	17941	LUIG N H	9161	9631	
LOVELACE S A	13100	LU S K	48719	LUCHY R F	17941				
LOVELESS A R	99101	LU S M	2834	LUCHY R F	17941	LUIG N H			
LOVELL R T	12898	LU S W	105289	LUCHY R F	17941	LUIG N H			
LOVELY W G	2126 70161	LU W S	93647	LUCHY R F	17941	LUIG N H			
		LU Y C	27441	LUCHY R F	17941	LUIG N H			
LOVERCI L	3973 4359	LUBAN B	46169	LUCHY R F	17941	LUIG N H			
LOVERIDGE B	8168	LUBAN E	28982	LUCHY R F	17941	LUIG N H			
LOVERIDGE G B	39239	LUBATTI D F	60735	LUCHY R F	17941	LUIG N H			
LOVERIDGE J	49339	LUBAWA U	31994	LUCHY R F	17941	LUIG N H			
LOVETT J S	1374	LUBBOCK D	109219	LUCHY R F	17941	LUIG N H			
LOVETTE B R	74142	LUBERT D J	65721	LUCHY R F	17941	LUIG N H			
LOVING H J	16133	LUBERTINO J	108288	LUCHY R F	17941	LUIG N H			
LOVINGOOD P E	46015	LUBIENIECZKI-VON-	96184	LUCHY R F	17941	LUIG N H			
LOVIS J D	58291	-SCHELHOR		LUCHY R F	17941	LUIG N H			
LOVITT D F	88619	LUBINSKI A	35270	LUCHY R F	17941	LUIG N H			
LOVKVIST B	125 17607	LUBINUS H	53942	LUCHY R F	17941	LUIG N H			
LOVLIE A	78293	LUBISCHEW A	42933	LUCHY R F	17941	LUIG N H			
LOVREKOVICH L	18250	LUBITZ J A	7555	LUCHY R F	17941	LUIG N H			
	47435 58046		15360	LUCHY R F	17941	LUIG N H			
		LUBKE A	22471	LUCHY R F	17941	LUIG N H			
LOVVORN R L	2384	LUBKE H	12653	LUCHY R F	17941	LUIG N H			
LOW A J	50203 50378	LUBKES I M	87318	LUCHY R F	17941	LUIG N H			
LOW C H	58738	LUBKOVSKI Z	16388	LUCHY R F	17941	LUIG N H			
LOW D G	72404	LUBKOWSKI Z	97739	LUCHY R F	17941	LUIG N H			
LOW F W	74376	LUBNOW E	13615	LUCHY R F	17941	LUIG N H			
LOW M J D	97233			LUCHY R F	17941	LUIG N H			
LOW P F	11191 20389			LUCHY R F	17941	LUIG N H			
	39664 80007			LUCHY R F	17941	LUIG N H			
LOW R J	72463			LUCHY R F	17941	LUIG N H			
LOWDER L J	31364			LUCHY R F	17941	LUIG N H			



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
LUNDQVIST J 17737	LUTTICHAU C D 36521	LYNCH J W 4299	MAAS E F 28707	MACEK K 106402	MACEK K 89872	MACEK K 59465	MACEK K 28994
LUNDQVIST R 70438	LUTTRELL C B 46623	LYNCH M R 8107	MAAS F M 50724	MACEK K 90426	MACEK K 93862	MACEK K 56710	MACEK K 79951
LUNDSTAD A 20032	LUTTRELL D H 25976	LYNCH V H 69161	MAAS F VAN DER 100563	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNDSTAD R 69867	LUTTRELL E S 216	LYND F T 13444	MAAS S 76785	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNDSTROM H 42113	LUTWAK-MANN C 37718	LYND J Q 40005	MAAS W A 13444	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNDSTROM J 50505	LUTWICK L E 80854	LYND S C 8108	MAASLAND D E L 60500	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNDSTROM N 70942	LUTYNSKA T 32318	LYNDON R F 9462	MAASSEN W S G 100643	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNDSTROM T 108102	LUTYNSKI R 30941	LYNE A G 32267	MAASSEN W S G 53490	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNDVALL R L 24027	LUTYNSKI W 72472	LYNEN F 82233	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNEAU F 3210	LUTZ G A 22449	LYNGGAARD H T 16246	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNER P 61473	LUTZ H 44916	LYNN J E 13736	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNG A 4870	LUTZ H J 52966	LYNN R J 88156	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNG C 66309	LUTZ J 30307	LYNN W C 80167	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNG C C 105200	LUTZ J F 21671	LYNSKEY V S 7730	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNG H 41444	LUTZ J M 109134	LYON A B 53762	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNG K C 70728	LUTZ P 33636	LYON C J 9893	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNG P N 101992	LUTZ P E 43369	LYON C K 35181	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNGEAN I 1310	LUTZENBERG 17388	LYON J 72646	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNGHETTI E 49573	LUTZENBERG F 93095	LYON L 52667	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNGU I 2468	LUTZKE R 21199	LYON M F 72510	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNGU T 11656	LUX A 74500	LYON R J 14822	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNGU V 31393	LUX B 72941	LYONS J 34299	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNGULESCU G 62849	LUX B 93805	LYONS J M 28238	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNIN J 2114	LUX H 21044	LYONS T 4785	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNN J S 102191	LUXEM K P 7559	LYONS W J 8984	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNSETTER P 4696	LUXON H W B 66302	LYR H 12282	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNT O R 1077	LUYKEN R 36323	LYR H 12284	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNYAN I 11635	LUYKEN-KONING F W 36323	LYSAK J 5820	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNYAN I 89558	LUYKEN-KONING F W 36323	LYSEN N 46453	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUNZMAN K 71397	LUYKX N 22682	LYSEN N 46453	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUOTO L 72230	LUYKX N G M 36086	LYSENKO A A 86476	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUPANOV A A 6640	LUZ F 27158	LYSENKO O 23396	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUPAREVA T 96781	LUZGANOV G A 49297	LYSENKO O T 106011	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUPASCO G 73129	LUZINA Z A 89099	LYSENKO S V 28037	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUPE I Z 21291	LUZNY J 1963	LYSENKO T D 78296	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUPIEN P J 4192	LVON N P 11343	LYSENKO V S 27418	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUPKE H 13022	LVON N A 101631	LYSENKO V S 103467	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUPSHA J 21490	LVON N P 49798	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUPSHA J M 21485	LVON N P 70304	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUPSTON F G H 38745	LVON P L 37583	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUPUL M E 96830	LVON V M 71825	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUQUE-FORERO G 42013	LVON V M 71825	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LURATI DE PAOLI M 42191	LVON V M 71825	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LURE A B 60153	LVON V M 71825	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LURIA L 64346	LYABIN B YA 104238	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUSANANDANA B 64760	LYADOVA G 104936	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUSCHER M 29744	LYAKHOV S M V G 77559	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUSCOMBE J 14966	LYALL A 45064	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUSH G B 35581	LYALL L H 59838	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUSH J L 41445	LYALL N 6894	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUSHCHIKHIN M N 103472	LYALYUSHKIN V I 54312	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUSIN V 52370	LYAMIN V A 103001	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUSIS F J 27332	LYANNOI A D 102244	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUSIS O 92808	LYASHCHENKO I F 78295	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUSK J W 33464	LYASHCHENKO S 24266	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUSK R 100988	LYBERG B 102972	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUSK R 84754	LYCETTE R A 17536	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUSSIER L J 12222	LYCHALK P C 4677	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUSTIG H 1568	LYCHE J 97740	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUSTIG K 20876	LYCHKIN V V 68912	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUSTINEC J 24949	LYCKEGARD U 75113	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUSTREA V 1376	LYCKLAMA J C 28035	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUT F A 61764	LYDOLPH P E 69355	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTEN D B 28420	LYDTIN A 88021	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTEN R W 98830	LYDUCH L 70651	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTER A 307	LYE K A 26868	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTERARD W 12420	LYERLY P J 27627	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTHER A 77003	LYERLY P J 27627	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTHER A V N 87982	LYERLY P J 27627	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTHER E 96468	LYERLY P J 27627	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTHER H 98582	LYERLY P J 27627	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTHER L 66349	LYERLY P J 27627	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTHEN W 93290	LYERLY P J 27627	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTHI H 54456	LYFTINGSMO E 19641	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTHI H R 64976	LYKIARDOPULO T 67322	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTHI P 34578	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTHIN J 102224	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTHIN J N 2135	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTHY P W 79931	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTKE-ENTRUP E 104252	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTKOV A N 826	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTKOVA I N 19711	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTOMSKI K 101219	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTOWICZ J 2929	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTRICK M C 23494	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTSENKO A 16262	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTSENKO A M 16262	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTSEVICH F F 12714	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTSKANDOV D 30994	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTSKII YA Z 93861	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTTA A S 103195	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTTENBERG J 6536	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTTERMOSER G W 104093	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTTGE U 14038	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
LUTTICHAU C C D 103266	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
	LYKKEA J 51697	LYSICOROV S 40236	MAASSEN W S G 53491	MACEK K 93862	MACEK K 56710	MACEK K 79951	MACEK K 80037
	LYKKEA J 51697						

MACKAY I	1864	MACMILLAN W G	25133	MADIN S E H	83043	MAGIN R	80909	MAHOWALD A P	73650	
MACKAY J R	17537		107144	MADISON E H		MAGISTRETTI M	94910	MAHREN G L	107570	
MACKAY J W	31367	MACMILLEN E H	81074	MADISON J H		MAGLEBY R S	24959	MAHRT J L	103776	
MACKAY L J	3567	MACNAB A A	9078		60634	MAGLIANO A	51976	MAHUNKA S	14462	
MACKAY M H	56892	MACNAB J W	67043	MADLER T	3215		91862	92327	97875	
MACKAY M M	67921	MACNABB G M	20928	MADLOS MRS L	109016			103399	MAI C C	102234
MACKAY M R	64171	MACNAMARA J P	94909	MADRATMOV I	91120	MAGLIONE E	72633		MAI D D	103286
	64209	MACNAUGHTON V B	21351	MADRY A C	68918			72635	MAI W F	18112
		MACNAY C G	32885	MADSEN A	52531	MAGNAN R		78663		37506
MACKAY R M			93981			MAGNANI G	18167	18168	MAIA H DA S	46970
MACKAY R S				MADSEN F			18169	22396	46971	89500
MACKAY W B	30654	MACNEILL B H	18327	MADSEN H				22968		88502
MACKAY-SMITH A					87990		41420	92490		99058
MACKAY-SMITH M P		MACNEISH R S	28491	MADSEN H F	14195	MAGNE C		10524	MAIA M E D	30669
			38807		37100	MAGNE F C	16311	26084	MAIANU A	102194
MACKAYE B		MACNICOL P K	1378		47128			55653		102710
MACKENZIE A F		MACNISH G C	8939		63631	MAGNE M F		89158	MAIANU Z	103090
MACKENZIE A J			9079		73254	MAGNI E		83434	MAIBORODA A A	104870
	10553	MACNULTY B J	5178	MADSEN J P		MAGNI G E		105290	MAICHELE M E	60533
MACKENZIE A M		MACOVSCI M	19863	MADSEN M A		MAGNIEN B		42192	MAIDANNIK A S	99955
	107623	MACDUNAN K D S	31104	MADSEN O B		MAGNIER M	31370	31371	MAIDEN A C B	66355
MACKENZIE D E			31105	MADSEN P B	30256	MAGNITSKII K P		48252	MAIOL S	16816
MACKENZIE D J		MACPHAIL D D	49882	MADSEN O B		MAGNUSSON W G		84950	MAIER C R	27128
MACKENZIE H I		MACPHERSON A	93670	MADSEN P B	30256	MAGNUSSON A		102325	MAIER E	102955
MACKENZIE R B		MACPHERSON D D	34362	MADSEN S				105026	MAIER F H	45794
MACKENZIE S		MACPHERSON H T	13650	MADSHUS K				52618	MAIER H	64925
		MACPHERSON J F	7944	MADUEND BOX M		MAGNUSSON S		8252	MAIER I	9901
MACKENZIE W			7945	MADY F	60075	MAGNY J	11266	39727	MAIER K	94545
		MACPHERSON J W	22003	MADZHAROVA R		MAGON G		85271	MAIER L	20124
MACKERKAS I M		MACPHILLAMY C H	8043	MADZHIROVA L D		MAGDON M L	676	68506	MAIER P	40461
MACKAY A J		MACPHILLANY C H	108628	MADZILARA A		MAGOS L		31495		81438
MACKAY D R		MACQUAIRE G	18336	MAEBASHI K	86297	MAGOSHI U		87319	MAIER R	93711
MACKAY E		MACQUEEN K F	75312		86299	MAGRANE W G		52039	MAIER R A	72684
MACKAY G		MACRAE I C	29278	MAEDA C		MAGRATH M T		108290	MAIER R H	48253
MACKAY J	18740	MACRAE R	88516	MAEDA E		MAGRI M G		46714	MAIER V P	65446
		MACRAE R M	106815		28042	MAGSANOC M L		81538	MAIER-RODE H	32772
MACKIE A B	24312	MACRAE T P	107801	MAEDA K		MAGUIRE B	77194	88345		63634
	33955	MACREYNOLDS A D	61319	MAEDA M				98765	MAIER-HAARLANDER	96879
		MACRI G	67575		28835	MAGUIRE J D		1086	G	
MACKIE W		MACRI M	62708	MAEDA S		MAGUIRE J F		6200	MAIERHOFER E	77914
MACKIE W C		MACRIS B	107383	MAEDA T		MAGUIRE M F		21779	MAIGNAN G	20879
MACKIEWICZ H D		MACROBERT SIR G	8464		70807	MAGUIRE M P		9595	MAIGNIEN R	49840
MACKIEWICZ Z		MACSWAIN J W	5457	MAEDA Y	97303			27723	MAIJALA K	26728
			105884	MAEDER H		MAGUIRE T	4754	53374	MAI	
MACKINNEY G		MACSWAN I C	11064	MAEJIMA K		MAGULEDDA A		3973	MAIKO I I	101813
MACKINNON D J		MACULAN N	57013	MAEKAWA F	565			4359	MAIL G A	73070
MACKINNON J		MACURA J	11345		9466	MAGUNNA E		82389	MAILLAND M	64352
	62303	MACVICAR R M	28637		98927	MAGWOD S E		62962	MAILLARD C	72713
MACKINNON J E		MACWALTER R J	25012	MAEKELT G A		MAGYAR J		50725	MAILLE M	58986
MACKINNON J P		MACWILLIAM I C	6278	MAENO M	15628	MAGYAR MRS K		55890	MAILLOT L	42414
	23222		6292		96597	MAGYAR P	50881	91590	MAILLOUX M	94384
MACKINTOSH D L			85947	MAER C M	56143	MAGYARI A		41446	MAINARD I B	104381
	17309	MACWILLIAMS I C	43917		66459	MAGYARI J	30942	52619	MAINARDI B	31200
	82862	MACY H	17410		97645	MAGYARI-BECK V		43630	MAINES J T	2880
MACKINTOSH E G			56290	MAERGOIZ I M		MAGYARVARY L		26450	MAINGONNAT A	79515
MACKINTOSH M E		MACY R L	55443	MAES		MAHABALE T S		17738	MAINI J S	88158
MACKINTOSH N A		MACY R W	106138	MAES E	16126			27554	MAINI N S	99951
MACKLIN J M		MACYS J	29080		55314			96975	MAINI P S	78039
MACKLNEY A W		MACZAK J	84706		96974	MAHADEV P L		96976	MAINICHI S	67079
MACKO O			108526	MAES R		MAHADEVA A M		83153	SHINBUNSHA K	
MACKOVA E P		MADALUNI A L	37281	MAESENER J D		MAHADEVA B		18397		15904
MACKOWIAK C			107494	MAESTRONE G		MAHADEVAN S		88928	MAINIE M P	107282
		MADAMBA J C	3448	MAESHIRO S	66	MAHADEVAN V		2836	MAINIE P	34739
MACKROTT H			13001	MAESTRONE G		MAHADIC C N		42014		3494
MACKU J		MADAMBA L A	48616	MAEVSKAYA A N		MAHAFFEY L W	72515	92328	54951	65495
MACLACHLAN J B		MADAN R N	7566	MAEVSKII A G				28735	MAINIERI C	78191
MACLACHLAN K D			81493	MAEVSKII P F				3974	MAINSTONE B J	2387
MACLAREN J A		MADAR J	102964	MAEYAKRT G				22432		2388
			83867	MAEZAWA T		MAHAJAN D D		107924	MAINWARING U	3939
MACLAREN R B		MADARIAGA J G DE	67323	MAEZAWA T		MAHAJAN M R		35048	MAINZ K	36490
		MADDAIAH V T	13531	MAFFERT J C		MAHAJAN S C		22004	MAIOROV S N	57141
	68915	MADDALONI J	109882		16815	MAHAL G S		32308	MAIOROV V M	15877
MCLAY W D		MADDEN D L	93291	MAFFINI P		MAHAL W A	30545	39544	MAIOROV V S	96301
MACLEAN A A		MADDEN F M	29182	MAGAGNIN R		MAHALANOBIS P C	109118	109118	MAIOROVA Z P	27194
		MADDEN J P	53339	MAGAKYAN A		MAHAN J N	21031	50430	MAIR N	11992
MACLEAN A J		MADDEN J P	31500	MAGAKYAN YU A				109043	MAIR R B	11565
		MADDEN P A	103774	MAGALDI C		MAHAPATRA I C		20693	MAIR-WALDBURG H	24950
MACLEAN D C		MADDEVER K	106875	MAGALHAES A			28044	39789	50081	85223
	38243	MADDEVER K D	44371	MAGALHAES A C					100821	85310
		MADDEX R L	15058		9900	MAHAPATRA L N		18022	MAIRE R	98831
MACLEAN D W			87035	MAGALHAES L M			26085	60038	MAIRS R E	41851
MACLEAN T N			72409		72408	MAHARAJ S	105291	105292	MAISEL W D	46268
	51665	MADDISON A E	4039	MAGALHAES M T		MAHAR G L		98351	MAISENBACHER H	30735
MACLELLAN C R		MADDUCKS I G	13675		3007	MAHDALIK M		81513	MAISTRACH K V	67162
		MADDOX C L	35802	MAGANA-PLAZA I		MAHDAVI H		76492	MAISTRE J	90768
MACLENNAN D H		MADDOX L A	56485	MAGANO O B		MAHDHASSAN S		26870	MAISURYAN N A	8466
	18165	MADDOX L A	56485	MAGAR N G	8359		95224	95225	105843	19535
MACLENNAN J A		MADDOX T C	3798	MAGAS L	15785	MAHENDAR M	30979	103836	MAITI R K	79785
MACLENNAN K J R		MADDOX W S	9342	MAGASSY L		MAHER J N		80702	MAITLAND C C	6671
		MADDOY J K	2615	MAGAT A	23165	MAHER L		36090	MAITLAND H B	93206
MACLEOD A J		MADDOY K H	52549		63481	MAHER L J	26774	67723	MAITLAND S T	8059
MACLEOD A M		MADE A	8097			MAHESHWARI J K		77416	MAITLEN E G	14207
			8516	MAGAZIN P				716		105054
MACLEOD D G		MADEC P	68917	MAGDA I I		MAHESHWARI K		89159	MAITLEN J C	4840
MACLEOD D M		MADEIKYTE E	38635	MAGDACHENKO F A		MAHESHWARI N		89159		55000
	33282	MADEIRA A C	83042	MAGDEFRAU K		MAHESHWARI P		27555	MAITREYA P	106735
MACLEOD E G		MADEIRA A E R	56940	MAGDON E			27556	68483	MAITWALD W	25
MACLEOD G		MADEJ T	90911	MAGEE A C	44999			9467	MAITZEL J V	48584
MACLEOD J		MADDEJSKI E	8251	MAGEE K R				70053	MAJCHROWICZ H	28673
MACLEOD J C		MADDEL G	95332	MAGEE R J				109055	MAJCHROWICZ I	105652
MACLEOD L B		MADDELIN M F	33016	MAGEE W T	82891			86170	MAJDAK J	56458
	49980	MADDELMONT C	54613	MAGELLI E				94213	MAJERNIK O	47304
MACLEOD N A			86231	MAGENNIS N J				34574	MAJERUS A	67163
	22116	MADDELUNG P	31369	MAGERRAMOV D A				83635	MAJESKA H	32021
MACLEOD N J		MADER D L	21200	MAGES L				507	MAJESKI F	21036
MACLEOD N S M		MADER E L	1644	MAGGENTIO A R				31328	MAJESKI J	47339
MACLEOU P		MADER L	109120	MAGGIO V				79999	MAJESKI T	92654
MACLEOD R		MADERIOS W E	52126	MAGGIONI A				89557	MAJID A	19480
MACLEOD R A		MADERO B A	90178	MAGGIORA A				39929	MAJID C M A	100182
MACLEOD R T		MADEROVA V	13073	MAGGIORE T				82264	MAJID R	68635
			31729	MAGHAMI G	32279			1776	MAJIMA Y	104539
MACMASTERS M M		MADSCCLAIRE R	33903	MAGHERESCU S				59359	MAJUKUTH J	64435
	64767	MADDEYSKI S	3580	MAGID EL R A				55613		95874
MACMILLAN F A		MADGE D S	94756	MAGIDMAN P				68252	MAJLERT W	96782
MACMILLAN J		MADGWICK H A I	2797	MAGIE R O	9185			57955	MAJMODAR V F	58741
	48544		50782		47303			90475	MAJO F DE	72636
MACMILLAN K L		MADHAV R	93983	MAGILL A W	81272			81273		
		MADHOSINGH C	8860							



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
MAJOEWSKI W 76307	MAKOVCOVA D 48254	MALHERBE W D 22406	MALTSEV S V 92376	MANESCU B 1964 2224	
MAJOEWSKY W H F C 3628	48255	MALHOTRA C P 13952	MALTSEV T S 29858	17999 20124	
MAJOR B 25674 44924	MAKOVSKII M V 40237	32619 105027	MALTSEV V M 97414	28911	
MAJOR D C 85979	MAKOWIECKI J 28129	61367	MALTSEVA G A 81958	MANESS C 7379	
MAJOR J 1087 37584	MAKOWSKA H 57943	13503	MALTSEVA G I 2063	MANETTI C 76309	
MAJOR L 66579 89055	MAKOWSKI S 26913	21843 93226	MALTSEVA V N 58247	MANFRINI C 57957 80363	
MAJOR P 60635	MAKRIS S A 88849	21874	MALUSHA K V 100983	MANG J 56692	
MAJOROS J 33802 74157	MAKSADOV V A 71663	62666 104185	MALUSHKO V V 82463	MANGABAT G 70614	
MAJOROS L 79516	MAKSADOV W YA 92354	19537 55315	MALUSKY B J 45502	MANGABEIRA O 14644	
MAJORS E 76718	MAKSADOV W YA 55492	65727	MALVASI E 52517	MANGALANGI N K 14924	
MAJORS K R 97006	MAKSAY F 10352	50082	MALVEN P V 31372	MANGAY ANGARA A 67471	
MAJSTOROVIC B 8467	MAKSHANOV S YA 22760	56842	MALVICINI A 65119	MANGE M 47767 48256	
MAJUMDAR N 42407 94024	MAKSIC D 3854 72410	682	MALY F 32380 72939	MANGEART 98232	
MAJUMDAR S K 15824	MAKSIMCHUK L P 89982	74708	MALYA M M 97898 108065	MANGEL M 55540 65840	
MAJUMDER P K 47766	MAKSIMENKO I K 79246	28047 66015	MALYARENKO S G 29412	76856	
MAJUMDER S K 99985	MAKSIMOV S A 88071	18581 20343	MALYAVIN A G 13320	MANGELSDORF E F 26230	
MAKADE K 73096	MAKSIMOV V A 102817	28048 58294	MALYAVIN I S 53445	MANGELSDORF P C 28491	
MAKAL M 8325	MAKSIMOVA A D 20148	78300	MALYAVKINA V S 67724	100804	
MAKAR S 105449	MAKSIMOVA I V 69044	10803	MALYGIN V I 92607	20488	
MAKARA GY 89873	MAKSIMOVA M S 27997	60167	103778	MANGENOT F 9081 69226	
MAKARA J 86774	MAKSIMOVA T S 8847	19911	MALYGINA G P 80289	MANGENOT G 18583	
MAKARENKO E N 97229	MAKSIMOVIC R 32905	101220	MALYKH P V 1556 80289	MANGENOT S 18583	
MAKARENKO G A 35652	MAKSIMOVIC M 101912	13523	MALYGINA G P 1556 80289	MANGES H L 29850	
MAKARENKO V A 49724	MAKSIMOW A 49725	37461	MALYNOVSKYI K A 46887	MANGHISI T 35182	
MAKAREVICH V M 13951	MAKSIMOV P S 26286	388	MALYSHEV YU 5875	MANGIERI H R 61144	
MAKAREVICH V N 68387	MAKSUDOV I N 92491	40009	MALYSHEVA M N 32666	MANGLITZ G R 14125	
68385 68386	MAKSUDOV N KH 90769	30692	MALYSHEVA M S 53039	14126 23204 23223	
MAKAREVSKII A N 36520	MAKSUTOV R N 73979	102449	MALYSOWA E 49726	MANGOLD P 67096	
MAKARIN A 25014	MAKSYMUK B 42415 42420	28488	MALYUTINA R 389	MANGOLD T E 82949	
MAKAROV B N 90875	MAKSYMOW J K 73313	100822	MAMADA S 40944	MANGUM C L 14243	
MAKAROV I S 11556	MAKSYMOWYCH R 9468	16127	MAMAEV V A 92329	MANGUM M 81414	
MAKAROV N I 51550	MAKSYUTINA N P 34000	104382	MAMAEVA KH P 105382	MANHEIM F 72982	
MAKAROV N P 76369	MAKU T 51212 51213	3216	MAMARIL F P 107495	MANI E 42720 52951	
MAKAROV P M 34609	51216 51217	53943	MAMCHENKOV I 50084	MANI M S 14379 23515	
MAKAROV P V 13525	81468	84680	MAMEDOV A G 9904	73488	
MAKAROV V A 96681	MAKUCH M 79685	2181	MAMEDOV M A 20344	MANIECKI F 35554 86744	
MAKAROV V T 20364	MAKUEV A M 96252	49713	MAMEDOV R G 60080	95915	
MAKAROVA E N 28046	MAL TSEVA V N 58244	11557	MAMEDOV R S 50085	MANIELLINI C 20696	
MAKAROVA G A 49340	MALAGUTI G 27187 27188	54522	MAMEDOV T A 13727	MANIER J F 33327 77477	
MAKAROVA I V 27523	27189 27190 32773	33549	63128	77478 105574	
MAKAROVA L A 37101	79832 108291	65082	MAMEDOV T G 27911	71132 78040	
42587	MALAHAR W G 96977	90533	52646	80179	
MAKAROVA L P 35178	MALAIN R J 50726	53537	MAMELI M 105735	90902	
MAKAROVA M M 51418	MALAKAR M C 51551	9080	MAMEVA KH P 83968	MANIL P 11346 90902	
MAKAROVA T I 79874	MALAKHINOV P I 76493	73678	MAMIKONYAN M M 94153	MANINA J 26287	
MAKARYCHEVA V V 100207	MALAKHOV A G 92567	94152 95139	MAMIN N D 52102	MANIOTIS J 78159	
MAKASHEVA R KH 49341	MALAKHOVA P F 59583	1280	MAMIYA T 90534	MANISOR G 95734	
49342 78624	MALAKSHINOV M 97335	57808	MAMLOK L 19380	MANITOBA-AGRONOM-38669	
MAKEHAM J 26810	MALAMEN P 50469	59964 69620	MAMMERICKX M 103271		
MAKEHAM J P 45816	MALAN A A 22468	89564	MAMMOLA A 62643	MANIWA M 96382	
MAKELA R 69991	MALAN A H 19042	75079	MAMONOV N I 40653	MANJREKAR S L 65846	
MAKER H J 20510	MALAN V D 87608	16633	MAMONOV N N 100743	MANJUNATH T M 94945	
MAKEYEV G 53683	MALANCU P 1788	62853	MAMONTOVA A N 18171	MANKA K 27191 67961	
MAKHACHEV R S 93782	MALANEY G W 54062	104383	MAMONTOVA V N 100823	MANKAU R 508	
93916	MALANICZ Z 8110	19029	28836	MANKAU S K 508	
MAKHAMADAMINOV M D 26089	MALANOWSKA T 3934	19032	79460	MANKEL G 66306	
MAKHATADZE E M 35183	MALASHEVICH V 45583	19031 19379	102753	MANKIN C J 47307 58008	
MAKHINYA E M 88620	MALASSIS L 64859	79253	29622	MANKOV D F 94327	
MAKHKAMOV KH 62577	MALATESTA P 38091	49572 49583	49884	MANKOWSKA S 35976	
MAKHKAMOV KH 80611	MALATHI M A 34184	7204	81140	MANKTELOW B W 3855	
MAKHLONOVA A M 22759	MALAVIYA M 677 37721	75644	95709	32268	
MAKHMET B M 69751	78187	98584	MANABE I 81808	MANLEY D 80228	
MAKHMUOKHODZHAEV T 90093	MALAVOLTA E 9903	96866	MANAFOV I I 13326	MANLEY W T 34740 34741	
MAKHMUODOV A 78625	61079	41336	101837	44656	
MAKHMUODOV D 23307	52323	52950	75847	MANN 11933 21100	
MAKHMUODOV N 63128	37722	44765	75848	21156	
MAKHMUODOV R 1113	89161	12235	63635	MANN C 26086	
78656	MALAYER J C 37722	81310	44325	MANN C V 16989	
MAKHNOVSKII I K 32336	MALAYER J N C 89161	12433	2124	MANN D E 29933 56843	
MAKHOLIA B D 3203	MALCA I 77752	21592	80362	MANN E J 15746 15747	
22969	MALCOLM C V 69563	79167	52400	24757 25016 44338	
MAKHONINA G I 9902	MALCOLM D C 67817	79400	64342	54665 65170 65171	
80081	MALCOLM H A 52814	99416	28881	74709 74968	
MAKHOTIN A A 87984	MALCOLM J L 90971	102866	65496	MANN F K 43862 64583	
MAKHOV G 11849 25675	541	60908	45056	MANN F L 56459	
MAKHOV G I 16441	90682	30943	95227	MANN H B 64595	
MAKHROVSKAYA A V 87315	30943	72456	46651	MANN H D 6427 23127	
MAKHSIMOV A 80361	2222	566	49885	MANN H J 2698 21337	
MAKI A 108160	49803	12248	67416	50618	
MAKI W R 24424 65869	89019	103715	85796	MANN H O 48715 59329	
75951	MALDONADO E 1088	93783	22220	69412	
MAKINEN A 2906	MALDONADO G 6906	77004	59840	MANN H S 79168 80364	
MAKINEN V 6270	MALDONADO J L 39014	71035	91121	101828	
MAKINEN V U 50657	55745	47306	39733	MANN I 25017 25018	
MAKINEN Y 58293 89160	95226	52451	11591	55408 108960	
MAKINO M 37586	MALDONADO-CAPRI-ES J 41633	59639	38584	MANN J D 19357 101478	
MAKINO S 13281	MALDONADO-MENDEZ G 84728	60144	70888	MANN L K 18783 46921	
MAKINU T 15636	MALDONADO-SIERRA C 88779	58123	13965	54992 100569	
62963 92202 93474	MALEC K 37282	8509	83206	MANN M G 97219	
97333	MALECKA J 37723	43088	72158	MANN M K 8111	
MAKINSON P E 85337	MALECKI J J 15390	61944	41136	MANN P J G 69220	
MAKISHIMA N 84966	89857	41337	97091	MANN Q V 49886	
MAKITA T 31759 32075	12343	35049	84194	MANN R A 90683	
33861 35803 97876	2223	97118	25676	MANN R K 35879	
MAKITIE O 60143	2677	42154	86577	MANN W 11893	
MAKKONEN O 2907 71398	57715	43791	34143	MANN W S 43966	
MAKLAKOVA E M 83435	78158	47584	35082	MANNA G B 39789 100821	
MAKLEIT S 28351 59035	43602	25892	26374	MANNA G K 92958	
MAKNEV K 41929	80612	50083	94911	MANNAN A 35396 45389	
MAKODZEBA I A 20280	MALETIC J T 80612	101738 102326	105653	MANNAN M A 11146	
49458	MALETTI G 82563	67578	26802	MANNANOV N M 28422	
MAKOEK K 35772	MALETTI S 30784	91063	95645	90101	
MAKOGON A M 27740	70744 71642 71867	23514	37587	MANNANOVA R A 11857	
MAKOSZ E 29281 39100	72610 72611 75025	94301	11674	MANNEBECK H 71670	
66508 66933 66934	93415	87911 94378	28472	7296	
	96683	8322	90535	MANNER R 68920 69564	
	76024	54083	8682	89162 100824	
	24284	5990	64719	1246	
	19644	20281	60785	70826	
	29748	40582	95855	91347 91353	
			90782	55225	
			25015	74341 89874	
			55722	103251	



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
MANNERS J G 38043	MANTOVANI A--CONT 40399	MARCH B E --CONT 93062	MARGAILIK H I 89163	MARK H 27525	MARKETAN 75206
MANNERS M J 13781	MANTOVANI G 26285	MARCH R B 23137	MARGALIT H 102384	MARK H F 45268	MARKETZICH A R 25122
42310 42311	26285	42395 57233	MARGALITADZE N A 46742	MARK K R 30736	MARKGRAF F 36725
MANNETJE L T 19645	MANTOVI F 15416	MARCH R P 57233	MARGAN R F 94653	MARKKAKIS P 19015	MARKGRAF G 90986
79316 90936	MANTRAMURTHY I D 82688	MARCHAL J G 109136	MARGARD W L 104186	MARKKAW M 3389	MARKHAM F S 82631
MANNEY T R 27724	MANTROVA E Z 100332	MARCHAND 65215	MARGARET M 27524	MARKAU M 34109	MARKHAM K R 59036
MANNHEIM H C 96991	MANTSEVICH E D 9929	MARCHAND L S 58351	MARGARIO M F 54856	MARKELOVA E M 43286	MARKHAM R 18325
MANNHEIMS B 14645	MANTZOURANIS L P 46394	MARCHAND M 16184	107145	MARKERT C L 43089	18328 47517
95054 109135	MANU I 91868	24238 25907	MARGELIN R 71265	MARKERT S 20461	
45690 86100	MANUCA L 97455	MARCHANT C J 9469	MARGESON J H 54846	MARKESON C B 6795	
MANNIKAR N D 100467	MANUCA O 101739	MARCHANT R H 1129	MARGGETTS S W 23225	21508 64797	75247
MANNING A 33151	MANUCHARDV A 16817	MARCHANT W H 41525	MARGGRAF M 49223	MARKETAN 75206	
MANNING F 42352	MANUCHIAN M 58248	60441	MARGHERITA S S 51893	MARKETZICH A R 25122	
MANNING H L 27725	68459	MARCHAT Y 52452	MARGINEANU T 1458	MARKGRAF F 36725	57609
	28595	MARCHELLO J A 51836	MARGITAY T 84417	MARKGRAF G 90986	
MANNING J P 22450	MANUEL E A 26420	51977 52372	MARGITAI MRS L 7946	MARKHAM F S 82631	
MANNING L 79598	MANUEL E E 52732	MARCHENKO A Z 1965	MARGNA U 30673	MARKHAM K R 59036	
MANNING L C 4299	MANUEL F C 2044	MARCHENKO G M 103780	MARGOLENA L A 13711	MARKHAM R 18325	
MANNING P B 34480	MANUEL M F 62854	MARCHESI G 47837	MARGOLIN A F 58295	18328 47517	
34702 80768	MANUEL M L 7146	MARCHESIAULT R H 21683	MARGOLIS S 48526	MARKHAM T W 87162	
MANNING S L 97591	67250 85980	47130	MARGOT A 94035	MARKI A 9589	
MANNINGER E 70412		83561	MARGULIS H H 50727	MARKIEWICZ K 3975	
MANNINGER G A 14127	MANUELYAN KH 38593	26289	MARIA A 97234	MARKIEWICZ L 47601	
14128 37141	MANUGHEVICI E 1718	MARCHETTI O 1320	MARIAN A 2771 62152	MARKIJANDOWICZ M 71869	
52868 83323	1727 28787	MARCHETTI R 104192	MARIAN J E 21705 102941	MARKIN B I 68925	
94304 94305	MANUILOVA A S 73039	MARCHEV N 5971	MARIAN P 59426	MARKIN G P 19772	
MANNINGER I 100825	MANUKOV N P 64353	MARCHI G DE 678	MARIAN T 15542	MARKKULA M 33267	
MANNINGER M 37283	MANUS S 46740	MARCHI R 94547	MARIANELLI U 15905	64158 77588	
57958	MANUS L J 24920	MARCHIDAN A 20039	679 37626	MARKL H 14381	
MANNINGER R 17390	21875 21876	MARCHIEVICI F 101745	37725 96215	MARKLEY K S 26088	
	82827	MARCHINI A 71868	104118 104545	MARKLEY M L 91022	
MANNIS J G 32381	MANZ D 13282	MARCHIONI A 38266	MARIANI A P 103273	MARKLEY Q L 49853	
MANNY E S 36091	MANZANILLA E B 69256	MARCHIODI G 99480	104118 104545	MARKLUND G 17739	
MANOCCHIO I 81809	MANZANO A 26344	101541	MARIANI D 50882	18445	
MANUCHA M S 47015	MANZER A 41611	MARCHISIO M 107603	MARIANI G 22243 58744	MARKMAN A K 66016	
MANOHAK M S 58742	MANZER F E 68278	MARCHOK A 13512	MARITAX A 3010	MARKMAN A L 26089	
MANOHASA M 32291	MANZHELII I I 38905	MARCHOU G 24672	MARIC A 27192	26090 35183	
MANOILENKO K V 77005	MANZHURNET V V 64401	MARCHUK L I 6885	MARICA D 62865 103274	55567	
MANOLACHE E 20147	MANZIANO C F 72411	MARCHUKAITIS A S 1421	MARICHAL J 89090 89091	86300	
MANOLACHE F 4812	MANZO P 28049	MARCILESE N A 104117	MARICONI F A M 63562	MARKMANN H 46395	
MANOLEV L 73080	MANZO P M 21540	MARCILONEK S 29452	64157 93984 93985	MARKO A 66509	
MANOLI M 89565	MANZOOD-I-KHUDA M 21649	48257 79097	95228	MARKO B 60680	
MANOLOV A 69653	MANZYUK V 1527	MARCINKOWSKI K 52012	92280	MARKO P 63768	
MANOLOV I 58743	MAD C H 46585	82390	92280	MARKO V 29094	
MANOLOVA N 71729	MAD S F 91366	MARCK P 67164	92910	MARKOI B 31573	
MANORIK A V 78626	MADIEJEWSKA K 55409	MARCKWORDT U 48231	74803	MARKOS GY 16546	
MANOS E T 28985	MADRAIMOV I I 80394	MARCKWORTH G D 60868	MARIET F 41658	MARKOSYAN L S 9909	
MANOTO E C 105688	MAOS Y 98117	MARCO G J 4376 105028	MARIJNEN V G M 57014	MARKOSYAN L V 49727	
MANOUKAS A G 93293	MAPELLI E 45043	MARCO L 80703	MARIKOVSKII P I 105383	MARKOV A 97670	
MANRIKYAN G E 24627	MAPES M O 28387	MARCO M N DE 99875	MARIKOVSKY P I 33328	MARKOV A A 91998	
MARRY E C 84293	MAPLES R 9908	MARCO V 7368	MARIMUTHU N 76161	92493 93860	
MANS P H 15326	29681 60413	MARCO-BARD L 2390	MARIN A 18199 57608	MARKOV F I 4814	
MANS R J 38586		MARCOU G 88781	MARIN M 31360 62292	MARKOV G 69565	
MANSRIDGE B E 69349	MAPLETHORP S C 101976	MARCOUT P 49121	MARIN P 16185 22920	MARKOV G P 93294	
MANSER P D 77753	MAPP H P 55047	MARCU G 40583 89020	24239 25087 26924	88878	
MANSFIELD M E 104649	MAPSON L W 38597	MARCU I 91060 91072	65810	MARKOV V 50292	
MANSFIELD T A 9906	55086 69168	MARCU-LEPADAT T 62304	102196	MARKOV YU A 20880	
9907 38247	6032	MARCUS A 7297 79009	9273	MARKOVA K V 62452	
MANSFORD K R L 6033	24354	100647	MARINARI A 14233	MARKOVA M 8718	
MANSHOLT S L 16710	MAQUET E 84539	MARCUS C B 34874	28752	MARKOVETS A F 47131	
36248 36249	MAQUINAY A 89539	MARCUS G 70745	86219	MARKOVIC O 14314	
13838 72457	MAQUIRE M P 27726	MARCUS H 50291	104960	56298	
MANSI W 26871	MARAI P 50365	MARCUS I H 34255	MARINELLI W 48258	103545	
MANSON D C M 5100	MARAI S C L 52324	MARCUS M 78627	MARINERO R 96216	87773	
14463 94759	MARAI S P G 6201	MARCUS P I 104441	MARINESCU I 31408	MARKOVICH N YA 14646	
MANSON G F 23224	MARAKHOVSKII I P 89566	MARCUS S 63010	31470 32006 63160	MARKOVITS P 62920	
MANSON J 15594	MARAMOROSCH K 4813	MARCUS W 106013	1964	MARKOVITZ A 42508	
MANSON P W 20815	14214 23076 23077	MARCUSE K 17391	103627	MARKS A H 43816	
	80644 33470 64195 73710	MARCUSIU E C 20449	103627	MARKS E N 43141	
MANSOUR M M 34783	105032 105854	90877	MARIN-VELLEGAS J 102196	64759 84019	
MANSOUR N S 99554	MARAN B 68899	MARCUSSEN E 93859	MARINARI A 9273	MARKS G C 43324	
MANSSEN B 2389 101996	MARANGON A 31106	MARCUSSEN K H 49233	14233	MARKS G P 9082	
MANSSEN E 38888	MARANI A 1457 9598	69872	MARINCHIK A F 28752	MARKS H 44696	
	19586 68922 69657	MARCUSSEN N R 70576	86219	MARKS H C 16115	
MANSO G 84328	MARANI C 1503 26553	108292	MARINELLI L J 86219	MARKS H L 22642	
MANSO I 30945	26660 75995	MARCUSSEN E 30947	MARINELLI W 104960	45232	
32483 72982	MARAR M M K 10630	MARCUZZI G 14380 53267	MARINERO R 48258	64391	
MANSSON J T 30159	11196 16909 39006	105526	MARINOS N G 18584	53751	
MANSSON N 55855	68923 78195	MARCZY T 76310	MARINOV M 18585	84449	
MANSSON N C 87037		MARCZYNSKI J 55964	59427	MARKS R 58532	
92124	MARASSI A 107158	MARDER M W 31588	44726	MARKS R T 98929	
MANSTON R 72237	MARAUJA M D 55087	MARDIAK J 22500	82234	MARKUS J 103276	
MANSUROV G 96783	65447 65541	MARDON J 30658	MARINUS J 74615	21201	
MANSVELT P R 61822	MARAVALHAS N 75692	MARDYKINA L M 100275	MARION B W 84878	98165	
	104871 104872	MARE C J 104903	MARION G B 103790	38223	
MANTA D 103468	MARAZANOFF F 33017	MARECA I 106816	MARION H 14879	26811	
MANTA I 2770	MARAZZA V 7126	MARECA-CORTES I 54427	13449	15159	
MANTAUT U 99309 101473	MARBACH W 13380	74615	13461 22547 31831	84496	
101474 101475	MARBER P 67005	MARECHAL L R 38588	100648	58910	
MANTE W 65566	MARBLE V L 4810	78161	84638	249	
MANTEL K 2699 12313		MAREE W S 60655	42090	55136	
17305 40734			45584	38736	
MANTEL W 30108	MARBIT M J 25642	MAREK A 62855	45692 45693 45818	14968	
	MARCANO C L 57782	MAREK K 5459	45898 45963 45973	1748	
MANTEL W P 95622	MARCATO P S 31373	MAREK O 63952	46016 46059 46060	101155	
MANTELLINI C 40010	32269 32484 62223	MAREKOVA B 90283	71972	31645	
49459 50086	103779 104012 104873	MAREL H W VAN DER 2258	30352	49461	
	MARCEA E 103307	MARELL G 3750	61145	79834	
MANTEN A 21877 103272	MARCELLE R 28185	MARENAUD C 1771 27029	91591	90536	
MANTEUFFEL R 35804	MARCELLIN P 6838	27328	101997	81984	
45430 56460	55111 65560 65605	MARENCO E 36361	68388	5292	
MANTHEI C A 12813	65606 65848 107318	MARENCO E E K 56738	106352	99417	
21878 83044	107319 107370	MARENKO V G 29557	85981	40011	
MANTELLA F 108855	MARCELLO A 38249 38250	49804 68924	11993	22433	
MANTE P G 68111	MARCENAC 8468	32154	90429	62305	
MANTON I 37724	MARCEI E 67849	MARENZI C 32155			
	68507	MARES T 44441			
MANTON S M 105525	MARCET J 6643	MAREZ D DE 62804			
MANTON V J A 31494	MARCH B E 4255 13445	MARGADANT A 3566			
MANTOVANI A 31587	22546 30803 41909	MARGADANT W D 8610			
	62749 72637 72638				



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
MAROLT J 31664 62029	MARSHALL R M 80180	MARTIN H F 100590 108961	MARTINEZ DE HOZ J 66813	MARTYNOVA O M 42353		
62513 71841	MARSHALL R S 36434	MARTIN I 1350 10207	A	MARTYNOVA R 90556		
MARON S H 26210 66124	MARSHALL R T 24870	92125 97626	MARTINEZ E 5682	MARTYNOVICH N N 79401		
MARONDE E 15338 51776	3528 2547	3390 81985	MARTINEZ E S 62486	MARTYNOWICZ T 82397		
MARTI M 89567	MARSHALL S P 92330	MARTIN J 3185 23681	63076	MARTYNYUK D 44557		
MAROUSEK G 25909 72350	MARSHALL V 103749	27538 41668 59841	MARTINEZ G A 70125	MARTZ F A 62080 62122		
MARDUSKY F J 64647	MARSHALL W A 46304	91963 92496 103557	MARTINEZ M 78121	MARUCCI P E 80287		
MARPLES H J S 51894	MARSILI S 51625	62306 66354	MARTINEZ NADAL N 66018	105427 107303		
MARQUARDI R R 81810	MARSOMBOON U 49560	91738	G	MARUKAWA S 29085 79687		
81811	MARSTON B 7711	MARTIN J E 13074 21780	MARTINEZ R 79372	MARUKAWA Y 90537		
MARQUARDT A 12770	MARSTON H W 109259	71492 72057	MARTINEZ S E 55893	MARUKYAN S M 40584		
34321	MARSTON J G 26554	75569 83045 97336	MARTINEZ S R 18446	MARULL J 56357		
MARQUARDT H 18586	MARSTON J H 82708	104385	44195	MARUMINE S 1985		
27727	MARSTON M E 90430	97337	MARTINEZ-ALTIMIR C	MARUO B 5023		
MARQUARDT H G 96470	101325	100752	MARTINEZ-BERMELL F	MARUOKA S 90163		
MARQUARDT R A 7135	83969	70321	101221	MARUSHEVA A I 83325		
MARQUARDT R P 55001	90816	4066	2392	MARUSHIGE Y 9910		
94035	MARSTON R B 35050	1091 1749	MARTINEZ-CONDE E	9910		
MARQUARDT W 58174	MARSZALEK C 50619	2225 11577 47597	N-BEYRET	9911		
98832	MARSZALEK T 56461	49805	MARTINEZ-CROVETTO R	4197		
MARQUES B 64978	MARSZALKOWICZ J 7602	87039	MARTINEZ-CROVETTO R	MARUSICH W 105273		
MARQUES M A P M 60442	48661 56460	34764	MARTINEZ-GAMARRA A	MARUSKA F 50883		
MARQUES P 82829	62433	48549 49745	17742	MARUSOV A A 102689		
MARQUESS C G 26180	MARTA N 34256	104188	MARTINEZ-GROVETTO R	MARUSUGI K 87458 87459		
MARQUEZ S F 79187	MARTAKOV A A 74616	34742	R 17742 18447	MARUSZCZAK H 91348		
MARQUEZ-MUNIZ Y 88782	MARTEAU G 34814	55892	MARTINEZ-MORENO J 35184	91349		
MARR J C 64491	MARTEAU V G 35357	45751	M 55642 55643	MARUTIRAM B 96521		
MARR R S 49462 49559	1865	46173 46174 76071	75712	MARUTYAN E M 12817		
70206 90770 101618	MARTEL D J 1865	15059 38252	107743	94760		
MARRA G 64798	MARTELL J 7270	20040 36871	109165	MARUTYAN S N 94396		
MARRAGHINI M 104624	MARTELLI G 73098 105205	58297	MARTINEZ-OSORIO C 58124	MARUYAMA G 28908		
104874	MARTELLI G M 27030	36872	MARTINEZ-PALACIOS A	MARUYAMA J 38491		
MARRAS F 37284 37285	52953 83436 83437	77916	MARTINEZ-RUEDA R 72639	MARUYAMA K 28865 37463		
37286 61824 99418	MARTELLI G O 94439	19033	MARTINEZ-SILVA E 54029	41094 68516		
MARRE E 38510 38589	MARTELLI G P 47308	76431	MARTINEZ-SUAREZ J 16312	29249		
MARRE R A 6445	47308	80271	M 55648	7264		
MARRERO J F 2605	77915	45044	MARTINEZ-VALDES G 46175	MARUYAMA T 14634 44561		
MARRETT P L 5958	MARTELLI L 84578 106375	58144	MARTINEZ-VAZQUEZ 68509	79169 84519		
MARRIOTT R A 11855	MARTELLI M 42934 94440	26 46743	M	MARUZZELLA J C 67725		
MARRITZ T O 86649	MARTELLI P 15965 15966	67750	MARTINI A 64939 100681	MARUZZELLA J C 27272		
MARRO M 18587 19764	MARTELLI R 18080	60247	MARTINI E 14608	55644		
MARROQUIN J S 17741	MARTEN F 64443	24674 24675 74343	MARTINI F 14801	MARVAN P 88536		
MARSALA P 62644	MARTEN G C 48723 103572	487 504	MARTINI I 12570	MARVANOVA L 88536		
MARSBERGEN W V 39243	MARTENET J 31374	52748 94339	MARTINI J DE 24778	MARVEL M E 269 88565		
MARSBERGEN W VAN 28986	MARTENS B 90938	86868	MARTINI R DE 72940	MARVELL E N 30655		
28997	MARTENS B K 37039	12450	91865	MARVIN J W 19709 48980		
MARSCHALL F 10353	53463 77489 84115	50800	MARTINI R DI 82564	MARX D 31107		
28674 80365 100985	105150	40694	MARTINI S 64598	86745		
MARSCHALL K J 105654	MARTENS D C 68926	53944	MARTINI Z 33652 33653	MARX F E 6444 54847		
MARSDEN J A 16258	MARTENS E 31643	64860 74513 85809	MARTINKEVICH F 108429	MARX G A 90538		
MARSDEN S J 45204	MARTENS J 25731 25733	15466	MARTINO E DI 52953	MARX H 67725		
62964	65683	38590	MARTINO G DE 5971	MARX R B 1907		
MARSDEN SIR E 6446	MARTENS K 45555 45556	46595	MARTINO J D 106869	MARX-FIGINI M 69260		
MARSELE P 56137	84279 106300	2391	MARTINO V DI 54531	MARY A 41635		
MARSELLI G A 67080	MARTENS M 24028 38916	13075	56462	MARYAKHINA I YA 18588		
108031	59428 59932 74027	77755	67311	MARYANOVA O A 10673		
MARSELLI-SANTOIA-NNI E 96682	2079	24325	8557	MARYNEN T 27446 68389		
MARSH A C 7016	MARTENS N 20636	31837	36651	MARYON M E 42543		
MARSH A W 101679	MARTENS N G C 89164	31947 63260	53946	MARZAL M 42091		
MARSH B B 107571	MARTENS P H 77754	8647	56065	MARZAN B 12586 30994		
MARSH C A 103277	MARTENSSON M T 24139	72238	88878	MARZELL H 57610 60039		
MARSH C L 30982 61825	MARTENSSON O 26919	38082	77566	63365 101326		
MARSH D 6061	MARTENY W W 12355	48260	62172	829 6715		
MARSH E E 36250 46396	MARTH E H 15748 24845	84329 87197	94386	7431 25814 86253		
MARSH E K 40610	MARTH P C 28050 38251	89569 101971	83636	108294 109220		
MARSH G A 4196 93295	MARTHEDAL H E 62856	62877	75620	MARZI V 50088		
MARSH H L 92404	104384	93322	MARTINS A DE A R	MARZIANI G 58787		
MARSH H V 19358	MARTI F 50293 74790	54680	L	MARZOCCA A 77195 77196		
MARSH J M 29235 29283	MARTI W 53992	103782	MARTINS A F 51667	MARZULLO G 69261 69262		
MARSH J T 25209 107159	MARTIAN N 39829 49847	25498	54428 55411 55412	MAS J M 25313		
MARSH L C 9596	MARTICORENA C 68508	107371	55413 65811 86101	MAS P 57962		
MARSH P B 34610 65323	MARTIGNONI M E 42874	30064	96302 97053 97054	MAS-SINTA J 17696		
75141	94649	88880	97055 97056	MAS-SOLANES R DE 34257		
MARSH R E 288	MARTILLI M 1608	26422	MARTINS A V 23683	MASAKI T 77459		
MARSH V A 46172	MARTIN 97878	67551	64027	MASAND P 18628 68511		
MARSHAK R R 12977	MARTIN A 28691 96139	51895	83265	MASANI N J 2960 40919		
12990 13074 82163	MARTIN A A 92702 103975	51896	16711	MASCARENHAS A F 28130		
MARSHAKOVA M I 352	MARTIN A L D 1561	69259	73210	MASCARENHAS J P 38253		
MARSHALL A 98515	MARTIN A W 8112	70439	94441	MASCARD M A 55942		
MARSHALL A E 91999	MARTIN B 3567 29699	19034	MARTINS M R DE S 27118	MASCHHOOR M 42691		
MARSHALL A T 94913	48259 66510 72238	51553	MARTINS N 43574	MASCHWITZ U 63769		
105844	79129 82092	98406	MARTINS O E C 76543	MASCIOLI M D 84762		
MARSHALL B 3433 3434	MARTIN C 69258 71540	70302	29283	MASCOLI C C 41326		
9815 24240 78534	57959	62965	30891	MASCRE M 99821		
MARSHALL C M 52798	MARTIN C A 6928	55410	64260	MASEFIELD G B 84763		
MARSHALL D 7369 36000	MARTIN C R 20979	22221	102973	MASEK J 31376 41636		
36018	MARTIN D C 27358	31375	90929	44289 87762		
MARSHALL G 65300 98587	MARTIN D F 4896	103255	10191	MASER M D 75563		
MARSHALL H H 828	14124 23199 64207	103783	MARTON R 21609	MASERA E 53108 63801		
69873	64216 73809 73821	40879	41091	MASHEV N 29517 29518		
MARSHALL H V 26334	83300 83338	94933	MARTON T 102973	39709 70328		
89568	MARTIN D M 59593	95055	MARTORELL L F 73726	MASHIN A 42627		
MARSHALL J 43670 52800	MARTIN E A 36324 36325	79897	MARTOURET D 94306	MASHINSKII V L 49224		
94385	MARTIN E L 84155 84156	79897	94515 94548	MASHKOVICH I 15339		
MARSHALL J D 73586	84157 84158	6262	61146	MASHKOVICH I K 75325		
MARSHALL J E 11876	MARTIN E M 8254	75710	MARTSINKOVSKII L	MASHMINA T I 32906		
80812	MARTIN E W 21276 93102	38850	A	MASHTAKOV S M 9912		
MARSHALL J G 29749	MARTIN F 37103 48728	41548	MARTSYMOV A 108293	9913 48262 48263		
MARSHALL J H 66060	MARTIN F M 70746	15842	62819	MASHTAKOV S M 38463		
MARSHALL J P 87320	MARTIN F T 27085 105078	44480	92833	MASIC M 92006		
MARSHALL J T 50960	MARTIN F W 10224 27558	66017	60856	MASIOR S 55992		
MARSHALL K C 11347	MARTIN G 37875 78628	107742	62620	MASIREVIC D 12379		
70374	45296 50087	75429	101543	MASKEN J F 81987		
MARSHALL M 33838 33900	78629 85469	94937	31616	MASLANKOWSKA L 50089		
74244	1090 47953	27285	5406	MASLANKOWSKI I 35653		
MARSHALL M N 64648	89875 100649	42694	28989	MASLARGOWA B 80613		
MARSHALL P A 12790	MARTIN G C 1090 47953	67324	MARTYANOV S 28989	MASLENITSKAYA G P 70121		
MARSHALL P C 72746	MARTIN G E 24615 85132	C	MARTYANOV S N 3173	MASLENNIKOVA T N 25747		
MARSHALL P E 91677	MARTIN G M 86411		72297			
MARSHALL R 24273 109180	MARTIN H 14312 14880		MARTYANOVA E 101543			
MARSHALL R D 54261	54225 85312		31616			
MARSHALL R G 92495			MARTYANOV V 5406			
			MARTYANOV V G 74003			
			MARTYNOVA K 96428			



	ITEM		ITEM		ITEM		ITEM		ITEM
MASLENNIKOVA V A	73756	MASTER R W P	94740	MATHER K	109118	MATOV G N	73718	MATSUSHITA M-CONT	32562
MASLI L K	94174	MASTERS C J	32253	MATHER R E	41450	MATRENIN	62578	MATSUSHITA S	55894
MASLINKOV M	38255	32270 52453	52454	MATHER S M	47586	MATRENIN A A	82420	74791	78972
	90164		52455	MATHER W B	53340	MATRONE G	19358	MATSUURA G	68738
MASLOV A D	63953	MASTERS J R	96059	MATHERS A C	29623	52209 82557	92084	MATSUURA H	681 67850
MASLOV A V	43142	MASTERS C L	19302		68928 70258		106950	89165 89166	89167
MASLOV B S	20881	MASTERSON R A	22241	MATHES K	87182	MATSCHULLAT G	31378	89168 89169	89170
MASLOV S P	101186		41363	MATHES M C	48264	MATSENKO A E	57492		89171
MASLOV V A	24675	MASTON C	61336	MATHES R	52869		57611	MATSUURA R M	27637
MASLOVA R A	28382	MASTRANDREA F	108153	MATHESON E M	100826	MATSEPURO M E	15060	MATSUURA S	55384 106817
MASLOVA T G	48379	MASTRANGELO A E	82938	MATHESON J	34064	54162	66022	MATSUYA S	57142
MASLOVA Z V	13709	MASTRANGELO P	103610	MATHEW A G	16510		80614	MATSUYAMA A	15467
MASLOWSKI P	3074	MASTRORILLI V I	26775		89570	MATSON A J	27023	MATSUYAMA K	21879
38256 38257	44926	MASTYKO G S	13077	MATHEW A S	29750	MATSON A L	102197	MATSUYAMA M	48480
55316	75497	MASTRORILLI R H	76321	MATHEW C	78632	MATSON W E	84707	MATSUYAMA N	390
MASLOWSKI R	3629	MASUDA K	47585	MATHEW I P	9823	MATSUBARA A	44766	MATSUYAMA T	30442
MASOERO P	35185	MASUDA S	43543		101156		55176	33904 33805	43631
MASOLOV P	23977		43701	MATHEW J	105305	MATSUBARA F	23489	64554 64555	84483
MASON A	39244	MASUDA Y	26022	MATHEW P	93475		53110		84484
MASON BAHR P E C	63483	MASUHARA T	22549	MATHEW P M	9369	MATSUBARA H	32702	MATSUZAKA T	18001
MASON C	29128	MASUI I	49905	MATHEW T V	106915	MATSUBARA M	14338	MATSUZAKA Y	39849
MASON C G W	40847	MASUI K	31948	MATHEWS A	46641	MATSUBARA S	29751		60264
MASON C T	98833	MASUI M	19539	MATHEWS G R	49005	30400 30442	34743	MATSUZAKI A	38261
MASON D D	101089	MASUI S	101419	MATHEWS J	21825	38259	81018	MATSUZAKI K	32400
MASON D R	52481	MASUJIMA H	9914	MATHEWS R	25088		91017	32563 89877	89878
MASON D T	18928		78631	MATHIA G A	44929	MATSUBAYASHI M	8601		90326
MASON E B B	71541	MASUO Y	18989		75326		107372	MATSUZAKI T	20452
MASON E C	59827	MASURAT V J	12380	MATHIAS A P	104540	MATSUDA E	35654	MATSUZAKA T	29
MASON E S	7603	MASURAT G	37104	MATHIAS M E	49225	MATSUDA G	3976		101662
MASON G	11747	MASURKA R	18000	MATHIAS M M	72043	MATSUDA H	28909	MATSYUK L S	69621
MASON G W	39521	MASUROVSKY E B	7560	MATHIASSEN T	54473	MATSUDA K	9915	MATTA A	57963
MASON H C	23226	MASUROVSKY E B	7561		57275		106095		99421
	23704	MASUSHIGE S	104375	MATHIESON C J	61530	MATSUDA M	94594	MATTARELLA B	25690
MASON H F R	50470	MASUTTI L	83191	MATHIESON J	82551	MATSUDA R	14738	26662 45694	108430
MASON H S	10183	MASUZAWA M	17543	MATHIEU	45046	25678	33754	MATTE F	71169
MASON I L	3416	MASYUK N P	88481	MATHIEU A	48077		33803	MATTE H V	50884
MASON J A	18897	MASYUKOV A V	13504	MATHIEU L G	66032		43165	MATTEI C	65728
MASON J H	104013		13532	MATHIS A G	24772	MATSUDA S	3109	MATTEI J N	101051
MASON J L	70577	MATA-BILBAO A	101221	MATHIS C	55645	MATSUDA T	40960	MATTEJAT B	5789
	82237	MATACHE V	44301	MATHIS S	103948	71537	81472		84499
MASON L	18448	MATALLANA-VENTURA J	1515	MATHIS W	42510		97880	MATTER E	46176
	54081					MATSUDA Y	75327	MATTERN J	101093
MASON L M E	66500	MATANO T	9470	MATHISEN J	63484	MATSUDAIRA Y	105736	MATTERN P	66902
MASON M E	86302	MATANO Y	52040	MATHISEN K	22376	MATSUI C	18306	MATTERN P J	18745
MASON P	86393	MATARESE L	26092	MATHISEN M J	92796	18379 23228	47520	MATTERSON L D	22550
MASON R	12751		86307		69417		99631	44962 46721	55358
MASON R A	41637	MATARRESE N	50294	MATHLEIN R	23366	MATSUI H	95999	MATTERSON L D	82572
MASON R G	46348		60636	MATHLOIS H	71814	MATSUI K	29088	22560 62766	93153
MASON R T	1397	MATASSINO D	22283	MATHON C C	38258		39677	93153	
MASON S G	71493	22727 31074	31108		58747	MATSUI M	90431	MATTESON J W	83172
MASON T C	51025	71459	62594	MATHON G C	89571	63486	10231	MATTEUZZI A	31589
	102945	62595 92151	92204	MATHON J H	68929	MATSUI N	79017	85019	87810
MASON V C	91863		92204	MATHRE J H	99419		93296	MATTEUZZI D	82858
MASON W A	1796	MATASZEWSKI S	92615	MATHUR A C	5460		93477	MATTHEE F N	106705
MASON W R M	4672		72058	MATHUR C	14130	MATSUI O	66894	MATTHEE J F LA G	20980
MASON-BAHR P E C	63482		75027	MATHUR B C	51251	MATSUI T	27032	MATTHEEUWS D	12749
	63842	MATCHETT J R	43967	MATHUR B L	27193		29613		82407
MASOUD F I	42015	MATCHETT W H	68927	MATHUR B P	19680		20677	MATTHEI O R	36873
MASPETIOL R	57293	MATE C	38548		20677		50090	MATTHEN R O	74514
MASRI M S	69202	MATE F	40012	MATHUR C M	60166	MATSUK YU P	107889	MATTHEN D	14546
MASRIERA J	28052	80348 89544	91122	MATHUR C S	30948	MATSUKI G	29285	MATTHEE A	43828
	91414	MATEDESCU E	1092	MATHUR G M	51251	MATSUKI Y	44383	MATTHEES R C	34956
MASRY L EL	101654		59074	MATHUR G S	60743	MATSUMOTO A	1380	MATTHEES R K	60081
MASSA D	32192	MATEDESCU N	10946	MATHUR J B	26776	MATSUMOTO H	3752	MATTHEESON J W	23229
MASSACRA G	66091		19831	MATHUR J M S	35173		14017	MATTHEW D L	10936
	107597	MATEDESCU S	39829	MATHUR K S	90967	MATSUMOTO J	45093		57836
MASSAGETOV P S	58967	MATEDESCU T	31360	MATHUR L M L	14146	MATSUMOTO K	680	MATTHEWS B	93478
MASSANTE S	85773	MATEEV M	32485	73541 106044	106087	4043 36251	58190	MATTHEWS B C	2269
MASSARELLI A	31548	93826 93861	104456	MATHUR M L	92331		68930	11404 49908	108611
MASSART E	26977	104875 104876	104877	MATHUR P B	25493	MATSUMOTO M	103738	MATTHEWS D H	88784
MASSART L	64979		104877		107373	MATSUMOTO S	9760	MATTHEWS D H	82731
MASSAT J	10405	MATEEVA M	82260	MATHUR P N	33106		32621	MATTHEWS E D	2283
MASSAUX F	36407	MATEI V	68908	MATHUR R B	5529		75114		101863
	78630	MATEI-VLADESCU K	41962	MATHUR R N	64211	MATSUMOTO T	84160	MATTHEWS E F	9244
MASSCHELEIN C A	24676	MATEJAK D	26661	MATHUR R S	5045	51420 63129	40946	MATTHEWS E G	94917
MASSE F A	21610	MATEJKA V	2858	27031	52828		103020	MATTHEWS E J	39522
MASSEE A M	5178	MATELES R I	43924		99556	MATSUMOTO Y	63954		74083
5407	5408	MATELJAK D	97879	MATHUR S B	18172	MATSUMURA C	100685	MATTHEWS G A	42642
33105	95229	MATELSKI R P	2274	MATHUR S P	101828	MATSUMURA F	73118	MATTHEWS G D	20882
MASSEE T W	20627	MATEOS M	101666	MATHUR V K	13982	MATSUMURA H	65207	MATTHEWS G J	47784
MASSELIN J N	13076	MATER M H	12236	MATHUR V S	59213	MATSUMURA S	830	MATTHEWS G V T	13587
	22222	MATERA E A	52041	MATHUR Y K	88159	831 18743	18744	MATTHEWS J	21880
MASSENAGLE J T	24485	MATERASSI R	70350	MATHYS G	23562		27524		84612
MASSEY A B	70127	MATERI M	74028	38973 42416	52733	MATSUMURA Y	27	MATTHEWS J C	104758
MASSEY C L	53268	MATERN B	71106		63636	67 1866	41952	MATTHEWS J D	30394
MASSEY G D	94914	MATERNA J	58746	MATI K L	63485		72629	50909 61147	71267
MASSEY J H	86643	MATERNE R	61202	MATIASHVILI A D	78633	MATSUNAGA H	90325	MATTHEWS J F	1381
MASSEY L M	20041	MATERNA J	64883		101222	MATSUMOTO K	99259	MATTHEWS J R	57693
	44604	MATERU M E A	53484	MATIC Z	42935	MATSUMO M	44980	MATTHEWS J W	669
MASSEY P H	33900	MATES M	92942	MATICIC M	86294	MATSUMO S	108662	MATTHEWS L H	83739
	74245	MATESOVA G YA	63666	MATIENKO B T	27560	MATSUMO T	39842		98448
	62170	MATEU J	43007	MATIENS M I	4472	MATSUO K	31515	MATTHEWS L J	11068
MASSEY V	68158		94916	MATIKASHVILI N V	94155		35655	49463 70128	98449
MASSFELLER D	55534	MATEV T	29086	MATIKKALA E J	19359	MATSUO S	35814	MATTHEWS P J	79599
MASSII O	1382	MATEV TS	2522	MATILE L	73651	MATSUO T	75115	MATTHEWS P R J	13410
MASSIAS M	84541	MATEVSKA N	78289	MATIS F J	109194	MATSUO Y	101862		62308
MASSIE D R	91028	MATEYKA D T	16179	MATIZ-FLOREZ J	81988	MATSUOKA H	44372	MATTHEWS R E F	18293
MASSIE I E	61384		35275	MATKIN O A	10804	MATSUOKA K	89573	18329 19284	23753
MASSIE M R C	14647	MATHAD S B	43363	MATKOVSKI K I	89641	MATSUOKA T	89574	MATTHEWS R H	7016
MASSIMELLO G	105527	MATHAI G	14464	MATLAK O	53143	MATSUOKA T	96812	MATTHEWS V S	98167
MASSMANN W H	43467	MATHAN D S	79010	MATLASHENKO E V	27370	MATSUSAKA Y	79922	MATTHEWS W A	9065
MASSO V	74004	MATHARU B S	45045	MATLINS S M	33559	MATSUSHIMA J	22097		27163
MASSOL G DE	16313	MATHE I	27420	MATLOCK R S	29087	MATSUSHIMA J K	41526	MATTHEY E	12190
MASSON C G	59037	MATHEKA H D	61826		60032	51777	51977	MATTHIAS D	32487
58745	66020	MATHEN K	63624		79404		33680		52620
	66020	MATHER A F	66388	MATOBAT	74409	MATSUSHIMA M	77568	MATTHIES F	2772
MASSON W	1966	MATHER B	95482	MATOFF K	52043	MATSUSHIMA S	19186	MATTHIES H	28320
MASSONI R	89876	MATHER C	46075	MATOLCSY G	90685	28054	38260	MATTHIES H J	43632
MASSOUD Z	5612	MATHER F B	32125	MATON A	5887	MATSUSHIMA T	28055	MATTHIES P	31201
	95648	MATHER G W	52042		106174	MATSUSHIMA Y	7284	MATTHIESEN F A	42936
MAST C L	44927	MATHER H J	20698	MATOS K	73934	MATSUSHITA A	9916		105554
MASTAKOV N	34438	MATHER J	6424	MATOS R C T	85311		16128	MATTHYSSE J G	52800
MASTAUSKIS S	4815	MATHER J C	56597	MATOUS J	10854	MATSUSHITA E	9345	MATTICK A T R	57223
MASTEAU P	107304	MATHER J W	8170		48415	MATSUSHITA K	21952	MATTICK J F	54638
MASTER I	80239		67251	MATOUSEK J	22224	MATSUSHITA M	32382	85432	85443



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
MATTICK L R 6898 23029 25529	MAUGHAN G L 24031	MAY S 30395	MAZLIAK P 6747 18589	MCBRIDE G --CONT 72683	ITEM
MATTIL K F 44096	MAUGINI A 84330 95735	MAY T L 61827	MAZO A A 34703 65439	83965 85222 92653	
MATTINGLEY G H 79688	MAUL K 91276 98589	MAY W O 31949	MAZUCHIN-PORSHNJ- 84811	93006 93472 104942	
MATTINGLY A 9471	MAULIN W G 37726 98580	MAYBERRY R H 75601	MAZUKHIN-PORSHNY- 14382	104943 104951	
MATTINGLY E G 98588	MAULON R G 100334	MAYCOCK P F 8648	MAZUR B 50295	MCBRIDE J 32072	
MATTINGLY P F 33231	MAULON R P 6814	MAYDELL H J VON 30109	MAZUR C 29738 50072	MCBRIDE J G 86742	
MATTIOLI A 42511	MAULE J R 22005	MAYER 25210	MAZUR D 50073 50074	MCBRIDE J J 71516	
MATTIS G YA 107647	MAULE V 64154	MAYER A 109076	MAZUR P 66092	MCBRIDE J P 13745	
MATTNER P E 13631	MAUNDER A B 10354	MAYER A M 10060	MAZUR T 49715 49729	MCBRIDE J S 40878	
32188 32189	MAUNDER M J DE F 63419	28281 28325 38597	MAZUR V 49730 49715	91636	
MATTONI R H T 5530	MAUNDER W J 65836	38615 58748 69264	MAZUR Z 50204 97742	13745	
MATTOON J R 79011	MAUNDER W J 103401	69265 78627	MAZURAK A P 2115	107888	
MATTOR J A 15843	MAUNE R 75737	MAYER C E 21105	MAZURCZAK J 102097	78865	
MATTOS R C T DE 15711	MAUNEY J R 78634	MAYER E 36726 46938	MAZUREK J H 63130	108853	
MATTOX K R 46961	MAUQUOY L 65870	MAYER G 14971 78636	MAZURIN N D 42458	15593	
MATTSON D F 16150	MAUREL A J 54429	MAYER H 11894 27421	MAZUROWA A 62966	31921	
MATTSON R 59127 101499	MAURER C 55665	47661 78041	MAZUROWA J 89396	31946	
MATTSON F H 19360	MAURER E 81607	MAYER H F 3217	MAZZA C A 11286 70317	37275	
MATTSSON A 79317	MAURER E S 10225 20345	MAYER I 40013	MAZZANI B 29286 38890	287	
MATTSSON B 3753 86869	29413 49561 60041	MAYER J 57093 88105	MAZZANTINI L 14131	23220 52728	
79794	60042 70207 79898	MAZUR K 13262 15543	MAZZARACCHIO V 21785	66157 105201	
MATTSSON R 54666 96544	MAURER E W 55646	24677 44684 74617	MAZZARELLA P 98235	1604	
MATTSSON S 74876	MAURER F D 83046	74618 83740 85133	MAZZEI A M 24678 24679	70124 82090	
MATTSSON T 69418 87040	MAURER K J 28929 101120	106876	MAZZINO L W 65302	90679 92321	
106457	MAURER M 49373	MAYER L V 34949 56282	MAZZINI C 1505 50729	48979	
MATTUR G E 55177	MAURER P 6645	66815 67058 85984	MAZZOCCI G 10338	31984	
MATTUS G E 16035 39057	MAURER R 73643	MAYER M J 75599	MAZZOCCI-ALEMAN- 109205	75116	
44767 44768 48266	MAURER T C 100987	MAYER M S 14547	MAZZOLANI G 27561	13795	
55178 85850 96895	MAURER W C 7536	MAYER P 26345	MAZZONI L E 101544	51775	
MATUDA E 17743 17744	MAURI E O 20042	MAYER R 97430	MAZZOTTI L 23151 23152	57094	
57612 88344	MAURI M 99271	MAYER V 42506	MAZZOTTI S V 38240	70518	
MATUDAIRA Y 807	MAURI N 28800	MAYER-DRAPPOOL H 20489	MAZZUCCO K 23878	56837	
MATULIONIS A A 40585	MAURI R A 1772 32703	MAYER-KRAPOLL H 20489	MBA E 87461	19025	
MATUMOTO M 3986 3987	MAURIC A 81780	MAYERL F 1504 7017	MCADAMS V E 22094	48248	
3988 22644 63322	MAURICE M A 53109	MAYES A J 39517	MCALISTE C D 69555	49800	
MATUMOTO T 53109	MAURICE R 53384	MAYES F M 39245	MCALLISTER D 38163	90117	
MATURI V F 74460	MAURICE Y 73170	MAYES J S 103784	MCALLISTER D R 78398	78617	
MATUSEVICH V F 3754	MAURICE F P 41663	MAYES R 14218 33582	MCALLISTER J S V 38240	63539	
MATUSIEWICZ E 103278	MAURIES J P 105575	MAYESKE G W 30101 77103	MCALLISTER R A 102363	16814	
MATUSZ S 40509 50801	MAURINA H 48267	MAYEUX M 74134	MCALLISTER R E 80758	33926	
MATUZA G A 73828	MAURING H 72703	MAYFIELD E D 82782	MCANDREWS C J 102193	43827	
MATVEEF 85982	MAURIZIO A 37727 58298	MAYFIELD P B 71428	MCANDREWS J H 46712	27390	
MATVEEF M 25681 75430	MAURO T 108139	MAYMON B 4394 21784	MCANALLY C W 10944	73822	
MATVEENKO I 97161	MAURON J 6359 25344	41230 42154 51421	MCARDLE F J 49127	73822	
MATVEEVA A 35322	MAURUS P 62273	61828 71643 71766	MCARDLE M 60810 66812 93106	107249	
MATVEEVA A N 92444	MAURYA A N 99823	81665 81666	MCARDLE R E 44194	36087	
MATVEEVA A S 16397	MAURYS E 59532	MAYNARD C D 46046	MCARTHUR A G 81222	103771	
MATVEEVA N D 38799	MAVROMOUSTAKIS G 43213	MAYNARD D N 38262	MCARTHUR A T G 84875	40856	
MATVEEVA P N 40722	MAVRULIS A 22797 22798	MAYNARD E A 27058	MCARTHUR D 45206	84810	
MATVEEVA V 24030 100986	MAW M G 42875	MAYNARD E J 12511	MCARTHUR J 45206	83966	
MATVEEVA V I 100333	MAWBY M E 3075 21783	MAYNARD L A 51422	MCARDY C D 51327	91725	
MATVEEVA E P 100650	MAWSON W F 95736	MAYNE B C 78637	MCARTER A 103847	17437	
MATVEEVA G 26813	MAXA R 45587 95786	MAYNE E D 55647	MCARTHY A I 6822	55633	
MATVEEVA N M 10023	MAXC R B 74969	MAYNE L S 1867	MCARTHY C F 103771	13103	
MATVEEVA O V 8578	MAXEY C W 81356	MAYNE T G 54412	MCARTHY D F 40856	85320	
MATVEEVA V S 68187	MAXEY G B 20895 102164	MAYNE W W 87676	MCARTHY E J 26285	26285	
MATVEEVA Z F 69752	MAXFIELD O D 35656	MAYO C DE 27309	MCARTHY E M 84810	83966	
MATVIENKO B A 62309	MAXIE E C 19166 19420	MAYO C R 75778	MCARTHY J C 51631	51326	
MATVIENKO L N 79318	55195 85774 85852	MAYO F R 7299 35186	MCARTHY J L 51327	91725	
MATVIEVSKII A S 68048	MAXIM N 2285 2438	MAYO H 51978 52490	MCARTHY M J 34330	55633	
88622 99205	MAXIM V 104287	MAYO S C 8048	MCARTHY R D 63110 74788	13103	
MATVEEF M 96978	MAXIMOVA R A 12259	MAYOR E 217 17899	MCARTHY W C 45156	2364	
MATYAS K 11963 41095	MAXON R C 86159	MAYOR F 38551	MCARTNEY E 19355	31757	
MATYAS V 89022	MAXON C W 13588	MAYOR-ROJAS T 98365	MCARTNEY M G 62850 82675	93007	
MATYAS Z 109137	MAXWELL C W 14196 63644	MAYORAL B M 100336	MCARTY C D 38226	100327	
MATYASNE M 78583	MAXWELL E T 98562	MAYR A 4198 12657	MCARTY M K 70071	74256	
MATYGIN V M 26038	MAXWELL F G 23213	13840 22440 41338	MCARVER O 59730	90427	
MATYGINA L M 26093	MAXWELL N 37041 37166	51554 61829 82236	MCASKILL O L 25191	74256	
MATYKIEWICZ J 92205	38992 38993 39012	19035 83790	MCCLANAHAN R H 14742	4911	
MATYSHEVSKAYA M S 58039	44562 99261 101162	MAYR E 19035 83790	MCCLANAHAN W D 40337	64679	
MATYSIAK T 93988	MAXWELL N P 37142	MAYR H H 38264 68931	MCCLAY D R 87455	30573	
MATYUTO N A 73979	MAXWELL R L 2639	MAYR J 54667	MCCLAY T A 18324	51865	
MATZ G 73867 73868	MAXWELL S 35376	MAYROSE V B 4512	MCLEAN A P D 98764	98764	
MATZ H 45586	MAXWELL T G 28679	MAYTON E L 12883 31151	MCLEAN J A 51865	98764	
MATZ J 82129	MAXWELL W T 26094	72334 103553	MCLEAN S P 69561	98764	
MATZ S A 85983	MAY A W S 5294	MAYWALD J 62310	MCLELLAN D B 94635	13773	
MATZEN A 60265	MAY B M 53144	MAYWEG 65649	MCLELLAN R O 61815 63291	27026	
MATZINGER D F 27728	MAY C 47132 93479	MAZ W N 93282	MCLELLAN W D 91664	10468	
MATZKE E B 88160	99422 92031	MAZAC J 33622	MCCLIFFLAND G A H 5351	52489	
MATZKE P 22074	MAY D E 55317 62857	MAZAEVA M M 80366	MCCLIFFLAND T H 54177	54177	
MATZKE S A 20856	MAY D E 103469	MAZAKI J 3032	MCCLIFFLAND W G 54177	54177	
MATZKE W 53002 102967	82737 62768 62858	MAZANDOWSKI A 4274	MCCLIFFLAND J J 27233	100644	
MATZNER F 55048	MAY E G 49307	13589 43769 53947	MCCLINTOCK B 9594	77267	
MATZOLD G 7723 24007	MAY J 62865 103274	62768 62858	MCCLINTOCK E 49225	98774	
MAUBECHIN R A 63478	475 8937	MAZARAKI J 73022	MCCLINTOCK K E 6291		
MAUBEUGE P L 47660	89873 199567	MAZARAKI M 6758 69185			
MAUBOIS J L 74755	43887 65291	MAZEL YU YA 11271			
MAUCH A 15256 84967	86341 86360	MAZELAITIS J 73022			
62703 84967 85851	MAY J M 43887 65291	MAZELIS M 6758 69185			
86870 87675 93009	MAY K 86341 86360	MAZENOT G 11412			
103279 104239 106403	MAY L H 15786 55318	MAZEPIN K G 28093			
MAUCH E 73489 94650	97741 107094	MAZEPOVA G E 58198			
MAUCH W 97462	78635 100335	MAZESS R P 72786			
MAUCHA R 98512	MAY P 78635 100335	MAZIL V 91868			
MAUD R R 59013 50188	MAY R F 40604	MAZIN V 77758			
MAUD A D 31110	MAY R G 74583	MAZINGUE G 6683 65273			
MAUER K J 15181	MAY R W 103508				
MAUER HUFER H 23447					
MAUGARD P 42632					
MAUGE J P 40604					
MAUGENET J 74583					
MAUGER R E 103508					

ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
MCCLOSKEY P 38630	MCCREADY A M 14625	MCDONALD T 36083	MCGEEHEE R M 49633	MCINTOSH D L-CONT 92869	ITEM		
MCCLOUD D E 48963	MCCREADY C C 9996	MCDONALD T A 32378	MCGEEHEE T F 87914	MCINTOSH F 7943			
MCCLUN D E 82982	MCCREARY K G 92487	MCDONALD T A 42254 82785	MCGEORGE W T 46532	MCINTOSH I G 73400			
MCCLUNG A C 60524	MCCREATH J B 7942	MCDONALD W A 27234	MCGHEE J C 75709	MCINTOSH J B 19642			
		MCDONALD W C 57954	MCGIBBON W H 62340	MCINTOSH K S 3214			
MCCLUNG M R 82562	MCCREERY R A 71988	MCDONOUGH S 77834 100770	MCGILL D P 38703 69386	MCINTOSH R P 68333			
MCCLUNG N M 27550		MCDONOUGH S 13432 13433	MCGILL J F 59953	MCINTYRE D J 18590			
MCCLURE A 32073	MCCROAN J E 35272	MCDONOUGH E H 91275	MCGILL J N 96514	MCINTYRE G A 49961			
MCCLURE F A 57607	MCCRONE J 26727	MCDONOUGH R A 49617	MCGILL J N 74512 96612	MCINTYRE K H 6714			
MCCLURE H E 4735	MCCRORY H K 14009	MCDONOUGH W T 18443		MCINTYRE R W 12949			
MCCLURE H M 4193	MCCRORY J L 69486		MCGILLAWEE J A 65298	MCINTYRE T 63719			
MCCLURE J P 51004	MCCRUM R 67693	MCDONUGAL C W 46074	MCGILLIARD A D 12918	MCKAIG J E 7878			
MCCLURE K E 72783	MCCRUM R C 37471	MCDONUGALL E I 52450		MCKAIN W C 27089 36034			
MCCLURE R 3151	MCCRUEN J E 90961		MCGILLIVRAY D 91751				
MCCLURE R C 81741	MCCUITION W R 104098	MCDONUGALL K 97152		MCKAY D H 7105			
MCCLURE T J 71943	MCCULLUCH B 72231	MCDONUGALL M E 53444	MCGILLIVRAY G 93261	MCKAY H C 20692 90160			
MCCLURKIN A W 22965	MCCULLUCH J S G 78695	MCDONUGALL R 1693	MCGILLIVRAY R 46555	MCKAY J 28359			
MCCLUKIN D C 84741	79333 79906	MCDONUGALL W A 52729	MCGILLIVRAY W A 480				
MCCCLUSKEY E S 14823	80968 80983	MCDOWALL F H 51781		MCKAY J W 19930 19931			
MCCCLUSKEY W H 31758	MCCULLUCH R R 5751		MCGILLY F J 26999	39120 101254 101255			
MCCLYMONT G L 52205	MCCULLUCH S W 15097	MCDOWALL M A 6619	MCGINN J A 66272	MCKAY K A 61699 92439			
	MCCULLUCH W F 41335	MCDOWELL A K R 24843	MCGINNES B S 2846	MCKAY M R 102865			
	MCCULLUGH M E 91860			MCKEAGUE J A 20447			
	MCCULLUGH H A 77476	MCDOWELL H G 34579	MCGINNES E A 51359	MCKEAN H E 31744 62803			
MCCLYMONT J W 20877		MCDOWELL J 106911	MCGINNES W G 49933				
MCCOLLAM M E 101944		MCDOWELL M E 24463	MCGINNIS A J 23066	MCKEE A 103960			
MCCOLLISTER D D 34122	MCCULLOUGH J M 80941		73823 83169 83170	MCKEE C G 29745 60437			
MCCOLLOCH C L 24771	MCCULLOUGH M E 3473	MCDOWELL P E 51001	MCGINNIS E A 40393				
MCCOLLOCH L P 57288	3474 28463	MCDOWELL R E 72203	MCGINNIS J A 4090	MCKEE E L 60438			
			51417 52177 52178	MCKEE G B 18444			
MCCOLLOCH R J 75073	MCCULLOUGH N B 3211	MCDOWELL R W 72307	93109 99818	MCKEE G W 7419 28040			
MCCOLLUM L H 61320	MCCULLY R M 104009	MCDUFF R M 40007		45295 46738 58447			
MCCOLLY D 24670	MCCULLY W G 90428	MCDUFFIE W C 94127	MCGINNIS R C 38242	59648 79163			
MCCOMAS J D 8109	MCCUMMINGS E 10876		MCGILASSON W B 44606	MCKEE J F 87457			
MCCOMB A J 68913	MCCUNE D C 26802	MCDUNOUGH J H 67580		MCKEE M 91659			
MCCOMB A L 8026 49933	MCCUNE D E 60436	MCEACHERN D M 4896	MCGLOHON N E 60739 68044	MCKEE P 99711			
	MCCUNN 57289	MCELHATTAN V 5370	68046 99359	MCKEE R K 27186			
MCCOMB C E 5458	MCCURDY D R 17000	MCELHENY V K 109258		MCKELL C M 1082 9748			
MCCOMB E A 10222		MCELHINNEY P J 24324	MCGLOWN D J 22786 105392	11053 29555			
MCCOMRE S 100820	MCCURDY E V 91192	MCELROY F D 37499					
MCCOMBS C L 19439		MCELROY J J 84679	MCGOVERN G 8249	MCKELLAR E K 35913			
37276 44763 99385	MCCURDY J A 24136	MCELROY R C 22539		MCKELLAR N L 97558			
MCCONACHIE J D 93473		34673 86743 63951	MCGOVERN J N 45388	MCKELVIE A D 827			
MCCOVAGHY S 38240	MCCUSKER A 9463	MCELROY W D 89156 94847	MCGOVERN T P 83401	MCKELVIE D 34091			
40006 48427 101993	MCCUTCHEN B E 18821	MCELVEEN J D 26551	MCGOVERN W L 23669	MCKELVIE D H 31586			
MCCONCHIE B J 4448	MCDANIEL A T 12107	MCELWEE R L 12122					
	MCDANIEL B 14461 94755			MCKENDRICK W 36167			
MCCONKEY T W 61018	105841 105842	MENROE P 103055	MCGOWAN B 42125 51549	MCKENNA L A 99704			
	MCDANIEL I N 17389	MENROE W D 53198	MCGOWAN P 68914	MCKENZIE B 43513			
MCCONNELL B R 564	23727 32834	53199 53208	MCGOWAN W M 103056	MCKENZIE B A 15057			
MCCONNELL C B 66276		MCEVLEA B A 63292	MCGRATH B H 107676				
MCCONNELL D G 65987	MCDANIEL J C 1863	MCEVOY E T 1080 38241	MCGRATH H 77562 99203	MCKENZIE D W 59582			
MCCONNELL D J 31199		78618	MCGRATH R A 106094	MCKENZIE H 42609 105202			
MCCONNELL E 32678	MCDANIEL J W 72712	52220	MCGRATH R J 65417	MCKENZIE H L 53410			
	MCDANIEL L S 82629	MCEWAN L V 107492 107623	30217	53411 84046			
MCCONNELL E S 86358	MCDANIEL M C 17924	49455	MCGRAW E L 79628	MCKENZIE J 108948			
MCCONNELL J 46244	57752 77492	MCEWAN T 90961	MCGREDY S D 101354	MCKENZIE R I H 1561			
MCCONNELL K P 51548		MCEWAN B W 15255					
MCCONNELL L L 43512	MCDANIEL R 84611	MCEWAN E 15255	MCGREGOR A J 70575	MCKENZIE S A 90161			
MCCONNELL R M 7775	MCDANIAL P 52126	MCEWAN F L 33014 63417	MCGREGOR D D 5352	MCKENZIE W M 51100			
MCCONNELL W B 48581	MCDERMID J T 39979	MCEWAN G H 108495	MCGREGUR J K 4195				
	MCDERMID K A 43041	MCEWAN J 11891	MCGREGUR W G 28594	MCKEOWN K C 24529			
MCCONNELL W C 68196	MCDERMID R W 2936	MCFADDEN A D 1493		MCKEOWN K G 105573			
			MCGREGOR W H D 48721	MCKEOWN R M 98164			
MCCORMACK P 21546	MCDERMOTT F A 63950	MCFADDEN S E 20035	MCGREGOR W S 83260	MCKERCHER D G 3625			
MCCORMACK A 50079	83866 94907	39241 59733	MCGREW J R 49128	13070 41631 82720			
MCCORMACK C H 27458	MCDERMOTT H R 84304	MCFADDEN W D 25206	MCGREW P C 2482	MCKERCHER P D 62302			
MCCORMACK F B 45687	MCDERMOTT R E 60867		MCGRIGOR P M 27027				
MCCORMACK J 18578	MCDIARMID A 72232	MCFADDEN W H 6761	MCGUFFEY W C 59961				
MCCORMACK J E 100407	MCDIARUIT B R 81363	25372 26015 34701	MCGUFFIN W C 95479	MCKERCHER R B 89561			
MCCORMACK J F 99788	MCDIARUIT M 67414	35389 75915	MCGUGAN W A 6444	MCKERN H H G 45140			
MCCORMACK J M 95298	MCDONALD A E 107033						
MCCORMACK N A 70574	MCDONALD A 38858	MCFARLAND L L 52257					
	MCDONALD A J 2177	MCFARLAND L Z 22328	MCGUIGAN J F 86576	MCKERNAN B J 6143			
MCCORMICK R D 91139 100387	MCDONALD B E 4194	MCFARLAND V L 42608	MCGUINNESS C L 60693	MCKERRIGAN A A 66013			
	24488	MCFARLAND W N 100328	MCGUINNESS J L 80608	MCKIBBEN C 68853			
	74443	MCFARLANE A S 92009	MCGUIRE D 48092 79488	MCKIBBEN E G 15347			
MCCORMICK R W 56838	MCDONALD B K 98677	MCFARLANE D 75172	MCGUIRE D K 101324	64537 106220			
MCCORMICK T J 66883		75173	MCGUIRE J 506				
	MCDONALD B S 8323	MCFARLANE H M 2985	MCGUIRE J A 72849	MCKIBBEN J S 61817			
MCCORMICK W C 41525	MCDONALD D 21871	MCFARLANE H W 21415	MCGUIRE J J 38066	MCKIE J W 59962 101061			
		MCFARLANE I S 31451	MCGUIRE J M 27359	MCKIERNAN J F 17166			
MCCORMICK W F 4736	MCDONALD D J 23611	MCFARLANE J A 63679		57010 57011 87674			
MCCORMICK W J 52869	33104	MCFARLANE J E 73866	MCGUIRE W S 99629	MCKILLICAN M E 75426			
		106091 106092 106093	49438	MCKILLIP A A 15161			
MCCORNACK A A 63552 94687	MCDONALD E 1697 49221	MCFARLANE J S 9231		MCKIM W 30618			
MCCORVEY S J 59732	MCDONALD F E 41776	MCFARLANE L A 68258	MCHALE J 16310 26082	MCKINLAY K S 13983			
MCCORVEY J A 87456	MCDONALD F J D 84045	MCFARLANE W D 16560	34909 46393 79007	MCKINLEY D J 23561			
MCCOWEN P J 21010		MCFARLANE W D 64977	45688 45689 75950	MCKINLEY T W 35272			
MCCOWEN J T 77538	MCDONALD H 109013	MCFARREN E F 24844		MCKINLEY W 4966 4767			
MCCOY C E 42582 95171	MCDONALD H J 75424	65085 79781	MCHENRY J R 101663	23445 44983 63766			
MCCOY D W 25842	MCDONALD I 85976 69972	MCFATE K L 24137 95923	MCHENRY P B 95480				
MCCOY J H 7146	MCDONALD I 4561 12893	MCFEELLY J P 85603	MCHENRY S L 35273	MCKINLEY W P 23075			
MCCOY D D 20209 59810	71640 104772			23094 43923			
	MCDONALD I J 106910						
MCCOY-HILL M 101417 108194	MCDONALD I R 42185	MCFEELY R A 12958	MCHENRY W B 64654	MCKINNEAL J W 7558			
	MCDONALD I W 4343	MCFERRAN J 10945	29276	MCKINNEY L L 31710			
		MCFERRAN J B 13069	90705	MCKINNEY H E 88955			
MCCRACKEN E 91649	MCDONALD J 63765 105448		6895				
MCCRACKEN E C 54313	MCDONALD J D 4369	13240 42285 63127	MCHILRATH W J 78455	MCKINNEY H H 863			
MCCRACKEN J A 15889	MCDONALD J E 46737	MCFETRIDGE M J 74002		MCKINNEY R E 80649			
MCCRACKEN R J 58873	MCDONALD J K 1377	MCFETRIDGE W A 10469	MCHILVAIN E H 101678	MCKINNON B A 68225			
		MCGAHA M E 25407		MCKINNON D 90607			
		MCGAHEN J H 59165	MCHILVENNY H 39457	MCKINNON G 24842			
MCCRACKEN W 33721	MCDONALD L E 62157	MCGAHEN J W 68827	MCHINDOE A H 10800	MCKINSEY R D 100645			
MCCRACKIN D 24202	MCDONALD M A K 79264	MCGAHEN J W 98382		MCKINSTRY A H 10404			
MCCRADY J D 92732		MCGARITY J W 58142	MCHINCH N 97668	MCKIRBY J A 103945			
	MCDONALD M F 104689	MCGARRY R L 23221	MCHINNES A G 38612	MCKISSOCK A 68277			
MCCRAE A W R 52822	MCDONALD M G 70535	MCGARRY W L 13746		MCKITTEK J A 61820			
MCCRAW J D 49881 49901	MCDONALD M W 22665	MCGARTHEY C A 15902	MCHINNES P 72870 82771	MCKNIGHT J S 71034			
MCCRAW W E 61321	22703 93008 93107	MCGAUGHEY V 61929		MCKNIGHT M E 96613			
MCCRAY C W R 103267	93108 93529	MCGAVIN M D 3212	MCHINNES J B 62878	MCKNIGHT L M 23204			
MCCRAY E M 4704 33230	MCDONALD N S 60633	52730	MCINTOSH A F 48250	MCKNIGHT T 37098 92123			
	42412	MCGAW H D 52730	48275 100329	MCKNIGHT T S 2971			
MCCREA C T 94148	41233 72245 107093	MCGEE C D 21293	83261	MCLACHLAN J 28301			
MCCREA M R 13781 42310	MCDONALD Q F 72406	MCGEE E D 47126	18164	48251 89800			
	MCDONALD S 32618 32782	MCGEE W H 72055	37277 47302 77750	MCLACHLAN K D 1083			



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM				
MCLACHLAN P M	104353	MCNAB A P	73529	MCWAIN P	59095	MEDO M	12344	MEHREN G L--CONT	54581
MCLACHLAN T	7125	MCNABB C G	94383	MCWEENEY D J	15433	MEDOKS G V	9917	54582	55514
MCLAIN E D	54078	MCNABB H S	97806	MCWHORTER C G	44037	MEDREA N	28057	56299	57015
MCLARANE J K	6413	MCNABB R F R	99088	11066	29279	MEDRZECKI S	62800	64799	64800
MCLAREN A	101538	MCNAIR M P	9377	49457	59962	MEDUNA V VON	107829	65413	65497
MCLAREN A D	32238	MCNALL P E	64796	MCWHORTER F P	90681	MEDURI A	64980	66568	67165
70403	82499	MCNALLY E H	70825	37099	9233	MEDVED L I	25930	67418	67484
MCLAREN A P C	11168	MCNALLY G T	13459	MCWILLIAM J R	37460	MEDVEDEV G S	83173	107679	109021
MCLAREN D S	78620	MCNALLY J A	42027	MCWILLIAM R	48865	MEDVEDEV I K	63955	MEHRENS S	5582
MCLAREN G A	13071	MCNAMARA C W	101957	MEACHAM T N	68123	MEDVEDEV L N	14543	MEHRING A L	55723
	52822	MCNAMARA D G	21416	MEACHEM W L	81989	MEDVEDEV P F	37587	MEHROTRA B R	57353
	81806	MCNAMARA P	95998	MEAD BRIGGS A R	66303	MEDVEDEV P M	59382	MEHROTRA B S	57694
MCLAREN J	82855	MCNAMARA T F	103772	MEAD C B	64278	MEDVEDEV S I	59842	8855	57694
MCLARNEY S	7879	MCNAMARA W S	104782	MEAD C G	64279	MEDVEDEV ZH A	60724	MEHROTRA K N	67962
MCLARNEY R M	65106	MCNARY D C	12655	MEAD C R	49851		63956	53202	95230
MCLAUGHLIN H	2075	103269	71764	MEAD E V	19888		59018	MEHROTRA M D	683
MCLAUGHLIN D J	37720	MCNASSER K W	103270	MEAD F	41096	MEDVEDEVA G A	89879	MEHROTRA N K	67962
MCLAUGHLIN G E	76227	MCNAUGHT J D	50799	MEAD K J	83791	MEDVEDEVA M N	68515	MEHROTRA P N	89326
MCLAUGHLIN J A	19028	MCNAUGHT K J	87034	MEAD S W	69356	MEDVEDEVA R G	31193	61807	63295
MCLAUGHLIN J W	4345	MCNAUGHTON D	103649	MEAD W J	61945	MEDVEDOVSKII A	81667	MEHTA A S	58299
MCLAUGHLIN L L	79597	MCNAUGHTON H J	38019	MEAD BRIGGS A R	71439	MEDVEDOVSKII A K	7420	MEHTA B	97743
MCLAUGHLIN R F	3164	MCNAUGHTON I H	19643	MEAD Y	73899	MEDWECKA-KORNAS A	3793	MEHTA B V	39933
MCLEAN A	1605	MCNEAL B L	39732	MEADA A B	97395		18449	MEHTA C R	100534
MCLEAN D M	105203	MCNEAL D	80045	MEADE A B	13960	MEDZON E L	18450	MEHTA G L	55649
MCLEAN E D	18849	MCNEAL F H	1084	MEADE F M	12107	MEE J F	104541	MEHTA J S	55128
60142	68727	MCNEAL X	63213	MEADE G A	40654	MEEGEREN P VAN	46305	MEHTA K M	107925
MCLEAN G W	80057	MCNEE A W P	78622	MEADE G P	61532	MEEK A M	33904	45281	39693
MCLEAN J	55210	MCNEELY J G	45095	MEADE J A	55895	MEEK B D	61959	MEHTA M L	60403
MCLEAN J A	3626	65278	86099	MEADE J E	79841	MEEK J E	81790	3529	101964
	13072	MCNEIL A L	108395	MEADE J H	108857	MEEKER C R	79958	MEHTA N C	39657
MCLEAN J G	4393	MCNEIL E	100310	MEADE L C	41716	MEEKER D W	63770	39697	49728
MCLEAN J W	36971	MCNEIL G	97091	MEADE R J	52551	MEEKINS E H	26832	MEHTA N P	49752
MCLEISH J	9465	MCNEIL J E	8717	MEADER E M	104777	MEEKLAH F A	61148	MEHTA P C	55650
MCLELLAN C H	35836	MCNEIL J H	74789	MEADLY G R W	47521	MEFLU D P	102690	MEHTA P P	25211
MCLELLAN D J	54065	MCNEIL R J	97632	MEADOR J T	70129	MEENAKSHI G	70130	MEHTA P R	18002
MCLEMORE T A	57171	MCNEIL R W	8390	MEADOWCROFT S C	90686	MEENEN H J	18590	8940	18231
MCLENAN H A	75196	MCNEILAN R A	92326	MEADOWCROFT S D	39246	MEER K V D	66656	99423	99590
MCLENNAN L W	89261	MCNEILL D B	2440	MEADOWS C M	11565	MEER TH C VAN DER	69753	MEHTA R D	25211
	47878	MCNEILL E M	20036	MEADOWS K E	69568	MEERKERK P J	66472	MEHTA R K	3237
MCLEOD C C	33678	MCNEILL J	69870	MEADOWS P	47133	MEERSTRAL J	56463	MEHTA S C	27564
MCLEOD D D	65223	MCNEILL J C	26869	MEADOWS R	109020	MEES C F	74750	MEHTA S O	26095
MCLEOD D G R	69562	MCNEILL L B	36868	MEADOWS W A	83235	MEES G C	36092	MEHTA T R	97235
	104567	MCNEW G L	77564	MEADS E B	27120	MEESE M	89576	19540	19541
MCLEOD F D	14878	MCNICOLL J	57807	72239	3700	MESEMAECKER R	93862	28492	29752
MCLEOD H J	95371	MCNITT H A	77565	MEAGHER M D	72960	MEESER G	107997	MEI A	74710
MCLEOD W S	103869	MCNULTY I	101704	MEAGHER R P	103847	MEESTER J	92497	MEI H M	106913
MCLINTOCK J	54579	MCNULTY J A	97559	MEAKLM J R	21232	MEESTER J N	29497	MEI S Y	101743
MCLINTOCK S	27391	MCNULTY M J	78623	MEANS R E	38219	MEETER M	71767	MEIBURG C G	26423
	32169	MCNULTY P	106559	MEANS U M	17431	MEET H D	45316	MEICHSNER H	12248
MCLINTOCK T F	4155	MCNUTT C W	107923	MEARS J F	65172	MEUSE A D J	87987	MEIDELL A	61348
MCLOUGHLIN D K	41632	MCNUTT D N	105115	MEARS L G	29453	MEUSE B J D	26777	MEIDELL G E	17314
MCLOUGHLIN J V	22967	MCNUTT J A	87441	MEARS R P	95140	MEFUSE B J D	68512	MEIDEN H A VAN	38592
	75544	MCNUTT P	32835	MEASSELLS J W	49806	89907	19362	DER	50802
MCLUSKIE R B	27235	MCNUTT W	37278	MEASUX R	96808	MEEUWEN M S K V	106651	61149	50803
MCPHILL P	34705	MCNUTT D	59522	MECAUX R	35658	MEFFERT M E	57613	71151	77735
MCPHILL J	29277	MCNUTT J C	59522	MECARTNEY J L	55896	MEGALOV V	78638	MEIDNER H	98623
MCPHILL B J	103790	MCNUTT L B	37280	MECEFA P	58830	MEGALOV V A	83328	19037	19038
MCPHILL K J	25813	MCNUTT M	59522	MECEHALAS B J	59292	MEGARD R O	73211	MEIENBERG P	68942
MCPHILL P R	50641	MCNUTT N	59522	MECHAM D K	15327	MEGARRY R E	108576	MEIER A	108617
MCPHILL R D	28041	MCNUTT O	59522	MECHLER E	75381	MEGEREN P VAN	15062	MEIER B	88003
MCPHILL T J	29277	MCNUTT P	59522	MECHLER K	37105	MEGGERS B J	24274	MEIER F	45552
MCPHILL V	100646	MCNUTT Q	59522	MECHLING E A	77528	MEGGITT W F	17015	MEIER G	74029
MCPHILL W A	48583	MCNUTT R	59522	MECHOUALAN R	103577	MEGHAL S M	53816	MEIER H	53649
MCPHILL W W	56033	MCNUTT S	59522	MECHSNER K	23043	MEGNET R	59936	MEIER I	41668
MCPHILL B	104868	MCNUTT T	59522	MECOM J O	93989	MEGO J L	71560	MEIER J	12658
MCPHILL R R	25673	MCNUTT U	59522	MECUCCI U	85985	MEGOWIN J W	15160	MEIER K	21641
34142	34156	MCNUTT V	59522	MEDELAN L	38408	MEGRABYAN A A	100876	MEIER L	100652
MCPHILL J	34910	MCNUTT W	59522	MEDELAEN L	89288	MEGURO H	89288	MEIER M	23889
MCPHILL S	96973	MCNUTT X	59522	MEDEMAR G	68932	MEGURO M	71644	MEIER N	37063
MCPHILL T	55475	MCNUTT Y	59522	MEDECALF D G	71644	MEGURO R	9704	MEIER P	3219
MCPHILL W	55046	MCNUTT Z	59522	MEDECALF J C	92206	MEGYRI V	63486	MEIER R	4969
MCPHILL A	68505	MCNUTT A	59522	MEDEIROS A M DE	101814	MEHEDINTI V	9918	MEIER S	77006
	99948	MCNUTT B	59522	MEDEIROS M D O C	84222	MEHERIUK M	50391	MEIER W	79321
MCPHILL S	6105	MCNUTT C	59522	MEDEIROS R D	3630	MEHL S	56194	MEIER & LEMGO K	97881
MCPHILL T	38599	MCNUTT D	59522	MEDEIROS S	82241	MEHLN	66511	MEIGH D F	107374
MCPHILL W R	82793	MCNUTT E	59522	MEDEIROS T	81508	MEHLN R	11386	MEIHUIZEN S W	85363
MCPHILL D A	62852	MCNUTT F	59522	MEDEIROS U	54474	MEHLN S	16019	MEIJROOM P W	66024
MCPHILL N D	7776	MCNUTT G	59522	MEDEIROS V	54132	MEHLN V C	48586	MEIJER A	95716
MCPHILL R	5954	MCNUTT H	59522	MEDEIROS W	90687	MEHLN A	87863	MEIJER G J A	73403
MCPHILL S	34001	MCNUTT I	59522	MEDEIROS X	7779	MEHLN B	25869	MEIJER J	76484
MCPHILL V	78860	MCNUTT J	59522	MEDEIROS Y	69723	MEHLN C	53948	MEIJER J C M	55179
MCPHILL W	6753	MCNUTT K	59522	MEDEIROS Z	11924	MEHLN D	95984	MEIJER W	17745
MCPHILL A D	43670	MCNUTT L	59522	MEDEIROS A	64308	MEHLN E	106353	MEIJERING O	26873
MCPHILL C P	12900	MCNUTT M	59522	MEDEIROS B	63652	MEHLN F	101740	MEIJERINK W E	45470
	54091	MCNUTT N	59522	MEDEIROS C	89575	MEHLN G	101742	MEIJERS C P	50730
MCPHILL D	8346	MCNUTT O	59522	MEDEIROS D	16818	MEHLN H	54430		16036
MCPHILL E	78046	MCNUTT P	59522	MEDEIROS E	35805	MEHLN I	85730	MEIJERS P	19039
MCPHILL F	98296	MCNUTT Q	59522	MEDEIROS F	31506	MEHLN J	89290	MEIJNEKE C A R	74711
MCPHILL G	76365	MCNUTT R	59522	MEDEIROS G	60389	MEHLN K	25776		9083
MCPHILL H	100330	MCNUTT S	59522	MEDEIROS H	9472	MEHLN L	54132	MEIKLE R D	37471
MCPHILL I	46302	MCNUTT T	59522	MEDEIROS I	48268	MEHLN M	85981	MEIKLE R W	79600
MCPHILL J	84777	MCNUTT U	59522	MEDEIROS J	36885	MEHLN N	3033	MEIKLE A	80359
MCPHILL K	40839	MCNUTT V	59522	MEDEIROS K	60209	MEHLN O	82236	MEILLAND A	10876
MCPHILL L	73203	MCNUTT W	59522	MEDEIROS L	11186	MEHLN P	6562	MEILLON B DE	73891
MCPHILL M	50789	MCNUTT X	59522	MEDEIROS M	16515	MEHLN Q	62312	MEILUS P	3476
MCPHILL N	79165	MCNUTT Y	59522	MEDEIROS N	41482	MEHLN R	103786	MEIMBERG P	26290
MCPHILL O	79166	MCNUTT Z	59522	MEDEIROS P	14184	MEHLN S	107224		26291
MCPHILL P	86384	MCNUTT A	59522	MEDEIROS Q	11941	MEHLN T	27587	MEIN G A	95787
MCPHILL Q	20911	MCNUTT B	59522	MEDEIROS R	68834	MEHLN U	67738	MEINANDER M	95647
MCPHILL R	83171	MCNUTT C	59522	MEDEIROS S	68916	MEHLN V	89184		106147
MCPHILL S	108738	MCNUTT D	59522	MEDEIROS T	55313	MEHLN W	27563	MEINCKE K	84331
MCPHILL T	11441	MCNUTT E	59522	MEDEIROS U	45978	MEHLN X	58430	MEINECKE G	58750
MCPHILL U	79314	MCNUTT F	59522	MEDEIROS V	106512	MEHLN Y	9473	MEINEL A	66816
MCPHILL V	104010	MCNUTT G	59522	MEDEIROS W	86867	MEHLN Z	37728	MEINERS J P	37317
MCPHILL W	69656	MCNUTT H	59522	MEDEIROS X	41516	MEHRA K L	24846	MEINERSHAGEN W A	52481
MCPHILL X	55972	MCNUTT I	59522	MEDEIROS Y	62120	MEHRA P N	41106	MEINER VAN	131667
MCPHILL Y	57012	MCNUTT J	59522	MEDEIROS Z	2386	MEHRAN M	41107	MEINHOLD K	67166
MCPHILL Z	75428	MCNUTT K	59522	MEDEIROS A	29746	MEHRDORF J	84764		108527
	76787	MCNUTT L	59522	MEDEIROS B	80610	MEHREN C L	44001	MEINL E	108710
MCPHILL A	108195	MCNUTT M	59522	MEDEIROS C		MEHREN G	27310	MEINL G	65125
MCPHILL B	52949	MCNUTT N	59522	MEDEIROS D		MEHREN G L	26663	44741	48269
MCPHILL C		MCNUTT O	59522	MEDEIROS E					
MCPHILL D		MCNUTT P	59522	MEDEIROS F					
MCPHILL E		MCNUTT Q	59522	MEDEIROS G					
MCPHILL F		MCNUTT R	59522	MEDEIROS H					
MCPHILL G		MCNUTT S	59522	MEDEIROS I					
MCPHILL H		MCNUTT T	59522	MEDEIROS J					
MCPHILL I		MCNUTT U	59522	MEDEIROS K					
MCPHILL J		MCNUTT V	59522	MEDEIROS L					
MCPHILL K		MCNUTT W	59522	MEDEIROS M					
MCPHILL L		MCNUTT X	59522	MEDEIROS N					
MCPHILL M		MCNUTT Y	59522	MEDEIROS O					
MCPHILL N	</								

ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
MEINL G --CONT 88929	MELLON E F 7127 34999	MENG K Y 90022	MERCADO T I 42017	MERRETT M J--CONT 27345	ITEM 27345
MEINL J 34258	MELLON T P A 93769	MENG S W 106014	MERCER E I 58998	38639 99654	
MEINWALD J 33098 63905	MELLOR J W 7780 29713	MENG Y C 105576	MERCER E R 84929	MERRETT P 94706	
MEINWALD Y C 94919	MELLSTROM G 51885	MENGE A C 41466	MERCER F V 3191 27651	MERRIAM J R 33172	
MEINX R 38747 68748	MELNICHENKO A F 29753	MENGE H 13463 41930	27652 29535	MERRIAM L C 2881	
48724 69419	MELNICHENKO I G 26925	MENGEHIER H 96429	47709 48323 60192	12191 27007	
MEIRING P 54030	MELVICHUK V P 48867	96614	99843 100509	MERRIAM R A 2116	
MEIRLEIRE H DE 23399	MELNICK D F 45099 97354	MENGEL K 28059 38267	MERCER H D 3632	MERRICK D 6470	
52956 99424	MELNICK V L M 100339	78591	MERCER W A 54315	MERRICK J 92924	
MEISEL M N 68515	MELNIK D F 24093	MENGELE A 5683 95737	MERCER W B 86971	MERRIFIELD J 93010	
MEISER J A 85471	MELNIK M YA 91110	MENGELING W L 22970	MERCHAND L 3618	MERRIFIELD R G 21233	
MEISINGER W 67580	MELNIK N M 101985	MENGELIS A 6389	MERCHANDA W C 47278	50656 50861	
MEISSNER E 72984	MELNIK N S 101545	MENGER A 25682 34914	MERCHANT C H 25442	MERRILL A L 55002	
MEISSNER F 5868	MELNIKOV G A 78600	MENGER J W 44930	MERCHANT I A 51555	MERRILL C L 74362	
MEISSNER F W 87462	MELNIKOV N N 84474	MENGERSEN F 48725	MERCHANT V B 34581	MERRILL E P 20883	
MEISSNER K F 65251	29350 32620 63420	MENGES R M 101546	MERCHANTE A P 29754	15358	
MEISSNER L 48587	83206 105057	MENGHINI G 3850	MERCIA L S 93414	65073	
MEISTER G 93564	MELNIKOV P A 48867	MENGLE D C 4657	MERCIER J 66032	MEKRILL G 29017 101197	
MEISTER G K 8496	MELNIKOVA M K 66880	MENGSON P 57361	MERCIER R G 57361	MERRILL J L 51979	
MEISTER K 21338	MELNIKOVA N I 49635	MENHINICK E F 5046	MERCIER S 88625	MERRILL J S 4970	
MEISTER R T 6796	MELNIKOVA N DE 73588	MENITSKII YU L 83329	MERCIS S 57846	MERRILL L G 17131	
15906 107283	MELN M L DE 66659	27565	40014 49731	MERRILL L H 22587	
MEIXNER A 77007	MELN-CIFENTES D 41527	40899	MERCIS S 50030	MERRILL R M 109148	
MEJBAUM-KATZENEL- 55319	MELN-CIFUENTES D 41574	MENK L W 34580	MERCK-LUENGO J G 99425	MERRILL S 38269	
LENBOGEN	MELON K A 29556	MENKART J 25140 53412	MERCKENS G 70580	MERRILL T A 69706	
MEJIA J A 29089 79689	MELOTTI G 6839	MENKE A S 33331 53412	MERCKER A E 15907	MERRILL W 40848 40849	
MEJLAND Y 29	MELROSE D R 3220	53426 95231	34675	91689 102906 102907	
MEJSTRIK V 60266	MELSA J L 76925	MENKE B 67726	MERCULIEV O 20936	103014	
MEJXNER M 24112 24117	MELTON A A 51778	MENKE G H 18330	MERCURI A J 107843	MERRIMAN G M 22225	
MEKEEL R 88062	MELTON M W 33560	MENKE K H 94784	MERCURY M 59739	103787	
MEKLENBURGAS A M 2457	MELTON R E 12043	3221	MERCZ A 6295 6296	MERRIMAN M 52260	
MEKSID D 44543	MELVILLE D R 29287	MENKINA R A 2226	34259 44202 44769	MERRITT C 2839 21079	
MEL R H DE 16337	MELVILLE F 101187	MENLIKIEV M YA 47310	74619 74620 106822	33488 81170	
MELACHOURIS N P 44373	MELVILLE J 36408 77008	MENNY J J 43056 52736	106823	4199	
96652	MELVILLE R 98767	52871 69266	MERDINGER E 89578	31779 93480	
MELACRINOS A 2548	MELVIN C F 44792 65625	MENNER E 109139	MERDIVENCI A 13321	MERRITT R H 9934	
102210	65628	MENNESSON 97431	22346 94156	MERRITT T L 82772	
MFLAMPY R M 41872	MELVIN J C E 5331	MENNICKE U 54614	MERE R M 43287	MERROW S B 44770 98370	
104813	MELVIN R E 102278	MENNIGER 96615	MEREDITH A A 16354	MERRY C A F 52872	
MELANDER A L 57234	MELZER E 70917 71037	MENNINGER 6447	MEREDITH D 28999	MERRY D H 25212	
MELANDER Y 14648	71038	MENNINGER E A 1868	MEREDITH D S 391	MERRY D M E 73212	
MELBY B A 17407	MELZER E W 2838 21294	37106 90433 98930	34815 47312 88538	MERSCHROTH H 5869	
MELCHAKOVA E D 36488	50886 78639	MENNINGER E D 27567	88785	MERSEREAU J D 18031	
MELCHANOV V A 102819	MELZER H 77269	101327	MEREDITH J F 107963	78802	
MELCHERT H 8460	MELZER M 63055	52944	MEREDITH P 34915 107530	MERSEREAU J P 38426	
MELCHERT T E 88346	MEMELINK G 50620	7300	69622	11401	
MELCHIOR G H 48270	MEMMOTT H L 16464	MENON M C G 5133	51200	49864 70435	
MELDRUM G K 12659	MEMMOTT A M 10396 107161	MENON M G R 14852 106015	69307	2409	
13078	100889 100890 92402	50092	70708	MERTA E 24922	
MELEGHI E 96651	MENON G N 90573	6293 24680	51423	MERTEN 60945	
MELKHOF I S 71152	MEN H C 87144	24681 24682	102067	MERTEN D 44931	
MELN K 30502	MENABDE V L 27729	MENON D R 91762	91867	MERTENS C G A 56941	
MELNDEZ-GONZALES 39624	36492	59525	50062	MERTENS H 54848 85607	
P	MENAPACE G 11559	64981	20150	6646	
MELENDY H 82125	MENAR R C 93299	59525	50537	6648	
MELENEVA E V 102074	MENASCE I 52621 104387	91762	80869	MERTIN B 27283	
MELENEY W P 5224	MENCH M L 103608	9597	54998	MERTINS S 100828	
73153 63131 83238	MENCHACA E S 41969	MENON P M 91762	36365	MERTON L R 89228	
MELETTI P 38266 48271	42016	MENON R 14751 67851	16819	MERTSEIDIN R 74030	
MELGAR S E 71832	MENCHU J F 44198 44199	MENON T A G 20701	48781	MERTZ D 26782 69267	
MELHEM T 58300	44200 96303 101619	MENON T S 98297	79238	MERTZ D II 73595	
MELICHAR B 42513 73078	106818 106819 106820	MENON T U 28442	39523	MERTZ E T 85986 89291	
MELICHAR J 81353	106821	MENON U K 31250	56752	MERTZ H N 17320	
MELIK-SARKISYAN S 19159	MENDALL S 59641 79517	MENON V K 17551 67727	21295	MERVA G E 39710	
S 48573	MENDE G 13533	67742	68933	MERVART J 2731 21417	
MELIKSETYAN S 21881	MENDEL E W 104691	6507	102692	MERWE G G VAN DER 94761	
MELIKSETYAN S G 13079	MENDEL G 27458	53889	102740	103058	
MELIKYAN A P 78162	MENDEL G J 89323	9920	103058	MERWIN E J 85683 107305	
78203	MENDEL K 88624	47134	108711	MERWIN R T 75028	
MELIN E 28058 39790	MENDEL V E 32381 104729	24921	83992	MERWIN N C 69420	
MELIN F 11348	MENDELSON M A 86402	63274	19040	MERMULLER H 17609	
MELIN J 7116	MENDELSON M 67441	63296 63338	89373	36727 46888	
MELIS A 14197 23079	MENDELSSOHN H 42417	24951	70747	MERZ J H 65782	
57324	MENDES A T 56094	91866 93784	62080	MERZ R W 102829	
MELIS F A 49226	MENDES C T 67598	105444	62122	MERZARI A H 49307	
MELIS G 14233	MENDES E J 26779 43008	47311	71369	70376	
MELIS L O 59843	MENDES F DOS S 40238	10153	32724	MERZLAYA G E 80616	
MELIS M 26223	MENDES J A 97236	53949	21695	MERZLYAKOV YA P 53775	
MELKERUD H 88018	MENDES O T 56464	57750	83438	MESA A 73854	
MELKUMOVA T A 80113	MENDEZ 66355	50296	81749	MESA SALAZAR J 21882	
MELKUMYAN I S 26778	MENDEZ J 20382	13954	M	MESAROS E 42279 42294	
MELL B D 72985	MENDEZ R 3186	51679	MERINOVA G L 68689	MESCAL A 13432	
MELL R 84161	MENDEZ-GOMEZ J I 98365	68516	MERITE B 49589	MESCH J 28472 37587	
MELLADO L 48272	MENDIETA M J R 92002	103280	49589	38784	
MELLANBY K 27422	MENDIOLA L 38591	60499	13060	MESCHERS A 107129	
MELLBIN T 44328	MENDIS E G 77778	49697	60273	MESDAG J 10355	
MELLEN W J 72560 93038	MENDIZABAL O L 96546	89577	73307	MESDAG R U 50094	
93298 104386	8721	6004	47313	MESDAY J 69388	
MELLENTIN G 66817	MENDOZA B A 94016	26209	82862	MESEMER G E 45535	
MELLENTIN W M 948	MENDOZA C E 43009	34133	52175	MESGHALI A 64030 64031	
1774 39063 39064	MENDOZA G E 66660	1869	42776	MESHCHERYAKOV A I 10199	
49084 79496	MENDOZA M L 88476	39247	83562	MESHCHERYAKOV G I 58751	
MELLER A 21694 41020	MENDOZA-ARBOSA R 77973	88348	50093	MESHCHERYAKOV N E 5790	
MELLET P 75112 107160	MENDOZA-CARRO M V 71870	12660	49003	MESHCHERYAKOV V A 33649	
MELLINGER R H 30575	94016	69875	89880	MESHCHERYAKOVA I 18197	
MELLINI E 23308 52735	95059	78817	48352	V	
95056 95057	95059	18234	83288	MESHECHOK B 40611	
95059	43599	37287	6564	50888 102693	
MELLINI J 22939	22939	24338	18746	MESHKOVA G N 70581	
MELLO D 22800 31667	22939	25954	67167	MESIAS J R 29364 49504	
23080	31667	95141	92902	MESKHI A V 38270	
MELLO E J R 23093 23231	31667	84020	108196	MESKIN L H 12599	
23093	31667	104682	48588	MESLE L 22889 75645	
MELLO F A F 39965	31667	75432	4847	MESLER R J 71212	
MELLO F A F DE 39916	31667	28060	68715	MESMER E T 14076	
60443	31667	31760	73825	MESNIL C L DU 18173	
MELLO F M DE 91391	31667	72557	26424	19729	
100653	31667	60637	52344	MESNIL L P 14649 14650	
MELLO H A 39916 39965	31667	80367	24683	MESQUITA J F 89881	
MELLO J M DE 52668	31667	41898	28493	MESQUITA S P DE 66661	
MELLO R M 3631	31667	41900	102983	MESQUITELA J C 2080	
MELLO-SAMPAYO T 68422	31667	70579	43091	2081 20346 49562	
	31667	MERCADANTE G 41899	470	49563 60043 70208	
	31667	MERCADO F E 101205			
	31667	MERCADO G			



ITEM	ITEM	ITEM	ITEM	ITEM
MESQUITELA J C 70209	MEUNIER K 22458	MEYS M Q VAN DER 20885	MICHON G 13081	MIGNON J ---CONT 22160
--CONT 70210 80368	MEURAUD A 41896 75779	MEZ B 11748	31380 54613	22161 31159 41501
MESSINGER J J 104692	MEURLING M 63297	MEZ E 9923 19043	MICHURIN I V 10919 89313	72015
MESSINGER K 23082	MEURLOTT K B 39248	20151 20348 23517	MICIC D 64231	MIGUEL A DA C 107219
MESSINGER P S 5410	MEURS G J VAN 74444	46678 83175	MICKE A 100064	MIGUEL J DE 65650
43166 53413 95304	MEUSEL H 77365	1816 19771	MICKE W C 79461	MIHACEA I 91291
MESSER H 17367	MEUSEL H W 38271 48274	24285	MICKEL C E 5461 5462	MIHACEU G 28911
MESSERSMITH D H 23173	MEVES G 108433	104391	53446 95336	MIHAI G 71153
MESSERVY A 12844	MEXIA J T N 27638	88163	13462	MIHAI V 60652
MESSIAEN C M 27002	MEXSONGSEE B 52900	67581	97339	MIHAIL A 44155
57965	MEY G J W VAN DER 36459	28061	17216	MIHAIL N 31950
MESSIERI A 31379	MEYBECK J 107162	37471	31220	MIHAILESCU C 61607
MESSIKOMMER E 178	MEYER 6823 33806	12818	6499	62050 62409
MESSINA U 5971	84245	37729	74762	MIHAILESCU S 51233
MESSINEVA M A 76956	MEYER A 17468 19832	37730	88164	65336
MESSINGER H B 15391	MEYER AREVALO C 63421	22001	48087	MIHAILOV N L 79550
MESSOW C 3222 62268	MEYER B 21883	27297	43869	MIHAILOVA P 88786
93820	MEYER B H 35110	28062	80066	MIHAILOVIC J LJ 19046
MESTER A K 99041	MEYER C H 12828	52669	102112	MIHAILOVIC M L 100654
MESTER I M 11619 20702	MEYER C O 96369 96370	93785	103958	MIHAILOVIC S 56300
58752	MEYER D 46939	12400	74970	62181
MESTRE ARTIGAS C 64982	MEYER D E 57614 57671	59004	30634	63075
MESTRE B L 44203	MEYER E 45974	35172	61341	95820
MESTRE J C 89172	MEYER E W 3701 86273	65217	64280	MIHAL P 20997
MESTRE J P 59735	MEYER F 2661 80870	54727	42514	MIHALACHE L 893
MESTRE-ARTIGAS C 24684	MEYER F G 8722 20347	42820	42514	MIHALCEA C 33561
MESTROVIC S 81063	MEYER F H 2227 89581	22825	43145 95142	MIHALEA A 1092
MESYATSEV A S 82750	MEYER F J 684	86596	7018	MIHALY M 103088
MESZAROS H M 68934	MEYER F K 46948	9474	52623	MIHALYFALVI I 60638
MESZAROS I 62004	MEYER G 40512 54226	39008	30950	MIHALYFALVY I 20795
MESZAROS J 82975 103281	MEYER H 4540 5684	23085	32515	20887 38909
104389 104390	MEYER H 11990 11991 12027	685	12059	MIHALYI F 98590
MESZAROS M H 104389 19041	12028 13080 22288	89820	90963	MIHANOVIC B 68171
28801 89579	33764 34334 42137	27730	93301	MIHARA S A 78966
MESZAROS S 72206	43703 46889 52456	90961	98298	MIHATA K 45467
MESZES G 19596	60993 62313 65074	51280	1761	MIHATSC H 27945
MESZOLY D 79086	66093 89413 91592	59321	33293	MIHELIC F 14465 14466
MESZOLY GY 6716 25314	MEYER H E W 31779	103282	2394	33065 42937 94723
79601	MEYER H F 92498	57907	41400	94762 105577 105578
METAXA G 1801 19889	MEYER H L 12409 51294	75646	89882	MIHOLIC G 21693
METCALF A 16585	MEYER J 18529 30451	98168	77038	MIHUT L 93711
METCALF C R 89107	MEYER J L 37339 50804 71309	49808	38273	MIJUSKOVIC M 57966
METCALF L J 17538	MEYER J R 88925 89173 94651	12029	15908	99102 101547
METCALF M E 91706	101122 106656	12264 12286 12287	15909	69697 69698
METCALF R L 23083	MEYER J A 57732 69268	12288 51351	19044	MIKA A 69697 69698
23084 23137 42418	MEYER J H 77759 87811	25340	38274	69699
42481 52705 73097	12512 12877	87928	17747	MIKAEL JAN I I 75646
73869 83174 83507	31145 33418 52401	88038	70211	MIKAILOV M A 2082
83520	63048 72033 72512	1871	69421	MIKALAIKEVICIUS V 27195
METCALFE C R 98768	82055 82768 103142	79617	60145	MIKALAJUNAS J 5791
METCALFE J 82838	106016	51980	89583	MIKAMI M 10253
METCALFE J R 18004	MEYER J L 90817	8602	84930	MIKAMI O 66662
52873	MEYER J R 812 9584	19455	86518	MIKAMI T 15846
16167	MEYER K 23232 69486	107605	40383	MIKE E M 57095
METELSKI K 45053	MEYER K A 98063	82370	91415	MIKELADZE I A 57672
METELSKII F I 29755	MEYER K F 24530 109062	21672	20886	MIKELSON E 10947
METIANU M J S 13651	MEYER L D 60717 70826	4901	102128	MIKESELL R F 8257
METIVIER J 58572	MEYER M E 91347	51087	29625	MIKESH V 54227 57096
METIVIER M 21022	MEYER M K P 61830	7483	45297	MIKHAILCHENKO I A 94652
METIVIER S 89580	MEYER M P 30257 40551	33654 55897	35807	MIKHAILENKO A L 51369
METLITSKII O Z 68326	MEYER M R 50668 88162	87041	87198	MIKHAILENKO E 74030
METLITSKY L V 6914	MEYER M W 76601	84332	43839	97432
METRAK C 61416	MEYER N L 80073	84333	3224	MIKHAILENKO M M 102523
METRAUX A 98114	MEYER P S 86522	45432	72346	MIKHAILENKO P P 76163
METRO A 50731	MEYER R 15124 34771	38908	3633	MIKHAILIN A D 80760
METS K 47215	MEYER R C 52622 93863	68636	61706	MIKHAILIN N V 35555
METS L 101864	MEYER R E 104195	4275	19045	MIKHAILOV A N 65926
METSCHL N 32988 33173	MEYER R H 52954 77569	42092 106221	38275	MIKHAILOV G 7884
METSON A J 103649	MEYER S P 86522	45022	19364	MIKHAILOV I S 11413
METTAVANT F 25579	MEYER T 36874	89174	67728	MIKHAILOV M 33562
METTE H J 12403 61417	MEYER U 100344	20827	71039	MIKHAILOV N 39903
METTLER J J 103883	MEYER V 66305	18591	71195	MIKHAILOV N N 21020
METTMANN F 43792	MEYER V H 52373	27568	74221	MIKHAILOV N P 103367
METWALLY S Y 60082	MEYER V M 5917 64610	82620	7725	MIKHAILOV S 13702
METZ G 11913	MEYER W B 45752 86613	67344	2961	97491
METZ H 40511	MEYER W P 96036	MICHEL F 67344	32214	102867
METZ J F 66304	MEYER-BURCKHARDT M 27238	MICHEL F W 67096	56444	MIKHAILOV YU P 70992
METZ K 83110	MEYER-ZU-SCHLOCH- 15452	MICHEL G 4565 32488	13082	MIKHAILOVA A M 100341
METZ R 77815	TERN F J 15452	48528 95185 104189	41668	MIKHAILOVA G R 68519
METZ R W 380	MEYER-HOLZ G W 104892	MICHEL J F 51556	99426	MIKHAILOVA L N 75559
METZDORF H 34065	MEYERS C P 9922	MICHEL R 104152	64670	MIKHAILOVA P 1093
METZDORF H J 96119	MEYERS H L 105029	MICHELBAKER A E 83638	90539	MIKHAILOVA S A 89930
METZEN E J 97628	MEYERS M 8256	MICHELETTI-DE-ZE- 78190	99427	MIKHAILOVA Z I 107163
METZENBERG R L 1383	MEYERS S P 68517	MICHEL E 14752 18591	67578	MIKHAILOVSKII N M 15160
19363 100711	MEYERS T 6062	MICHELETTI B 30949	99206	MIKHAILOVSKII O I 28422
METZENTHIN W 43470	MEYERS W H 67585	MICHEL F 21884	99207	MIKHALEVA E N 48195
95941	MEYKNECHT E A M 3477	MICHELIS I DE 76031	56651	MIKHAYLOV N 53040
METZGER B 29196 29234	MEYLAENDER M 47770	MICHELL J N 23086	78734	MIKHAYLOV N 70486
METZGER B M 29288	54105	MICHEL S K M 3322	38276	MIKHEVA V S 16712
METZGER H B 24113	MEYER-ZU-SCHLOCH- 15452	MICHELSEN A 23617	38277	MIKHSON O A 49229
54635	TERN F J 15452	MICHELSEN D O 3478	22761	MIKHIN S D 61150
METZGER J 7317	MEYER-ZU-SCHLOCH- 15452	MICHELSON L F 38272	28954	MIKHNOVSKII D K 22762
METZGER R J 99390	TERN F J 15452	MICHELSTEIN J 6886	26664	MIKHOV A 29090 29091
METZLER D F 80617	MEYERHOLZ G W 104892	MICHENER C D 4971	56914	29092 38593 101420
METZLER D M 65446	MEYERS C P 9922	14825 14826 23797	88197	MIKI E 28494
METZLER E A 44605	MEYERS H L 105029	32953 33018 73759	44326	MIKI S 19196 37917
METZLER G F 73918	MEYERS M 8256	73764 95335	90959	46744
97882 108925	MEYERS S P 68517	MICET B 56801	71370	99953
66818	MEYERS T 6062	MICHEV B 102694	11371	MIKKELSEN D D 60611
METZNER H 10226 48273	MEYERS W H 67585	MICHEM M 41528	58844	MIKKELSEN D S 9706
57461 79012	MEYKNECHT E A M 3477	MICHI K 97237	33755	11560 80369 101998
2700	MEYLAENDER M 47770	MICHIE M D 78085	11414	MIKKELSEN J C 39249
METZNER R 101234	54105	MICHIE R I C 6649	12555	MIKKELSEN K 38749
MEUCCI L 92207	MEYNADIER G 106057	6650 65283	76260	MIKKELSEN V M 36652
MEUDERSCHIED O 67168	MEYNHARDT J T 19042	46061 87271	85684	MIKLASZEWSKI S 59990
MEUR A 108192	MEYRAN J 17746 57615	MICHIELI I 35662	4124	MIKLE S 72240
MEULEN A VAN DER 96368	88349	MICHNA A 23881	22549 104380	MIKLOSI L 59844
MEULEN G S A VAN 33417	48275	MICHNA K 51852	32907	MIKLOVICH M 13788
DER 59039	MEYRATH J 48250 100329 100340	MICHNIEWICZ M 78641	41137	41231 104392 105116
MEULEN H VAN DER 50019	MEYRICK E 84126 95054	89582	51325	MIKLUSICKAR R 52592
MEULENBELT H H 50019	MEYRUEY M H 19298	14548	69162	MIKOLA I 40239
MEUNIER E P 39610		MICHON F 46098	65729	MIKOLA J 16096 65688
			21749	20490 28064

ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
MIKOLA P --CONT 49809	MILJUS N 8467	MILLER L K 72688	MILLS M R 55588	MINDERMAN G 2267	ITEM 2267
60844 70377 109140	MILKO E S 9925	MILLER L N 3635	MILLS S C 22838	MINDHAM P B 11350	11350
MIKOLAJCZAK E M 6382	MILKOVA Z A 26270	MILLER L P 78617	MILLS T 8258	MINE I 18393	18393
65075 106914	MILKOVIC I 50297	MILLER L W 5406	MILLS W C 55725	MINE K 30218	30218
MIKOLAJCZAK K L 7302	MILKOVICH G 80370	MILLER M 8172	MILLS W D 107311	MINEO G 64766	64766
MIKOLAJCZYK J 27731	MILKOVICS L 65371	MILLER M D 11560	MILLS W R 39382	MINEO Y 33416	33416
MIKOLAJEWICZ T 47354	MILKOVSKI I 28576	19571 19681	MILLSON G C 13412	MINER B B 37877	37877
MIKSCHIK E 66306	MILL P J 106141	69369 79220	41614 42198	MINER B D 6221	6221
MIKSELJAN I I 85134	MILLA C 31686	MILLER M E 67122	MILLSPAUGH D D 57294	MINER D 42631	42631
MIKSIC R 43010	MILLAR A 61831	MILLER M F 34744	MILNE A 73119	MINER J T 1750	1750
MIKSIC S 43325	MILLAR A A 21800	MILLER M H 11288	MILNE A A 38938	MINER M L 3583	3583
MIKSIEWICZ M 52874	MILLAR B D 48276	MILLER M J 83207	MILNE A T 40900	22675 30951	62241
52983 52984	MILLAR C S 9017	MILLER M M 37605	MILNE D L 14244	62374 63132	103776
MIKULEC K 42036	MILLAR E A 37605	MILLER M P 289	MILNE F J 82434	MINER R G 73099	73099
MIKULICEK L 24201	MILLAR K R 42516	54952 68707	MILNE F N J 22552	MINER R H 87866	87866
MIKULIK J 84542	MILLARD E W M 87763	MILLER M T 9422	45820 72689	MINER W M 27239	27239
MIKULSKA E 100666	MILLE L 55724	MILLER M W 9422	57126 57127	MINERBI G 290	290
MIKULSKA I 33066	MILLECAN A A 77570	MILLER N 104014	MILNE L J 53145	MINETA M 9540	9540
MIKULSKA-MACHETA A 92885	MILLEMANN R E 61024	MILLER N J 83639	MILNE M J 53145	MINEV H 103195	104632
MIKULSKAYA S A 100275	MILLENDER A 102520	MILLER N K 99103	MILNE S 33499	MINEVICH F N 26096	26096
MILA C 92486	MILLER 65927	MILLER O L 9476	MILNE W R 84639	MINGES P A 6840	10948
MILAD N E 60176	MILLER A 44771	MILLER P 26384	MILNE-REDHEAD H 36728	20152 39383	40018
MILAIRE H 47314	MILLER A C 25213	MILLER P A 9598	MILNER C K 13445	MINING G 65499	65499
52913 58049	MILLER A L 30576	69488 76164	MILNER H W 58754	MINGLE C K 51557	72242
99208 99428	MILLER A R 25684	MILLER P L 53414	MILNER J B 108612	MINHAS A S 59250	59250
MILANESE G 6833	MILLER A T 52737	84223 106142	MILNER M 7019	MINHAS S A S 38771	38771
MILANI R 13955	MILLER A W D 2045	106142 106143	MILNER R 34144	MINI P D 51471	51471
MILANOV B 102093	MILLER B 93114	28065 48277	MILNOR A J 17363	MINIBAEV R G 89025	89025
MILANOV M 72991	MILLER B F 45233	58125 59913	MILOJEVIC B D 73404	MINIERI L 31905	103546
93633 104820	MILLER B S 25570	68937 12153	73405 73406	MININ M 104282	104282
MILANOV T 101668	MILLER C 107486	47315 47315	MILOJEVIC Z 54953	MININ M 108197	108197
MILANOVIC S 14268	MILLER C D 11070	53650 67201	MILOS M 91839	MININA E G 19050	19050
MILANOVIC V 87773	MILLER C E 18593	78930 19048	MILOSERDOV N M 102821	MININA E I 78642	78642
MILATOVIC I 9084	MILLER C J 104195	17301 73001	MILSESCU P 75549	MINKEMA D 3391	3391
MILATOVIC L 4897	MILLER C L 65498	57967 29289	MILSEV B 3660	MINKOVICH I I 26953	26953
MILBORROW B V 75433	MILLER C S 878	24772 54475	MILSOZ M 27033	MINKOVICH I I 27198	27198
MILBOURN G M 20704	MILLER D A 9475	62005 103789	MILSTAD K L 15441	MINKISCHAK H 56196	56196
MILBRANDT A C 20543	MILLER D C 83869	60445 60445	MILSTEIN P L 12790	MINKOV I 29093	29140
MILBRATH J A 9234	MILLER D D 41529	65929 60445	MILSTEIN P L S 36409	50738 68939	81151
9235 37462	MILLER D E 1967	61311 14753	MILTOV N M 36657	MINKOV S G 94549	94549
MILBURN M 90434	MILLER D G 20888	48278 94158	MILOVANKIC M 54954	MINNAARD W 19833	19833
MILBURN N 53539	MILLER D J 41167	107969 22434	MILOVANOV V K 99037	MINNE J A 103886	103886
MILBY T H 105031	MILLER D L 41907	51355 71768	MILOVANOVIC D 31098	MINNICK E 97991	97991
MILCHEV M 40601	MILLER D M 89585	91690 91690	MILOVANOVIC M 27159	MINNICK K C 32309	32309
MILCHEVA M 40016	MILLER D S 76860	62723 75477	MILSTEIN P L S 36409	MINO K 15617	15617
MILDENBERGER G 37731	MILLER D S 98339	75477 89585	MILTENBURG H J M 95738	MINOCCHERI F 82239	82239
MILDOGAARD P 108295	MILLER D S 98340	89585 97164	MILTHERS A 36093	81747 82176	93584
MILNER P 68171	MILLER E A 7147	98340 98341	MILTHERS K 107070	MINOCHA H C 103799	103799
MILEK E 3225	MILLER E B 21885	98341 98342	MILTHORPE F L 9949	MINOIU N 18201	18201
MILELLA A 19797	MILLER E C 13463	98342 98343	68938 68938	MINOR B 11561	11561
MILENKO YA F 101158	MILLER E H 39849	98343 98344	MILTIMORE J E 70577	MINOR J C 71533	71533
MILENKOVIC M 3788	MILLER E L 27331	98344 98345	82237 82237	MINSHALL W H 78643	78643
MILENKOVIC T 56095	MILLER E R 13773	16256 75660	MILTON J 14276	MINSKI J 75435	75435
MILENKOVIC T C 56096	MILLER F 45482	76663 82027	MILTON R F 91416	MINSON D J 15197	15340
MILER K 7570	86614 102051	82027 95932	MILUM V G 8358	95905 106498	39431
MILER Z 81613	96304 19047	95932 95932	MILUNOVIC M 62181	MINTER D J 39430	39431
MILES B J 85020	MILLER F J 19047	95932 95932	MILVIDAS K 44412	MINTER D M 33174	33174
MILES D G 58753	MILLER G D 6538	95932 95932	MILWARD J G 17342	MINTER E S G 17264	17264
MILES E T 90596	MILLER G F 82767	95932 95932	MIMATA S 28544	MINTER H F 86402	86402
MILES G P L 11856	MILLER G K 13381	95932 95932	MIMAUD J 47361	MINTER K W 37588	37588
MILES H B 11349	MILLER G P 31951	95932 95932	77573 77573	MINTO A L 12381	61478
MILES H W 63670	MILLER G R 686	95932 95932	MIMINOSHVILI P B 106316	MINTON W H 87042	87042
MILES J A R 4754	MILLER H Y 65928	95932 95932	MIMTOGLU M 92734	MINTZ S W 26978	106621
53374 94157	MILLER I 85312	95932 95932	40782 40782	MINUTILLI F 7303	7303
24893 86362	MILLER J 20806	95932 95932	13347 13347	MINUTO S 21886	21886
108030 42610	MILLER J B 2559	95932 95932	38278 38278	MINYAD J A 81917	81917
MILES J R 73719	MILLER J C 37999	95932 95932	78717 78717	MINYAEV N A 88232	88232
MILES P W 75116	55493 55494	95932 95932	48589 48589	MINYAILENKO I S 40587	40587
MILES S H 82137	48869 48869	95932 95932	82580 82580	MINYARD J A 12798	12798
MILES V 50914	59953 59953	95932 95932	89292 89292	12850 51840	82330
MILES W 30702	90660 90660	95932 95932	81312 81312	MINYARD J D 34582	34582
71288 103017	44529 44529	95932 95932	54849 54849	85622 107164	107164
MILES W R 50939	89513 89513	95932 95932	2628 2628	MINYARD J P 25089	25089
MILESCU I 2773	104910 104910	95932 95932	3074 3074	MINZ G 68327	68327
MILESHKO A F 69754	10471 10471	95932 95932	44204 44204	MIOBRAGOVIC Z 62353	62353
MILESI O 15749	55651 55651	95932 95932	41042 41042	MIORI G P 6171	6171
54669 65173	65928 65928	95932 95932	1097 1097	MIOULA D 5870	24114
MILETIC M 56652	MILLER J I 92208	95932 95932	58175 58175	24183 24183	24183
MILETIC Z 60909	MILLER J J 86682	95932 95932	9085 9085	MIOYA H 75328	75328
MILEV V 38172	3634 3634	95932 95932	77760 77760	MIR R M 90357	90357
MILEWSKA H 77927	62314 62314	95932 95932	100659 100659	MIR RAGUE R M 50298	50298
MILEWSKI A 2944	59944 59944	95932 95932	105740 105740	MIR-COMAS R M 109165	109165
MILEWSKI Z 34763	90660 90660	95932 95932	108940 108940	MIRA F 81137	81137
MILEY N 91124	44529 44529	95932 95932	26177 26177	MIRACLE M P 7604	7604
MILEY W N 60310	89513 89513	95932 95932	70582 70582	MIRAJGAKKER A G 50299	50299
MILFORD G F 39524	11055 11055	95932 95932	32215 32215	MIRALLES-CAPUZ C 51425	51425
MILHAU J 16713	48277 48277	95932 95932	67963 67963	MIRANDA F G 64949	64949
MILHORAT A T 32119	79835 79835	95932 95932	85136 85136	MIRANDA H DE 1137	1137
MILICA C I 89584	92208 92208	95932 95932	22551 22551	MIRANDA J 96049	96049
MILICI V 31393	99954 99954	95932 95932	1305 1305	MIRANDA J P DE 90303	90303
MILIGI A K 68758	13085 13085	95932 95932	99591 99591	MIRANDA M S 13427	13427
MILIKEN A S 102328	62315 62315	95932 95932	90435 90435	MIRANDA R L E 87043	87043
MILINKO I 27343	82146 82146	95932 95932	21488 21488	MIRANDA V B 70583	70583
MILINSKY H C 62519	108127 108127	95932 95932	90038 90038	MIRANDA-DE-ONIS J 38910	38910
MILIO G 62802	60444 60444	95932 95932	73530 73530	38911 39384	39385
MILIRUD B T 75850	75434 75434	95932 95932	71916 71916	MIRANDA-SIRAGUSA F 46593	46593
MILISAVLJEVIC D 74621	17811 17811	95932 95932	93111 93111	46548 46548	46548
MILITESCUL 11673	41968 41968	95932 95932	24531 24531	96810 96810	96810
MILITIU I 1773	25163 25163	95932 95932	82093 82093	21234 21234	21234
MILIOS H C 27732	99209 99209	95932 95932	52849 52849	40412 40412	40412
MILJKOVIC N 29454	60421 60421	95932 95932	33152 33152	27423 27423	27423
MILJKOVIC N S 20544	79602 79602	95932 95932	1152 1152	83964 83964	83964
MILJKOVIC V 92733	95484 95484	95932 95932	15193 15193	15545 15545	15545



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
MIRCHAMSY H--CONT 82455	82456	MISRA A K 30625	40959	MITCHELL T J 65777	MIU C Y 102199
MIRCHANDANI T J 29756	31381	MISRA A P 18177	18594	MITCHELL W 21213	MIURA A 5361
MIRCHEV S 31381	25499	MISRA B 18022	26085	MITCHELL W D 106969	MIURA H 6749
MIRIDITA L 72640	5181	MISRA B 42029	93302	MITCHELL W G 87463	MIURA K I 75317
MIRE P B DE 31275	31894	MISRA B 93302	108066	MITCHELL W L 18331	MIURA S 22972
MIREA D 32249	95337	MISRA B N 68940	108067	MITCHELL-INNES B A 68942	MIURA T 18331
MIREK J 79960	13473	MISRA D C 108859	68940	MITCHENER A V 46627	MIURA Y 105491
MIREMADI A 13473	28066	MISRA D K 59360	100829	MITCHERLICH G 1096	MIUSOV I N 27210
MIRIANASHVILI V V 28066	87044	MISRA D P 9086	9087	MITCHERLICH J M 27569	MIWA M 35457
MIRIC M O 33655	100989	MISRA D P 9109	47318	MITEV D 101620	MIWA T K 26298
MIRIC S R 28066	28067	MISRA G N 90235	90235	MITEV M 33563	MIWATANI T 68902
MIRIMANOV A S 100989	11414	MISRA J N 84224	84224	MITIC N 56646	MIX M 27491
MIRKHASHIMOV S 28067	74446	MISRA M D 59128	59128	MITIC S 76314	MIXNER J P 3411
MIRKIN B M 567	74446	MISRA M S 71917	92232	MITICH L W 20284	41450
MIRNA A 25126	65304	MISRA N D 25215	25215	MITICH L W 46891	49465
MIRO P 44481	44482	MISRA P C 218	218	MITICHKIN G S 51259	51259
MIRO-ESPLUGAS M 96305	107165	MISRA R C 86292	86292	MITITELU C 51259	51259
MIRO N K F 71268	96305	MISRA S G 11273	11273	MITITELU C 51259	51259
MIRON K F 9928	9928	MISRA S K 63422	80047	MITITELU C 51259	51259
MIRONENKO A V 10227	59087	MISRA S L 18388	18388	MITITELU C 51259	51259
MIRONOV A A 15162	50621	MISRO B 19542	19542	MITITELU C 51259	51259
MIRONOV I A 50621	34536	MISSANTE G 80181	80181	MITITELU C 51259	51259
MIRONOV K M 34536	38524	MISSBACH K 12162	12162	MITITELU C 51259	51259
MIRONOVA D 38524	85523	MISSG S 84334	84334	MITITELU C 51259	51259
MIROSHNICHENKO I 85523	48870	MISSERI S C 76544	76544	MITITELU C 51259	51259
MIROSHNICHENKO I 48870	90165	MISSINGHAM L J 39009	39009	MITITELU C 51259	51259
MIROSHNICHENKO I 79690	90165	MISSLER M 4200	4200	MITITELU C 51259	51259
MIROSHNICHENKO M 92962	29935	MISSONNIER J 105741	105741	MITITELU C 51259	51259
MIROSHNICHENKO P 29935	5792	MISTRIC W J 14132	14132	MITITELU C 51259	51259
MIROSHNICHENKO V 63564	38842	MISTRIS A 40413	40413	MITITELU C 51259	51259
MIROSHNICHENKO YU 38842	37732	MISTRY K B 48109	48109	MITITELU C 51259	51259
MIROSLAVOV E A 37732	67852	MISTRY V V 21791	21791	MITITELU C 51259	51259
MIROV N T 48590	77009	MITA M 33862	33862	MITITELU C 51259	51259
MIRRI A 61689	43143	MITACHI K 60777	60777	MITITELU C 51259	51259
MIRSA A 43143	53703	MITAL H C 16177	16177	MITITELU C 51259	51259
MIRUMYAN G 53703	90818	MITAL S P 49564	49564	MITITELU C 51259	51259
MIRZA C 90818	91126	MITAL V P 4636	4636	MITITELU C 51259	51259
MIRZAEV M M 91126	91127	MITANI K 103050	103050	MITITELU C 51259	51259
MIRZAEVA A G 73653	64261	MITANI M 54850	54850	MITITELU C 51259	51259
MIRZAYANS H 64261	49732	MITCHELL A 56468	56468	MITITELU C 51259	51259
MIRZOEV E M 49732	88110	MITCHELL A A 72605	72605	MITITELU C 51259	51259
MIRZOEVA G G 88110	81668	MITCHELL A E 48283	48283	MITITELU C 51259	51259
MIRZOEVA V A 81668	32908	MITCHELL A F 40552	40552	MITITELU C 51259	51259
MIRZOYAN S A 32908	32464	MITCHELL A G 40659	40659	MITITELU C 51259	51259
MISAIU Y 32464	37410	MITCHELL A K 7726	7726	MITITELU C 51259	51259
MISATO T 18253	77725	MITCHELL A L 20982	20982	MITITELU C 51259	51259
MISAWA J 52510	52511	MITCHELL A K 5182	5182	MITITELU C 51259	51259
MISAWA T 52510	82892	MITCHELL B A 33107	33107	MITITELU C 51259	51259
MISAWA T 390	18362	MITCHELL B A 2871	2871	MITITELU C 51259	51259
MISCH D W 5295	82426	MITCHELL B D 11245	11245	MITITELU C 51259	51259
MISCHI G 5295	68279	MITCHELL C J 25364	25364	MITITELU C 51259	51259
MISCHKE W 47522	68279	MITCHELL D 73542	73542	MITITELU C 51259	51259
MISCHLER R J 68280	77918	MITCHELL D 22971	22971	MITITELU C 51259	51259
MISDORP W 7696	46308	MITCHELL D 72960	72960	MITITELU C 51259	51259
MISEB B A 31471	3226	MITCHELL D F 33164	33164	MITITELU C 51259	51259
MISHAEVA N P 53203	100027	MITCHELL D J 85313	85313	MITITELU C 51259	51259
MISHANEC W 90538	102695	MITCHELL E 76165	76165	MITITELU C 51259	51259
MISHCHENKO B P 102695	86747	MITCHELL E R 105451	105451	MITITELU C 51259	51259
MISHEV B 86747	56466	MITCHELL F G 58836	58836	MITITELU C 51259	51259
MISHEV V 56466	56197	MITCHELL G 85810	85810	MITITELU C 51259	51259
MISHEV V G 56197	66512	MITCHELL G C 96288	96288	MITITELU C 51259	51259
MISHEVA N 66512	47552	MITCHELL G E 24360	24360	MITITELU C 51259	51259
MISHIGA S 47552	72907	MITCHELL H 82483	82483	MITITELU C 51259	51259
MISHIN A I 72907	81314	MITCHELL H F C 56560	56560	MITITELU C 51259	51259
MISHINA T 81313	81315	MITCHELL H C 63917	63917	MITITELU C 51259	51259
MISHINKINA V V 30016	17210	MITCHELL H K 1346	1346	MITITELU C 51259	51259
MISHKEL M A 17210	94297	MITCHELL H L 48584	48584	MITITELU C 51259	51259
MISHKIN F M 94297	9929	MITCHELL H L 83750	83750	MITITELU C 51259	51259
MISHNEV V G 9929	100861	MITCHELL H S 38505	38505	MITITELU C 51259	51259
MISHRA A 92003	27570	MITCHELL H W 71584	71584	MITITELU C 51259	51259
MISHRA D 27570	92209	MITCHELL H S 46456	46456	MITITELU C 51259	51259
MISHRA H R 31111	108066	MITCHELL H W 48354	48354	MITITELU C 51259	51259
MISHRA J 6383	96431	MITCHELL I W 50212	50212	MITITELU C 51259	51259
MISHRA M 96431	1506	MITCHELL I W 15306	15306	MITITELU C 51259	51259
MISHRA M D 27334	59016	MITCHELL J 16575	16575	MITITELU C 51259	51259
MISHRA M N 81572	31382	MITCHELL J B 36066	36066	MITITELU C 51259	51259
MISHRA R K 78978	34394	MITCHELL J D 46178	46178	MITITELU C 51259	51259
MISHRA S K 11622	102696	MITCHELL J H 35246	35246	MITITELU C 51259	51259
MISHUKOV N P 102696	29557	MITCHELL J P 61322	61322	MITITELU C 51259	51259
MISHUSTIN E N 29557	55320	MITCHELL J W 28050	28050	MITITELU C 51259	51259
MISHUSTINA N 49810	80119	MITCHELL K G 48284	48284	MITITELU C 51259	51259
MISHUSTINA N E 80119	78644	MITCHELL K G 22900	22900	MITITELU C 51259	51259
MISIARCZYK E 55711	56301	MITCHELL K J 100990	100990	MITITELU C 51259	51259
MISIEWICZ T 98769	98769	MITCHELL L C 24377	24377	MITITELU C 51259	51259
MISIGA S 98769	72986	MITCHELL L E 52876	52876	MITITELU C 51259	51259
MISIRI N 29414	86872	MITCHELL L R 73100	73100	MITITELU C 51259	51259
MISIUNA W 55321	56302	MITCHELL L R 102128	102128	MITITELU C 51259	51259
MISIURA W 73158	83140	MITCHELL M B 833	833	MITITELU C 51259	51259
MISKUS R 94035	83149	MITCHELL M S 37878	37878	MITITELU C 51259	51259
MISKUS R P 83149	31728	MITCHELL P T 93481	93481	MITITELU C 51259	51259
MISLIN H 1095	11197	MITCHELL R 8941	8941	MITITELU C 51259	51259
MISONO S 39651	39658	MITCHELL R G 73531	73531	MITITELU C 51259	51259
MISORIN B 39659	101669	MITCHELL R L 23393	23393	MITITELU C 51259	51259
MISRA A B 43167	74084	MITCHELL T 88941	88941	MITITELU C 51259	51259
		MITCHELL T B 90844	90844	MITITELU C 51259	51259
		MITCHELL T C 107140	107140	MITITELU C 51259	51259
		MITCHELL T C 50307	50307	MITITELU C 51259	51259
		MITCHELL T C 79504	79504	MITITELU C 51259	51259
		MITCHELL T C 90844	90844	MITITELU C 51259	51259
		MITCHELL T C 107140	107140	MITITELU C 51259	51259
		MITCHELL T C 50307	50307	MITITELU C 51259	51259
		MITCHELL T C 79504	79504	MITITELU C 51259	51259
		MITCHELL T C 90844	90844	MITITELU C 51259	51259
		MITCHELL T C 107140	107140	MITITELU C 51259	51259
		MITCHELL T C 50307	50307	MITITELU C 51259	51259
		MITCHELL T C 79504	79504	MITITELU C 51259	51259
		MITCHELL T C 90844	90844	MITITELU C 51259	51259
		MITCHELL T C 107140	107140	MITITELU C 51259	51259
		MITCHELL T C 50307	50307	MITITELU C 51259	51259
		MITCHELL T C 79504	79504	MITITELU C 51259	51259
		MITCHELL T C 90844	90844	MITITELU C 51259	51259
		MITCHELL T C 107140	107140	MITITELU C 51259	51259
		MITCHELL T C 50307	50307	MITITELU C 51259	51259
		MITCHELL T C 79504	79504	MITITELU C 51259	51259
		MITCHELL T C 90844	90844	MITITELU C 51259	51259
		MITCHELL T C 107140	107140	MITITELU C 51259	51259
		MITCHELL T C 50307	50307	MITITELU C 51259	51259
		MITCHELL T C 79504	79504	MITITELU C 51259	51259
		MITCHELL T C 90844	90844	MITITELU C 51259	51259
		MITCHELL T C 107140	107140	MITITELU C 51259	51259
		MITCHELL T C 50307	50307	MITITELU C 51259	51259
		MITCHELL T C 79504	79504	MITITELU C 51259	51259
		MITCHELL T C 90844	90844	MITITELU C 51259	51259
		MITCHELL T C 107140	107140	MITITELU C 51259	51259
		MITCHELL T C 50307	50307	MITITELU C 51259	51259
		MITCHELL T C 79504	79504	MITITELU C 51259	51259
		MITCHELL T C 90844	90844	MITITELU C 51259	51259
		MITCHELL T C 107140	107140	MITITELU C 51259	51259
		MITCHELL T C 50307	50307	MITITELU C 51259	51259
		MITCHELL T C 79504	79504	MITITELU C 51259	51259
		MITCHELL T C 90844	90844	MITITELU C 51259	51259
		MITCHELL T C 107140	107140	MITITELU C 51259	51259
		MITCHELL T C 50307	50307	MITITELU C 51259	51259
		MITCHELL T C 79504	79504	MITITELU C 51259	51259
		MITCHELL T C 90844	90844	MITITELU C 51259	51259
		MITCHELL T C 107140	107140	MITITELU C 51259	51259
		MITCHELL T C 50307	50307	MITITELU C 51259	51259
		MITCHELL T C 79504	79504	MITITELU C 51259	51259
		MITCHELL T C 90844	90844	MITITELU C 51259	51259
		MITCHELL T C 107140	107140	MITITELU C 51259	51259
		MITCHELL T C 50307	50307	MITITELU C 51259	51259
		MITCHELL T C 79504	79504	MITITELU C 51259	51259
		MITCHELL T C 90844	90844	MITITELU C 51259	51259
		MITCHELL T C 107140	107140	MITITELU C 51259	51259
		MITCHELL T C 50307	50307	MITITELU C 51259	51259
		MITCHELL T C 79504	79504	MITITELU C 51259	51259
		MITCHELL T C 90844	90844	MITITELU C 51259	51259
		MITCHELL T C 107140	107140	MITITELU C 51259	51259
		MITCHELL T C 50307	50307	MITITELU C 51259	51259
		MITCHELL T C 79504	79504	MITITELU C 51259	51259
		MITCHELL T C 90844	90844	MITITELU C 51259	51259
		MITCHELL T C 107140	107140	MITITELU C 51259	51259
		MITCHELL T C 50307	50307	MITITELU C 51259	51259
		MITCHELL T C 79504	79504	MITITELU C 51259	51259
		MITCHELL T C 90844	90844	MITITELU C 51259	51259
		MITCHELL T C 107140	107140	MITITELU C 51259	51259
		MITCHELL T C 50307	50307	MITITELU C 51259	51259
		MITCHELL T C 79504	79504	MITITELU C 51259	51259
		MITCHELL T C 90844	90844	MITITELU C 51259	51259
		MITCHELL T C 107140	107140	MITITELU C 51259	512



MOHAMED H A	ITEM 47320	MOKEEV A E	ITEM 18191	MOLLER R B ---CONT	ITEM 52877	MONLYNEUX J K	ITEM 37589	MONTGOMERY B E	ITEM 14972
MOHAMED I 89293	99431	MOKEEVA E A	18596	MOLLER S G	21147	MONNIER G 20390	40127	--CONT	43343 43371
MOHAMED I I	84745	MOKEEVA N P	67923	MOLLER T 24296	24297	MONNIER P 17752	88354	43372	43373 95682
	63565		77459	MOLLER W J 9089	88788	MONOD T	17610	MONTGOMERY D R	28353
MOHAMED M A	63566	MOKEEVA T M	37064		99433	MONONKOV M I	3392	MONTGOMERY F H	57518
MOHAMED M S	25816	MOKHACH V O	58486	MOLLER-MADSEN A	25029	MONOKIN V N	102802	MONTGOMERY G A	41447
27352 65837	27351	MOKHACHEV I G	66268	MOLLERSTROM G	18005	MONOSON H L	8596		92500 107572
	65838		74622		88684	MONOT G	85853	MONTGOMERY J E	61287
MOHAMMAD A 1041	74745	MOKHOV V	101421	MOLLETT J A	7947	MONOV M 93306	104395	MONTGOMERY J P	24066
MOHAMMAD G	7029	MOKHOVA N I	48150		36035	MONREAL D	3229	MONTGOMERY M J	72061
MOHAMMED A S	54852	MOKRA V 47321	68281	MOLLOY B P J	26783	MONREAL G 22595	52262	MONTGOMERY M L	973
MOHAN J C 10358	61642	MOKRONOSOV A T	58757	27426 49901	50379	MONREAL K	49466		28074
MOHAN K	99432		68943		99777	MONRO H A U	93991	MONTGOMERY P D	41340
MOHAN R N 16119	9477	MOKROUSOV N YA	33511	MOLLY F M	4655	MONROCO H	41097	MONTGOMERY R A	55049
MOHAN R N	107744	MOKRY J 89883	89944	MOLLY H	64557	MONROE C M	9091	MONTGOMERY R G	106458
MOHAN-RAM H J	62395	MOKSHANTSEV F P	64550	MOLNA B	15257	MONROE G	45886	MONTGOMERY R H	107832
MOHANDAS N	89176	MOL J	108434	MOLNAR A	27329	MONROE G E	15063	MONTGOMERY W G	27119
MOHANRAJ G	63641	MOL J C M	42490	MOLNAR A C	47322	MONROE L L	104791	MONTGOMERY H A	9236
MOHANTY G C	94308	MOL J J 85422	45423	MOLNAR E	105117	MONROE R J	26333		
	93638	96533	96534	MOLNAR F	100830	MONROE R L	18315	MONTI F	3639
MOHANTY J 3636	103792	MOLBERG E S	37108	MOLNAR G	44239	MONROE R S 33296	63886	MONTI G	45588 93307
MOHANTY P K	3856		91192 101549	MOLNAR I	55727	MONROE W E 28676	41478	MONTIAS J M	7605
MOHANTY S B	27570	MOLCHAN I M	48285		86873	MONROY J A VON	98535	MONTICELLI F	60446
	42018		68638	MOLNAR J 16442	62317	MONSALLIER G	4188		79518
MOHAPATRA K N	62860	MOLCHANOV A A	102584	62403 63327	72748		62843	MONTIEL I	56654
MOHAPATRA S C	104507	MOLCHANOV M I	1421	MOLNAR L	24032	MONSEES D	36582	MONTIGNY R DE	91730
MUHAM L	93638	MOLCHANOVA V A	53463	MOLNAR N	104500	MONSELISE J J	96816	MONTITSKII R I	64885
MOHTUDDIN G	12771		84115	MOLNAR P	50098	MONSELISE S P	999	MONTLAUR P	31953
MOHIYUDDIN S	93233	MOLD H P	64678	MOLNAR S	32477	27933 38111	48123	MONTLAUFERRADOU	72666
MOHLAR W G 64478	82240	MOLD J D	26347	MOLNARFI T	33966	68728 89590	90593		
MOHLE P H	84499	MOLDANAV A 6384	34335	MOLODKINA L N	93282	MONSEN K J	76993	MONTMORENCY W H	51242
MOHLENBROCK R H	20516	MOLDENHAUER W	100677	MOLODTSOV V A	40243	MONSI M 9800	28282	DE	81504
17868 36878	17748	MOLDENHAUER W C	48871	MOLOKKE J	76996	58170	68881	MONTTOYA C E	98300
57673 88350	36879	MOLDENHAUER K	60725 102282	MOLONEY J B	13280	89487	100298	MONTTOYA E L	63577
	88351	MOLDENHAWER K	61349	MOLOS M	71616	MONSON A M	28073	MONTTOYA F	96982
	99806	MOLDENKE H N	8649	MOLOT P	47323	MONSON W G	100346	MONTTRONI L	3640 13088
MOHLER K 12345	21531	87723 8724 17749		MOLOTKOVSKII YU	79014	MONSON W J	81669	51898 62514	103795
MOHLER L	35051	17750 26874		MOLOTKOVSKII YU G	9974	MONTAG A	43925		104880
MOHLER M A	3388	26875 36730 36880		28122	79015	MONTAGNE G	72244	MONTERRAT-RECOU-	100991
MOHLER M T 12920	31149	36881 46892 57617		MOLOTKOVSKY H KH	48286	MONTAGNE R	97560	ER P	
31150 41486	41487	77367 77368 77369		MOLTEI H A	7304	MONTAGNER H	33332	MONTSMAG	31507
41537 41552	51715	88352		MOLTESEN P	11749	MONTAGNINI M I	41203	MONTUORO P	74031
62141	72110	92127		MOLTZEN H 17396	31591	MONTAL T	92005	MONTUROL F	60278
MOHLMANN D	67615	MOLDOVAN C	96650	98536	109141	MONTALBANO M	58050	MONTYANOV S	103195
MOHLMANN H 3260	4566	MOLDOVAN E 23338	66821	MOLVIG T A W	85610	MONTALDI E R	38281	MONZIE P	61479
12661 103575	103793	MOLDOVAN G 56469	62410	MOMIN M A	104248	59408	20356	MONZINI A	16039
MOHN E	105743	MOLDOVEANU G	24241	MOMIYAMA Y	8725	MONTANARI V	7886	MONZON P D	28839
MOHN N	43092	MOLDOVEANU X	23051	MOMOI S 73765	73766		108298	MOODIE C D	2169 20441
MOHN P D	46309	MOLDORUP N	40842	MONOSE G	89588	MONTANER ESTEVE J	54278	MOODIE E W	82832
MOHR C D	94763	MOLE-BAJER J	9375	MONOT YA G	34679	MONTANER-ESTEVE J	35436	MOODY C D	46457
MOHR H	1102	68522 99822		MONOZAWA K	46799	35901 54044	57016	MOODY G	87464
19323 58756	86695	9405 9731		MON T R	26015	96981 97745	97746	MOODY G S	36094 98169
89140 100344		MOLEA I 9405		MON T C	89257	106824 107928	108299	MOODY J E	20796 70674
MOHR J C VAN DER	53071	MOLELLO J A	3637	MON T L	90774		109165	MOODY J P	75324 97747
		13713 63133	72155	MONACO T J	70106	MONTANES J M	107831	MOODY N	51026
MOHR J J 50796	81132	MOLEN H V D	104637	MONAGAN R	66356	MONTANNARI T	25091	MOODY R E	65651
MOHR K	16635	MOLEN H VAN DER	11563	MONAHAN R S	50539	MONTANT C 38595	48288	MOODY R W	74207
MOHR O 36494	71769	MOLENAT M 22887	32327	MONAHAN W	6797		48802	MOODY W G	86179
MOHR P J 49566	50097	MOLENDA T 50538	50622	MONAKHOVA M A	14477	MONTARULI A	50088	MOOG H	88049
MOHR U	87681	50623 60884	70957	MONAKHOVA YU V	89589		67575	MOOKERJEE K K	85797
MOHR W P	107225	71043 80871	80942	MONASTERO S	23310	MONTE A DEL	94442	MOOKERJEE B D	26022
MOHRHARDT F E	56846	81415	81416	32837 43214	63638	MONTE G D	94442	MOOKERJEE P B	14246
	67169	MOLERO-ROFILL F	44205	83441 83442	84094		105655	MOOLANI M K	70132
MOHRIG W	43144		45158	MONASTYRSKAYA M M	106188	MONTE G DAL	23367		87465
MOHRING H K	88626	MOLERO-PUJOS E	44206	MONCADA-RODRIGUEZ	12289		23368	MOOMAW I W	66664
MOHRMAN R K	90437	MOLIN-YU N	86529	F	21462	MONTE R DEL	30804	MOOMAW J C	38335
MOHS H J	33943	MOLINA A	59965	MONCHADSKII A S	84021	31446 32384	72941	MOON D G	41021 51260
MOHSEIN N	70131	MOLINA J A E	90930	MONCRIEF L 44002	46310		104785	MOON F E	78646
MOHSEIN N N	43611	MOLINA J S 79344	101816	MONCRIEF T E	7929	MONTAGNEAGUO-PAZ A	94309	MOON H W	82966
	24378	88353	88353	MONCRIEFF I J	45950	MONTEAGUO-COLI G	31804	MOON S G	27172
MOICHANOVA V A	44607	MOLINA-RABRERA O	46363	MONCRIEFF R W	34584	MONTEFREDOINE A	26100	MOONEY H A	9344 38117
MOIKO M F	37039	MOLINA-GALAN J	69423	MONDA V	85608	45159 86303	94577		100347
MOINE G 13086	50889	MOLINARI C 7128	86139	MONDAIN-MONVAL D	19053		33887	MOONEY J W C	51559
	41638		91277			MONTEIRO A	88930	MOOR A DE	92501
MOINICHEN C	41639	MOLINARI G 30752	103495	MONDAL B	86271	MONTARIO H J	33674	MOOR C E DE	42314
MOIR G F J	27460	MOLINARI R	65219	MONDART C L	19654	MONTARIO M I	99038	MOOR C V	34400
MOIR K W 10472	97413	MOLINAROLI R	87321	MONDINI S	93333	MONTAL J E	108860	MOOR R	42207
MOIR R J	72060	MOLINE S W	64884	MONDINO G 63243	82241	MONTELARO J	10950	MOOR R M	42193
MOIR T R G	51426	MOLINIE A	62750	MONDINO G P	71269	10951 10952	20155	MOORAHREND A	108651
MOIR W W G 39250	59362	MOLINIER R	88973	MONDY N I	6898		34720	MOORBY J	1104 1105
MOISE M	101328	MOLINUEVO H A	103472	MONEEB A F	74745	MONTENEGRO M E	80178	MOORE A D	42420
MOISEENKO F P	33561	MOLITORIS J C	24361	MONER J G	18597	MONTOLIVA M	55180	MOORE A M	21135
30261 53041	30260	MOLITORIS H P	26954	MONESIGLIO J C	21888	MONTORERO F C	13783	MOORE A P	32271
MOISEENKO K G	102494	MOLITORIS K	57733			MONTORERO L E	75713	MOORE A R	104740
MOISEENKO L F	4367	MOLITORISZ J	43662	MONESTIROLI C	77010		75714	MOORE A T	107116
MOISEENKO S T	24686	MOLKHQVA E	100345	MONEY N S	102342	MONTORERO-BERNALES	16715	MOORE A V	6509
MOISEENKO V SH	75609	MOLL A	10228	MONFORE K E	54228			MOORE A W	2168 5959
MOISEEV A A	74447	MOLL H W	20341	MONFORT K	107166			11351 13747	16716
MOISEEV N A	102450	MOLL R	81527	MONFORT K 35052	66419			84247 85533	85609
MOISEEV N F	95830		18773	MONGAT N M	100093				100656
MOISEEV N N	28072	MOLL R H	27672	MONGE-ZEGARRA R	30620				99435
MOISEEV R G	50916		40588	MONGELARD C	48287				86387
MOISEEV V	15164	MOLL W	94162		48356				69435
MOISEEV V A	22827	MOLLENHAUER H H	46745	MONGIN P	62861				92333
	82830		100012	MONGRUEL J	101104				16586
MOISEEVA I G	82547	MOLLER	17366	MONIB M	2223				87399
MOISEICHENKO V F	10009	MOLLER A W	104190	MONTIER C W	45047				20889
	10010	MOLLER C	26292	MONTIER F	468				45821
MOISENKO I F	28187		55925	MONTIKOWSKI C	74344				37289
MOISESCU L	58322	MOLLER C M	61080	MONIN A	58758				46893
MOISESCU M	72647	MOLLER E	101968	MONIN J	30361				99975
MOISEY J A	38070	MOLLER F H 27483	46585	MONIZ L	9090				76404
MOISIO T 44326	48561	MOLLER H	80814	MONJAUZE A	50805				
MOISLEY H A	108620	MOLLER I	31079	MONK C D	99748				
MOISSEFF G N	50471	MOLLER K	26501	MONK J A	55728				
MOISVEYEV V P	44483	35900 56722	66822	MONK M S	20983				
MOITY P	55843		106222						
MOJE W	68172	MOLLER N	24185	MONKE E J	2131				
MOK B C	89587		53853	33949 40228	74286				
MOK C C	93549	MOLLER O	97238	MONKHOUSE S	10806				
MOKADI S	13442	MOLLER P D	22100		39251				
MOKADY R	49733		51668	MONKIELEWICZ L	50507				
MOKADY R S	101671	MOLLER R B	4816	MONLUX A W	3638				



ITEM		ITEM		ITEM		ITEM		ITEM	
MOORE D S --CONT	76434	MORAN C M	65352	MORETTINI A--CONT	18748	MORIN J	11514	MORRIS C J--CONT	79019
MOORE E C	108516	MORAN D H	25550	19798 19799	19800		82391		79061
MOORE E E	8038	MORAN P J	69876	27527 39010	49062	MORIN L A	82392	MORRIS C L	32909
MOORE E J	87466	127	17758	MORETTINI B	31403	MORIN M	345	MORRIS D A	89592
MOORE E L	10229	39252	57619	MOREV V	91392	MORIN R E	29850	MORRIS D S	89594
26846	38618	58839	57620	MOREY D	68052	MORINEAU A	108436	MORRIS D R	93522
MOORE E N	56445	88355	90094	MOREY D D	68944	MORINI E A	74410	MORRIS E	32838
MOORE G D	25673	17235	107084	MOREY D H	9093	MORINI E G	52103	MORRIS E J	36326
MOORE G M	58759	MORAND DE MERLIER	66125	MORFORD L R	29017	MORINISHI M	75150	67419	98368
MOORE G S	17168	J		MORGADO F DE P	103952	MORISAKI M	40764		4972
MOORE H B	67623	MORAND P C	39103	65886 66823	65812	MORISAWA K	47325	MORRIS E P	79604
MOORE H C	44268	MORANDINI R	71156	MORGAN A	50301	MORISAWA M	99435	MORRIS G B	2663
MOORE H E	8726	MORANI V	39850	MORGAN A I	6189	MORISHITA F S	42725	MORRIS H A	65096
17754	17755	MORANTE-MIRANDA	98367	16034	55171		83491	MORRIS H D	2166
MOORE H I	56847	MORANTE-MIRANDA J	98367	MORGAN C N	100348	MORISIO-GUIDETTI	5988	MORRIS H F	60449
MOORE H L	25021	M		MORGAN C V G	52955	L		MORRIS H J	6900
		MORARIU I	36882	MORGAN D	72063	MORISON R	63005		105452
MOORE H R		MORARU B	22113	MORGAN D E	22076	MORISSET E	18598	MORRIS I	19365
MOORE I	14277	MORARU I	31408	MORGAN D G	38282	MORITA H	11751	MORRIS J A	50540
	73592	MORASZ S	60447		49556	MORITA K	9479	MORRIS J E	52158
MOORE J A	36398	MORAVCOVA-HUSDVA	27427	MORGAN D H	68945	MORITA M	40447	MORRIS J G	17502
MOORE J B	44564	MORAVEC J	1968	MORGAN D R	103956	MORITA S	2625	MORRIS J R	80182
MOORE J C		72057	69994	MORGAN E B	24848			MORRIS J Y	9934
MOORE J E		101256	69995	MORGAN E H	62124	MORITA T	38283		49867
MOORE J F	30954		2973	MORGAN F L	393	MORITAKA S	54134	MORRIS L G	50302
MOORE J G	85021	MORAVSKY B	79691		394			MORRIS M A	20707
MOORE J H	4187	MORAWIECKA G	87273	MORGAN G	18178			MORRIS M G	5185
MOORE J J	557	MORAWIECKA B	79036	MORGAN G A	37291			MORRIS M L	94921
MOORE J M	54724	MORAWSKI K	55319	MORGAN G T	27243			MORRIS M S	48873
MOORE J N	37290	MORBEY G K	35277	MORGAN H P	77965			MORRIS N J	22348
MOORE J R	1639	MORCINEK H	6651	MORGAN J	48809			MORRIS O N	67854
		MORDASEWICZ J	44226	MORGAN J H L	34983				7294
MOORE J S			64631	MORGAN J J	28632				32910
MOORE K M		MORDASHEVA A I	74222	MORGAN J P	28632				64243
42778	14827	MORDASHEVA L D	10473		3955				852
	42779	MORDASOV P G	28075						18745
	73314	MORDENO A G	92389	MORGAN J T	50472				73315
MOORE L A	71718	30503 51068	81317	MORGAN J V	10103				16375
MOORE L P	41043		81318	MORGAN J W	51281				32251
MOORE M		MORDENTI A	31112	MORGAN K E	74159				64213
MOORE M H	77650		31793	MORGAN M E	6432				95486
	77762	MORDIDU C	31832	MORGAN N C	5047				4202
MOORE M J		MORDIGAN P	69650	MORGAN N D	101999				104240
MOORE N E		MORDKOVICH M S	1698	MORGAN N G	33771				73827
MOORE N W	52375	MORDOVIN I	6899	MORGAN O D	33771				16821
		MORDUKHOVICH A	26231	MORGAN P B	58091				34439
MOORE P W	38226	MORDVINKIN G I	95831	MORGAN P N	83262				74971
MOORE R		MORE J A	32731	MORGAN P W	105094				93115
MOORE R A		MORE J W	76365		1386				24242
MOORE R C		MOREA I	30644						26556
MOORE R D	1904	MOREAU A	18222	MORGAN R F	77763				76073
MOORE R E		MOREAU A C	66648	MORGAN T H	94653				14278
MOORE R F		MOREAU B	10952	MORGAN W	89313				24379
MOORE R J	17757	MOREAU C	33807		55899				24380
		58303 75329	15392	MORGAN W C	90813				108926
MOURE R P	9932	MOREAU J C	89591	94418 101329	80620				69877
58760	66160	MOREAU J P	41341	MORGAN W P	101550				25954
		MOREAU J R	73207	MORGAN-JONES G	39310				61385
MOORE R S		MOREAU M	7129	MORGANTINI F	88544				45919
MOORE R T	687		15392	MORGANTINI M	26101				66935
MOORE R W	4337	MOREAU R	89591	MORGAREIDGE K	34182				83521
35759	93618	MOREAUX R	70378	MORCAT	52146				105656
		MOREELS A	83642	MORGAT F	88627				75437
MOORE S			72020	MORGE G	52956				73041
MOORE S D		MOREHART A L	85553	MORGEN H	83970				105036
MOORE S J	13004	MOREHEAD F F	47431	MORGENBESSER H	60996				18179
MOORE S L		MOREHEAD G W	21611	MORGENROTH H	107964				71492
MOORE T E			89653	MORGENROTH K	12403				12421
MOORE V P	15823	MOREHOUSE R E	90329	MORGENSCHWEIS K	98034				36506
54854	96739	MOREINIS YA I	20706	MORGENSTERN E K	17398				94332
MOORE W		MOREINO L YU	45328	MORGENSTERN L	662				22081
MOORE W E C		MOREIRA E A	102202	MORGENTHALER O	23448				70379
		MOREIRA H A	78919	MORGENTHAU H	7812				37751
MOORE W H		MOREIRA J A	74814	MORGUNOV N I	70888				19834
MOORE W J		MOREIRA J A N	27160	MORGUNOVA E A	79016				85842
MOORE W W		MOREIRA S	70212	MORHAC A	66509				29932
MOORHEAD G R		MOREIRA-S JACOB M	10628	MORI H	7885				57794
MOORHOUSE A		MOREIRAS-VARELA D	51560	19768 20386	11190				92578
MOORHOUSE D E			55180	44630 101661	34145				33175
MOORHOUSE J E		MOREITA I	87785	10231 59042	107497				43093
MOORJANI M N		MOREL G	35505	79017 79018	72064				15847
MOORMANN F R		MOREL M	78649	MORI K	13473				74970
MOORTHY B R		MOREL P C	7370	MORI M	29936				29518
MOORTHY N V N			83793	MORI N	29937				60209
MOOS L VON		MOREL R	83794	MORI T	52625				96306
MOOS W S		MORELAND D E	95739	77970 85001	87322				68946
MOOSBERG C A		9933 10135	1356	MORI W	16820				1774
MOOSER H		MORELL L	45524	MORIARTY A J	33808				3077
MOOY N J		MORELL R	36095	MORIARTY F	74791				22101
MOUPHANDOVA B A		MORELLE J	102843	MORIARTY J J	509				5793
MORA A		MORELLI C	105033	MORIARTY P J	47587				9377
MORA D N		MORENG R E	43514	MORICE I M	74305				93116
MORA M M		43751 72641	93013	MORICE J	87467				44934
MORA-DAVILA N			93114	MORICEAU HAY D	59411				25889
MORACZEWSKI R		MORENO E C	39754	MORICEAU L	59411				35025
		20448	40384	MORICONE A	64159				97239
MORADA E K		MORENO M M	101942	MORIER-GENOUD P D	50099				22226
MORAES C L DE		MORENO R	65545		30956				137797
MORAGNE W M		MORENO S	27034	MORIER-GENOUD P D	9317				53821
MORAILLON P		MORENO-CHAN R	13534	MORII T	82580				103070
			72587	MORIKAWA O	83959				35377
MORALES C		MORENO-DE-LA-COVA	108300	MORIMOTO F	106096				43889
MORALES E J		F		MORIMOTO H	3594				43603
MORALES R J DE D		MORENO-MELGAR G	68201	13476 30805	13475				80816
MORALES Y FRAILE		MORENO-TORRES J S	19648	31834 31835	31833				53950
		MORET R	106900		92657				78954
MORALES-FRAILE E		MORETON B D	68051	MORIMOTO S	66026				
MORALES-GARCES A			105294	MORIMOTO T	3702				
MORALES-GRANADOS		MORETON G D	63639		22644				
A		MORETTI L	26926	MORIMURA Y	79169				
MORALES-Y-FRAILE		MORETTI M	52062	MORIN C	90304				
E		MORETTINI A	11564	MORIN E W	62924				

MORSE A	23449	MOSELEY J M	75903	MOTHE S U	28313	89815	MOUTON C	36237	MUEHLING A J	53951
MORSE C	64721	MOSELY D E	53780	MOTIAL V S		89957	MOUTON R	74625	MUEHMER J K	49045
MORSE F S	42746	MOSELY W K	107037	MOTIKA I		8856	MOUTOUS G	52963	MUELDER D W	21278
MORSE G E	82242	MOSEMAN A H	34183	MOTIN YU		40190	MOUTSCHEN J	27645	39660 71271	71272
MORSE H H	91022		108301	MOTIRAMANI D P		91336	MOUTSCHEN-DAHMAN	47774	MUELDER M E	109237
MORSE H N	50473	MOSEMAN J G	18749	MOTOC D	34260	74624	J			109240
MORSE P M	104970		47886	MOTOC E	101672	101682	MOUTSCHEN-DAHMAN	27645	MUELLER A G	93917
MORSE R A	4973	MOSER D E	65872		101684	101869	M	47774	54201	108530
23450	32973	MOSER E	65847	MOTOC M		20984	MOUTTE P	9340	MUELLER C H	49556
34964	42821	MOSER H	67006	MOTOHASHI S		27153	MOVINKEL H	67097	MUELLER J R	50205
53062	63794	MOSER H C	32011			88628	MOVIS C L	32919	MUELLER K	98549
	74623	MOSER I	89085	MOTOLESE-LAZZARO		31592	MOVSESIJAN M	4416	MUELLER L A	12326
		MOSER J C	43326				MOVSESYAN G P	54450	MUELLER N S	73870
MORSE R D		MOSER L	16717				MOVSESYAN T B	41643		73871
MORSE R E			24687	MOTOMURA I		73870	MOVSISYANTS A	87939	MUELLER W A	107167
MORSE R W			77764	MOTOMURA S		101866	MOWAT D J	5511	MUELLER W F	34066
MUKSE T D			86581	MOTOOKA T	36159	36254	MOWAT O N	61833	MUELLER W J	32081
MUKSE W		MOSER R	77429	MOTOVA A V		69043	MOWAT J A	19058	MUENCH C W	8259
MORSE W B		MOSER W	11993	MOTOVILOV G P		102451	MOWAT W P	88739	MUENSCHER W C	39612
MORSELLI M		MOSSES E	82633	MOTOYOSHI F		839	MOWER R G	39253		90689
MURSILLO G		MOSSES H E	31769	MOTOYOSHI S		52626	MOWRY J B	9936	MUESBECK C F W	33333
MURSTIN J		MOSSES T	103930	MOTRICH T A		94286	79486	89597	MUESEBECK C F W	5464
MURSY E A		MOSSETT E	33205	MOTSINGER R E		27372	MOWSZOWICZ J	26877	84095	95339
MURSY T A	33178	MOSHCHENKO V	60640	MOTT G C	33722	34917		36942	MUFTIC A	25870
MURTELMANS J		MOSHER A T	46076	MOTT G U	41516	41543	MOXLEY J E	22966	MUFTIC M K	1107
MORTENSEN A		MOSHER M M	71197	62120	72089	72102	MOXON A L	31191	MUFTIZADE S R	1508
MORTENSEN E W		MOSHKALEV A G	102464			89979		103563	MUFTUOGLU S	32171
MORTENSEN G		MOSHKOV B S	38285	MOTT L F		54317	MOY E A	84031	54907 104558	104589
MORTENSEN J A			58762	MOTT N	92230	99778	MOYA V	21889	MUGERA G	93554
MORTENSEN J L		MOSHONKIN B	80373	MOTT P A		17463	MOYAERTS G	87368	MUGGE B	23010
20483	27491	MOSIASHVILI G I	39792	MOTT R H		95740	MOYCHO W	27297	MUGGENBURG B A	104677
90844	90877	MOSIENKO N A	20867	MOTTA S		97343	MOYE W C	52741	MUGGLETON P W	67731
			102203	MOTTARD G		49121	MOYED H S	74519	MUGHAL A A	39011
MORTENSEN P		MOSIMANN G	6297	MOTTARD P	26293	45329	MOYER D D	5701	MUGNOZZA G T S	37628
MORTENSEN W P		MOSIN M	106289	MOTTE		27526		93117	MUHAMMAD W	99779
MORTENSON E W		MOSIN M A	15114	MOTTER G A		46703	MOYER G K	67037	MUHAMMED A	69215
		MOSKACHEVA E A	83795	MOTTERSHEAD B E		20507	MOYER J C	59652	MUHLE E	9094
MORTENSON F N		MOSKAL J	49734	MOTTET A		21612	MOYER J E	88197	MUHLE LARSEN C	102699
MORTENSON L E		MOSKAL S	49735	MOTTOLA P		240	MOYER R H	15637	MUHLBERG N	71356
MORTENSON M A		MOSKALENKO V I	19195	MOTTOLA T		30101	MOYLE J B	94665	MUHLERFORDT J	41668
MORTENSON W P		MOSKALEVA V E	19367	MOTUZ B A		71935	MOYLE R	108707	MUHLHALER K	30714
		MOSKALTSOV P P	60641	MOU-KANG L		57362	MOYNIHAN W A	31386		99829
MORTER R L	4550	MOSKOV I	1117	MOU-HAM L		79527	MOYSE A	1034	MUHLMANN H	47137
MORTIER P			78164	MOUBASHER A H		11832		9890	MUHLPORTE H	7486
MORTIMER D C		MOSKOV I V	99956			19057	MOZAR H N	27311	MUHLSTADT M	26130
MORTIMER K V		MOSKOVETS S N	19055	MOUCHA J	33176	83971	MOZGOVJI A A	63299	MUHR G R	49765
MORTIMER M H E		MOSKOVETS V S	2231		83972	95060		72987	MUHLER K	15064
MORTIMER P H		MOSKOVITS I	62113	MOUCHET J	95062	95487	MOZHAEEVA K A	68947	MUHRER M E	72959
MORTIMER R G		MOSKUIV M V	64542		98592	106017	MOZHAEEVA L V	58764	MUI L H	36219
MORTIMER R K		MOSLEMI A	103060	MOUCHET J	52740	63400		68525	MUICA N	49850
	14828	MOSLET U	91951		63865	73152	MOZHAR T A	9928	MUIJZENBERG E W B	64356
MORTIMORE C G		MOSNY J	55755	MOUCHET M		24689	MOZINGO R W	79145	VAN DE	
MORTISS P		MOSOLOV I V	9935	MOUCHET R		24689		79145	MUIR D A	93993
MORTIZ O			78720	MOUCHETTE R		104397	MOZMADAR A	68609	MUIR D J	55900
MORTL K		MOSOLOV N I	55492	MOUGHARBEL S K		27093	MOZOLIN V P	64179	MUIR J	67583
MORTLAND M M		MOSOLOV V P	4466	MOUGIN M P		61151	MOZUOCHI T	1101	MUIR R M	38206
			17331	MOULDER J W		52802	MOZZHERIN V I	32490	MUIR W D	80817
MORTON A D		MOSOLOVA I M	100658			81813	MOZZONE G	55324	MUISINKEL F L	45298
MORTON A G	9380	MOSONYI G	31057	MOULE C		84544	MRAK E M	43873	VAN	
MORTON B J		MOSONYI J G	81910	MOULE G R	4449	93619		57389	MUJDABA F	1196
MORTON B R		MOSQUIN T	47773		42138	52417	MRAZ A	32491	19912	24710
MORTON C V	8727	MOSS B	89178	MOULICK S K		93714		32492		16636
	88426	MOSS C W	6510	MOULINS M		93772	MRAZ C	63773	MUJUMDAR N A	26793
MORTON D J	27044	MOSS D E	79535	MOULOPOULOS B C		14973	MRAZ K	2775	MUK J	85022
	37109	MOSS D N	100350	MOULOPOULOS C		68524	MRAZ O	3230	MUKA A A	8395
MORTON E S		MOSS F E	102204	MOULOPOULOS C		102698		12665	MUKAHIRA I	93014
MORTON F		MOSS H J	16112	MOULSLEY L J		77145	MROZCEK C	12323	MUKAI E	25353
MORTON F J		MOSS J A	65905	MOULTON J E		3860	MROZCKIEWICZ L	50890	MUKAI K	107729
MURTON H		MOSS J D	50303		12663	13285	MROZCKOWSKI M	94922	MUKAI M	33674
MURTON H E		MOSS L C	3857	MOULTRIE F		41777		92503	MUKAI T	38152
MURTON J	76959	MOSS M S	104119	MOULV I M V		49082	MROSK H	53854		105744
MURTON J D	62322	MOSS N	60044	MOUNAT A	19731	20823	MROZ S	99403	MUKATYAMA F	73458
MURTON J F	36653	MOSS P	11276	MOUND L	33272	89595	MROZEK B	96475		84150
MURTON J K			3858	MOUNDROFF N		75684		96573	MUKAWA Y	72529
MURTON J R		MOSS R D	3858	MOUNIER D		21535	MROZEWSKI S	6203	MUKERJEA T D	37111
MURTON L		MOSS S	54262	MOUNT D A		4817	MRUGASIEWICZ K	69271	77577	83443
MURTON L F S		MOSS S E	28102	MOUNT L E	12627	13784	MRAVA J	70584	MUKERJEE H	17119
MURTON R A	10204	MOSS T J	40913	MOUNT R H	12627	63298	MRVOS G	92733	MUKERJEE H K	61374
MURTON R J		MOSSAKOWSKA K	66215	MOUNT S W	13841	13899	MSANGI A S	52767	MUKERJEE H N	20709
MURTON R K	1384	MOSSBERG H E	89251	MOUNT SIR W		2945	MSHVENIERADZE N G	60775		40024
	19366	MOSSBERG R	38597			102536		60782	MUKERJI A	31954
	48112	MOSSBERG Y	39793	MOUNTFIELD J D		54327	MU C	101062		42019
	89885	MOSSE B	41641	MOUNTIER N S		10445	MU Y	75976	MUKERJI D P	62862
MORTON W D	17446	MOSSE G	65669		69579	100992	MU-YII H	58764	MUKERJI G P	5532
MORTREUIL-LANGLON	23929	MOSSE J	44935	MOUNTNEY G J		16361	MUAMMAR S	106646	MUKERJI K G	88545
-IS M	33471		6022		55728	97344	MUCCI F	58431	MUKERJI M K	94382
MORTZFELD	2774	MOSSEL D A A	43927	MOUR K		97006	MUCCI G	51899	MUKERJI S K	27094
MORU M	73468		43928	MOURA A R		88167	MUCENIC I	39862	MUKERJI V	57017
MORUGINA M P	70542	MOSSOROVA R V	54523	MOURA V		65104		49243	MUKHA K	33905
MORUJU G	18222	MOST H	84028	MOURA-LIMA M		94009	MUCHA W	49737	MUKHACHEV A S	61998
	19835	MOSTACHIFI P	94046	MOURAO M DA C		5359		105886	MUKHAMADIEV A	2395
MORUZI C	88539	MOSTEK J	24688	MOURAVIEFF I		89596	MUCHLIS A	3153	MUKHAMEDGALIEV F	103079
MORUZZI G	75438	MOSTERT G C	52193	MOURE J S	5463	23799	MUCHMORE W B	5101		
MORVAN G	47136	MOSTOSKY U V	3859		64160	73764		83796	MUKHAMEDKHANOV S	19060
	58092	MOSTOVAYA V I	38103	MOUREAU J		11900	MUCHNIK A YA	74515	MUKHAMEDZHANOV M	28422
MORVAN G S	77467	MOSTOWSKA I	75497	MOURAUX T		5583	MUCHON D	71770	V	38804
MORVAY J	16506	MOTA C P	25443	MOURGUES J	34241	96273	MUCK G A	6448	MUKHAMETOV R G	50206
MORYAKOVA V F	79015	MOTAS C	58304	MOURGUES R		96432	MUCK D	82647	MUKHARJI S P	14755
MORZER-BRUIJNS M	42421	MOTAZ E A	42940	MOURIER E		97748	MUCKADELL M S DE	28077	MUKHERJEE B B	31387
F		MOTE C D	81319	MOURIK J P F VAN						



	ITEM		ITEM		ITEM		ITEM		ITEM
MUKHERJI P K	81021	MULLER L	40384	MUNDY K W	37464	MURALIDHARAM S R	52425	MURPHY H F	40005
MUKHERJI S K	99437	MULLER L L	34436	MUNDU M M	4568	G		MURPHY H J	29094
MUKHIN N D	28498		76790	MUNDULA G	108577	MURAMATSU H	28837	MURPHY H J	54985
MUKHINA N A	12725	MULLER M	23983	MUNDY A E	82410	MURAMATSU K	29757		69997
MUKHLISULLIN SH	41387	MULLER M L	57356	MUNFORD R E	41873			MURPHY J M	103199
MUKHOPADHYAY S	22763	MULLER N P	26845	51781	51831	MURAMATSU M	834	MURPHY J W	90394
	714	MULLER O	33420	MUNGA F M	57916			MURPHY L C	41645
MUKHTAR F O	78199			MUNGER F	14468	MURAMATSU Y	27759	MURPHY M F	74005
MUKHTAROV Z M	68282	MULLER O G	28733			MURAMOTO H	93015	MURPHY P	61336
	1553	MULLER P	19801	MUNGER G D	5961	MURANO K	107151	MURPHY P J	108861
MUKIN A F	19584	MULLER P J	17539	MUNGER J A	67008	MURANYI GY	22645	MURPHY R I D	90638
MUKKERJEE S B	102387			MUNGOMERY R W	52877	MURANYI I	70412	MURPHY R L	34067
MUKO H	97538	MULLER R	51427	MUNIROV Z	25977	MURAO K	30505	MURPHY R M	2182
MUKOHATA Y	109143	MULLER T	17902	MUNISKWAMY Y R	10407		60845	MURPHY R P	10475
MUKOHATA Y	48290	MULLER U	3810	MUNISWAMY Y R	10407	MURAOKA K	31761	MURPHY S G	49812
MUKOHIRA I	35278	MULLER W	25362	MUNJAL R L	8857		93016	MURPHY T A	84163
MUKOD H	18261		41644	47073	47223	MURAOKA M	97345	MURPHY W D	98171
MUKUDAI J	40948		53855		47328	MURARI K	11203	MURPHY W E	100994
MUKULA J	2046	MULLER W H	28078	MUNK A	36976		79970	MURPHY W J B	104741
			68414	MUNK H	31202	MURARI V	103473		108531
MUKUNDAN M A	63920	MULLER-HAYE B	92210			MURARKA D	26667	MURPHY W S	90690
MUKUNDAN T K	49568	MULLER-HILLEBRAND	55855	MUNK V	1388	MURASE J	55015	MURPHY W T	46086
MUKUNDI J	13842	D		MUNKACEVIC V	30308	MURASH I G	68950	MURR L E	19062
MULAC K	35015	MULLER-IDZERDA A	59737	MUNKACSI F	82245	MURASHCHENKO N	81384	MURRA G E	85611
MULCAHY D L	89295	C	79606	MUNKACSI L	56472	MURASHIGE T	1110	MURRAY A	36354
MULCAHY M J	11347	MULLER-KOGLER E	42422	MUNKACSY L	45589	20285	28079	MURRAY A J	39254
	74878	MULLER-LIEBENAU I	95650	MUNKEBY O	64357			MURRAY A J W	3755
MULDER D	68205	MULLETT R P	32724	MUNKEBY O	95942	MURAT P	62154	MURRAY B	65813
MULDER H	74792	MULLICK D N	51674	MUNNECKE D E	47360	MURATA K	66308	MURRAY B E	89296
MULDER J G A	6652	82152	82711	68172	77868	MURATA M	72530	MURRAY C G H	10360
MULDER T	67420			MUNNS D N	9937	MURATA T	19369	MURRAY D B	11149
MULDER W J	91541	MULLIGAN B O	1874	MUNNS E N	67583		69160	MURRAY E	45590
MULEA T	101670	MULLIGAN G A	77371	MUNOZ A	79832	MURATA Y	9938	MURRAY G	12997
		MULLIGAN H P	79933	MUNOZ A F	66223	20173	21143	MURRAY G A W	55760
MULETT-CHAVEZ E	41778	MULLIGAN R M	13286	MUNOZ FLORES I	59845	26771	26839	MURRAY J	24541
MULFORD K E	34113	MULLIGAN W J	16351		90540	35814	41784		79324
MULGRUE G E	97749	MULLIKIN R A	75139	MUNOZ H	1033	MURATKHAN V P	80559	MURRAY J C	38805
MULHEARN C R	82243	MULLIN R E	81064	103415	103533	MURATOV I I	22764	MURRAY J G	24849
MULHERIN S K	85798	MULLIN R S	438	MUNOZ RUIZ H	3480	MURATOV O	53781	MURRAY J M	101673
MULHERKAR L	104438	38925	69617	MUNOZ-CASTAN-YER	22583	MURATOV V KH	79313	MURRAY J P	15198
MULHERN F J	92007			F		MURATOVA E	39348	MURRAY J R	81214
MULHERN T D	5347	MULLING M	51860	MUNOZ-DAVILA A	41342	MURATOVA V S	40246	MURRAY J S	67122
	5356	MULLINIX P E	46311	41343	42519	MURAVEV V P	27499	MURRAY K	40921
MULHOLLAND H	54764	MULLINS A M	35071	MUNOZ-DE-LA-CUEVA	98407	MURAVIN E	58767	MURRAY K L	100831
MULHOLLAND R	74208		62146	D B		MURAVIN E A	48293	MURRAY L T	61323
MULIYAR M K	96855	MULLINS A R	91718	MUNOZ-DELGADO-OR-	6901	68848	68951	MURRAY M D	4739
MULKERN G B	42442	MULLINS J F	48412	TIS J A	16040	69273	70625		94172
	53542	MULLINS L	86387	MUNOZ-DELGADO-OR-	55181			MURRAY N E	9602
MULKEY A G	61305		86403	TIZ J A	16041	MURAYAMA K	41615	MURRAY P C	6584
MULLA G R	50225	MULLINS R H	7606	MUNOZ-DELGADO-OR-	6901	MURAYAMA N	10044	MURRAY P D F	22646
MULLA M S	4737	MULLINS T	108401	TIZ L	16040	MURAYAMA S I	25217	MURRAY R	51574
23155	32626	MULLMANN T M	4738	55181	55182	MURAYAMA Y	21143	MURRAY R B	48852
MULLALY J B	16112	MULLOWNEY T	60642	MUNOZ-FLORES I	20156	MURBACH R	27035	MURRAY R D	60643
MULLAN M W	26373	MULLVERSTEDT R	29292	MUNOZ-GARCES C	27242	MURCHIO J C	70384	MURRAY R W	83742
MULLEM J VAN	3034	48291	70539	MUNOZ-MARES E	101423	MURDOCH G	80183	MURRAY S	103134
MULLEN R N	74284	MULRENNAN J A	94164	20429	66225	MURDOCH J C	21787	MURRAY S N	109206
MULLENAX C H	63134		94165	MUNOZ-TABOADELA M	20429	22103	61660	MURRAY W D	94178
MULLENAX R H	89556	MULROONEY J J	21521	MUNRO B M	66224	MURDOCK W W	71648	MURRAY W G	56066
MULLENDERS W	57462	MULROY T B	27587	MUNRO C H	41232	MURDOCK D I	65449	MURRAY W S	14166
MULLER A	1267	MULSOW H	16874	MUNRO D D	11986		75208		94166
29552	38286	MULTAMAKI S E	50806	MUNRO H N	92008	MURDOCK F M	62545	MURRY C R	55901
	74790	MULUWA L	16910	MUNRO J	37044	MURDOCK F R	72066	MURSALOV S B	68952
MULLER A H	23019	MULVANEY D L	1506	MUNRO J A	23088	MURDOCK J R	9353	MURTAGH G J	11071
MULLER A J	9600	MULVANY J L	92504	MUNRO J M	68949	MURDOCK J T	68926	MURTAGH J E	23979
MULLER A VON	1663	MULVEY R H	9284	MUNRO J M M	68375		82286	MURTAZOV T	24275
MULLER C H	28078	MULVEY R R	38755	MUNRO R F	26927	MURDOCK W P	5296	29096	38288
		MULVILL D F	74383	MUNROE E	23883	MURESAN R	103577	69998	69999
MULLER D	108437	MULYARCHUK S O	46895	MUNSHI Z	79411	MURESANU P L	75331	MURTH O H	61834
MULLER D G	58766	MUM H H	4868	MUNSHI Z UL A	100034	75032	96811	MURTH A S	36097
MULLER E	219	MUMMA M	53205	MUNSON J E	36883	MURESANU T	59215	MURTHY B L N	20286
	8260	53206	83797	MUNSON K	54227	MURET E	50624		58811
	12666	MUMFY G A	108438	MUNSON R D	30064	MURFITT R R	64649	MURTHY G K	15685
	25409	MUMFORD D L	395	MUNSON S T	28845	MURGIA-ELORSA N A	11072	MURTHY G S	47888
	47253	MUMFORD F E	1387	MUNSTER W	74904	MURGU I	31032	MURTHY H B N	55113
	68948		89888	96536	96535	31476	62882	MURTHY K N	19649
MULLER E H	57463	MUMFORD L S	34586	MUNT R H	103661	MURIE O	95507	MURTHY K S	58483
MULLER E W	47138	MUMFORD R E	109023	MUNTEANU I	106989	MURIEL LEDESMA M	68581	MURTHY K V K	27753
MULLER F	63424	MUMGAARD M L	51780	MUNTEANU P	39857	MURILLO J	108439	MURTHY L S V	58066
	83643	MUMINOV A	79322	MUNTEANU S	62058	MURILLO L M	32775	MURTHY M R V	43145
MULLER F L	44208	MUMINOV F A	78042	MUNTEANU U	50381		63425	MURTHY P S R C	3231
MULLER F M	44936	MUMINOV KH	100993	MUNTER U	13714	MURILLO-SOLIS R	3725	MURTHY V M M S	90397
		MUMM H	5411	MUNTIU N	31669	MURIN A	86305	MURTI C R K	106710
MULLER F P	83332	MUMM H N	96433	MUNTONI F	7021	MURKIBHAVI G R	78166	MURTI C S	47544
MULLER G	19256	MUMME W	87947		75439		3191	MURTI K S	7043
	25687	MUNABAYASHI M	83119	MUNTYANU K K	96984	MURMANN W	62516	16328	26127
	49468	MUNAJJED D EL	97203	MUNTZING A	9490	MURNANE T G	61222	55621	55680
	78652	44484	18270	19456	78304	MURO-DE-REDON M	41645		86314
	99104	MUNAVALLI S	61039	MUNVES E	46449	DEL	90931	MURTI V D	59216
MULLER G R	71107	MUNCH	50891	MUNZ A	53909	MUROGA R	90166	MURTI V V S	15389
MULLER G S	24690	MUNCH E	69879	MUNZ P A	57621	MUROGA S	24167	MURTON R K	18006
MULLER G W	47509	MUNCH J	63135	MUNZ T	44209	MURPHY D	79323	MURTON T A	108717
MULLER H	34002	MUNCH PETERSEN E	98170		65608	MURPHY D	77578	MURTUZA S M	23028
	41098	MUNCH S	26544	MURDIALA S	60622	MURPHEY G S	19891	MURTY B R	38353
	74346	MUNCH W	4395	MURA D	22738	MURPHEY D	83644	MURTY B S	20710
		MUNCH-PETERSEN E	62323	MURABAYASHI E T	108601	73410	81364	MURTY D K	22794
MULLER H D	3260	12667	24381	MURAKHANYAN L K	1583	MURPHEY W	21380		62324
MULLER H J	53415	MUNCHBERG F	25731	MURAI H	40655	MURPHREE R L	22948	MURTY G S	7022
	76436		32385	MURAI S	36884	MURPHY A A	2996		69658
MULLER H W	8934	MUNCHENBERG F	15348	MURAKAMI A	106577	MURPHY A H	61075	MURTY K	62616
		MUNCHINGER R	26557	MURAKAMI D	34676	25149	70133	19063	20775
MULLER H W K	88791	MUNCK L	100737	MURAKAMI F	54855	MURPHY A T	84272	MURTY K S N	16496
MULLER I	4548	MUNCY R J	23087	MURAKAMI H	97303	MURPHY C F	69421		100660
MULLER HAYE B	31733	MUNDA I	48292	MURAKAMI S	34677	MURPHY C S	6079	MURTY N S R	20710
MULLER J	25688		89601			27243	34587		59846
	50100	MUNDA M	82647	MURAKAMI T	21990	35378	56303	MURTY R R	34897
MULLER J C	108656	MUNDAY B E	85472	MURAKAMI Y	14469	64722	66665	MURTY V V R	15769
MULLER J F	78649	MUNDAY R A	104283	74765	105583		81274	MURTY Y S	98931
MULLER K	1109	MUNDELL P M	59095	MURAKI S	30504	MURPHY D B	76622	MURUSIDZE G E	105266
	45000	MUNDHENKE E	108069	MURAKI D	60660	MURPHY D H	24532	MURVANIDZE CH G	29765
	96616		47775	MURAKHANYAN D		MURPHY E A	107650	MURVANISHVILI I K	99107
		MUNDKUR B				MURPHY E F	44723	MURVOSH C H	42520
						MURPHY E W	7016	MURZALIEV G D	102265
						MURPHY H	49346	MUSAREKOVA E S	49738
						MURPHY H C	9093	MUSAEV A A	91279

	ITEM		ITEM		ITEM		ITEM		ITEM
MUSAEV D A	58489	MYERS C A --CONT	80978	NADARAJAH M	16376	NAGATA S	31113	NAIR K S S	83871
MUSAEV D M	20832	80979	80980	NADASI M	86405	NAGATA Y	28084	NAIR M K	8603
MUSAEV M A	9939	MYERS C M	73696	NADCHATRAM	78654	NAGATO K	37734	NAIR M R G K	5414
	52263	MYERS D A	26928		14485	NAGATOMO S	87049		63641
MUSAT D	101611	MYERS D D	134121		73532	NAGATOMO T	32982	NAIR N C	9481
MUSAT I	12177	MYERS G A	1111	NADDIH B I	80167	NAGATSUKA S	39848		28356
MUSAT N	20124	MYERS G S	3471	NADEAU F	73170		60264	NAIR N R	90693
MUSATENKO L I	69082	MYERS J	9828	NADEAU J D	90938		33178	NAIR P G	13091
MUSCARELLA A	30952		100352	NADEAU L R	81914		33233	NAIR P K	11545
	81747	MYERS J M	2547		91917	NAGAYA K	35814	NAIR P K K	27202
MUSCATINE L	9940		80527	NADEN K D	26425	NAGAYA T	19346		36656
MUSCHE R	3267	MYERS K	32142	NADENOV N	92555	NAGAYAMA R	97646	NAIR P K S	11566
MUSCHIO H M	58432	MYERS K R	65887	NADER C	82812	NAGEL C	82689	NAIR P M	55003
MUSCHOLL P	86316	MYERS L	55902	NADEZHINA T P	28355	NAGEL C M	77579		59044
MUSE M	67170		82129	NADGIR S R	4201	NAGEL E	3960	NAIR P V R	19107
MUSEN H L	69623	MYERS L E	50304	NADIROV N K	26102	NAGEL H C	31479	NAIR R	68673
MUSGRAVE A J	23612	MYERS L F	2551	NADKARNI S R	15929	NAGEL J	93153	NAIR R B	63642
MUSGRAVE O L	20673	MYERS L S	85731		15930	NAGEL O	44377	NAIR R G	90694
	90392	MYERS M	7679	NADLER F	61344	NAGEL R	16132		101551
MUSGRAVE R B	58495	MYERS M L	8328	NADURILLE R	55288	NAGEL W P	105888	NAIR V J	9481
	78362	MYERS O	569	NADVORNIK F	92506	NAGELI W	40657	NAIR V M G	47331
MUSGRAVE W F	66825	MYERS P	13785	NADZHAFOV A F	51550	NAGESWARARAO G	12648		47333
MUSGRUVE D	71528	MYERS R	45932	NADZHIMUTOINOV S	85642		74793	NAIRN M E	92413
MUSHKETIK L M	102868	MYERS R B	14078	NADZIAKIEWICZ H C	25264	NAGHI A	90358	NAIRN W	67582
MUSTAL B	3383	MYERS R E	76026	NAEF C A	45390	NAGHSKI J	7127	NAITHANI S P	836
MUSTEROWICZ A	29509	MYERS R G	7170	NAEF J	291	NAGI I	835	NAITO H	99108
	49634	MYERS R M	32712		90292	NAGIBIN YA D	1113	NAITO K	42838
	60084		62207	NAEGELE J	43672		1509	NAITO M	3642
MUSIK J T	28080	MYERS R R	30621	NAEGELE J A	37077				36996
MUSIKER R	57185	MYERS T	33472		42726	NAGIEV G M	102206	NAITO S	34494
MUSIL A F	1459	MYERS T R	82278		52758	NAGL W	53305	NAITO T	45299
MUSIL D	63300	MYERS V I	40247		53218	NAGLITSCH F	5624	NAITOH Y	81727
MUSIL M	83333		101706	NAERLAND B P	34456		33500	NAJERA A D	94211
	94311	MYERS W L	63321		34456	NAGODA L	12422	NAKA S	10107
MUSILLAMI S	20797	MYERS W M	9619	NAERLAND T	67628		40696	NAKABAYASHI N T	82009
	33863		78237	NAESGAARDS-BOGEN	109224	NAGOPNYI N D	93787	NAKABAYASHI T	55088
MUSKUS C E	12903	MYGIND H	47329	NAESS A	50474	NAGORSKI F	61882		55089
MUSPRATT J	14710	MYHERS P	52264	NAESSENS W	108303		92010	NAKADANI S	28678
MUSSAR H	62865	MYHK E	70752	NAF U	1112	NAGRA C L	82537	NAKADATE K	101778
MUSSAR L	62865	MYHRE A S	90642	NAFAI E K	82636	NAGUIB M I	19134	NAKAE A	81143
MUSSATTI J	66357	MYHRE D L	106278	NAFEI H	83966		48295	NAKAE J	87274
MUSSAWI-BARAB M H	7500	MYHRE D V	25092	NAFFA P	86454		89672	NAKAE T	86285
MUSSGAY M	41344	MYKLAND E	40513	NAFFRECHOUX Y	55050	NAGURA S	82566	NAKAGAWA M	27895
	61835	MYKLEBUST E	59847	NAFFZIGER C A	44704	NAGY A	61152	NAKAGAWA E	28397
MUSTAF A	52878	MYKLEBUST R J	94173	NAFORNITA M	63261	NAGY B	14385	NAKAGAWA H	13986
MUSTAF A S P	21023	MYKLESTAD H	55635		71914		42611	NAKAGAWA K	32082
MUSTAFAEV I D	38289	MYKLESTAD S	91131		91072		90439	NAKAGAWA M	85141
MUSTAFAEV KH M	30317	MYKYTOWYCZ R	73654	NAFTEL J A		NAGY E	36654	NAKAGAWA N	84422
	50382	MYLES G	2552		2632		57464	NAKAGAWA P Y	4740
MUSTAFAEV Z S	82462	MYLES G A	2566	NAG B	62592	NAGY F	67009		5348
MUSTAFAEVA S I	9941	MYLLYLA M	24067	NAGA M	60147	NAGY GY	30759	NAKAGAWA S	5341
MUSTAFIN A	39388	MYLLYMAKI S	105234	NAGA M M A	4397		92213		103475
MUSTAKAS G C	45160	MYLREA P J	12820	NAGARHUSHANAM R	61360	NAGY I	10337	NAKAGAWA T	31508
	75709		31492	NAGAC M	78460		56598		87199
MUSTARD J F	31734	MYMRIN I A	93017	NAGAEDA M	62705	NAGY J	32559	NAKAGAWA Y	9943
	42315	MYNBAEV T T	28081	NAGAEVA L	13616	NAGY L	7948		31389
MUSTIACEA G I	18599	MYNETT K	69838	NAGAHARA T	106582		32559	NAKAGAWANISHI H	33810
MUSURAKIS G	107746	MYRAKER L	106930	NAGAI H	14096				93788
MUSZYNSKA K	58835	MYRDAL G R	42602	NAGAI I	38291	NAGY L I	39724	NAKAHARA J	43288
MUSZYNSKI B	76791	MYRDAL K G	24326	NAGAI J	31762	NAGY L K	31316	NAKAHARA M	60085
MUTAFCHIEVA S	62205	MYRE M	27429	NAGAI K	28082	NAGY M	9352	NAKAHARA T	93550
	79020	MYREH I	7887	NAGAI M	27572	NAGY MRS L	88168	NAKAI S	65078
MUTAR A W	66826	MYREN D T	56860	NAGAI R	78655	NAGY MRS P B	89179	NAKAJIMA C	46397
MUTARELLI E J	2732		90342	NAGAI S	17540	NAGY N	41449	NAKAJIMA G	58309
	40473	MYRICK D C	56495	NAGAI T	9345	NAGY P	38975	NAKAJIMA H	41618
MUTCH C B	51782	MYRICK N	44260		34816	NAGY Z	102000	NAKAJIMA M	33623
MUTCH G V	104634		85401	NAGAI Y	7025	NAGY-TOTH F	100392		96741
MUTCHLER C K	11809	MYSIK O	41099	NAGAICH B B	14084	NAGYMIHALY F	50101	NAKAJIMA N	24382
	60725	MYSSINGER M	35110		47523	NAGYTOTH F	28120	NAKAJIMA S	97894
MUTH O H	51437	MYSKOW W	39734			NAHA P M	27201	NAKAJIMA T	50057
MUTHA S C	7276	MYSLAKOWSKI K	80623	NAGAKI S	20427	NAHAI I	30297	NAKAJIMA Y	27574
MUTHER E	62622	MYSLICKA Z	20349	NAGAMATSU A	15638	NAHARI U	13442	NAKAKAWA K	98301
MUTHOD M K	27428	MYSYUTKINA M V	3481	NAGAMATSU T	58410	NAHER W	89603	NAKAKAWA N	84421
MUTHUKRISHNAN T S	14118	MYSZKA A	48294		79172	NAHORNVI I S	13090	NAKAMA S	41615
MUTHUKUDA D S	86405	MZHAVANADZE A V	47330	NAGANO H	23481	NAHTA A EL A EL	65077	NAKAMA W	37307
MUTHUSWAMY D	21297	MZHELANSKII N	43516	NAGANO K	49122	NAI D	36497	NAKAMATSU M	51950
MUTIN M I	105096	MZTRAY P	12807	NAGANO R	33564	NAI D D	31388	NAKAMURA	40766
MUTKEKAR M L	47343			NAGANO Y	77088	NAIDENOV N	93376	NAKAMURA A	49789
MUTLUKUL N	7465			NAGANOV K	55183	NAIDENOV T	30811	NAKAMURA C	80474
	45321			NAGAO A	40656		42261	NAKAMURA E	81141
MUTO I	54857			NAGAO K	80943	NAIDENOVA L P	98107		100355
MUTO K	16801				102452			NAKAMURA F	74411
MUTTI R J	44413	NAADWIJK R T C	1941	NAGAO M	17543	NAIDENOVA O A	90878	NAKAMURA H	19246
MUTTON D B	25251	NAARMANN H	64161	NAGAU S	27737	NAIDENOVA TS	50892		78043
		NABAR G M	71560	NAGAR B R	11277	NAIDIN P	63450		100063
MUTUSKIN A A	1052	NABATOV N M	99780	NAGAR S K	105584	NAIDIN P G	70586		102001
	72942		102537	NAGARAJ T S	2119	NAIDU G V B	14198	NAKAMURA J	31390
MUUS J	106940	NABH D P	82500	NAGARAJAH S	9942		33108	NAKAMURA K	30112
MUYS G T	55629	NABELEK FATHER	17690	NAGARAJAN C	9670	NAIDU M B	58306		62110
MUZHITSKII A M	107573	NABER E C	93162	NAGARAJAN G R	91739	NAIDU N A	52878	NAKAMURA M	27575
MUZIK R	104258	NABIEV D N	4396	NAGARAJAN K	9096	NAIDU V T	17120		31113
MUZIK T J	47677	NABIEV K M	48981	NAGARAJAN M	98889	NAIK B N	70889		39255
	100334	NABIEV M N	11857	NAGARAJAN T S	54432	NAIK K C	87468		84088
MUZYKANTOV P D	20711	NABIKHODZHAEV S S	78653	NAGARAJAN W P A R	79462	NAIK M S	38600	NAKAMURA R	4433
MUZYUKIN V S	51027	NACAMULI S	26817	NAGARATHNAM A K	19064		48591		4434
MUZZI S	36496	NACE R L	8024		29106	NAIK P V	100176		32494
MYACHKOVA A	79963	NACHEV B	31955	NAGARATHNAMMA M	106825	NAIK S G	62326		92944
MYADZYAVICHYUS A	104881	NACHEV L	79020		106826	NAIK S N	22820	NAKAMURA S	4894
		NACHEV L T	44327	NAGARATHNAMMA M	106844		62326		88629
		NACHKOV D	194398	NAGARATHNAMMA M	31108	NAIKI M	31718	NAKAMURA T	68810
MYAGKOV M G	103474	NACHKOV G	50305	NAGARATHNAMMA M	104742	NAIM M S	68955	NAKAMURA T	25218
MYAKISHV L P	2476	NACHKOVA O	104398	NAGASAKA S	30442	NAIM Z	99682		33565
MYALO I I	94167	NACHTIGALL H	41401	NAGASAWA H	13416	NAINIE M	98173		34817
MYARTSEVA S N	14829	NACHTMANN H	7024	NAGASAWA K	25410	NAIR A G R	28389		95741
MYASOEDOV N M	102803	NACHTOMI E	6565		28083		69275		97082
MYATT O W D	38912		13442	NAGASAWA M	86516	NAIR G V	78807		79054
MYBURGH A C	4859		72561	NAGASAWA S	14651	NAIR J H	74516	NAKANE A	37916
	23311	NACHTWEY R	43215	NAGASAWA T	57098			NAKANISHI K	73456
MYDLARCIK S	94387	NACK G	98172					NAKANISHI T	18189
MYER H L	71529	NACSAADY A	23986	NAGASAWA Y	74462	NAIR K G	55128		51805
MYERS A	38043	NADA M M	29562	NAGASHIMA Y	100295	NAIR K K	105658	NAKANO H	41454
	77765	NADAI J	6308	NAGATA A	35664	NAIR K K G	1367	NAKANO J	41137
MYERS A A	106018	NADAKAL A M	9285	NAGATA M	3861	NAIR K P V	5413	NAKANO M	22594
MYERS C A	11994		68329			NAIR K R G	79459		106817
				NAGAT R	45236		47001		106828
						NAIR K R S	9097	NAKANO T	107751
									103019



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
NAKAO K 32083	80946	NANGNIOT P 34337	77754	NASH A L 72351	15307
NAKAO M 34350			77767	NASH A M 17218	44938
NAKAO O 15853		NANI S 51428	103124	NASH C E 82725	82753
NAKAO Y 97303	97395	NANIWA I 9927	38278	NASH D A 56429	55443
NAKAPRATEEP S	97396	NANNENGA-BREMEKA- 67964	67964	NASH D J 95045	
	48297	MP N E 67965	99109	NASH H M 4318	13633
	79373	NANNESON L 8462			13634
NAKARAI Y 12346	40950	NANNY J C 58769		NAUMANN J H 41233	41233
NAKASE S 36256		NANSON A 28088		NAUMENKO P 40710	40710
NAKASHIMA A 88072		NANTO V 25871		NAUMENKOV A I 15469	15469
NAKASHIMA K 85989		NANU A 91839		NAUMETS Z P 25343	25343
	85990	NAOHARA K 11810		NAUMOV A V 44937	44937
NAKASHIMA M 30400		NAPALKOV N V 102700		NAUMOV M P 57019	57019
NAKASHIMA S 40339		NAPAL C TEN 70754		NAUMOV P A 80048	80048
NAKASHIMA T 29247		NAPIER A N 72717		NAUMOV R L 73305	73305
NAKASONE H Y 10778		NAPIER C 53751		NAUMOV V A 18182	18182
NAKASONE T 92334		NAPIERALA H 32187		NAUMOV Z 50733	50733
NAKATA H 100720		NAPIER V M 47236		NAUMOVA A N 29557	29557
NAKATA M 9056	106019	NASH T A M 77675		NAUMOVA G A 101225	101225
NAKATA T 19196	37917	NASH V E 20547		NAUMOVIC B 28089	28089
NAKATANI S 45823		NASHCHOKIN V D 57465		NAUMOVIC V 87773	87773
NAKATANI Y 4203	52265	NASHED N 41450		NAUTIYAL D D 701	701
	93308	NASHKOV D 30958			37742
NAKATO K 41168	104399			NAUWELAERTS A 22126	22126
	41175	NAQVI R H 38751			25112
	41176	NAQVI S N 100356		NAUWERCK A 17859	17859
	54221	NARAHASHI T 53146			18452
NAKATSUKA S 41138		NARAIN A 18180		NAVA A 104019	104019
NAKATSUKA T 92943	92944			NAVA F J 70587	70587
	104156	NARAIN H 86322		NAVA G A 3883	3883
NAKAYAMA F S 38293		NARAIN I 108718		NAVASAS P C DE 38948	38948
NAKAYAMA J 28085		NARAIN P K 72129		NAVAKODI K 38870	38870
NAKAYAMA K 77728	88744	NARAIMURA T 93850		NAVALKAR B S 1543	1543
	88745	NARANG D R 107929			19129
	6926	NARANG G D 3232		NAVARA A 74610	74610
NAKAYAMA M 96898		NARASHIMHAM K L 35665		NAVARRA E DE 67002	67002
NAKAYAMA O 34068		NARASHIMHACHARI P 86314		NAVARRETE S C 78658	78658
NAKAYAMA S 31061	34068	NARASHIMHAM P 55667		NAVARRETE-GUJAR- 36257	36257
NAKAYAMA T 69277	74377			DO H 106499	106499
	29613	NARASIMHAM R L 48217		NAVARRO A 84164	84164
	29626	NARASIMHAM K S 71948		NAVARRO J 55655	55655
NAKAYAMA T O M 24606		NARASIMHAM M J 37518			78659
	96885			NAVARRO J R 51262	51262
NAKAYAMA Y 69270		NARASIMHAN R 1669		NAVARRO-BLAYA S 19375	19375
NAKAZATO K 81065		8603 8604	10547	NAVARRO-VELASCO A 69725	69725
NAKAZATO Y 83723		NARASIMHAN V 9096		NAVASERO S A 58894	58894
NAKAZAWA A 79692	88792	NARASIMHASHWAMY R 88356		NAVE W R 96007	96007
NAKAZAWA K 28866		L 44187		NAVEH Z 59364	59364
NAKAZAWA M 47502		NARASIMHIAH D S 66027		NAVELLIER MRS P 74522	74522
NAKAZAWA S 68527		NARAYAN K A 63027		NAVELLIER P 44098	44098
NAKEEB M A EL 29561		NARAYAN N L 63027			44210
NAKHIMOVSKAYA M I 76956		NARAYAN S 16718		NAVERSTEN Y 57094	57094
NAKHMANOVICH A L 11567		NARAYANA C S 66028			74445
	80375	NARAYANA H S 18600		NAVES Y R 7306	7306
NAKHMANOVICH B 15468		27576 58310	85601	45163 45164	45164
NAKHMEDOV F G 10234					
	48592	NARAYANA J V 83050		NAVIA H J M 104241	104241
NAKHUSHVILI 100995	69198	NARAYANA L L 18602		NAVIA J M 107406	107406
SH G		27577		NAVILLER R 15850	15850
NAKLADAL J 103576		NARAYANA N 38600		NAVON A 14277	14277
NAKSADADHI U 48663		NARAYANA R 9944		NAVRAIL B 63212	63212
NALBANDOV A V 13608		NARAYANAMURTI D 2930		NAVRAIL K 30298	30298
	21891	12240 12347	21651	NAVRAIL S 37465	37465
	72629	71461	81392	NAVREA G 32498	32498
		NARAYANAN E S 9993		NANA S 105497	105497
NALBANDOV O 32627		NARAYANAN K M 7305		NAWAGAWA O 108440	108440
NALETOV K 95939		NARAYANAN P K 20712		NAWARA W 52377	52377
NALETOV N A 81814		101467		104576 104577	104577
NALEWAJKA J D 24383		NARAYANAN R 2450		NAWAWY A S EL 23090	23090
	49465	51329 80447	87222	29562	102290
NALEWAJKA E 78657					60744
NALINI E 70000		NARAYANAN S A 26955		NAWAZ A S 44486	44486
NALMAN L 13325		NARAYANASWAMI S 27578		NAWAZ S M 12472	12472
NALSON J S 80624	97561	NARAYANASWAMY D 55113		NAWROCKA B 52880	52880
NAM S S 56473		NARAYANASWAMY P S 23841		NAWROCKI S 53704	53704
NAMBA N 42941		NARAYANASWAMY S 56474		NAY T 51900	51900
NAMBA R 32776		NARBAEV K 50306		NAYAK D P 72988	72988
NAMBA S 53113		NARCHUK E P 5297		NAYAK M L 42445	42445
	689	43061		NAYAR B K 18603	18603
NAMBIAR C K B 80192		NARDELLI L 81872		57674 58311	58311
NAMBIAR K K N 18181		NARDI A P 80910		58313 67895	67895
NAMBIAR K T K 62542		NARDI E 31594		78169 88427	88427
	59848				88429
NAMBOODIRI E S 35397		NARDI J L 24533		NAYAR J K 14885	14885
NAMBOODIRI K M N 19559		NARDIELLO R 32314			14937
	50092	42252		NAYAR J L 105745	105745
NAMBU S 39674	106832	NARDON P 23089		NAYAR K N G 62542	62542
	39676	NARDONE A 57363		NAYAR N M 78276	78276
NAMIKAWA O 47179		NARIANI T K 9237		NAYDENOV I 76315	76315
NAMIKAWA Y 46398		9239 47493	47524	NAYDENOV S 56475	56475
NAMIKI K 40019		47525 47526	47529	NAYLOR A F 14550	14550
NAMIKI M 35556	76553			NAYLOR A W 33109	33109
NAMITKA S 41345	72530	NARIKAWA T 27739		NAYLOR H B 45229	45229
NAMKEN L N 38294		NARIKESAWA K 44608		NAYLOR P E 29941	29941
NAPKODONG C 18750		NARIMOV U 16637		NAYUDAMMA J 35107	35107
NAMONT G 76671		NARINYAN S G 1191		NAYUDAMMA Y 25845	25845
NAMONT M 8113		NARISE T 5298			97159
NANA-NUKECHAP M F 71872		NARITA H 28753		NAZARCHUK A 45810	45810
NANASAWA N 40810		NARIZAWA F 93119		NAZARENKO I K 61944	61944
NANAVATI F D 44485		NARKIEWICZ-JODKO J 83381		NAZARENKO V 44261	44261
NANAVATTY M C 56753		83382			50398
NANBA S 83709		NARKIEWICZ-JODKO 94313		NAZAROK M I 90168	90168
NANCE E C 49887				NAZAROV A 97062	97062
NANCHEV I 82741	82778	NARKSWASDI T 35813		NAZAROV M I 29942	29942
NANDA B S 3643	3644	NARKSWI S V 13316		NAZAROV N M 100299	100299
	4398	NARTEN O 55051		NAZAROV S S 94551	94551
NANDA J S 18022		NARULA P N 68639			94552
NANDA K K 28086	50807	NARUSAWA T 81142		NAZAROV V I 75209	75209
NANDI P 88798		NARVAEZ O C 51562		NAZAROV V P 13374	13374
NANDOE K 97611		NARZIKULOV M N 5415			22425
NANDOPURI K S 28087				NAZAROVA N G 58770	58770
NANDY K 51561		NASCIMENTO C B 4741		NAZAROVA V N 29679	29679
NANDY S C 97159		NASCIMENTO J F DO 72833		NAZARUK G 91280	91280
NANEFF S 52642		NASER K 49469		NAZARUK M 29758	29758
NANERRERGER A A 16245		NASH A J 12030		69570 70588	70588
NANGEN K 90695	94608	40393	51099	NAZEER M M 65732	65732

NEFTYANOVA E	ITEM 31906	NELSON A P	7184	ITEM 15418	NEMETH J	ITEM 36962	NETTANCOURT D DE	ITEM 58435	NEUTEL H	ITEM 11524
NEGBI M	103288 104695	NELSON A W		47776	NEMETH K	60148	--CONT	100068	NEUVY A	16186
NEGME A	58771 78574	NELSON B H		102421	NEMETH L	2702	NETTELNSTROTH K	65306	NEUWINGER I	70428
	78576 89605	NELSON C		36173	41452	75518	NETTER Z	75140	NEUWIRTH G	38303 61083
	32704 51563	NELSON C A	16133	98099	NEMETH L J	61492	NETTEVICH E D	90045		61239
	98594	NELSON C D	19071	81417	NEMETH M	7922	NETTIG K	61534	NEVANO G	79174
NEGI G S	102475	NELSON C E	70135	100664	NEMETH M V	88868	NETTLES V G	59850	NEVELL T P	54858 61432
NEGI N S	38297 89606			79374	NEMETH S	18332	NETTLES W C	88631	NEVEROV G	42685
NEGI S	83980	NELSON C L	8436	91132	NEMETHI L	91281		93994	NEVES A A	60556
NEGI S S	61661 72515			108732	NEMIR A S	8261	NETTO D D	106683 107170	NEVES A S DE S	29943
	72643	NELSON C W	80911	91697	NEMITZ G	43929	NETTO J A G	14422	NEVES C M B	63960
NEGISHI B	66669	NELSON D C		19072	NEMODRUK A A	39706	NETTO J E DE P	9686		102398
NEGMS S A R	89814	NELSON D D		103535	NEMOTO H	3593	NETZEN G	7680	NEVES J B	27498
NEGOMESCU C	78711	NELSON D E		2951		4384	NETZER H J	50941	NEVES J DE B	9483
NEGOMIREANU V	2537	NELSON D L		14045	NEMOTO K	92508		67488	NEVES O DE S	48789
NEGOMY A EL	74745	NELSON D S		58094	NEMOTO M	35279	NETZSCH-LEHNER A	2228	NEVES V M DAS	62479
NEGORUSHKOV A L	102100	NELSON E		46017	NEMOTO S	47527	NEUBART S	85612	NEVEUX M	20892
NEGOMY A M EL	6386	NELSON E C	52553	52628	NEMTSOV M I	61236	NEUBAUER B	105009	NEVILL J R	47268
NEGOVSKII N A	19713	NELSON E E		37293	NEMTSOVA I	70231	NEUBAUER D	69278	NEVILLE P	108578
	27740	NELSON E M		36530	NENCINI G	37466	NEUBAUER G	108437	NEVILLE A C	95575
NEGRE R	57520	NELSON E P	72204	72205	NENE Y L	63849	NEUBAUER H F	78171	NEVILLE E	82812
NEGREA L	50625	NELSON E V		62517	NENNA G	37295		98918	NEVILLE E M	4658
NEGREA S	42935	NELSON F C		15640	NENOV TS	90990	NEUBAUER L W	96060	NEVINS A	17061
NEGREA ST	95103	NELSON F E	4090	72588	NEPARIDZE M	52337	NEUBAUER T A	102908	NEVIRKOVETS N	40027
NEGREANU E	10674	NELSON G	102330	102331	NEPESOVA M G	106273	NEUBERGER J	19651	NEVLING L I	17700
NEGRETTE F	30960	NELSON G A	9186	37294	NEPOMILUEV V F	70304	NEUBERGER A	79021		90442
	32161			47449	NEPOMNYASHCHII V	70381	NEUBERGER E	85732	NEVO A C	82538
NEGRI C	6300	NELSON G E N		6854	I	78827	NEUBERGER J W	77090	NEVORANEK Z	56199
NEGRI R	6210 64761	NELSON G G		81505	NEPRAS J	108441	NEUBERT A M	50307	NEVZOROV N N	102453
NEGRILA A	84792	NELSON G H		83874	NEPYSHNEVSKAYA V	104401	NEUBERT R	91303	NEVZOROV R	71646
NEGRIN-RAMOS P	1773	NELSON G L	24202	24277	V		NEUBERT S	6883	NEVZOROV V	25691
NEGRU A	9088 26956	NELSON G O	56097	53889	NERI A	93120	NEUBERT W	23133	NEVZOROV V V	1509
	67966	NELSON G S	3233	56733	NERI C	12469		95767		50103
NEGRU D	62865		13842	3876	NERI G	65542	NEUBERGER A	3082	NEWBERG R R	65874
NEGRU S	43374 105889		32496	84681	NERI L	96784	NEUBERGER E	45825		65875
	106144	NELSON I S	8730	69880	NERI S	103950	NEUBERGER J	4020	NEWBERNE P M	13418
NEGRUTIU E	103476 103577	NELSON J G		56241	NERNST C	107529	NEUBERGER W	55024		104193
	104284	NELSON J H	2410	6947	NEROZIN A E	40251	NEUFELD A H	19307	NEWBOLD P H	57189
NEGRUTSKII S F	9098	7026	34010	34010	NERPIN S V	49635	NEUFELD C H H	59048	NEWBOULD F H S	54535
	68176 100358		54122	103651	NERSTEN S	102473	NEUFFER G	54132		82247
NEGULFSCU M	31305	NELSON K C		11073	NERUM K VAN	80495	NEUFFER M G	68530	NEWBURGH R W	23638
NEGULICI E	73129	NELSON K E	24691	25500	NERVIK O	87481	NEUGART Z R	16355		105693
NEHER G M	52627 71776	NELSON L	54553	65589	NES A G A VAN DE	20044		44076	NEWBURY R L	80184
NEHER M B	97162	NELSON L A		76148	NES N	22373	NEUGASS L	15520	NEWCOMB D G	59743
NEHRING E W	55238	NELSON L B		80376	NES R	27804	NEUGEBAUER V	11416	NEWCOMB E H	9438
NEHRING K	3079 3080	NELSON L C		108601	NES R W	96517	NEUGEBAUER W	30441		99899
	12516 17418	NELSON L D		80376	NES RIT J M	92214		61081	NEWCOMB G B	8731
30801	21788	NELSON L E	80049	80050	NESSEN R	3393	NEUHAUS A	25690	NEWCOMB H	44398
30806	51429	NELSON L F		53931	NETSCHIL D M	6511	NEUHAUS G	3878	NEWCOMB L	67855
51430	82848	NELSON L J		36036	NESHCHADIM A G	65972	NEUHAUS H	60092	NEWCOMB R	72247 98065
	93101	NELSON L W	13860	82272	NESHEIM M C	13460	NEUHAUS M	98771	NEWCOMER E H	4138
NEHRING A H	79607			104131	22489 22545	72623	NEUHAUS U	15597		13537
NEHRING I	79607	NELSON M		73655	22554 22555	93121	NEUHAUS S	106725	NEWCOMER E J	87991
NEHRU J	17121	NELSON M E		51239	NESHEIM N K	26819	NEUHAUS R	27430	95488	95489 106020
NEI M	27741	NELSON M M		50961		46312	NEUHOLD J M	21392	NEWCOMER J L	59367
NEIDERMAIER K	48885	NELSON M R		58095	NESHEIM R O	51431	NEUKOM H	6034		59744 74879
NEIFAKH S A	59046	NELSON M W		40250	NESHEIM S	86306		55326	NEWDICK E L	17401
NEIKOVA-BOCHEVA E	40126	NELSON N M		18751	NESHEIM T	7992	NEUKOMM W	7993	NEWELL I M	94766
	102002	NELSON O E	47786	69242	NESIC C	56198	NEUMAER T	16721	NEWELL K W	34004
NEIL C M	52119			89291	NESIC LJ	62668	NEUMAN D F	7662	NEWELL L C	10476
NEILANDS J	22974	NELSON P E	9179	37408	NESIC P	62380	NEUMAN F	4400	NEWELL M E	25692 55327
NEILD J R A	39526	47336	47432	68250	NESIUS E J	76626	NEUMAN H J	103801	NEWELL R P	87304
NEILL I L	63774	NELSON P F	41022	51261	NESMAN E	76627	NEUMAN J S	15520	NEWELL S R	56304
NEILL J D	42316			61481	NESMITH D A	46099	NEUMAN M	103802	NEWHALL J H	13100
NEILL J W	1873	NELSON P V	38299	60451	NESMITH J	39735	NEUMAN V	3692 13073	NEWHALL W F	55004
NEILL M T	71494			80377	NESPIAK A	17904		30963 31729		79052
NEILL W K	21626	NELSON R	61532	61540		37009	NEUMANN A	51003	NEWHOOK F J	37297
NEILSEN D P	44939	NELSON R A		108940	NESPOULOUS J	49121	NEUMANN A L	3499	NEWIGER N	16959 56655
NEILSON C L	94168	NELSON R C		75210	NESSE P N	96986	51785	72791	NEWINGTON S T	45238
NEILSON H R	76316	NELSON R E		30184	NESSET H	90441	NEUMANN B	67010	NEWLAND H W	72069
NEILSON J A	99960	NELSON R F	28310	65450	NESSETH K A	6572	NEUMANN C	97686		103578
NEILSON M M	53493	NELSON R L	1050	38191	NESSETHA R	4974	NEUMANN C F	97095	NEWLIN O J	26233
NEILSON W T A	63644			38192	NESTASE O	59849	NEUMANN D	105747	NEWMAN A A	54319 64887
NEIMO L	3012 21620	NELSON R R	377	17903	NESTEL B L	21979	NEUMANN E	93585	NEWMAN A L	90988
	30659 61480	37008	67968	67969	22229 22230	72068	NEUMANN F	3647 16822	NEWMAN E I	68957
NEIMYSKI K	27330		100067	60067	NESTER P	49470	62579	103803	NEWMAN E J	45752 86613
NEIRINCKX L	38298	NELSON S H	10910	69881	49472	70136	NEUMANN F P	50893	NEWMAN I A	28392
NEIRINCKX L J A	28191	NELSON S O	1115	38300	70138	79173	NEUMANN G	49232	NEWMAN J A	22635 32328
NEISH A	34590			89607	100761	100834	NEUMANN H J	32497		77093
NEISH A C	38612 48609	NELSON S W	48766	61317	NESTERENKO L M	100836		82156	NEWMAN J C	20997
	89782 100663	NELSON T C	11995	50670	NESTERENKO D D	66440	NEUMANN J	69245	NEWMAN J E	10361 67656
NEISHTADT M I	67793			80981	NESTERENKO P	34364		100359		69703 89610
NEISWANDER C R	33588	NELSON T E		62866	NESTERENKO V G	51069	NEUMANN K	37736	NEWMAN J S	38304 79231
NEISWANDER R B	94419	NELSON T S	41235	41931	NESTERICHEV A	49993	NEUMARK H	41236	NEWMAN K	103324
NEITO-HATEM J	9951	NELSON W A	23156	32705	NESTEROV T S	93865		103125	NEWMAN L F	63354
NEITZCH H	44941	NELSON W L	11569	50102	NESTEROV V	14282	NEUMEYER F	64685	NEWMAN P	37115
NEITZEL K	48463	NELSON W O	3261	82501	NESTEROV V G	76922	NEUMULLER C	31459	NEWMAN P E	21879
NEITZKE A	15596	NELSON W R		49231	NESTEROV YU B	37112	NEUMYVAKIN A P	94209	NEWMANN E A	104542
		NELSON W W	48738	70154	NESTEROVA E I	50436	NEUNDORF R	3234	NEWMARCH C	55973
NEJEZ M	76624	NELSON-AUDISIO S		52105	NESTEROVA G S	2553		22302	NEWMARCH O H	71495
NEKPELOV YU	35322	NELTE E R		57817	NESTEROVICH N D	71157	NEUNZIG H H	33421	NEWNHAM A G	13538
NEKPELOVA R A	13715	NELYUBIN V P		13843		88055		73828		62868
	72815	NELZINA A V		81634	NESTLE A S	41780	NEUPER G	7422	NEWPORT C A	61392
NEKRASOV L I	48569	NEMATOX S F		27352	NESTLER W	5689	NEURATH H	54117	NEWREZELLA B	70890
NEKRASOV N YA	11072	NEMCHIN F I		19073	NESTOR K	41892	NEURAY G	68956	NEWSAM A	18183
NEKRASOVA T V	68723			79695	NESTOR K E	4204		100360	NEWSAM I D B	82248
NEL E E	8884	NEMCHINSKAYA V L		59046		35253	NEURUREN R H	90665		82253
NELAKANTAN S	55636	NEMEC A	50734	50984	NESTOROV N	41647	NEURURER H	11074	NEWSOM D W	25498
NELDER J A	19650			91523	NESTSYAROVICH M D	38301	59968	88632	NEWSOM H D	7028 56232
	37943	NEMEC B		57311	38302	46642		90700		98248
NELLBECK R	30183	NEMEC P	6205	27824	NESVETAILOVA N G	18453	NEURY G	83398	NEWSOM L D	7170 23601
NELLIST M E	100996	NEMECPEK J	20524	49852	NETEDU N	72575	NEUSCHAFER W	97063		94857
NELLOR J E	3035	NEMECPEK L	92543	103656	NETHERTON J D	49515	NEUSCHL K	86102	NEWSON H P	30577
NELMS G	4368	NEMECSEK J		90790		74139	NEUSER E J	11934	NEWTON D H	58830 59292
NELMS G E	82141 82206	NEMENZ H		63959	NETHSINGHE D A	60452	NEUSHUL M	691	NEWTON F E	44440 75118
	82799 86171	NEMES L		90440	NETIEN G	58772	NEUSS N	1390		107174
NELSON A A	26005	NEMES M	90791	90879		59047	NEUSSER H	30697	NEWTON G R	22615
NELSON A B	41646 103548			101745	NETKE S P	3646	NEUSTADT M H	34874	NEWTON J D	39736
NELSON A C	67967	NEMESERI L	30961	105121	NETO D D	84309		34919	NEWTON J P	69514
NELSON A G	45871 87050	NEMET P		7372	NETO L Z	105136	NEUSTADT M I	57467	NEWTON L E	98952
NELSON A I	15454	NEMETH D		59365	NETOLICKY J	30397	NEUSTEIN S A	61082	NEWTON L G	4205
NELSON A O	12512	NEMETH I		31023	NETTANCOURT D DE	837		81020	NEWTON M	2799 2840



	ITEM		ITEM		ITEM		ITEM		ITEM			
NEWTON M	--CONT	12061	NICKERSON D	107175	NIELSEN H E	42236	NIEUWENHUYZEN J A	106421	NIKOLAISHVILI Z G	60775		
NEWTON W T		101330	NICKERSON J T R	6019	NIELSEN H M	9485	VAN		NIKOLAJCZUK M	60782		
NEWTON P		9949	6030	7561	35398	28682	72188	82204	NIEUWHOF M	1970	10958	5106
NEWTON R		59745		85024	86234	NIELSEN H T	95144	20162	47338	59851	71199	
NEWTON W H		63496	NICKERSON T A	54671	NIELSEN J	396		NIEUWOUDT A D	70590	NIKOLAJENKO N P	102334	
NEWLAND L W		36099	65146	85317	106916	NIELSEN J L	94170		50308	NIKOLASHKIN A	78173	
NEYMARK M		87802	NICKERSON W J	79023	NIELSEN J P	6750		NIEVA A E	15674	NIKOLAYEVSKY V H	47778	
NEZAMUDDIN S		19544		99962	NIELSEN K	22944	27397		44262	NIKOLAYEVSKY V H	51432	
		87051	NICKLE C H	72088	NIELSEN K E	35668	56306	NIEWIADOMSKI W	20798	NIKOLAYUK V	32191	
NEZGOVOROV L A		18184	NICKLE W R	5186	NIELSEN K F	35958	103404		34885	NIKOLIC D	92016	
NG E K		38305	NICKLOW C M	48302			78664	NIEWIAROWICZ A	35016	NIKOLIC S	32982	
NGJELA L		90542	NICLAES J	77759			67172		55331	NIKOLIC-VIG V	59412	
NGU K H		2251	NICLAUS W	54539			92798	NIEZBORALA H	75441	NIKOLITCH R	56656	
NGOK W C		91676		54541			86479		23800	NIKOLOV I	108305	
NGOM M I		61839	NICOL D L	15419			84022	NIEZGODZINSKI P	82462	NIKOLOV P	72642	
NGU D V		5109	NICOL G	51903			94144	94241	95136	NIKOLOV S	46061	
NGUEN TAN		17491	NICOL J A C	83875			95145		55656	NIKOLOVA V	102395	
NGUEN VAN		17491	NICOLAE C	90046			16044	NIGAM B S	16293	NIKOLOVSKI T	18454	
NGUYEN H T		76317	NICOLAI H	43673			103196	NIGAM I C	35164	NIKOLSKAYA I S	13717	
NGUYEN V L		66670	NICOLAI J H	82285			103807	NIGAM M C	89893	NIKOLSKAYA M N	73767	
NGUYEN-BICH-HUE		35957	NICOLAIDES F	45191			22975	16332	52698	NIKOLSKAYA N I	36718	
NGUYEN-TRONG-ANH		45165	NICOLAISEN N	6902			55904	26106	107176	NIKOLSKAYA R M	79964	
NGUYEN-VAN-AI		42474		44773			86752		77969	NIKOLSKII E P	102457	
NHU-HUNG S		58775	NICOLAISEN W	58776			23886	NIGH E L	99443	NIKOLSKII N L	56546	
NI T S		100361	NICOLAISEN-SCUPIN	44773			61393	NIGHTSWANDER J E	24691	NIKOLSKII N M	36498	
NI AUSSAT P	5102	5105	L				13287	NIGHTINGALE A	30398	NIKOLSKII N N	70675	
NIBLER A		20548	NICOLAS J	52439			71777		105748	NIKOLSKYI V V	4570	
NIBLER C W		17341	NICOLAS J A	103840			52194	NIGORIO G	7247	NIKOLYUK V F	11354	
NICA A	32498	62050	NICOLAS J P	8610			52196	NIGRAM M C	68959	NIKONENKO M N	59588	
NICA S	18222	86874	NICOLAS P M	51262			15662	NIGRELLI R F	94621	NIKONOV A	107501	
		97752	NICOLESCU A	62800			13175		81494	NIKONOV G K	19370	
NICA T	22765	32190		104884			42194	NIHURA K	3519	19371	35399	
		32498	NICOLESCU V	31911			82305	NIHURA M	42840	79024	79025	
NICA V		10477	NICOLET J	3566			15642	NIHURA M	69883	NIKONOV V	16824	
NICANDER L		104021	NICOLETTI P L	103687			65175	NIHURA M	101746	NIKONOVA V A	67393	
NICHANAN M Z		26105	NICOLI J	53343			85475	NIHURA M	55535	NIKOPOUR H	32028	
NICHIPOROVICH A A		1391		95143			17063	NIHURA M	97081	NIKOV M	1117	
68958 69188		78793	NICOLI R M	23566			26427	NIHURA M	58032	NIKOV S	92099	
NICHITA G	72575	91868	53343	53375			87052	NIHURA M	88430	NIKULICHEV P	34339	
NICHOAISEN-SCUPIN		44773		77430			105034	NIHURA M	69949	NIKULIN T G	96518	
L			NICOLICIN S	61607			20714	NIHURA M	19074	NIKULIN V I	93310	
NICHOLAS C		28991	NICOLLE C	84881			59219	NIHURA M	80378	NIJVELD W J	70999	
NICHOLAS D J D		39794	NICOLLE J	78663			63775	NIHURA M	93122	NIJVELD W	14653	
		89892	NICOLLET	96490			83974	NIHURA M	63649	NIJWEIDE R J	85516	
NICHOLAS G A		93019	NICOLLS K D	100363			94318	NIHURA M	73214	NIKURASHIN E M	73966	
NICHOLAS H J		79022	NICOLOFF H	9611			50383	NIHURA M	85516	NIKURITSKII E V	72643	
NICHOLAS J		32254	NICOLSON D H	26843			46747	NIHURA M	90775	NILAN R A	18709	
NICHOLAS P S		107930	NICOLSON H	79556			94927	NIHURA M	34443	NIANKANTAN P R	4217	
NICHOLLS G A		91726	NICOLUCCI C	47663			15776	NIHURA M	60745	NILCA V	28913	
NICHOLLS J L		47662	NICOT J	99117			94553	NIHURA M	18009	NILEHN S	34333	
NICHOLLS J M		86749		99117			105299	NIHURA M	35816	NILES E	16346	
	86750	86751	NICOTA B	71342			105299	NIHURA M	92128	NILES G A	102081	
NICHOLLS P		58792		102701			43094	NIHURA M	70140	NILES O A	2654	
NICHOLLS P B		9950	NICOU R	75367			73617	NIHURA M	68177	NILOV G I	32628	
		28093	NICOVESCO H	96058			64025	NIHURA M	84450	NILSEN A	6473	
NICHOLLS R		9101	NICULESCU A	31393			76969	NIHURA M	28500	NILSON E B	9953	
NICHOLLS A J		108274		31393			92015	NIHURA M	100997	NILSSON A	58778	
NICHOLS B	33864	56098	NICULESCU M	10423			92015	NIHURA M	101055	15789	20045	
NICHOLS B C		50312		59394			92015	NIHURA M	35280	21892	26878	
NICHOLS B W		1392	NIDA-VON	87992			94318	NIHURA M	59472	67794	90443	
NICHOLS C G		18752	NIDE Y	33623			56099	NIHURA M	5796	5822	5871	
NICHOLS C R		96742	NIE C J VAN	3648			57813	NIHURA M	20799	24034	24035	
NICHOLS C W		37128		104885			92015	NIHURA M	50671	24037	24081	
	67333	76950	NIECE L H	59075			56099	NIHURA M	71158	24186	33568	
NICHOLS E		7711	NIECE R L	13094			57813	NIHURA M	21685	21697	95833	
NICHOLS E L		4206	NIEDERAUER T	25721			96618	NIHURA M	30705	103025	38843	
	22579	22648	NIEDERBERGER	92215			81143	NIHURA M	30019	103025	102772	
NICHOLS G DE LA M		13716	NIEDERBERGER O	92216			31596	NIHURA M	9952	9604	9954	
NICHOLS H W		37737	NIEDERER O	79609			81144	NIHURA M	39593	100908	101425	
	58315	99961	NIEDERFRANK E J	17062			42216	NIHURA M	99561	2398	2397	
NICHOLS J		6206	46234	87482			109147	NIHURA M	95920	19075	28777	
NICHOLS J D		20520	NIEDERHAUSER J S	37215			9346	NIHURA M	96219	99218	99781	
NICHOLS J M		57190	NIEDERMAIER K	48877			89060	NIHURA M	97332	102003	102005	
NICHOLS J R		62009	NIEDERMAN R A	22232			31957	NIHURA M	83876	105386	77769	
NICHOLS L P		8944	NIEDERMAYER K	48885			81143	NIHURA M	50105	50106	71246	
	37116	57750	NIEDERMEIER R P	33523			45702	NIHURA M	56858	60453	100979	
NICHOLS M		108733		62116			107414	NIHURA M	60454	60455	73411	
NICHOLS R	1876	89611	NIEDIECK H	88917			44940	NIHURA M	78045	78045	1665	
		100362	NIEDL W	21371			55328	NIHURA M	6335	6335	11079	
NICHOLS R E	13093	12978	NIEDMANN G	51563			55329	NIHURA M	65901	292	22704	
		41685	NIEDZIELSKI P	73965			92960	NIHURA M	57979	101644	101681	
NICHOLS R L		33567	NIEDZIELSKI Z	55933			2701	NIHURA M	49234	49235	107378	
NICHOLSON B E		59746	NIEFNECKER W	11988			61201	NIHURA M	49235	49235	22436	
NICHOLSON B M		80626	NIEH H M	100365			73534	NIHURA M	16045	16045	40756	
NICHOLSON D D A		72352	NIEH H T	56305			11352	NIHURA M	79964	80627	4572	
NICHOLSON D I		51070	NIEHAUS H	13607			49474	NIHURA M	103835	40474	50578	
NICHOLSON E M		108613		98115			101161	NIHURA M	24115	83111	71863	
NICHOLSON G		27485	NIEHAUS M H	69424			16023	NIHURA M	68960		93792	
NICHOLSON G W E		71044	NIELEBOCK W	104769			7607	NIHURA M	93309	128	76318	
NICHOLSON H B		41054	NIELSEN A	42942			8053	NIHURA M	45696		72999	
NICHOLSON H H		1605		51670			97885	NIHURA M	46688		104194	
	29915	31392	NIELSEN B B	96436			88185	NIHURA M	92509		61662	
		103559	NIELSEN B O	52613			78054	NIHURA M	11278		13095	
NICHOLSON H P		17271		23684			87054	NIHURA M	1278		31459	
NICHOLSON I A		19653	94926	95063			18604	NIHURA M	54603		26957	
		108620		95064			56200	NIHURA M	72070		22233	
NICHOLSON J		22551	NIELSEN C L	27506			97671	NIHURA M	66278		52630	
NICHOLSONSON												

ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
NINAN C A 37882 69726	NISTOTSKII N N 76070	NODARAYA V L 103008	NOOK H K 76703	NORMAN C 22177	ITEM
78195 100070	NISULA A 16587	NODDEGAARD E 14137	NOONAN J B 79328 93995	NORMAN C W 107873	
NINAN C C 26107	NISULA P 30635 51071	23236 99363	NOORBOOM C M 46100	NORMAN D W 75618	
NINMEMANN H 27983	NISWENDER G D 81993	NOODLAND T R 16911	NOORDAM J 6341	NORMAN E M 108105	
NINNI U 103495	NITA A 93585	16912 16929 35904 35919 45936	NOORDAM-VEEZET J 98490	NORMAN L 7487	
NINOMIYA S 10810 93123	NITA L 90934 90935	NOODWELL J H 108707	NOORDSY J L 103735	NORMAN M J T 9956	
NINOMIYA W 62401	NITOIU L 103307	NOOZAK B 83112	103808 22829	10518 10519 12905	
NINOV N 39853 101868	NITSAN Z 22649	NOE C J 109163	NOORDWIJ J VAN 22829	59103 72072 82096	
NIPKOW F 109114	NITSCH J P 19077 28095	NOEGEL K A 510	NOORLANDER D O 3649	NORMAN N 75097	
NIPP R E 45468	28096 38307 78665	NOEL J K 42024 93311	NOORT L VAN 26931	NORMAN P A 14201 63650	
NIR A 102586	NITSCHKE K 15066	NOEL P 72449	87201 97984 108534	NORMAN P F 48566	
NIR I 62778 93059	NITSCHKE G 65307	NOEL P R 72415	NOORT P C VAN DEN 44942	NORMAN R H 98452	
NIR-GROSSELD I 54133	NITSCHKE R A 39052	NOEL R 55905	86876 87276	NORMAN R O C 45269	
NIRULA K K 14136 37512	90522	NOELL G 45697 46518	NOORTGAETE C H 71647	NORMAN S 6167	
37519 42613	105155	NOELLENBURG H 85687	NOORTGAETE C H 71647	NORMAN S M 75342	
VIRULA S 9603 27579	27579	NOENS P 17761	NOORTGAETE C H 71647	NORMAN T 95491	
	47890	NOEST J 2554	NOORTGAETE C H 71647	NORMAN W C 30622 30623	
NISAL M B 65846	NITSENKO A A 9347	NOETHLICH H E 7205	NOORTGAETE C H 71647	40953	
NISALAK A 83249	NITSUYAMA N 20452	NOETZEL D M 25978	NORBECK C C 22705	NORMAN W F 94171	
NISBET D I 4419 42179	NITSKOVSKAYA O P 9955	67519 1221	NORBO M T 60456	NORMAN D 27581	
NISCHWITZ J 106405	NITTA H 28503	NOGGEL G R 1221	NORBURG M E 31709	NORMAND F L 65704	
NISEN A 33906 96050	NITTLER L W 58779	NOGGEL J C 38308	NORBY J E 12822	NORMAND M 61795	
	106482	NOGIN N 53611	NORCIA L N 48306	NORMAND M L 107307	
NISHI H 83702	NITTONO Y 83703 83705	NOGINA V T 81817	NORCIO L V 76230	NORMAND W C 89626	
NISHI S 69674 79424	NITU C 71391	NOGUCHI A 67905	NORCROSS G C 27161	NORMANHA E S 79723	
	84338	NOGUCHI H 105975	NORCROSS M A 62244	79930	
NISHI Y 4818	NITU T 10959	NOGUCHI I 10236	NORCROSS N L 103652	NORMING H 12114	
NISHIBATA K 25427	NITZ H J 98013	NOGUCHI K 17543	NORD E C 1612	NORMINTON A J 26825	
NISHIHATA Z 34745	NITZELIUS T 17542	NOGUCHI M 40952 48305	NORD F F 2926	NORO K 55657	
NISHIDA J 42838 44414	88357 692	51088 51093 71412	NORDBERG B K 79026	NORO T 28099	
NISHIDA K 19076 33780	NITZSCHE G 69571	102946	NORDBO H 53954	NORONHA F DE 32499	
	91133	NOGUCHI N 19078	NORDBO M T 26822	NORQUAY J 7108	
NISHIDA M 27743 88430	NITZSCHE M 91116	NOGUEIRA A P 19372	26823	NORRAB E 3862	
	99964	NOGUEIRA F E B 24960	NORDBOTTEN D 73412	NORRGARD A 60557 74085	
NISHIDA S 31763 32329	NITZSCHE W 79327	NOGUEIRA-NETO P 53072	NORDBOTTEN L 82871	NORRIS C B 61418	
	51805 103379	63746	NORDBOTTEN L 82871	NORRIS D M 14544 42747	
NISHIDA T 5416 14654 18185	14316 62869	NOGUERA A 76901	NORDBOTTEN L 82871	NORRIS E B 32520	
	102593	NOGUES J 52326 62970	NORDBRING F 44328	NORRIS D O 2229 90936	
NISHIGAKI J 94928	NIWA T 2988 4328	NOGYO-KIKAIKA-KE- 33569	64411 74058 84580	NORRIS E B 2948	
NISHIGAKI S 90543	30764 72857	NOHARA Y 102703	84581 84582	NORRIS F W 55368	
	108734	NOHE E 59969		NORRIS G 58964	
NISHIGORI M 32085	NIX J F 43614	NOHRE C O 7889 108444	NORDEMAN B H 75442	NORRIS J 39484	
	87200	NOILHAN 84830	NORDEN A J 68962	39486	
NISHIGUCHI C 83564	NIX J S 35841 84682	NOILHAN H 8049		NORRIS J A 67173	
NISHIHARA M 40951	NIX R R 71986	NOILHAU 56067	NORDEN F 90048	NORRIS J J 20290 27451	
NISHIHARA R 16825	NIXON C W 62649	NOIRFALISE A 27432	NORDENSKIOLD H 9486	NORRIS J R 33019	
NISHII K 1118	NIXON E S 27431 78046	NOIROT C 53584	NORDENSTAM B 36886	NORRIS K H 107502	
NISHIIRI K 100366	99782		46897	NORRIS K R 94172	
NISHIJIMA O 104273	NIXON H F 66163	NOJIMA K 20930	NORDENSTAM R B 77372	NORRIS M J 94656	
NISHIKATA T 30020	NIXON H L 18297 18298	NOJIRI H 96220	77373	NORRIS R 7488	
NISHIKAWA G 76326	NIXON K M 102697	NOJOKU-OBI A N 41874	NORDENSTAM S 17762	NORRIS R E 1751 79463	
NISHIKAWA H 22266	NIXON P R 2113 60102	NOJOKU-OBI J C 41874	17762	NORRIS W E 100368 100493	
NISHIKAWA K 27950	NIXON R W 59527	NOLAN C N 38309	198911	106145	
NISHIKAWA T 52289	NIZAMI S M H R 86312	NOLAN C N 76948	NORDESTGARD A 19687	NORRIS J G 22976	
	93159 104375	NOLAN J 4742	NORFELDT S 22104	NORRMAN E 31205 51787	
NISHIKAWA Y 3036	NIZAMUDDIN M 99039	NOLAN M 84683	72071	82097	
22828 30749 30760	NIZAMUDDIN S 100998	NOLAN N J 100213	NORDGREN N 51786	NORRMAN G 38845 49636	
31836 35817 42195	NIZI G 42696	NOLAN P 3978	NORDHAGEN R 98932	100999	
72857 72858	NIZKOVSKAYA O P 36657	NOLAN V J 62623	NORDHEIM W 38310 78666	NORSK-FRUKTOYRKA- 10610	
NISHIKETANI S 83447	NIZNANSKY A 68872	NOLAND P R 15309 63213 106459	NORDIN B 21580	NORSKE-HAGESELSK- 8945	
NISHIKY G 13205	NIZNANSKY F 12674	1461 2484	NORDIN I 17763	AP	
NISHIMATSU I 13056	13096	NOLANG R 1461 2484	NORDIN V J 50475	NORSKE-SKOGSELSK- 11896	
NISHIMOTO K 51132	NIZOVSKY B 21621	7308 19545 19686	NORDINE R 2841	AP	
	51139	7307 20289 70141 70142	NORDINE R M 1877	NORSKOV-LAURITSEN 50895	
NISHIMURA H 15853	NJEMIROVSKIJ Z 76861	79177 80379	NORDIO C R 31839 31958		
	35865	68961	31958		
NISHIMURA I 43674	NJOKU E 100367	NOLD T 75339	NORDKVIST M 3187	NORSTOG K 694 19080	
NISHIMURA K 65451	NJOKU J E 7608	NOLDNER H 30964	NORDLI E 608	NORTH C 58437 59892	
	97254	NOLDNER H 30964	NORDLI S 74717	NORTH C J 69704	
NISHIMURA M 19280	NJOKU-OBI A N 41874	NOLEN J T 108533	NORDMAN A F 14200	NORTH I G 60457	
NISHIMURA S 18186	NJOS A 11675 80484	NOLEN T D 76074	17764 19079 84196 84197	NORTH J J 98452	
NISHIMURA T 1447	60086 70305 80484	NOLES R K 4281 7373	84196 84197	NORTH R L 62524 66330	
	101747	NOLL A 37298 68178		NORTH W J 89029	
NISHIMURA Y 60284	NOACK D 21449 41101	NOLL C J 20295 29293	NORDMAN L 21591 81497	NORTHCOE D H 58316	
	63317	91774 29294 29296	102980	NORTEN W T 37117	
NISHIO D 72980	NOACK R 27312		50627		
NISHIO T 16443 79175	NOACK W 64479	NOLL C R 10168	61288 61482 61483	NORTHMORE J M 46600	
	28502	NOLL J 23887	76041 91731	2485	
	87055	NOLLE H H 29297	24141	NORTHWAY R B 104124	
NISHIRA H 16247	NOAKES D N 68016	NOLLER C H 71611 80141	38704 38705	NORTJE B K 75266	
NISHISAKA S 33889	NOAMAN M A 43931	NOLLER H 32736	13434	NORTON G 69279	
NISHITOBA A 33814	NOBARA M 96351	NOLTE B H 60645 80628	13435 41893 42300	NORTON H L 67334	
NISHITORI H 20163	NOBE K C 8027 76527	NOLTE D J 29330	45224 82539	NORTON H W 13797 52578	
NISHIUCHI H 79176	NORECOURT P 87996	NOLTEE F K A 49236		62666 93611 104185	
NISHIURA M 28094	NOBEL T A 3647 4400	NOMM E 92017 93868	NORDSTROM F 95490	104423	
NISHIURA T 97303 97395	62579 103803	NOMMIK H 11860	NORDSTROM G 83053	29099	
	97396		NORDSTROM J 104778	NORTON J D 20894	
NISHIWAKI K 96382	NOBILI G F 52413	NOMOTO S 93257	NORDWIG A 45025 55435	29944 107250	
NISHIYAMA H 31114	NOBILI I 31396	NOMOTO T 90171	NOREN B 2919	NORTON N J 8606	
	31764	NOMURA I 30220 80821	NOREN I 61450	NORTON R A 33927 69706	
NISHIYAMA I 838	NOBLE A G 66226	NOMURA K 32629 63570	NOREN O 24125 24126	NORTON T B 38311	
18753 47891	NOBLE C 3932	105300	24127 25551	NORTON V J 97887	
	78174	NOMURA M 28098 28177		NORUM E B 60458	
NISHIYAMA T 31509	NOBLE E R 44774	41782		NORWOOD J P 3650	
32569 35902	NOBLE I T 15398	106997	NORGAARD I 23869	NORWOOD L F 44657	
NISHIZAKI Y 38306	NOBLE L W 23191 73821	2573	NORGAARD P 85364 96477	44657	
NISIOKA T 18606	NOBLE M 27150	NOMURA Y 2573	NORGES-BUNDELAGE 12723	97986	
NISIZAWA K 41130 41139	NOBLE NESBITT J 5625	NOBAMI K 85615	NORIEGA V M 7085	NOSBERGER J 38671	
	42841 14975 43375	NOBAMI Y 26183		78667	
NISKANEN E 3022	NOBLES M K 106111	NONGE-ZEGARRA R 30619	NORIN B N 27433	NOSE H 39738	
NISKANEN M 12062	8860	NONN MRS F 107098	NORIN S 108630	NOSE K 49741	
NISLEV H 8438	NOBRE J M 61744	NONNECKE I L 1952	NORIN T 21643 48594	60149 101748 101749	
NISSAN A H 41140 61425	NOBREGA P 109261	1971 39390		293	
NISSEN C K 6903	NOBUCHI A 42795	NONNENKAMP H K 17272	NORING L 74209	NOSE I 73161	
NISSEN J 77021	NOBUTO K 63317	87868	NORKRANS B 38602	NOSEK J 23157 43377	
NISSEN M 51433	NOCETTI J A 97886	45574	NORLIN H G 31398	94139	
NISSEN P 48593	NOCKRASHY A S EL 16309	43014	NORLINDH T 693	NOSENKO N M 83645	
NISSEN T V 29563	41347	105301	NORLING-CHRISTEN- 88028	NOSEKOV A I 102495	
NIST B J 51326	NODA A 27580	94929	SEN O	NOSEKOW J J 5465	
NISTOR M 893	NODA K 28097	1119	NORMAN A G 1130 19442	NOSEKOV A I 51788 103126	
NISTOR P 93327	NODA R 41782	30965	29569 60223	86981	
NISTOR T 75602 81915	NODA S 41782	20576		80121	
	93837 103875	64611 97493	NORMAN B B 103745	NOSEV A K 69002	



NOSOV M S	73967	ITEM	NOWACKI E	--CONT	79027	NUR U	--CONT	57553	OARDINALI M	74160	ITEM	OBUKHOV A N	70306	ITEM
NOSOVA L I	99783		NOWACKI H		95742			95168	OATES J T	70591		OBUKHOVA Z D	51434	
NOSSAMAN N L	9957		NOWACKI J		31597	NURET H	16134	25694	OATES W J	51089		OBUKHOVSKII V M	16873	
NOSSAIR M A	68963		NOWACKI T		76629		25695 44943	85994	OTMAN B R	14192	23303	OBYDENNOV V A	104786	
NOSSEN D	17407		NOWAK A		107893			107503		23319 23888	42697	OBYRNE J C	97634	
NOSTI J	77375		NOWAK B		37883	NURGIZARINOV A		80381		42698 42699	52958	OCALLAGHAN J A	16960	
NOSTI VEGA M	35190		NOWAK E		22556	NURI Q		94554	OBA K		63651	OCALLAGHAN J P	20451	
NOSTI-NAVA J	106176		NOWAK H	62971	99444	NURIT F		1047	OBA T		93490	OCARROLL F M	38672	
NOSTICZIUS A	39661		NOWAK J I		67629	NURITOV A	66829	67082	OBANNON J E A		100369	OCEAN C	24649	
NOSSYK D F	3235		NOWAK K		52631	NURLYBAEVA R		3792	OBANNON J H		30177	OCH F F	96208	
NOTESTEIN F W	56723				60745	NURMAKOV N		40254			516	OCHABA A	70827	
NOTH N	59747		NOWAK M		983	NURMI E	13097	71826		9291	88940	OCHALSKA L	49877	
NOTHOURFT H	8732			48878	72073			92512	OBANNON R H		104797	OCHI H	17837	67906
NOTHERS P	41883				101010	NURMISTE B	27331	37467			104798			
NOTHMANN Y	58869		NOWAKOWSKA K		35171			99634	OBARA K	33571	33657			
NOTSUKE I	31510		NOWAKOWSKI A		71274	NURSE M S H		67496		64506	84451	OCHI K	93124	
NOTSUKI I	64393		NOWAKOWSKI J		51257	NURY F S	55005	85818	OBARA S		55416	OCHI M	91282	
NOTT S B	33865			62768	89612			85819	OBARA Y		106021	OCHI S	37111	
NOTTINGHAM P M	107677		NOWAKOWSKI J T		5299	NUSBAUM C J		58126	OBARSKI J	23801	63571	OCHI Y	3237	61841
NOTZOLD K	108446			95065	105749			68332		63572	73215			104404
NOTZOLD T	36658		NOWAKOWSKI K		34888	NUSCH D		77677		101552	105208	OCHIAI A	27168	
	67735			49353	75330	NUSE K H		106658	OBATA S		80822	OCHIAURI D A	57624	
NOUES H E	13844		NOWAKOWSKI W		38256	NUSSBAUMER A		108639	OBATA Y		38575			
NOUGAREDE A	18607		NOWE-ROLNICTWO		5989	NUSZBAUMER J		17016	OBATON J	81827	85735	OCHIR ZH	1613	
	18608	27582					27098	46077	OBATON M		70383	OCHKILAS D	1558	79248
NOUGUES M	76964		NOWERS J H		22274	NUSSBAUMER R		48280	OBINK J G		80629	OCHKINA I I	51788	
NOUR H	63713		NOWICKI A	11573	29761	NUSSI E		64985	OBEE H	7206	12823	OCHOA C M	57626	
NOUR J J	88881		NOWICKI B	51671	61991	NUSSLEIN J	6656	75119	OBEOID H M	62183	62494	OCHOA D	46519	
NOUR M	20164			72929	81982	NUTI C		92217	OBEOID M		9703	OCHOA L H	19600	
NOUR M A	88881					NUTILE G E		78668	OBEOID M H		51191	OCHOA S	60208	60212
NOURISH W H	57883		NOWICKI J		20798	NUTLEY J		249	OBEL A L		104021	OCHOA-DE-MASRAMON	27402	
NOURRISSEAU J G	47323		NOWICKI L		92511	NUTMAN F J		57982	OBENBERGER J		94932			
	47324		NOWICKI S		43216	NUTMAN P S		38315	OBER J	4212	5919	OCHOA-Y-OCHOA O	107577	
NOURSE E F	2555		NOWICKI W		7609	NUTT G B	73919	106319		15310	15311	OCHRYMOWICZ F	71344	
NOURSE E G	54478		NOWINSKI M	17611	90702	NUTTALL M		56859		43772	53957	OCHS B O	82249	
NOURSE H C	70004		NOWOSAD F S		101430	NUTTALL V W		47436			74210	OCHS G	18334	
NOUSSITOU P	24244		NOWOSAD R	52070	72131	NUTTARANKA S		49063	OBERRACHER M F		65636	OCHSE R	67494	
NOUVRIT H	97753		NOWOSIELSKI J W		14926	NUTTER G C		67493	OBERRDORF F	10362	17356	OCHSNER P	7306	
NOVAES S C	72691			53541	94006	NUTTER W		96743	OBERG J C		30598	OCIO E	32393	
NOVAIS M	27313		NOWOSIELSKI D		28100	NUTTING E F		82502	OBORG J		30546	OCKERMAN H W	55444	
NOVAK A	19041			39796	48307		104151	104152	OBORHOLZER J J		4658			72532
	68934		NOYELLE G		60211	NUTTING W B		13908	OBORLANDER H E		28276	OCONNELL J	13433	
NOVAK A F	107747		NOYES C F		54265	NUTTING W L		83522	OBORLE D		39054	OCONNELL N A	109213	
NOVAK A V	20715		NOYES J		160134	NUTTONSON M Y		48665	OBORLE G D		39053	OCONNELL P	35913	
NOVAK B	29565		NOYES J H	21491	21674	NUZHODIN N I	69425	88073	OBORLEIN A		41102	OCONNELL R A	6657	
	79965				91526			9487	OBORLEITNER W		66830	OCONNOR E M	46315	
NOVAK D D	10237		NOZAKA M		38629	NYAKO K D		9488	OBORLIN M		21695	OCONNOR K F	10490	
NOVAK E K	99110		NOZAKI C		6655	NYAMSANJAA D		52879	OBORLY G H	60459	60460		10481	10482
	99110		NOZAKI H	107641	6655	NYARADY A		61931		80382	80383			49901
NOVAK J R	104219		NOZAKI Y		93622	NYARADY E I		8733	OBORMAN E		91800	OCONNOR L K		3757
NOVAK K	64283		NOZAWA S		82580			36693	OBORU Y P		717		31115	41718
NOVAK M	61663		NOZDRUNOVA E M		69234	NYBERG A	18012	36887	OBORRY P A		103446	OCONNOR N G		17408
NOVAK R D	11355		NOZDRYAN-PLONICKI J		45067			18187	OBORRY P J		103647	OCONNOR R	5466	95343
					83054	NYBERG A J	75314	88797	OBORST F H	3756	71779			105122
NOVAK V F	13011		NOZERAN R		77376			87185		72074	92513	OCONNOR R T		97244
NOVAK V J A	42878		NOZHICHEV S		82535	NYBERG E	79330	109091	OBORSTEG J I		92879	OCRAIN C	22501	92879
	42878		NOZHIN M I		5690	NYBOM N	10647	25444	OBIGER G	34306	41649	OCASAG I	41828	92218
NOVAK Z	52656		NOZZOLINI V		1499		44697	48596			62329	OCAG I A		72465
NOVAKOVA J	15928		NTAILIANAS H A		44291	NYBOM O		106146	OBHIRO-EIRIN-KY-		11928	ODA T		94882
NOVAKOVA Z	1962				74794	NYBOM R		98615	OKU			ODAGIRI S		106916
NOVE A	45826	66672	NUBER K		83772	NYBORG E D		106320	OBIKAWA S		29860	ODANI N		89031
	76075	97754	NUCHTERN M		15676	NYC J F	1426	9725	OBILATI B		24187	ODANIEL W	5842	47145
NOVELLI G D	38586		NUCKOLS G N		35191			78932	OBILATI G		5872		74032	102211
NOVELLO J C	74972		NUDEL F		105459	NYCZAK T		74223	OBLOCINSCHI A		59229	ODARTCHENKO N		92728
NOVER I	9102	27145	NUERNBERGK E L		9987	NYE E R	14711	64072	OBMINSKA J	41348	59132	ODARYUK N A		29726
NOVEROSKE R L	37299		NUESCH B	38846	79329	NYE H		56203		60646	61932	ODAY L C		96796
	37300		NUESCH J	38312	69319	NYE I W B		64214	OBMINSKI Z	71198	89030	ODDO G	11935	44126
NOVI-LENA E G	5971		NUESSE C J		36021	NYE W P	53073	53074	OBMSOV V P		4508	ODDOE P		33512
NOVICHIKHIN V A	71192		NUFFER G W		51516			73101			32500	ODDOUX L		89613
NOVICK A	3818		NUFFER L	66947	66948	NYEKI J	10297	20676	OBNOVLENSKII V M		71159	ODE H J		17444
NOVIELLO C	77770	77771	NUFFIELD LORD		77011			40029	OBOLLENSKII K P		26545	ODEGAARD M L		60647
NOVIKOV A	33570	39795	NUGARA D	13465	22611	NYERGES MRS P		74627			87057	ODEGAARDEN A		69675
NOVIKOV A A	19894			22830	31803	NYESTE L		64875	OBOROV A		90630	ODEGARD P H		86596
NOVIKOV E A	27533				104794	NYGAARD A	24243	43766	OBOROV P H	49813	105389	ODEL G D		22105
NOVIKOV G A	81200		NUGENT J P		41023		64612	76073	OBORACZKA R		91352	ODELIEN M	17442	19032
NOVIKOV V	86480		NUGENT T J		18011	NYGAARD M		90444	OBRAZTSOV N S		14886		67605	80384
NOVIKOVA V I	79159		NUGERA D		62328	NYGAARD O	17387	76973		73829	106022	ODELL A G		79333
NOVIKOVA V K	86935		NUGMANOVA K M		68330	NYGAARD P		284	OBRAZTSOV S A		61343	ODELL B L	13408	62871
NOVILLA M N	72249		NUI N		24678	NYGAARD V		54615	OBRAZTSOVA N R		45827			62901
NOVINSKAYA V F	3863		NUJIMA T		14339	NYHAN J F	22234	72250	OBRAZTSOVA V I		68967	ODELL G D	45132	82098
	61840	62518	NUKUMIZU T		79696			93741	OBREJANU G	2399	101674			82099
NOVITSKAYA E I	101429		NUKUTSCH W	38313	38314	NYHLEN A	19081	28914		101869	102210	ODELL L D		108928
NOVITSKAYA L A	14217		NUMADA H		93489		29299	49086	OBRENSTEIN B		74521	ODELL R T	60291	80148
NOVITSKI E	64033	83975	NUMAJIRI Y I		22972	NYHOLM E	162	163	OBRESHKOV K		31681	ODEN S		40030
NOVITSKII I I	107748		NUMAKUNAI T		22972	NYHOLM I	21218	21301		31960	92013	ODEN T		17288
NOVOA A F	52380		NUMANABE T		28505	NYIRADI L		30116	OBRETEANOVA L		28198	ODENEAL J F		94130
NOVOBRANTSEV F K	84339		NUMANS S R		92913	NYIREDY I	12675	22235	OBREZANOV I I		72075	ODENWALD N		20056
NOVOBYTOV A A	102804		NUMATA M		58157	NYLINDER P	12223	81442			32273	ODHAM G		104455
NOVOVORSKI L	51232		NUMATA Y		40515			102974	OBRIAN C A		95066	ODHIAMBO T R		5417
NOVOGRUDSKAYA E D	21035		NUMIC R		57981	NYLUND R E		19072	OBRIAN L B		33335	ODIN YA		80599
	29566	70891	NUMMI M		16096	NYMALM B		102706	OBRIEN C		93587	ODINOCHENDO O N		51505
NOVOGRUDSKII D M	76956		NUNBERG M	33110	94930	NYRKOV N V		25411	OBRIEN C D		106476	ODINTSOV P N		81608
NOVOKSHCHENOV A M	88110				94931	NYSTERAKIS F		58780	OBRIEN C W		105697	ODLAND L M		109241
NOVOSELOV M V	31399		NUNES J C C		92442	NYSTROM B	71430	74262	OBRIEN H R					

ODREANU T	ITEM 30685	OGG W E	7783	ITEM 35673	OHSHIMA K	ITEM 82638	OKOSHI S	3864	ITEM 3865	OLESIUQ O M	ITEM 62873
ODRICH	90703			66673	OHSHIMA K I	22972	41784	62520	72413	OLEWINE D A	31708
ODRISCOLL E P	11754	OGIELSKI L		86180	OHSTA J	37739		82394	92914		32706
ODRISCOLL J	91593	OGIEVSKII V D		102712	OHSTA N	58436	OKROS MRS I	102893	OLEXA A	OLEYNIKOVA T V	83877
ODUM H T	78047	OGIEVSKII V V		61153	OHSTA T	839	UKRUSZKO H	29604	50012	OLEZ H	89657
	100370			102540		107749	89032	89981	90172		38530
ODUMANOVA-DUNAIEVA	73102	OGIHARA S		71345	OHSTA Y	18755			91283	OLLEN C R	48310
G A		UGILVIE C		60087		66029	OKTABA W		93020	OLIMPIEVA M F	48311
ODYNETS R N	51435	OGILVIE J R		74182	OHSTAKI T	53483	OKTYABR D		28508	OLIN F H	104022
51436	52402			106364	OHSTO M E	71108	OKU H		18189	OLIN R W	61290
ODYNSKY W	11410	OGIMOTO K		92021	OHSTUKI T	89616	OKUBO E		3642	OLIVA O	31632
		OGINO K		84455	OHVI J	130	OKUBO K	13986	13987	OLIVE A T	23760
OECKER N F	49354	OGINO M	33572	33658		67857	OKURO M	31961	32089	OLIVE L S	37888
OECH A	15244	OGINO T	43631	51325	OHYAMA H	1123	32090	32091	33574	OLIVEIRA A J DE	505
OEDEKOVEN	50476	OGITA Z		5301	OIJEN W H A T VAN	63179	35820	35905	93021	OLIVEIRA A R	47509
OEDEKOVEN D H	21066	OGLESBY M C		51906	OINDEN E	47664	97890	97891	97788	OLIVEIRA A S C DE	90173
OEDEKOVEN K H	70920	UGLESBY W T		14078	OISHI K	66308	OKUBO D	26109	55658	OLIVEIRA C M DE	93494
OEEN F	46316			103809	OISHI U	32501	OKUBO T	32092	32092	OLIVEIRA M M DE	19373
OEEN V	6512	OGLEY R C		8287	OISHI Y	25379	OKUCHI S	20427	29763		38549
	20717	OGLEZNEVA V V		89338	OISHI Z	40790	OKUDA A	19084	38176	OLIVEIRA N P DE	42159
OEHLER H	77013	OGLIO C DALL		76034	OITAVEN A V	11812		39783	100473	OLIVEIRA R DE	107219
OEHLER T	70755	OGLOBINA E F		10408	ITITICIA J	43289	OKUDA H		41775	OLIVEIRA R V DE	64987
OEHLING B C	39033	OGLOBLIN A		64162	OIWA K	23491	OKUDANI M		87146	OLIVENCIA P	87549
OEHLKE J	84096	OGLOBLIN A A		52884	OJA J	88172	OKUI K		105492	OLIVER A C	61407
OEHME F W	51687			53447	OJALA A	97111	OKUMA M	41104	71462		91775
OEHME H	28755	OGLOBLIN N E		12847	OJAY E	62519	OKUMURA A	30401	66308	OLIVER A D	14887
OEHME H J	92961	OGLOBLIN A E F		10409	OJEDA-HERRERA J P	1666	OKUMURA J	39970	72595	42782	23087
OEHRENS-BERTOSSI	99445	OGNERU D		92486	OJERT R	97888	OKUMURA T		105848		63573
E		OGNEVSKII V V		102426	OJHA P D	26502	OKUN G S		84546	OLIVER C S	29300
OEHRING H	21893	OGNYANOV D		32224	OKA C	28838	OKUNIEWSKI J		26670	OLIVER D R	14387
OEHRING M	53726	OGONOWSKA B		45828	OKA H I	804	OKUNO H		17546	OLIVER G C	79144
OEHRING M	108535	OGOR E		1614		10364	OKUNO M		45469		79240
OELHAFEN-GANDOLLA	83925	OGUWER A K		42475	OKA K	30227	OKUNTSOV L P		104406	OLIVER G D	106339
M		UGRA M S		41932	OKA R	90546	OKUNUKI K	1447	23714	OLIVER J E	62521
OELKE E A	47201	OGRAZY J F	22921	73024	OKA S	97918	OKURA S		41169	OLIVER J H	63898
OELKER G	39259	OGREN K E	34921	44005	OKA T	92737	OKURO A		40937	OLIVER M	67201
OELKERS J	81007		45439	55333	OKARE A	84686	OKUSHI R		32844	OLIVER R W	57815
OELKERS J	50896	OGRIM M E	57068	57110	OKARE H	93492	OKUYA M		59748	OLIVER W B	102280
OELSCHLAGEL F	12348	OGRIM M G		57080	OKARE I	34937	OKUYAMA S	31	132	OLIVER W N	42614
OELSCHLAGER W	32469	OGGRINS A		107486	OKARE I A	28174	OKUYAMA Z		32093	OLIVER W T	30966
	103148	OGROSKY H O		80237	OKABE K	93125	OLAFSON G		10675	OLIVERA M A	76974
OENEMA S	15751	OGRYZKOV S E		41349	OKABE M	93312	65544	69756	90327	OLIVERIA-SANTOS J	17173
OERDOEGH O	72172	OGUCHI H		28084	OKABE N	37409	OLAH I	15312	24245	OLIVERO E L G DE	80124
OERS J P J S VAN	93742	OGUETA E		63961	OKABE S	27745		92800		OLIVETTI A	41423
UERTEL A C	70307	OGUNI H		108792	OKADA I	4043	OLAH J	12470	77061	OLIVIER J M	101229
OERTEL E	94555	OGURA B	35561	35959	OKADA K	31765	OLAH P		62872	OLIVIER L	100636
OERTEL H	55332	OGURA H		37895	OKADA M	52160	OLALQUIAGA F G		32631	OLIVIER P	27205
OERTLI J J	1077	OGURA M		81071		20048			32780	OLIVIER R	106023
	38317	OGURA T	40811	57354	OKADA N	41119	OLAND B F		80983	OLIVIER V	86474
	89695	OGURA Y		81453	OKADA N	37739	OLAND K	1125	9961	OLIVIERI C	34814
	89614	OGURTSOV V		97163	OKADO T	31929	OLANDER H		42125	OLIVIO G C	16446
OERTLI R	25501	OGUSHI R		105846	OKADO Y	77970	OLANDER H J		82214	OLKOWSKI M	27434
OERTZEN H U VON	8115	OGZEWALLA C D		39527	OKADO Y	93330	OLANGU M		18200		29945
	92129			45166	OKADY E T	31928	OLANYK G W		58878	OLKUSNIK J	76630
OESER H	58438	OH H K		62066	OKAJIMA H	78672	OLARU C		89617	OLL U	72077
OESERT K	16445	OH Y H	75393	107460	OKALYI E T	86186	OLARU M		97464	72079	72080
75248	75849	OHAD R		79536	OKAMARU K	75332	OLASVEENGEN R		16046	OLLAGNIER	79901
OESTERLE P	60812	OHAGAN J P		25023	OKAMI M	90548	OLAVE F	52748	94339	OLLERENSHAW C B	22832
OETJEN	39392	OHALLORAN M W		93672	OKAMOTO C	108512	OLBERG R		2800	OLLIER A	51626
OETTL K A	55994	OHANLON D J		10812	OKAMOTO H	20452	OLBERTZ M H		70756	OLLIKAINEN A	103566
OETZEL T	66755	OHANLON G F		58096	OKAMOTO I	57301		70757	91284	OLLING C C J	15644
OFARRELL A F	73875	OHARA K		80912	OKAMOTO J	107504	OLBOETER E		106211		15645
OFERRALL G J M	92130	OHARA P J	32442	103362	OKAMOTO K I	16723	OLBRICH H	35359	86481	OLLINMAA P J	24290
OFFERMAN E E	80705	OHASHI M		41783	OKAMOTO M	18757	OLBRYCHT T		67557	OLLIVIER L	22889
OFFICER R	72860	OHASHI S		26131	OKAMOTO R	55951	OLCAY A		12434	OLLIVIER M	60558
OFFNER H	40589	OHASHI T		6800	OKAMOTO R H	7511	OLCAY Y		7476	OLLIVIER R	42318
OFFNER K M	108972	OHASHI H	570	19769		7512	OLCOTT H S	85552	86226	OLMO H P	9524
OFFUTT M S	48863	OHASHI K		67856	OKAMOTO S	1124	91893	96167	96167	38960	59642
OFLAHERTY C	79178	OHASHI M	33573	33723	OKAMOTO T	42026	OLCZAK S		32341	OLMSTED C E	9367
OFLAHERTY C A	101675	OHASHI S		33815	OKAMOTO Y	19083	OLDACH		96378	OLMSTED J	98774
OFLAHERTY D	54263	OHASHI W		33815	OKANISHI T	102950	OLDEMEYER D L		48982	OLNEY C E	34480
OFLAHERTY F	7166	OHASHI Y	66100	42096	OKANIWA A	83026	OLDEMEYER R K		90933		34702
OFLANAGAN N C	70384	OHASHI Y		72517	OKANY A	39993	OLDEN E J	38978	59500	OLNEY G R	72353
OFORI C S	20718	OHASHI Y		40766	OKASHA K A	38319	OLDENKAMP E P		36465	OLUAN J	11755
OFEDAL P	5300	OHASHI Y		40766	OKAWA S	28507	OLDENROTH O		65306	OLOFESSON S	78673
OFUKANY L	51740	OHASHI Y		40766	OKAWA T	30764	OLDENSTADT D		87675	OLOFESSON B	77772
OFUKU S	92219	OHASHI Y		40766	OKAYAMA H	32088	OLDENSTADT D L		75249		99446
OGAIT A	30657	OHASHI Y		40766	OKAZAKI H	6207	OLDFIELD F		17547	OLDFESSON G	56100
OGAKI C	1120	OHASHI Y		40766	OKAZAKI M	28949	OLDFIELD J E		4223	OLDFESSON N E	82437
29762	40031	OHASHI Y		40766	OKAZAKI R	2169	4509	41804	51437	OLDFESSON S	13652
44740	45592	OHASHI Y		40766	OKAZAKI W	22603	52069	62888	62888	OLDFESSON S	29764
OGAKI T	33781	OHASHI Y		40766	OKAZAKI Y	68179	92799	104064		OLONICHENKO A I	98493
OGANESYAN A A	27273	OHASHI Y		40766	OKAZAKI Y	67336	OLDFIELD J F T		7456	OLOUGHLIN C	16549
OGANESYAN K A	80385	OHASHI Y		40766	OKAZAKI Y	67336	16407	16408	26255	OLOUGHLIN J B	34775
OGANOV G M	18609	OHASHI Y		40766	OKAZAKI Y	67336			86447	49088	75289
OGASAWARA F X	4042	OHASHI Y		40766	OKAZAKI Y	67336	OLDFIELD P		15313	OLRICH J	10629
22490	42025	OHASHI Y		40766	OKAZAKI Y	67336	OLDHAM H G		54118	OLSCHEWSKI H	10484
OGASAWARA H	4414	OHASHI Y		40766	OKAZAKI Y	67336	OLDHAM J N		104841	OLSCHOWY G	49237
OGASAWARA S	35560	OHASHI Y		40766	OKAZAKI Y	67336	OLDHAM N M		26105		67098
	93491	OHASHI Y		40766	OKAZAKI Y	67336	OLDHAM W J		85886	OLSEN A	108596
OGATA E	58783	OHASHI Y		40766	OKAZAKI Y	67336	OLDROYD H	14655	33180	OLSEN B S	25696
OGATA K	78460	OHASHI Y		40766	OKAZAKI Y	67336			53345	OLSEN C D	62393
OGATA M	61841	OHASHI Y		40766	OKAZAKI Y	67336			102366	OLSEN D B	51907
OGATA S	38318	OHASHI Y		40766	OKAZAKI Y	67336			89618	OLSEN E M	31841
	60619	OHASHI Y		40766	OKAZAKI Y	67336			4535	OLSEN H C	71243
	102173	OHASHI Y		40766	OKAZAKI Y	67336			104810	OLSEN K	82219
OGAWA J M	75331	OHASHI Y		40766	OKAZAKI Y	67336			54079	OLSEN K A	51263
OGAWA K	31114	OHASHI Y		40766	OKAZAKI Y	67336			55492	OLSEN K H	7890
	65308	OHASHI Y		40766	OKAZAKI Y	67336			98619		46020
OGAWA T	79018	OHASHI Y		40766	OKAZAKI Y	67336			89658	OLSEN K L	6751
OGAWA Y	1121	OHASHI Y		40766	OKAZAKI Y	67336			76081	85856	85867
28101	78671	OHASHI Y		40766	OKAZAKI Y	67336			1397	OLSEN M L	92022
89616	89572	OHASHI Y		40766	OKAZAKI Y	67336			16135	OLSEN M W	4044
OGDEN A J	85616	OHASHI Y		40766	OKAZAKI Y	67336			44971	OLSEN O	10813
OGDEN L J	94173	OHASHI Y		40766	OKAZAKI Y	67336			100665	OLSEN O A	37294
OGDEN S	2947	OHASHI Y		40766	OKAZAKI Y	67336			100737		77774
	49355	OHASHI Y		40766	OKAZAKI Y	67336			102496	OLSEN O B	2403
	59854	OHASHI Y		40766	OKAZAKI Y	67336			82395		27206
OGDON M	108307	OHASHI Y		40766	OKAZAKI Y	67336			2801	OLSEN R	18190
OGER Y	22236	OHASHI Y		40766	OKAZAKI Y	67336			2400	OLSEN R A	104042
32086	35672	OHASHI Y		40766	OKAZAKI Y	67336			2401	OLSEN R E	68894
53960	56477	OHASHI Y		40766	OKAZAKI Y	67336					



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
OLSEN S J 72992	OMTVEDT I T 52513	OORT A J P 18013	ORIA DE RUEDA F 67337	ORSENIGO M ---CONT 58787	ITEM
OLSEN S R 18858	OMU R 93495	OOSTENBRINK M 77971	ORIA-DE-REUDA F 27245	ORSHAN G 571 37582	
20453 29456	OMURA H 42846	OOSTENDORP D 60461 62070	ORIA-DE-RUEDA F 44217	ORSI S 59368 101012	
OLSEN V 98602	OMURA S 73460	OOSTERLEE C C 60336	ORIAN A J E 43170	ORSINI M 84831	
OLSEVSKIS P 21790	OMURA T 58410	OOSTHOEK A 91799	ORIEUX L 9103 68130	ORSINI M W 82503	
OLSHANSKII M A 46521	OMURA Y 32386	OOSTHUIZEN J C 74796	ORIHARA M 82566	ORSINI R 101332	
102007	ONAKA M 97303	OOSTING H J 96619	ORIHIELA-HERRERA 38753	ORSOS K 35129	
OLSHVSKII P 25024	ONANA H 97303	OOSTSTROOM S J 17612 70	ORILLO C A 9238	ORSTADIUS K 32456	
OLSON A 3239 60685	ONARI K 31766	57627 57628 57629	ORIOLO G A 18875 19052	ORTAMONOVA O I 36647	
OLSON C 13098 22437	31842 31843 31844	67858 88233	ORIT J 24537	ORTEGA J C 94361	
OLSON D 34038	31845 31847 31963		ORJEULA J 34945	ORTEGA J M C 50385	
OLSON E A 84547	32094 33867 41933		ORKISZ T 108448	ORTEGA R 40545	
OLSON E D 253 37167	52197 82567 93126		ORLANDI L 50628	ORTEGA-ANDAPIA A 56860	
37168 39012	93127 93128 93129		ORLANDINI C 54616	ORTEGA-CORONA A 45287	
OLSON E S 6658	93496 93497 97348		ORLANDO A 23240 23351	ORTEGA-NIETO J M 69727	
OLSON G 82572	ONARK K 97349		32887 105304 105348	ORTEGO A J 73952	
OLSON G B 93394	ONATE L U 16206		ORLANDO G 26428 44006	ORTEL S 93315	
OLSON J C 54532 80546	ONCHEV N 37591		45049 45698 45699	ORTENBLAD O 46062	
OLSON J S 9365 80135	ONCHUKOV D N 2120		74413 74413	ORTH A 3083 3482	
OLSON L D 22977	ONCIU V 95935		62181 91207	41533 72051 72083	
OLSON L E 72188	ONCUL S 57302		91207 91207	92337 108449	
OLSON L J 41875	ONDERWATER L N 28976		57303 57303	65502	
OLSON M 96092	ONDEICKA R 86237		18335 18335	99972	
OLSON N F 107045	ONDREJ L 40128		18191 18191	79033	
OLSON N O 4208 41326	ONDREJ M 47892		73104 73104	2404	
41589 51844 82619	ONDREJKOVIC A 69794		79697 79697	72084	
82639 82640	ONE H 36290		25316 25316	79187	
OLSON O E 31720	ONEA D 104196		104408 104408	53346	
OLSON R A 11624 40085	ONEAL R M 103772		70306 70306	26478	
60373 80020 100374	ONEDA N 38320		82836 82836	57021	
OLSON R E 26105	ONEGOV A P 81819		71782 71782	27559	
OLSON R L 106709	ONEIL A L 16588		6536 6536	7491	
OLSON S F 40735	ONEIL J B 93130		22706 22706		
OLSON T A 64077	ONEIL J M 2048		92519 92519	31966	
OLSON T C 2606 91353	ONEIL W J 40851		28170 28170	103811	
OLSON W J 96987 917505	ONEILL F K 76441		28510 28510	109138	
OLSON W P 32886	ONEILL J B 93046		1512 1512	44562	
OLSON W Z 81458 102942	ONEILL L A 7310		29595 29595	27601	
OLSSON A 1972	ONEILL R D 64847		75609 75609	13327	
OLSSON A 51790 98572	ONEILL V G J 5585		46748 46748	47339	
OLSSON B 3758	ONETO E 103577		19714 19714	104733	
OLSSON G 78175 78237	ONG S 97892		28756 28756	59050	
79375 79375	ONG T P 49569		19700 19700	19375	
OLSSON H 85799	ONGKINGCO P S 11793		89982 89982	68972	
OLSSON S E 32456	ONGLIS A S 6589		66358 66358	71199	
OLSTAD T 15760	ONIANI O T 102008		99928 99928	92338	
OLSTAD H 77015 77016	ONICA P 27639		28628 28628	103580	
OLSZEWSKA L 29301	ONIKI Y 105897		43705 43705	49356	
29862 70592	ONIKURA Y 49905		53611 53611	11419	
OLSZEWSKA M J 100076	ONION D K 75445		35437 35437	7031	
OLSZEWSKI H 85996	ONIONS W J 6643		22079 22079	47201	
OLSZEWSKI J 96988	ONIPENKO M I 13846		52474 52474	95814	
OLSZEWSKI J 61240	ONISHI H 45167		99623 99623	101333	
61497 61497	ONISHI M 49623		51938 51938	6036	
OLSZEWSKI T 74086	ONISHI S 64395		6905 6905	38322	
OLTEAN M 57696	ONISHI T 93131		89620 89620	100376	
OLTEANU F 9962	ONISHI Y 97893		12679 12679	69163	
OLTEANU G 62874 63136	ONISIE T 70687		58785 58785	42846	
OLTEANU V 37753	ONLEY J A 7935		100375 100375	105493	
OLTHOF T H A 511	ONLEY J H 15446		97165 97165	53209	
OLTHOFF H A 88933	ONNA K 7485		31306 31306	77870	
OLTJEN R R 103579	ONNA K M 7490		23301 23301	87765	
OLTMANN W 1463	ONNIS A 48271		94321 94321	51030	
OLTON D 7207	ONO H 31848		8028 8028	59012	
OLTZ D F 17548	93314 78994		32 32	100377	
OLUFSEN P 53962	ONO J 32096		33624 33624	15319	
OLUJIC M 92733	ONO K 27037		73967 73967	46399	
OLUND G 56119	33575 33575		100667 100667	39261	
OLVEGARD P 70593	35906 44263		56711 56711	40084	
OLVEGARD P 50108	ONODERA K 94609		104242 104242	70758	
OLVER E F 53677	ONODERA N 53113		93565 93565	82776	
84281 84541	83704 83705		10485 10485	82877	
OLYASOV I N 82641	ONOE S 19085		53963 53963	79967	
OLZANSKA B 58885	ONODDERA I A 41615		68971 68971	100702	
OMALLEY J E 97344	ONORATI T A 19936		20755 20755	11575	
OMAN P 105035	ONRUST H 6209		92863 92863	108450	
OMANS W B 57133	ONSAGER J A 53542		74323 74323	3247	
OMAR A R 21895 41650	ONTIVEROS 66228		85339 85339	41437	
62169 103293	ONTOVEROS-HERNAN- 43474		70645 70645	28102	
OMAR E M 104697	DEZ D 80273		83182 83182	38323	
OMAR M A 91080 101953	ONU N 80274		53374 53374	99685	
OMAR R A B 68283	80274 80274		12907 12907	106917	
OMAR W 2842	80274 80274		1065 1065	3241	
OMAROV D S 36499	ONODA K 94609		95335 95335	16452	
OMAROV K 63073	ONODERA N 53113		71440 71440	26303	
OMAROV K S 13668	83704 83705		61392 61392	70923	
OMAROV O S 93647	ONOE S 19085		18164 18164	53858	
OMAROVA A I 24656	ONODDERA I A 41615		37128 37128	5302	
OMARY C C 52077	ONORATI T A 19936		27266 27266	43096	
81952 81952	ONRUST H 6209		37277 37277	73217	
OMASA M 11408	ONSAGER J A 53542		100838 100838	19803	
OMAY B 7448	ONTIVEROS 66228		40576 40576	100378	
66227 66253	ONTOVEROS-HERNAN- 43474		74060 74060	3953	
OMEARA D C 31962	DEZ D 80273		95834 95834	37509	
OMEARA J P 6208	ONU N 80274		84327 84327	49035	
OMELAEENKO A A 21899	80274 80274		13540 13540	32781	
OMELCHENKO F S 26066	80274 80274		50384 50384	64034	
OMELIN N N 60648	ONUMA H 22828		89897 89897	52632	
OMELKA F 24428	72857 72858		24094 24094	92024	
UMER-COOPER J 14552	36162 41103		13067 13067	31175	
94933 94933	84614 84614		99447 99447	76442	
OMMANNEY F D 97516	60123 60123		105854 105854	11576	
OMMEN T T 26271	OOBA Y 22227		5259 5259	104887	
OMOMO Y 44329	OOKAWA H 93869		90174 90174	13718	
OMORI I 41651	OOMAN D M 67454		18995 18995	103812	
OMORI N 43675 80238	OOMEN C N 14202		12677 12677	107506	
OMORI T 3190 3594	OOMMEN P K 94767		31965 31965	52914	
3595 22644	OOBBA S 96898		59643 59643	35281	
103738	00BBA S 96898		67588 67588	96168	
	OORSCHOT R VAN 89106		19374 19374	16375	
			38603 38603		

	ITEM		ITEM		ITEM		ITEM		ITEM
OSGOOD C	56739	OSTHOFF H	82665	OTT D E	85318	OVER K	98585	OYDVIN J	28108
OSGOOD E A	4915 63963	OSTI G	75008	OTT D J	32877	OVERAAE H	98538	OYDVIN M	33907 35910
OSGOOD F L	64284	OSTLER J R	108251	OTT E	70924	OVERAS J	52634 103813	OYE P VAN	94657 98606
OSGOOD J W	90329	OSTLIN E	71045	OTT E A	42155	OVERBECK F	57468	OYGARD G	87393
OSHEA J D	3866 22237	OSTLIND N	10611 19738	OTT F	45701 98614	OVERBECK J	38324	OYLER M	27247 65417
	65253	OSTMANN D W	4210 93316	OTT G L	52076	OVERBECK R C	27347		67338
OSHIBA K	17237	OSTMOE F	36259	OTT N	31651 92976	OVERBECK J L F	71275	OYOLU C	48312
OSHIGANE K	27163	OSTOYA P	72558	OTT R	93551	OVERBEKE M VAN	65273	OZA G M	20233
OSHIKA F	97396	OSTRANDER C E	64518	OTT R L	62484 72414	OVERBY A J	96620	OZAKI C	35674 44077
USHIKAMO Y	2141		106355		109062	OVERBY K	43851	OZAKI H Y	2406 57818
OSHIMA C	83977		7208	OTT V J	44441	OVERBY L R	52269		58132 59856
OSHIMA J	64960	OSTRIC-MATIJASEV-IC B		OTT W H	4094	OVERCASH J P	58789	OZAKI K	27373 28253
OSHIMA K	43475 106879	OSTROMECKA M	29567	OTTAVIANO G	100380		68055		78681 78864
OSHIMA M	104409	OSTROMECKI J	58716	OTTAWAY C W	38421 59423	OVERCAST W W	44292	OZAKI M	43676
OSHIMA N	27296 47527		80632	OTTE E	30968	OVERDAHL C J	28511	OZAKI S	33869
	77920 99409	OSTROMECKI K	55803	OTTE R C	71696		388673	OZAKI T	86646
OSHIMA Y	23045 83936	OSTROUMOV L	25025	OTTEM F	40256	OVEREND M	81224	OZAL K	60650
	93958	OSTROVERKH N F	86757	OTTENHEIJM C	108536	OVERHEIM R K	6090	OZAWA J	99557
OSHIO Y	54057	OSTROVSKAYA L K	28104	OTTENFELT L	53495	85775 96142	107285	OZAWA K	28097 30221
OSHURKOVA M V	36661	OSTROWSKA B	19337	OTTENFELT L	70925	OVERHOLTS L D	26935	OZAWA T	35481 41169
OSIDZE D F	63303	OSTROWSKA M	19377	OTTENFELT L	3654	OVERLEY F	16561	OZAWA Y	62624 107931
OSIKOWSKI M	72772	OSTROWSKI J	77775	OTTESSEN R	98619	OVERMAN A J	18401	OZBURN G W	93998 105036
	72861 104577		29150	OTTETAD L	8458		58127 59734	OZCAN C	42184 92758
OSIN A E	1616	OSTROWSKI J E B	40255	OTTINO P	97562	OVERMAN J R	3666	OZCELIK N	71357
OSINGA A	13099 33868		101460	OTTO	15199 15341	OVERMAN O	96621	OZDONMEZ M	80891
	51985 53964	OSTROWSKI J E B	101461 101554	OTTO E	4574 41442	OVERREIN L	11280	OZEGOVIC L	51569 72252
OSINGA F W	34403		30809	OTTO F J	42258 45068	OVERSTEYNS A	101588	OZEKI K	58790 84227
OSINSKA J	55187 65610	OSTROWSKI T	99427	OTTO G	7209 65931	OVERSTREET R	49697		106147
OSINSKA M	37364	OSTROWSKI W	26184	OTTO G F	21896 22356	OVERTON E W	108033	OZENDA P	27583 87996
OSINSKA Z	7168		65561	OTTO H	16391 20219	OVERTON J R	70048	OZER M	83878
OSINSKI B	63238	OSTROWSKY H	81539	OTTO H J	28511 39436	70570 88638	90704	OZERETSKOVSKAYA O	410
OSIPOV N T	75998	OSUGA D T	26158		38673	OVERWIEN T	91288 94341	OZGUEN T	92915
OSIPOV O S	15171	OSUGA T	41654	OTTO H P	11086	OVING R K	5675 84320	OZHIGOV E P	8398
OSIPOV P P	4401 63137	OSUKA K	97989	OTTO J	5919		106214	OZIEMSKI J	7492 87866
		OSULDSOEN T	41921	OTTO J H	4212	OVINGTON J D	61154	OZIL T M	45330
OSIPOV V I	2102	OSULLIVAN A C	54524	OTTO L	25093	78037 78049	78677	OZKAN N	68533
OSIPOVA N Z	5103	OSULLIVAN M T	7029	OTTO R	15068		96093	OZKOCA A	31117 51909
OSIPOVA Z	50120	OSUMI K	96418	OTTOBONI F	105031	OVODOV YU S	10212		104579
OSIPOVA Z M	90880	OSUSKY A	30699	OTOGALLI G	85319	OVODOVA R G	10212	OZNACAR K	23171 54907
OSIPYAN L L	47002	OSWALD H	106551		85323	OVREMO E	87936		104589
OSIPYAN V T	94174	OSWATH J	19086 20587	OTTOTEN H E	92828	OVSSTEDAL S	35960	OZNACAR M	103814
OSIS Z	66368	OSWALD J	97197	OTTOTEN H	33357	OVSYANNIKOV A I	3038	OZOLA E	22492
USKAM A	27514	OSWALD J W	47340	OTTOTEN H W	66772	OVSYANNIKOV N G	91285	OZOLINA G	28109 28110
USKAREV V I	90549	OSWALD W J	77161 88173	OTTSEN P	87969	OW R VON	95743	OZOLINA I A	68974
USKIN A I	53615	OSWALDO-BRAND S	5990	OU S H	32790	OWADA G	47780		69062
OSKRETKOV M YA	50736	OSWALT E S	38805	OU Y C	66180	OWADA M	23480 23482	OZOLINA Z D	70881
OSLAGE H J	4573 103684	OSWALT R M	29087 60040	OUAKOVA E I	48727	OWADA T	29022 79673	OZOLS A	20719 51438
		OSWELL M G	10676	OUCHI T	59855		90515	OZOLS E	43217
OSLOBEANU M	19899	OSWIN C R	24489	OUCHI Y	104548	OWADES J L	66674	OZONE K	41952 93286
OSMAN A E	65837	OSYCZKO W	31131	UD P	20291	OWELLEN R J	19299	OZTURK S	23044
OSMAN A E E	25816	OSZKINIS W	1889 59750	UDAR J	22200	OWEN B D	83055	OZU	92939
		OSZKINISOWA K	39262		81761	OWEN C R	19654 48835		
OSMAN H G	19376 65838	OTA A K	63374	UDEN H D	18399	OWEN D F	106024		
OSMAN M H	62238	OTA H	36163 42027	UDIN	8475	OWEN D J	17217		
OSMANOV A M	14713 68973	OTA K	28105 104286	UDSHOORN W M	27207	OWEN F G	3483 12517		
OSMASTON H A	11997	OTA S	20166 101731	27435	42727	19631 41534	62098		
OSMENT W	79629	OTA T	3914 28106	UDU J	18099	OWEN F W	77569	PAKKOLA O	15697 74880
OSMO S	30186	OTAT	96787 106573	UDUD J	22200	OWEN G	17004		90959
OSMOLOVSKII G E	67999	OTAT	106828 106829	UDSHOORN M C B	69282	OWEN H M	101705	PAAL H	102707
		OTAT	106837	UDSHOORN M C B	79029	OWEN I	93743	PAAPE M	3655
OSMOLOVSKII M S	15314	OTAT	106837	UDSHOORN M C B	79029	OWEN J B	13653 22787	PAAPE M J	65080
OSMOND D G	52140	OTAT	106837	UDSHOORN M C B	79029	OWEN J H	8988 9116	PAAR G E	22072 62334
OSMUN J V	52804 93997	OTAT	106837	UDSHOORN M C B	79029		99461		103100
OSNABRUCK L	40129	OTAT	106837	UDSHOORN M C B	79029	OWEN L	15546	PAARLAHTI K	49814
OSNICHUK T D	82540	OTAT	106837	UDSHOORN M C B	79029	OWEN M	84766	PAARLBERG D	8267
OSODO K	96812	OTAT	106837	UDSHOORN M C B	79029	OWEN M M	78678 84766		27640 35738
OSOLLO G	22822	OTAT	106837	UDSHOORN M C B	79029		101013		36260 45687
OSPENSON J N	88678	OTAT	106837	UDSHOORN M C B	79029	OWEN N V	72155		65021 76172
	94035	OTAT	106837	UDSHOORN M C B	79029	OWEN O K	89621		86877 107578
OSPINA L A	49064	OTAT	106837	UDSHOORN M C B	79029	OWEN R C	79903	PAASCHE E	10125
OSPINA LEON M	22491	OTAT	106837	UDSHOORN M C B	79029	OWEN R D	82504	PAASEN J T M VAN	90824
OSPINA-LEON A	52960	OTAT	106837	UDSHOORN M C B	79029	OWEN V M	104505	PAATELA J	13981 101016
OSS C J VAN	4402	OTAT	106837	UDSHOORN M C B	79029	OWEN W B	95146	PAATAMA S	3867
	151568	OTAT	106837	UDSHOORN M C B	79029	OWEN W E	7611	PAAUW D S	86582
OSSE M J M	98605	OTAT	106837	UDSHOORN M C B	79029	OWEN W G	79333	PAAYER K	98639
OSSEI J E K	79902	OTAT	106837	UDSHOORN M C B	79029	OWENS A G	17766	PAAVILAINEN E	40257
OSSIANNILSSON F	14757	OTAT	106837	UDSHOORN M C B	79029	OWENS C D	23451	PABIS S	51295
	14758 23761	OTAT	106837	UDSHOORN M C B	79029	OWENS E	6898	PABLAKE R	22493
		OTAT	106837	UDSHOORN M C B	79029	OWENS E L	80512	PABLO F D	85228
OSSTENBRINK M	77957	OTAT	106837	UDSHOORN M C B	79029	OWENS G	80378	PABLOS F	53210
OSWALD G	43626	OTAT	106837	UDSHOORN M C B	79029	OWENS G P	66831	PABREZA J	67528
OSTANOV R O	20800	OTAT	106837	UDSHOORN M C B	79029	OWENS H B	94322	PABSCH E	8175
OSTAPCHIK V P	2120	OTAT	106837	UDSHOORN M C B	79029	OWENS J N	37740	PABST A	84951 84952
OSTAPCHUK O P	29767	OTAT	106837	UDSHOORN M C B	79029	OWENS L K	103787	PABST F J	8735
	29863	OTAT	106837	UDSHOORN M C B	79029	OWENS O V H	1014	PABST H R	2908
OSTAPENKO V I	1126	OTAT	106837	UDSHOORN M C B	79029		28107	PABST M	107752
	78306	OTAT	106837	UDSHOORN M C B	79029	OWENS R G	37302 59051	PACCINO D	17282
OSTARHILD H	53822	OTAT	106837	UDSHOORN M C B	79029		59052	PACE B H	265
OSTASHEVA M E	29946	OTAT	106837	UDSHOORN M C B	79029	OWENS T R	6416	PACE J	17235 44843
OSTASHKO F	41653 103081	OTAT	106837	UDSHOORN M C B	79029	OWENS W H	43477		107084
OSTASHKO F I	3037	OTAT	106837	UDSHOORN M C B	79029	OWINGS M	80872	PACE J E	41720
	71602	OTAT	106837	UDSHOORN M C B	79029	OWINGS W J	4091 82568	PACE J H	21664
OSTASZEWICZ D	54324	OTAT	106837	UDSHOORN M C B	79029	OWNBEY G B	18610 67859	PACE N	22356
OSTBY A	36428	OTAT	106837	UDSHOORN M C B	79029		98827	PACENOVSKY J	14697
OSTENDORF P	28250	OTAT	106837	UDSHOORN M C B	79029	OWRAM I H	13901 24247	PACENICZOWA T	49790
OSTENSON T K	86696	OTAT	106837	UDSHOORN M C B	79029	OWUSU P M	80239	PACHECO C D III	18243
OSTER G	48599	OTAT	106837	UDSHOORN M C B	79029	OXENHAM B L	37303	PACHECO F	94934 94935
OSTER I I	64032	OTAT	106837	UDSHOORN M C B	79029		99448	PACHECO G J J	28839
OSTER M S	54178	OTAT	106837	UDSHOORN M C B	79029	OXFORD C W	53612	PACHECO H	59089
OSTERAS M	87685	OTAT	106837	UDSHOORN M C B	79029	OXHOJ P	106656	PACHECO J C	80124
OSTERGAARD C M	8469	OTAT	106837	UDSHOORN M C B	79029	OXTOBY E	25224 34593	PACHECO S F	64988
OSTERGAARD S	57244	OTAT	106837	UDSHOORN M C B	79029		96711	PACHECO-DE-AZEVE-	74629
OSTERGREN G	78082	OTAT	106837	UDSHOORN M C B	79029	OYA T	35866	DO M	
OSTERHOUD F H	97896	OTAT	106837	UDSHOORN M C B	79029	OYAERT W	13848 91962	PACHELSKI M	80824
OSTERLI V P	48260	OTAT	106837	UDSHOORN M C B	79029	OYAMA H	100669	PACHENCE A M	61227
	60658	OTAT	106837	UDSHOORN M C B	79029	OYAMA K	78679	PACHER J	27535
OSTERMAIER R	74059	OTAT	106837	UDSHOORN M C B	79029		100381	PACHL G	24117
OSTERMAN A	27440	OTAT	106837	UDSHOORN M C B	79029	OYAMA M	11275	PACHL J	24112
OSTERTAG H G	3653	OTAT	106837	UDSHOORN M C B	79029	OYAMADA S	108793	PACHLEWSKI R	77479
OSTERTAG R	54034	OTAT	106837	UDSHOORN M C B	79029	OYANGUREN-Y-GARC-	38741	PACINI G G	3656 52635
OSTERTAG R VON	67571	OTAT	106837	UDSHOORN M C B	79029	ES-DE-MAR	38743	PACINI L	100022
	67613 67633	OTAT	106837	UDSHOORN M C B	79029				
OSTERTAG W	23685	OTAT	106837	UDSHOORN M C B	79029				
OSTHOFF F K	56204	OTAT	106837	UDSHOORN M C B	79029				



PACK D E	88678	ITEM 94035	PAHAUT P	101870	PALERMO A	45829	ITEM 108140	PALTI J	8831	ITEM 27138	PANG H C	ITEM 106406
PACKARD F M	77201		PAHLEN A VON DER	58097	PALESTINO F	41482				27138	PANG P C	101189
PACKER G J K	21644			58098	PALETSKAYA L N	29568		PALTRIDGE A L		37305	PANGALO K I	70005
PACKER J G	58318		PAHLITZSCH G	41105	PALETTA R	60948		PALTRIDGE T B		76794	PANGBORN R M	6365
PACKER L	1128	1129	PAHNISH D F	71542	PALFAI J	56205	60651	PALTZER F		108458	26295 44330	55090
38587 48290	78682		81997 82007	82021	PALFFY D	104288		PALUDAN H		57237		55091
2607	48891			95877	PALFI G	9964	9965	PALUSINSKI M		2083	PANGBORN S W	41812
PACKER P E	62602		PAI C Y	107507	PALFII F YU		3657	PALYI L		2084	PANGELOVA T	89407
PACKER R A	20896		PAI M R	51072	PALI I	32202		PALYUSIK M	12681	7061	PANI S N	4467
PACKHAM W A	94976		PAI N I	72874	PALIAN B	3039		32504 32505	30969	63304	PANIAGO E	6301
PACKLEY D	7891		PAICHUK N G	81146	PALIAATSEAS E D	48314		PAMAY B	71276	104888	PANIC J	43218
PACLOVA L	78050		PAIERO P	19286	PALIERI M	85144		PAMBUFFETTI P		81066	PANIC M	99449
PACLT J	33502		PAIGE L	103295	PALIES G J	41535		PAMPALONI E		108309	PANIC V	63119
PACLTJOVA B	57469		PAIK W K	4659	PALIEV KH	51791		PAMPARI G		100839	PANICHI G	31400
PACQUETEAU A	100382		PAIKIN D M	75446	PALTI V F	4660	5303			80633	51911 103816	103817
PACQUETEAU B	47528		PAILLON P	83264			14389	PAMPARI G		96437		103818
	58791		PAIM G V	14553	PALIK P		17549	PAMPLIN R A		698	PANIER R	34704
PACQUETIAN B	17922		PAIM U	73593	PALILOV N A	84715		PAMUKCU A M		13101	PANIGRAHI B	103819
PACS I	22728	42097	33111 33112	73594	PALIMPESTOV M O	12680		PAN I	104023	104889	PANIGRAHI G	18612
	62707	93538		73594	PALING F A	16497		PAN I C	22653	63305		98913
PACSU E	34552	34614	PAIN J	32955	PALINSKI K	15988				93870	PANIKKAR A O N	68978
PACUCCI G		48802	PAINE M D		PALISSA A	95635		PAN I J	93870	104023	PANIKKAR M R	19460
PACYNA G		87485	PAINTER A F		PALIOWAL G S	697		PAN K Y		50111	20168 20721	36502
PADALCO V V	101258		PAINTER C		PALIOWAL R L	1988		PAN N K		40416	49357 57304	67590
PADAVIC E R	88036		PAINTER C G		PALIOWAL Y C	9239		PAN T T		75916		88009
PADBERG D I	24986		PAINTER E M		PALK B A	47524		PAN T W		105591	PANIN N A	56547
34365	65221 74400		PAINTER J	59667	PALKEVI I	89885		PAN Y S		71951	PANIN P S	20898
	74832 106881		PAINTER J H	59673	PALKIN G A	7892		PANABOKKE R G		61754	PANIN V A	826
PADBERG K	45702 54179			59674	PALL O	88805		PANADA J N		104506	PANINA E B	826
	74414 97990		PAINTER L I		PALL S	8788		PANAGOPOULOS C G		77861	PANINA G	81872
PADDA D S	20123		PAINTER R H		PALLADIMO D	60399				88848 88864	PANISSET M	98607
PADDOCK R	52083				PALLADINA T A	38358		PANAIOOTOV P		41721	PANITSKII V	80437
PADDOCK W C	17175 75782	108451	PAINTER R R		PALLADINO D	64762		PANAIT V	69581	70541	PANITSKII V V	19088
PADEN J W	18234		PAIS A C L		PALLANSCH M J	6479				101951	PANIU U A	81721
PADEN W R	77091		PAISLEY K			17337 54097	54102	PANAITESCU E		60652	PANJAN M	27332
PADFIELD C A S	9963		PAITIER G		PALLAS J E	21237	65036	PANAITESCU M		31910	PANJE R R	11676
	16047		PAIVA M P		PALLAS M	79795	78683	PANAITOV P		41647	70763 78685	79402
PADGETT F	82597		PAIVA-MATTOS E		PALLAS P	3873		PANAJOTOWA M		75648	PANK C J	70385
PADGETT G A	34821		PAIVANEN J		PALLAS P S	87926		PANAMAROVA A V		38301	PANKAJAKSHAN A S	39662
PADGETT J H	77586		PAIVEL A		PALLASKE	36501		PANARETTO B A		52458		69726
PADGETT W H	9188		PAIXAO V C		PALLASKE G	41352	109153			52459 52460	PANKOV E P	25527
PADHYA A C	9187	9188	PAIZIEV P		PALLAVICINI C	106901		PANASENKO P D		29947	PANKOV V	24923
	47450	9489	PAJAK J		PALLEJA-FIGUEROA	22652		PANASENKO V T		37010	PANKOV V A	13322
PADHYE M D		7537	PAJARSKAITE A		J M	24249	93499	PANASIK M		52221	PANKOV V V	40032
PADILLA N S	70829		PAJDDOWSKI Z		PALLESEN G	23889	23890	PANATTONI A		60407	PANKOVA E I	80634
PADILLA-RAMOS F	101621		PAJOR W J		PALLESEN H R	55608		PANAZZOLO N		103495	PANKOW H	18613
PADILLA-Y-PADILLA			PAJUELO-STORCK H		PALLESEN R M	35141		PANCHAKSHARAPPA M		699		58176
G			PAJUNEN V I		PALLEY M N	2745	30262					72644
PADIT N B	92341		PAK J H		PALLISTER W A	72239		PANCHENKO N P		89622	PANKRATH M	51439
PADLEY F B	55605		PAK N S		PALLOTTA U	25736	26110			89657	PANKRATOVA E M	19089
PADMANABHA-RAO T	69323		PAK S M			31804 45116	45168	PANCHESHENKO A		95835		79179
V			PAK T		PALLUDAN B	45169 77018	86307	PANCHO J V	2050	10486	PANKRATOVA N M	50808
PADMANABHAN D	696		PAK V F			4317	22890	27667 36923	68534	69887	PANKRATOVA V YA	73658
	37741		PAKALNS P			60152				69887	PANKRATZ H S	9410
PADMANABHAN S	18082		PAKENHAM-WALSH A		PALLUTZ H	22978	52514	PANCIERA R J		3638		98866
PADMANABHAN S Y	9104				PALLUY E	18990	49491	PANDA A	21613	71496	PANNIKOV V	109029
	17919	90051	PAKHOMOV A YA		PALLY C	14279	15989	PANDA B	4092	22557	PANNIKOV V D	60464
PADMANABHAN T S	68648		PAKHOMOV M M		PALM R	63714	63714		42028	62876		91137
PADMANABHAN T S A	96749		PAKHOMOVA M V		PALM T	14555		PANDA B S	27585	38031	PANNITZ G	76545
PADMINI T	55113				PALM W E	75568				78104	PANNITZ G	67013
PADMORE F	75498		PAKHUTSOV Z I		PALMA E R	33724		PANDA J N	60810	93132	PANONKA J	13124
PADMORE J	95560		PAKNIKAR S K		PALMA L DE	23370	94445	PANDA N C	72690	104507	PANOPIO C R	22922
PADMOYO M	74348		PAKRASHI S C		PALMARU E	82569		PANDA P		61674	PANOUSE J B	42943
PADUCHA A	15258	26829	PAKULSKI J		PALMBERG L	41108		PANDA S N	42029	93302	PANOV A J	19380
PADURARU V	3179		PAL A		PALMEDO H	92131		PANDALAI K M		11578	PANOV D G	33422
PAGAN-PADRO J	73025		PAL A K	31927	PALMER A C	62335	72415		68062	70330	PANOV D N	67737
PAGAVELLI A	36662		PAL B P	52277			82359	PANDE A		107177	PANOV E N	63829
PAGANI A	87277			62886	PAL D K	10815		PANDE B N		730	PANOV N P	11401
PAGANI D	46522	57194	PAL D K	10386	PAL GY	18771	89183	PANDE B P	3659	4141	70231	70435
PAGANI H	77151	80095	PAL J	17860	PAL H	89183	60550		13499 31402	31564	PANOV P A	73218
PAGANI L	45470		PAL K	56724	PALMER D H	62077	62129		62337 81820	93317	PANOV V K	2487
PAGANO A	19236		PAL K	91169	PALMER D J	82953	103536	PANDE H K		104400	PANOV N	80559
PAGANYAS K P	101652		PAL N L	16496	PALMER E	45240	14293	PANDE J K		102094	PANOV N G	25901
PAGE A B P	60735		PAL N P	18611	PALMER E R	70867		PANDE J N		51140	PANOWA D	19428
PAGE A C	19124		PAL R N	24850	PALMER J C	16284	44293	PANDEY A P		93334	PANSE V G	38604
PAGE A L	2407	80051	PAL S	27584	PALMER J H	9966	68390	PANDEY D C		89623		60465
80003	80051	100194	PAL GULYAS P G		PALMER J K	6822	15931	PANDEY G N		26097	PANSE V G	79098
PAGE E R	19087	60151	PALACIOS-DE-LA-R				107249	PANDEY H N		60653	PANSER G	91845
PAGE G E	21008	37510	G		PALMER J M	78684	100393	PANDEY I C		28843	PANSI H	45593
PAGE H E		57392	PALACIOS-VELEZ E		PALMER J S	3658	4403	PANDEY M D		22238	PANSIOT F P	1752
PAGE H H		51910				13719	42523	PANDEY N D	5219	14656	49065 59475	79436
PAGE H L	97418		PALACZ A K			42524	62336	PANDEY S		19379	PANT D D	701
PAGE J B	90819		PALAD J G		PALMER L M	63140	104125	PANDEY S L		77276	27586 27587	37742
PAGE J G	41351		PALADE A		PALMER M	53799	66957	PANDEY S N	58793	39624	67738 68535	68536
PAGE L A	4213		PALADE L		PALMER R D	9571	38048	PANDEY V P		60213	PANT H C	22238
PAGE M	39263		PALADINES O L				38540	PANDHI P N		15433	PANT J C	4819
PAGE M W	21438	30527			PALMER R S		70830	PANDIT A D	27630	48790		5145
PAGE P T	100670	1874			PALMER S		4975	PANDIT C G		4744		14556
PAGE R E		12908 22775			PALMER W I		2558	PANDIT N N	44364	106976	PANT R	32983
PAGE R H	30679	61521	PALAKARCHEVA M		PALMERJONES T		73400	PANDOTRA V R		9037	PANT Y P	98304
PAGE R J C		73898	PALAMAND S R		PALMGREN A		27564			99113	PANTALEON J	86247
PAGE R M		68975	PALAMAREV E		PALMIER L H		76173			101660		97109
PAGE S		104540			PALMIERI F	63405	90881	PANDYA H G	60214	101660	PANTANO V	31284
PAGE W A		83216	PALAMARU E		PALMIN V		21897	PANE L D		97497	PANTASTICO E B	2124
PAGE W D		30624			PALMIN V V		25873	PANE MERCE J		49048		38466
PAGE 7 E		62169	PALANISWAMY K M		PALMITER D H		18015	PANE-MAECE J		28904	PANTEKOEK R	46251
PAGEL H	11698	90792	PALANISWAMY S		PALMQUIST D L		82102	PANEK J		107657	PANTELEV A N	100384
	91136	101716	PALANKOVSKI V		PALMU S		81558	PANELLA A		28684	PANTELEEVA M D	62288
PAGEL H U		12032	PALAS B W		PALMOCAY R		1889	PANELLA S		78471		50311
PAGELLA M	26671	36540	PALASINSKI M		PALOMAKI M	68391	76579	PANEMANGALORE M		76883	PANTELLIC M	105256
PAGES J		95492	PALATKA Z		PALUMAR E		91874			76885	PANTELOURIS E M	83978
PAGET A F		20897	PALAVEEV T		PALOMBARI R		45116			70761	PANTERA B	33652
PAGLIAI A M		105813	PALDI A		PALOMINO-ORTIZ G		99220			70762	PANTHUBANYONG S	82690
PAGLIETTA R		19897	PALECEK A		PALOTAY J Z		13100	PANENKO I		50762	PANTON W P	70440
PAGNINI G	12593	31967	PALEG L		PALOUNEK V		103815	PANEQUE A		48607	PANTOS GY	87998
		51505	PALEG L G	9950	PALS C H		103296	PANERAI L		59294	PANTOS MRS D T	49815
PAGNINI U	31968	31985	PALEKAR V C		PALSSON E		12824	PANFILOFF Y D		50778		61155
	36503	98481	PALENCIA D J A		PALSSON H		72894	PANFILOV J		81252	PANTOVIC M	39852
PAGONY H	12291	27208	PALENIUS I	2987	PALSSON K		82353	PANFILOVA T S		83541	PANTYUKHINA L	2

	ITEM		ITEM		ITEM		ITEM		ITEM
PANYCH N T	23326	PARBERY N H	70595	PARKER K G--CONT	27160	PARRISH F C	72971	PASHUK V P	92026
PANYUKOV D N	74387	PARCEVAUX S DE	27840	27270 68284	77963	PARRISH H M	103297	PASINETTI L	89033
PANZERA A	86879		28114		107311	PARRISH M F	44218	PASINI B	64361 65735
PAO F C	103061	PARCHER J V	29453	PARKER K W	69573	PARRY D W	9969	PASINI F	31401
PAO L F	97494	PARCHER L A	87337	PARKER L M	87488		37744	PASIRUK K I	64884
PAO S C	90324	PARCZEWSKI W	36561	PARKER M A	98370	PARRY M	74463	PASKALEV A	50313
PAO T C	64802	PARDE J	11998	PARKER M L	80624	PARRY M S	83240	PASKAMP A J	64448
PAO T P	28757	PARDEE W D	71109	PARKER M M	20169	PARRY R M	15625	PASKE B J T	7950
	78880	PARDEE W D	38847	PARKER M W	79099		82251	PASKOVA J	1388 28357
			48879	PARKER R C	3684	PARRY S P	34366	PASLAWSKI Z	40260
PAO W H	97945	PARDESI J S	56861	PARKER R E	64534		99306	PASLEY R S	34972
PAO W K	89298	PARDI M C	16233		74141	PARRY W H		PASLOWSKI B	36735
PAOLINI F	45170	PARDO P	77375	PARKER R G	75120	PARSHAD B	5473	PASNICU C	68908
PAOLETTI G	44567	PARDO-ALCAIDE A	5189	PARKER W	100193	PARSHAD R	5591	PASOUR E C	85813
PAOLETTI R	66031	PARDUN H	97247	PARKER W D	31653		14935 52131	PASQUALI M	35193 45171
PAOLI A R J	60153	PARDY D A	104181	PARKER W E	79613	PARSHIN V N		66033	66034
PAULIERI L	52111	PARDY R F	104181	PARKER W H	4164	PARSHUTIN G V	3078	PASQUINI M	108141
PAULINI F	97246	PAREDIS F	3709	PARKER W R	5934	PARSHUTIN S M	28115	PASS H A	29306 67496
PAULINO L	72877	PARENCEA C R	43016	5936 5937	33888	PARSONS A D	63715		99452
PAULIS P DE	108962	PARENT B	94395		106476	PARSONS B T	13989	PASS I	87766
PAULO M	28111	PARENT J	98093	PARKER-VELEZ I	28512	PARSONS C S	86524	PASSAGLIA E P	25148
PAP S	103476	PARENTI R L	88236	PARKES L	72421		107385	PASSAMA-VUILAUME	106097
		PARENTI U	5304	PARKHE D P	5171	PARSONS E C	14196		
PAPA S	76082	PARER J T	13720	PARKHODKO A P	57850	PARSONS F G	28495	PASSAMONTI G	74161
PAPACOSTEA C	66676			PARKHOMENKO A N	40258		55773		98307
	76174	PARES Y	37887	PARKHURST R T	93319	PARSONS G F	25438	PASSANTINO G F G	103993
PAPADAKIS J	9967	PARES-PUJALS J	32387	PARKIN E A	53001	27017 44604	85849	PASSARGE H	18469 27436
PAPADOPOUL P	83646	PARESCHI C	18114	PARKIN K F	50897	PARSONS G S	31206		57485
PAPADOPOUL S	48336			PARKINSON D		65222	82035	PASSAVALLI L P	61085
PAPADOPOUL V	48336	PARET	39816	29569 70404	80120	PARSONS K H	56022	PASSECKER F	27748
PAPADOPOUL P	14318	PARET H	76884	PARKINSON R D J	96068		76495	PASSERA C	100600
14319 44984	83647	PARZ M	81998	PARKINSON W B	24299	PARSONS L	104615	PASSERA J	33336 84098
		PARZENOV K A	74515	PARKS A C	26672	PARSONS M C	33274	PASSERON S	58980
PAPADOPOULOS	96622	PARFENOV V	102541	PARKS C E	90446		73721	PASSET J	45136 78957
PAPADOPOULOS A	54551	PARFENOV V F	102454	PARKS C R	1394	PARSONS M S	35777	PASSINURA J B	20392
	72645	PARFENOV V I	71076		55752	PARSONS MRS F T D	77379		70308
PAPAIIDANNOU J	98935	PARFENTOVA N S	98836	PARKS G L	45142	PARSONS P A	5048		83339
PAPAIIDANNOU S E	65046	PARFANOWICZ A	38848	PARKS G M	50962	33181 43097	53147	PASSLOW T	14099
PAPAJANI M	90052	PARGAONKER V N	63141	PARKS J	59223		53348		94323
PAPALEXIDOU N	30547	PARQUEY A	9484	PARKS J C	43545	PARSONS P S	43619	PASSMORE R	87748
PAPALIGOURAS P	46401	PARGUEY-LEDUC A	57735	PARKS J H	20292		90705	PASSONNEAU J V	89870
PAPANEK F	2746	PARHAM J W	57521	PARKS K L	80751	PARSONS R E	83517	PASSOS H DE G	90882
PAPANEK P M	4976	PARIAT	6343	PARKS L W	19090	PARSONS T	43071	PASSY N	62810
PAPANICOLAOU E E	97755	PARIAT M	24895	PARKS D W	15649	PARTANEN C R	9490	PAST E	31118 82000
PAPANTSCHIEFF C	60654	PARIBOK T A	48316	54526 65081	74806		38325	PASTEELS J J	103479
PAPARGYRIS S P	96622	PARIDA N K	3636	PARKS P F	25094	PARTANEN J	104787		43220
PAPASTERIADES A	42178	PARIDAANS A F	4510		82839	PARTANEN J N	38325	PASTENA B	49123
PAPAVASSILIOU I	82250	PARIKH C M	44490	PARKS R	33751	PARTENIE A	11483		59644 101230
PAPAVASSILIOU J	3242	PARIS	40033	PARKS W L	20722	PARTESHKOV V G	81673	PASTERNAK F	46603
	3243	PARIS C	33951	49632 50312	91138	PARTHASARATHI K	69283	PASTERNAK J	33182
PAPAVIZAS G C	20474	PARIS C W	55732		91288	PARTHASARATHY G	97898	PASTERNAK K	39854
PAPAZISI P	39798	PARIS M	1393	PARKS W R	50629	PARTHASARATHY H N	76883	PASTERNAK-WINIAR-	3084
PAPAZOV D	49888	PARIS P	39929		60911	76885	76886	SKI Z	
PAPE F	98651	PARIS R	19298	PARKYN P E	85402	PARTHASARATHY K R	72416	PASTEUR L	15526 27458
PAPE J C	80188	31576 60045	74751	PARLAGRECO A	16961	PARTHASARATHY L	108970		98611
PAPENDICK K	15342	PARIS R R	1393	26980 108452	108579	PARTHASARATHY M R	79030	PASTINA F	71472
PAPENFUSS G F	17613	PARIS S	50423	PARLI R	17411	PARTHASARATHY M V	17738	PASTO J K	7419 45295
PAPENHAGEN F	58852	PARISH D H	50110	PARMAKOV D	43692	PARTHASARATHY N	38776	PASTORE M	96466 103933
PAPERT R	97065	PARISH J	75448	PARMA G K	57128	PARTHIER B	9831	PASTORINI F M	45704
PAPI F	14470	PARISH R M	54862	74521 74975	87812	59096 89899	89900		86103
PAPI G U	66359		65107	PARMANN A	84564	PARTIN W R	90960	PASTRANA N P	46190
PAPIKYAN N A	28112	PARISOT A	75079	PARMASTO E	21464	PARTINGTON H	92764	PASTRO K R	72638
PAPILIAN V V	62350	PARISOT C	71952		26961	PARTIOT L	79904	PASTURE E	39855
PAPIN J L	78434	PARIZEK W J	82605	PARMEGGIANA N	45830		83648 83649	PASTURINO C L	30981
PAPINI J A	76601	PARK B	49238	PARMEGGIANI N	64360	94556 94557	94558	PASTUSZKO J	72714
PAPP E	104890	PARK D	9107		108453		97022	PASTY J C	66360
PAPP J	14830			PARMEGGIANI R	349	PARTMANN W	7210	PASVOGEL M W	22494
		PARK E L	107227	PARMELEE C E	44296	PARTON D J	11281		82570
PAPP L	12116	PARK H J B	107227		45479	PARTRIDGE J R	20818	PASZKOWICZOWA H	36505
		PARK H K	32788	PARMELEE J A	88547	PARTRIDGE R	84731	PASZTOR K	59225 90053
PAPP M	61040	PARK M K	7338	PARMENTER L	73659	PARTYKA R	88639	PASZYNSKI J	46661
PAPPARELLA V	13102	PARK P O	14076	73660 73661	73662	PARTYKA R E	47342	PAT J	20723
31968 36503	93318	PARK R	10818	PARMENTIER	40034		90392	PATAC-DE-LAS-TRA-	16320
PAPPELIS A J	8596	PARK R B	100386	PARMETER J R	12153	PARTYKOWA M	96856	VIESAS L	56206
9105 67739	89785	PARK R D	67174		37033	PARUPS E V	924	PATAKY B	44219 64989
		PARK R H	73026	PARN H	92520		78686	74630 85145	85146
PAPPERITZ R	100336	PARK T	34071	PARNAIK D T	31942	PARVIAINEN K	2994	PATAKY M	22235
PAPPRITZ C L VON	5824	PARNAKIVI H	93325	PARNAKIVI H	93325	PASA V	102210	PATALAS Z	30474 81320
5920	5921	PARNAMAGI H	6417	PARNAS J	72910	PASARELA N R	51559	PATAY J	56311
PAPRZYCKI O	21543	PARNAS G	62338	81821 93320	103821	73105	75211	PATAY R	87269
	61419	PARKASH S	24851		4404	PASARIBU A	97412	PATCHETT G G	94035
		54525 74799	68980	PARNELL I W	32275	PASAT E	62909	PATE D A	101490
PAPWORTH D S	8399	58914	79000		14657	PASC I	18823	PATE J B	78688
PAQUAY R	72085	PARKE B	87487	PARNELL J R	105890	PASCAUD X	5105		99183
PAQUET G	14280	PARKER B C	18615		1728	PASCHALL E F	54132	PATE J S	38327
PAQUET J	55334	PARKER B F	5921	PARNIA P	19845	PASCHKE A	60886	PATE R S	92916
PAQUIN R	58051	PARKER B W	69572	PARNICKE B	87887	PASCHKE H	31253	PATE T L	105038 105211
PAQUOT C	66032	PARKER C	39532	PARNUDI A	67592	PASCHKE J D	95493	PATEJDL C	49925
PAR J P	107178		39533	PAROWSKI R	52057		105971	PATEL B D	59369
PAR RAGULL J P	65310	PARKER C A	97946	PARR J F	39394	PASCON P	56310	PATEL B J	76632
		PARKER C F	22010		108359		76513	PATEL B M	21791 22011
PAR-RAGULL J P	44489			PARR C A E	88359	PASCOVSCHI S	71160		72253 92521
PARACER C S	9106	PARKER C O	15449	PARR J F	1130	PASCU T	31227	PATEL C B	1567
		PARKER D G	99635		68981		62339	PATEL C T	1560 105210
PARADIS R O	64206	PARKER E E	3164	PARR M J	13909	PASCUAL C R	24538	PATEL G C	40035 40097
	77887	PARKER E M	76320	PARR R D	65652	PASCUAL V C	73156	69660 70596	79414
PARAF A	41269	PARKER F D	5467	PARR T	105037		76887		101094
PARAIPAN V	31408	PARKER F W	70868	PARR W J	23237	PASCUAL-DE-QUINTO	25502	PATEL G J	48939
PARAMONOV A YA	53044	PARKER G W	98505	PARRA H J	21037	F		PATEL G R	5190
PARAMONOV P F	16905	PARKER H	44398		100387	PASCUCCI E	107606	PATEL J M	11272
	33717		91712	PARRA-ATENCIO R	6492	PASE C P	48843	PATEL J S	36264
PARAMONOV S J	17614	PARKER H E	62141	PARR E F	105891		79310	PATEL J K	42562
		PARKER H K	85998	PARR J	93321	PASEK J	92659	PATEL K P	47235
PARAM M	98305	PARKER J	17178		93552	PASESHNICHENKO A	1345	PATEL K R	48317
PARASCHIV M	9968			PARRE N	93325	V		PATEL M B	69177 100580
PARASCHIVESCU D	43219	PARKER J	66279	PARREIRA P	39613	PASESHNICHENKO V	69210	PATEL M K	9187 9188
	105390			PARRAUD H	88482	A			47450
PARASCHIVESCU G	63035	PARKER J B	7538	PARRINI P	30790	PASHCHENKO A A	64401	PATEL M L	7995 108070
PARASCHIVESCU M	61845			PARRINI S	105779	PASHCHENKO Z M	58794	PATEL M R	3643 3644
	63035	PARKER J E	22507	PARRIS G K	47146	PASHCHEV KH	32536		4398
PARASHAR D R	7493			PARRISH A T	2802	PASHEV I	78687	PATEL M S	16321 26111
PARATORI B O	28512	PARKER J L	35867	PARRISH B T	97518	PASHINSKII B	24952	45172 45173	45174
PARAU D	8476	PARKER J R	5104	PARRISH D B	42053		106990	55661	55662
PARBERY D B	67740	PARKER K G	18112		52203	PASHKOVSKII V G	40259	PATEL N G	53065 73357



ITEM			ITEM			ITEM			ITEM			ITEM		
PATEL N G	--CONT	74278	PATRICK Z A		77561	PAUL G		66866	PAVLOVA N M--CONT	90286	PEACOCK N	54863	54864	
PATEL P N	37415	99559	PATRICOT A		80873	PAUL G D		21461	PAVLOVA N N	68692	PEACOCK R		22599	
PATEL R D	22011	72253	PATRIN V		91393	PAUL H		7033	PAVLOVA N V	92829	PEACOCK W J		9492	
PATEL R M	5190	37520	PATRIZI F		71783	PAUL I	31275	31894	PAVLOVA U G	79874			18617	
	48935	44939	PATRIZI R		71783		31947	31969	PAVLOVA Z 44568	45921	PEADEN R N		52831	
PATEL R N		81609	PATRONE G	40475	50478				PAVLOVETS T M	102427	PEAK J W	9240	48881	
PATEL S		54672			81147	PAUL J R			PAVLOVIC R	3660	PEAKE R W		1573	
PATEL S P		11579	PATRUCCO C	28283	32235	PAUL L C			PAVLOVSKAYA V O	79866	PEAN M		86162	
PATEL T K	47291	57291		35154	35208	PAUL M A M	28996		PAVLOVSKII E N	63491	PEARCE D G		39535	
		85365		71642	72610	PAUL N B				76949	PEARCE D L		66229	
PATEL T N		38891		72807	75026	PAUL P C			PAVLOVSKII E S	109156	PEARCE F O	1878	17374	
PATEMAN J A		28358			93415	PAUL S C			PAVLOVSKII G T	64508	PEARCE G A	2051	9970	
PATER K	3580	44405	PATRUSHEVA V D		14659	PAUL T			PAVLOVSKII P E	25873			101557	
PATERNIANI E		18758	PATSCHEKE		57306	PAUL V	2991		PAVLOVSKY O	43058	PEARCE G W	23646	42537	
PATERNO V A		34712	PATSCHEKE G		12417	PAULEN J				83932	PEARCE J	3542	12894	
PATERSON A M		72161		41044	48389	PAULEY S S				44272			97353	
PATERSON A H		17283	PATSCHKE D		92800	PAULHUS N G			PAVLU V	33758	PEARCE O		10817	
PATERSON C R		16048	PATTABHIRAMAN T V		39615				PAVRI K M	41846	PEARCE S A		10811	
	44985	105456			78689	PAULI A W	1529				PEARCE S J		8538	
PATERSON D 1284M		16150	PATTARELLI M		103495		58778	58797	PAVUNA H	3661	PEARCE W		36265	
PATERSON D N		21439	PATTEE H E		59053	PAULIAN R			PAWAR J G		PEARL I A	1396	2989	
PATERSON E C		28834	PATTEN B C		58136	PAULICK C			PAWAR M S			28360	61562	
PATERSON H E		14658	PATTEN D T	9348	9349	PAULIN A	1131		PAWASKAR M G			81525	91732	
	43098	83261			18455	PAULIN L	42240		PAWELSKA K	23238			91763	
PATERSON J G		11087	PATTEN H L	17566	36684								100753	
PATERSON J J	11088	101555	PATTERSON A O		11756	PAULINI E			PAWLAK R		PEARLSTEIN R M		27815	
		15227	PATTERSON A W		104126	PAULINI J			PAWLAK A		PEARSALL W H		78348	
	45241	106274	PATTERSON C A		108601	PAULLING J R			PAWLAK S		PEARSE R A		56479	
PATERSON J S		43098	PATTERSON D D		66461	PAULOSE M M			PAWLIKOWSKI A		PEARSON A J A		18194	
		72446	PATTERSON D E		63677	PAULOV S					PEARSON A M		7135	
PATERSON J V J		75121			84452	PAULOV S						7211	12684	
PATERSON J Y F		42185	PATTERSON D F		22413	PAULS J F	22529		PAWLIKOWSKI M			17311	22957	
		42197			104024	PAULSELL L K						25858	35018	
PATERSON R 15125		62454	PATTERSON D S P		32241				PAWLINA Z		PEARSON C C		103758	
PATERSON R A		88542		72862	72863	PAULSEN A			PAWLISCH P E				103823	
PATERSON R M		109201	PATTERSON E B		62878	PAULSEN A E			PAWLOWSKA S				89936	
PATERSON S S		71013	PATTERSON E L		100672	PAULSON J T	25698				PEARSON C H		55445	
PATES J L		75360	PATTERSON F L		10318	PAULSON M C			PAWLOWSKI A		PEARSON C H O		48449	
PATHAK A N	20454	20455		18759	19489	PAULSSON V			PAWLOWSKI B		PEARSON E K		108738	
	20456	60154		38755	47714	PAULUCCI J F					PEARSON F R		33424	
		81021			47895	PAULUS A O	9002		PAWLOWSKI F		PEARSON G		65932	
PATHAK G N	48318	50314	PATTERSON G A		67802	PAULUS L			PAWLOWSKI J		PEARSON G R		51570	
PATHAK K D		44775	PATTERSON H L		16589	PAULUSMA P					PEARSON H	12844	13106	
PATHAK M D	4819	32790	PATTERSON J E		32237	PAULWITZ H J			PAWLOWSKI S H			22351	22353	
		94324			76970	PAULY J					PEARSON I G		31731	
PATHAK P K		4808	PATTERSON J T		42259	PAUN E			PAWLUK S	11282	PEARSON J		108614	
PATHAK R C		74808			45026	PAUNERO E				11426	PEARSON J D		42731	
PATHAK S G	9108	18922	PATTERSON L L		28572	PAUNESCU I			PAWSEY R G		PEARSON J E		56725	
PATHAK S R		55907	PATTERSON M E		34838	PAUNOVIC R			PAWSKI L		PEARSON J K J		41657	
PATHAK T C		11315	PATTERSON N A		23328	PAUNOVIC S			PAX F	43017	PEARSON J K L		71784	
PATHAK V K		33	PATTERSON R E		66677	PAUNOVIC S A			PAXINOS S A		PEARSON J O		29375	
PATHAN M H		103822	PATTERSON R M		31217						PEARSON L		8486	
PATI-NAGY E		94325			48841	PAUPARDIN C					PEARSON L C		28118	
PATIL A V		18854	PATTERSON R P		48499	PAUSCH H			PAXMAN E L		PEARSON L C		28118	
PATIL B D	48880	68537	PATTERSON R S		63490	PAUSHEVA Z P	40812		PAXMAN G		PEARSON M S		25983	
	68641	100445		93999	105212	PAUSIN J	1204		PAXMAN G J		PEARSON P B		76923	
PATIL B P		47343	PATTERSON S J		55969	PAUSTIAN A R			PAXSON J B		PEARSON P T		3246	
PATIL B V		68182			96689	PAUTARD J			PAXTON J D			3868	13288	
PATIL F V	53245	63920	PATTERSON T B		31119	PAUWELS F M			PAYAK M M		PEARSON R G		104025	
PATIL J S		38801	PATTERSON T M		20899	PAV J			PAYENS T A J			6388	83799	
PATIL N D		60214		70145	101556	PAVAKUL M					PEARSON R W		59287	
PATIL N P		56207	PATTIE J		3946	PAVAN M			PAYES B			60467	78730	
	79180	108071	PATTIE W A	82754	93588	PAVARI A	61156		PAYFER R	73042	PEARSON W N		98382	
PATIL S		34705	PATTIMORE E		94177	PAVATE M V			PAYNE B J		PEART R M	5692	15202	
PATIL S K	15369	15854	PATTISON I H		32276	PAVEL G			PAYNE C G	41926		63214	63215	
		35439		42198	72864	PAVEL J				96009	PEARY J A		68985	
PATIL S S	931	68183	PATTISON M		57082	PAVEL M			PAYNE J B		PEASE A S	57225	77403	
PATIL S V		29513	PATTJE D J	2503	80496	PAVEL M			PAYNE J H	55879	PEASE C M		107996	
PATIL T Y		97899	PATTON C T		79188	PAVELIS G A				55942	PEASE H L	88678	94035	
PATIN D L		106861	PATTON D R		102831		40262		PAYNE J M	3662	PEASE R		96143	
PATINO V M		46750	PATTON E L	26025	26041	PAVES H	2722			72237	PEASE R W	23891	86544	
PATIU C		66676			35196	PAVES KH K			PAYNE K B				95495	
PATKOS I	33625	64396	PATTON J	34986	56232	PAVEY R L			PAYNE L C		PEASE W		85618	
PATMOKE D		69888	PATTON R L	14926	33020	PAVGI M S			PAYNE M G	842	PEASLEE D E		60156	
PATNAIK B P		102009		53541	95576	PAVICEVIC N					PEAUD-LENOEL C		19094	
PATNAIK J		14561	PATTON S	6451	13103	PAVILLANIS V			PAYNE R M		PEAVEY H M	94179	94181	
PATNAIK K K		1395		65070	74448	PAVILLARD J			PAYNE R N	19093	PEAY W E		42614	
PATNAIK M M		3659			85320						PECANHA-DOS-SANT-		17177	
	31402	41655			13104	PAVILLON F			PAYNE W J A		OS F			
		104698	PATTON W H		79858	PAVLOT G				13105	PECAUT P	59858	90551	
PATNAIK N		49638	PATTOU M		86881	PAVLOT G				72354			101432	
PATNAIK S N		18612	PATTY G		68881	PAVLOUR-SMITH K			PAYNE W L		PECEGO R M	13107	82252	
PATNYAK B C		3856	PATUELLI V	44007	45705	PAVLAS M	41662		PAYNE W R		PECH G		80949	
PATO C DE M		85092			65418				PAYNE W W	9491	PECH J		105128	
PATO I		15200	PATURAU J M		55908	PAVLEK V			PAYNTER J R		PECHAC A		62403	
PATO M A DA S		59619	PATUTINA L G		68932	PAVLENKO F A			PAYSON R M		PECHAN I		63768	
PATO O	6302	24695	PATWARDHAN P G		67972				PAYTON-BROWNE L		PECHENITSYN V P		58798	
	54435	96310	PATWARI J		45175	PAVLENKO V A					PECHERT H		4212	
PATON A C		59030	PATYK S	51912	94180	PAVLICA J			PAYUMO E M		PECHER M		22352	
PATON F J		39614	PATYZE W		80386	PAVLICHENKO V			PAZARIK K I		PECHEUR P		74633	
PATON J M		103046	PATZOLD C	6879	59857	PAVLICK A L			PAZIRUK K		PECHFELDER A		103824	
PATON M S		96078		70597	78690				PAZIRUK K I	107379	PECHMANN H VON		40852	
PATQUILLET C		1003	PATZOLD H	48319	58795	PAVLAK A	45230		PAZLAR M				41170	
PATRA B C		60038	PATZSCHKE D		13594	PAVLAKOV A			PAZMANY D				96280	
PATRA B N	31382	92003		28634	31796	PAVLINOVA O A			PAZUR J H		PECHT G	3484	41237	
PATRASCANU E		73265		34497	35747	PAVLUK A			PAZZAGLI A				92342	
		73266				PAVLOTSKAYA F I			PAZZI J J O		PECHUMAN L L		23687	
PATRIC J H		68393	PAUCA A		36733	PAVLOV A I	33509				PECIAR B		18437	
PATRIC T		96311	PAUDLER W W		19382	PAVLOV A N	38328		PCHELAROV V		PECIAR V	169	8789	
PATRICK A R		46523			28359	PAVLOV K							99018	
PATRICK B	60046	60047	PAUKSENS J		1514	PAVLOV L	56601		PCHELAROVA P		PECK A J		101677	
PATRICK C		44265	PAUKSTE V		28867	PAVLOV L A			PCHELKIN YU N		PECK B T	55214	66517	
PATRICK H	22558	41892	PAUL A	21734	108033	PAVLOV N			PECHKINA A A				86759	
	41934	61665	PAUL A B	6080	7664	PAVLOV P	23160		PEABODY D V		PECK H M		61946	
	72589	80780		34136	84882		71729	72991	PEACE E J		PECK L B		62866	
	92660	93322	PAUL A G		66022	PAVLOV S			PEACE T R		PECK N H	40037	70598	
PATRICK K H		19092	PAUL B	16447	87872	PAVLOV V M			PEACHEY J E		PECK R	59195	69435	
PATRICK R		55174	PAUL B H		12033	PAVLOV V N					PECK W D		52671	
PATRICK R B		18254	PAUL C		97352	PAVLOVA A M					PECKER M		38617	
PATRICK S G		93153	PAUL C F		14660				PEACOCK F C		PECKHAM J R		71571	
PATRICK T E		22016	PAUL C V		24038	PAVLOVA L YA			PEACOCK F M		PECKHAM R S		7612	
	22017	62019	PAUL E A	10050	11169	PAVLOVA M D				62078	PECLARD A		26880	
PATRICK W H		2411	PAUL F	44220	74631	PAVLOVA M S			PEACOCK H A		PECORA E J		60389	
	2412	60466				PAVLOVA N M			PEACOCK J T		PECZAK J		47147	

PFCZNIK J --CONT	80387	PEIVE J	40038	50112	PEMBERTON C E	52885	PEO E R --CONT	93793	PEREZ M E	75012
	91140	PEIVE YA V	29514	70599	PENA A DE LA	35961	PEOPLES S A	62340	PEREZ O G	46194
PEDENKO M E	1645		80241	80388	PENA J L F	54956	PEPERZAK P	61086	PEREZ V	71650
PEDERICK L A	50898	PEIVE-YA V		78693	PENA L E	106028	PEPIN H S	9020	PEREZ Y PEREZ F	72993
PEDERSEN A	36473	PEIXOTO A M		65223	PENA M A	47344	PEPLER W A E	21092	PEREZ-AGUILAR M V	75604
	36888	PEJOSKI R	12292	71530	PENA-CERVANTES C	7787	PEPLINSKI A J	16136		
	67593	PEJOVICS B		19095	PENA-SOSA A	6344	55364	96993	107508	
	77021	PEK L V	4820	4821	PENAS E J	60373	PEPPEL C R	72866	PEREZ-ARBELAEZ E	66678
PEDERSEN A H	57308	PEKARSKY P		5533	PENAVIN V	3663	PEPPEL M C R	32192	PEREZ-ARRIETA A	22735
	85477	PEKAS J C		52557	PENCE J W	1513		72755	PEREZ-CATAN E	4436
PEDERSEN A M	2733	PEKATOROS L G		11757	7029	34869	44948	88640	22245	22833
PEDERSEN A W	22305	PEKEL A		72085	65715	75449	75450	96170		
	61933	PEKELHARING C A		76972	86003	86004	107473	88641	PEREZ-DE-SAN-ROM-	68267
PEDERSEN H	24778	PEKENO KH P		54731	PENCE R J	14247	23453	99224	PEREZ-DEL-VISO J	75649
	53860	PEKER M		103298	PFNCEV P		87767	61200	A	
PEDERSEN H A	6081	PEKHLIVANOV M		51792	PENCHARZ R		52257	53531	PEREZ-ESCOLAR M E	73726
	27038			104693	PENCHEV KH	41240	42261	51330	PEREZ-FRANCO J	41988
PEDERSEN J	76496	PEKHOTA I		96638	PENCIU P		103299	57753	PEREZ-GOMEZ P	46193
PEDERSEN J C	17375	PEKIC B		82571	PENDELETON J W		91019	65934	PEREZ-LCPEZ A	19839
PEDERSEN J R	16358	PEKING F	106025	106026	PENDEKAST W		66946	62044	39020	77973
	25624	PEKING R		106027	PENDERS J M A		46192	85338	PEREZ-MARTINEZ M	85093
PEDERSEN K E	100754	PEKKARINEN L		6303	56863	56864	86883	92738	PEREZ-MOREAU R	17768
PEDERSEN M W	9971	PEKKARINEN M		67427	PENDLETON A M		87489	77695	PEREZ-NAVARRO-Y---	1515
	53073	PEKLO M I		40590	PENDLETON J W		1506	96073	FLOREZ-ES	
PEDERSEN U K	52523	PEKSHIBAEV M I		18667	PENDLETON M B		21493	52211	PEREZ-NIEVAS C	85692
	52672	PEL K		96095	PENDLETON M H		46317	62713	62763	85864
PEDERSEN P J	13383	PELAZ A		61848	PENEF G S	1354	47748	87999	PEREZ-OTERO J E	18337
PEDERSEN P N	36473	PELAGGI A		93630	PENEFF P P		44374	43018	PEREZ-SALAS J	102010
PEDERSEN R W	97900	PELATI L		51682	PENER M P		106103	101190	102011	
PEDERSEN S	7786	PELCARU V	31134	51682	PENEV I		46802	29416	PEREZ-SALAS-Y-LA-	20725
PEDERSEN T T	41238	PELCHOWICZ Z		83128	PENEV N	91524	102543	83244	MO-DE-ESP	
	74089	PELCZARSKA L		62973	PENEV P		64559	72992	PEREZ-UGALDE G	99965
PEDERSEN W	22107	PELED D		4389	PENG C		101163	39640	PEREZ-Y-PEREZ F	103581
PEDERSEN W C	44569	PELEEV A		35115	PENG J		66309	24620	PEREZNIEVAS C	85033
PEDERSON C S	25529	PELEEV A I		65933	PENG J L		2719	84395	PERFANOV G	59444
	85025	PELEG B A		104410	PENG M P		90096	89902	PERFILEV I A	17769
PEDERSON H C	85064	PELEG E O		21971	PENG T S		33557	89903	PERFILOV V A	73967
	96991	PELEG J		4745	PENGELLY R		70146	10240	84395	
PEDERSON V D	68237	PELEKASSIS C E D		23091	PENGELLY W L		61260	35379	PERFONT G	30507
	77777			23327	PENIGILI M	28805	90359	43866	50209	53651
PEDINI B	22239	PELGRUM A		49639	PENICILLIN V		16418	17438	65224	102213
PEDRAJA R	6389	PELHAM-CLINTON E		73831	PENIONZHKO A M		81822	52377	106227	
PEDRAZA-GONZALEZ	75246	C		84228			96505	52422	21985	
		PELIAKH A		39106	PENKA M		1135	1137	PERHINSKY J	21985
PEDREIRA J V S	41239	PELICK N		45191	PENKA M		66230	9973	PERIASAMY K	37745
PEDRERO J	50316	PELIKAN J		64285	PENKLIS P		8118	64990	PERICART J	63965
PEDRERO M J J	11706	PELIKANOVA B		40371	PENKNER G		86760	81836	PERIE N M	63257
PEDRINI E	26559	PELISEK J	21203	30458	PENKOV D		49574	69258	PERIER J	59964
PEDRO G	80189	PELISHEK R E		60656	PENKOV I		59645	26377	PERIES O S	9111
PEDROTTI F	78051			79967	PENKOV M G		80190	26377	77778	77779
PEDZIWILK F	30796	PELIZZATTI P		32155	PENKOV O G	49743	68905	28806	PERIGAUD S	49640
	30797			51850	PENMAN H L	68905	68986	28806	PERINA V	71047
PEEBLER R	30065	PELIZZATTI A	44288	6833	PENMAN H L	68905	68986	34792	PERINI E	17238
PEEBLES M J	48323	PELIZZATTI A		97166	PENN G H		17426	90287	47896	75451
PEEBSEN E	97087	PELIZZONI W J		61305	PENN R J	26673	26981	90287	PERINI F	89904
PEECH M	2145	PELLA G		45436	PENNA L A		36083	46669	PERINI G	65087
PEEK C A	37592	PELLEGRIN F		17412	PENNAK R W		572	27111	PERIRA J C	101906
PEEK J M	2882	PELLEGRINI D		31405	PENNDORF F	25701	44949	100048	PERIS S V	14661
PEEL A C	2666	PELLEGRINI N		107647	PENNELL J T		63427	16076	PERIS-Y-PEREZ P	100391
PEEL A J	9972	PELLEGRINI O		31300	PENNER D		15203	39395	PERISIC E M	56481
PEEL D J	85933	PELLEGRINI S		31300	PENNER E		7832	1138	PERISIC M H	57984
PEEL J D	41025	PELLEGRINI S		31300	PENNER L R		41985	23239	99456	
PEELE T C	77091	PELLEGRINI S		31300	PENNEY B E		104017	23239	PERJES P	54320
PEELER H T	22559	PELLEGRINI S		31300	PENNINGS FELD F		19096	79900	PERJU T	105662
PEELER R J	7375	PELLEGRINI S		31300	48324	68987	69889	18618	PERK A	36103
PEEPLES F H	90261	PELLEGRINI S		31300	PENNINGS FELD F		19096	100389	PERK C G M	26296
PEERDEMAN M P	33425	IROLI S		37908			99689	94937	75852	
	33426	PELLEKAAN J W VAN		67045	PENNINGTON F C		89628	50208	3570	21898
PEERBOOM J W C	24853	H		19979	38528		19338	79333	42199	71785
PEET T	14888	PELLEKOOREN A		19979	PENNINGTON F C		48600	80983	103300	
PEETERMANS J	93252	PELLERDY L	4215	104411	PENNINGTON R J		52411	90766	52162	
PEETERS H	6037	PELLERIN M		62525	PENNINGTON R P		91394	41291	48883	
PEETERS L	65612	PELLES A		84168	PENNINGTON R W		104840	41291	4978	4979
PEEV B	80706	PELLET M		20350	PENNINGTON T D		68370	57983	4981	23454
PEEV N	84438	PELLETIER C P		2091	PENNISI C		38330	99454	23456	73416
PEEVY F A	91548	PELLETIER J		101558	PENNOCK J F		10204	100390	83651	83652
PEEVY W J	29769	PELLETIER J		104197	PENNOCK W	6906	39014	29266	PERKINS D A	37888
	60466	PELLETIER S W		38606			49066	75029	PERKINS D H	76178
PEEZ A VON	94936	PELLETT H M		1134	PENNY A	11642	19472	13542	PERKINS E J	36736
PEGAZZANO F	14181			69023	40101	70652	70653	62714	70386	
	14436	PELLETT P L		97164	PENNY D H		26982	71046	PERKINS F A	65562
PEGELMAN S G	22654	PELLICONI A		107581	PENNY I F	7130	25865	11758	75226	
PEGG S E	13206	PELLING C	5279	33183	PENNY J M	20724	40039	11759	PERKINS H F	29865
	53682	PELLIZZARI C		16727	40263	40264	45302	52409	PERKINS H G	2413
PEGGIE I D	82334			16728	PENNY L H		27749	71577	PERKINS H H	65318
PEGLER D N	222			45706	PENNY N M	43959	84826	103062	PERKINS H J	48602
	99114			46191	PENNY R H C		3247	29101	55189	
	99115			76176			32508	11760	1879	
PEGLER R A D	89468	PELLIZZI G	53705	66169	PENON P		1136	60657	1880	
PEGREFFI G	61847		74118	84500	PENOT M	19097	58799	102456	PERKINS H R	47451
PEGUY M	89901	PELOQUIN S J		100077	PENSACK J M		25079	79907	PERKINS R H	61368
PEH T B	41025	PELOQUIN S J		78256	PENSE J W		7036	51550	102888	
PEHL K H	32507			99965	PENSINGER R R		72421	46970	PERKINS R J	26761
PEHLIVANOV M	52396	PELOV I		31906			104047	88500	PERKITNY T	91714
PEHRSON B	13014	PELSHENKE P F		7034	PENSO G	6210	30971	99057	PERKOWSKA E	5305
PEHRSON E	19804			25700			46768	99061	105754	
	89368			44947	PENSUET P		25817	99062	1179	
	99223			86000	PENTEADO L A		41897	71876	PERKUS M P	32477
PEHRSSON E	24896			86002	41898	41899	41900	93323	PERLASCA G	49359
PEHSLIES H	5991			82215	41901	41935	41949	57697	PERLEA M	96186
PEHU-LEHTONEN A L	107871	PELT J G VAN		76322	41950	41951	42030	55910	PERLEA V	91223
PEICHEV B	91934	PELTIER C		25317	41950	42034	42101	22464	PERLIN A S	10241
PEICHINOV G	102867	PELTIER G L		3394	PENTIKAINEN P V		2909	7494	PERLIN C	104295
PEIN G	34923	PELTJES J H		3760	PENTJARV A		74033	75851	PERLSTEIN Z	72657
PEINADO LUCENA E	65192	PELTOLA E		62129	PENTTILA A	28361	79031	594942		



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
PERNICONE G--CONT 27865	PERSSON O 71013	PETERS C D 25536	PETERSON F J 20726	PETR J 21419	PETRAK A 69366		
PERO R 13595	PERSSON P E 67741	PETERS C L 32847	PETERSON G A 40041 102013	PETRAK A F 76054	PETRAK A H 99116		
PEROMBELON M 28323	PERSSON P J 1570	PETERS C W 77619	PETERSON G H 90055 100841 108455	PETRANOVA H 8743	PETRANYI I 10488 29772		
PERONE V B 28377	PERSSON P K 87999	PETERS D 37469	PETERSON G W 77780	PETRASHCHEVSKAYA E 92917			
PERONNE B 62455	PERSSON S 40660 57023	PETERS D B 39655	PETERSON H B 99457				
PEROTTI L 17180 57023	PERSSON S J 48327	PETERS D C 23207 42615	PETERSON H C 20463 90844				
PEROVA YU O 48327	PERSTNEV S 41658	PETERS E J 10069 10070	PETERSON H O 97519				
PERPEZAT A 48327	PERSTNEV S N 49049	PETERS F N 24467	PETERSON H P 23153 27555 63131				
PERRADIN G 19767 73832	PERTEN H 55337 86005	PETERS G H 26430	PETERSON J B 40340				
PERRAJU A 33113 73832	PERTI D N 107515	PETERS G L 63605	PETERSON J E 82248 82253				
PERRAMON A 31355	PERTI S L 13996 14660	PETERS H F 82001	PETERSON J L 99332				
PERRAUDIN G 10612	PERTICARA G 7376	PETERS H M 55596	PETERSON J M 66679				
PERRAULT C 22620	PERTOLDI G 74324	PETERS I I 34441 96519	PETERSON J W 57821				
PERRAULT J C 57393	PERTOVAARA H 2909	PETERS J A 22834 10127	PETERSON K 92464 93326				
PERREAU P 4390 41659	PERTSEVA A A 86884	PETERS J B 59591 59592	PETERSON K J 93552 93868 98409				
PERREAU-BERTRAND 57719	PERTSEVA A N 49816	PETERS J V 43290	PETERSON K R 103827				
J	PERTTUNEN V 14390	PETERS K H 15697	PETERSON L 40863				
PERRET D 104715	PERUANSKII YU V 27210	PETERS L L 42526	PETERSON L A 100609				
PERRETTE L 64218	PERUCCI E 16498	PETERS L V 38704 48835 69575	PETERSON L C 29771				
PERRI A 71785	PERUMAL S 68988	PETERS P J 69757	PETERSON L K 23789				
PERRIER E R 39663	PERUN D 24203 56074	PETERS R A 29308 29309	PETERSON M J 67176				
PERRIER H 84357	PERUZZI D 26674	PETERS R F 38645 67594 79841	PETERSON M L 19550				
PERRIN A 58800	PERVOAISKII G S 109156	PETERS R H 94182 94183 94184	PETERSON M S 80761				
PERRIN D R 1317	PERVOV N G 82103	PETERS S 5358	PETERSON N 74522				
PERRIN F 1139	PERVUKHINA N V 134	PETERS W J 43099	PETERSON P A 51159				
PERRIN H 50479 60846	PERYAM D R 24466 64779	PETERS W P 105849	PETERSON P J 100073				
J	PESANTE A 83448	PETERSDOORF H 38853	PETERSON R A 10242				
PERRIN J L 6454	PESCE G 69118 78697	PETERSEN A 7893 10487	PETERSON R C 72089				
PERRIN L 42317	PESCE G 98608	PETERSEN B 5534 5535	PETERSON R D 72102				
PERRIN R 43805	PESCHER H 22110	PETERSEN D R 84341	PETERSON R F 64890				
PERRIN R M S 60272	PESCIONE P 5971	PETERSEN E 23457 42823	PETERSON R H 59227				
PERRIN W J 10819	PESEK J 60365 68691	PETERSEN E D 97901	PETERSON R J 50945				
PERKINE D 80242	PESEK J T 2364 48761	PETERSEN E J 20294	PETERSON R M 39107				
PERKINE E C 91397	PESEK V 108454	PETERSEN E V 12225 12226	PETERSON R S 59556				
PERKING F H 77271	PESHKEPIA M 30984	PETERSEN F M 30334	PETERSON S 40955				
J	PESHKOV M A 47782	PETERSEN G B 59034	PETERSON T A 102947				
PERRING M A 107256	PESHKOV V 25049 25050	PETERSEN G M 5732	PETERSON T G 19383				
J	PESIGAN L M 64723	PETERSEN H 90447	PETERSON V 1644				
PERRON P 43218	PESKO A 74610 89604	PETERSEN H H 15069	PETERSON W G 21532				
PERROT A 22678 54321	PESKO C C DI 17015	PETERSEN H I 70148	PETERSON W H 36421				
PERROT H 104743	PESSI V 85478	PETERSEN J 64835	PETERSON W P 62321				
PERROTT L V 54321	PESSI Y 69427 79100	PETERSEN J B 95147	PETERSONE I 22495				
PERROUD G 26297	PESSO A DE P 23113	PETERSEN J J 108737	PETERSSON H 52558				
PERROY M 98182	PESSO A F 21304	PETERSEN K 46195	PETERSSON S 22496				
PERRY A 19689 38892	PESSO S B 83265	PETERSEN L 9184	PETERSSON S 22655 22708 22709				
PERRY A S 32709 52738	PESSON P 4895 42738	PETERSEN O V 19840	PETESHEV V M 4746				
PERRY B A 36590 57394	PESTALOZZI H 46573	PETERSEN P W 95789	PETEV P 62342 73543				
J	PESTANA C G A 46653 53993	PETERSEN R 96067 96074	PETHIYAGODA U 50042				
PERRY C A 107043	PESTANA-DE-CASTRO 104926	PETERSEN R H 44562 44673	PETHO M 47346 77781				
PERRY D A 88860	A F 6304	PETERSEN R K 37011 88543	PETIT J 77782				
PERRY D C 15115 74034	PESTEL H 6304	PETERSEN R O 52831	PETIT J G 78242				
PERRY F 29699 38082	PESTI L 3085 12686	PETERSEN T A 76384 76385	PETITNOV N S 80635				
J	PESTINSKAYA T V 37051	PETERSEN V E 22707	PETITNOV N S 80635				
PERRY G A 106839	PESTMAN J H 2962	PETERSEN V K 93136	PETITNOV N S 80635				
PERRY J 97354	PESMANI K M 4822	PETERSEN W 64625	PETITNOV N S 80635				
PERRY J D 40418	PESZESZER GY 106840	PETERSEN W H 103857 103858	PETITNOV N S 80635				
PERRY J P 78176	PET G 20110 57762	PETERSEN W J 15204	PETITNOV N S 80635				
PERRY J S 81443	PETAL J 84099	PETERSEN W L 12909	PETITNOV N S 80635				
PERRY K D 82507	PETCH A M 40661	PETERSON A 40130 40131	PETITNOV N S 80635				
PERRY M 75520	PETCH C P 88238	PETERSON A C 84174 95496	PETITNOV N S 80635				
PERRY M M 14693	PETCU D 91805 91889	PETERSON A G 64889	PETITNOV N S 80635				
PERRY R 84169	PETCU P 38607	PETERSON A W 28514 91330	PETITNOV N S 80635				
PERRY R L 314	PETEF F 38530	PETERSON B 72024	PETITNOV N S 80635				
PERRY R M 10820	PETEF M 93324	PETERSON B V 5306	PETITNOV N S 80635				
PERRY T O 28119 50673	PETER A 62669 65452	PETERSON C A 55092	PETITNOV N S 80635				
PERRY T R 2414	PETER A V 11500	PETERSON C E 71431 96900	PETITNOV N S 80635				
PERRY T W 4511 12920	PETER E 25785 35195	PETERSON D 49360	PETITNOV N S 80635				
22109 31149 31150	PETER H 4982 15913	PETERSON D G 4626	PETITNOV N S 80635				
41486 41487 41537	PETER I 75650 86238	PETERSON E 63654 105302 106841	PETITNOV N S 80635				
41552 51715 62102	PETER N J 74977	PETERSON E H 82643	PETITNOV N S 80635				
62130 62141 72086	PETER S D 100894	PETERSON F C 104412	PETITNOV N S 80635				
72087 72088 72089	PETER V 52163		PETITNOV N S 80635				
72110 72255 82774	PETER W 4552 32460		PETITNOV N S 80635				
82776 82777 82786	PETER-CONTESSA J 12063		PETITNOV N S 80635				
J	PETTERBURGSKII A V 11582		PETITNOV N S 80635				
PERRY V A 87837	11583 11584 27406		PETITNOV N S 80635				
PERRY V G 482 510	39740 40040 48328		PETITNOV N S 80635				
J	48329 49744 50113		PETITNOV N S 80635				
PERRYMAN C 53652 60937	54731 60157 68989		PETITNOV N S 80635				
97991 97992 108538	68990 68991 70311		PETITNOV N S 80635				
PERSECA E 88805	70312 70602 70603		PETITNOV N S 80635				
PERSELL R M 51293	70604 109057		PETITNOV N S 80635				
J	70604 109057		PETITNOV N S 80635				
PERSHIN G P 57309 71527	PETERF S 28120 100392		PETITNOV N S 80635				
J	PETERJOHN G W 89585		PETITNOV N S 80635				
PERSHIN N P 1516	PETERKA D 88106		PETITNOV N S 80635				
PERSHINA M N 49889	PETERLE T J 83180		PETITNOV N S 80635				
49890 70441 70600	PETERMANN R 105362		PETITNOV N S 80635				
J	34973 88060		PETITNOV N S 80635				
PERSIA G 35911	PETERS A 15259 64481		PETITNOV N S 80635				
PERSIANI G 7126 34386 35019	PETERS A C 104186		PETITNOV N S 80635				
J	PETERS B G 88936		PETITNOV N S 80635				
PERSIEL I 18619	PETERS C C 40803		PETITNOV N S 80635				
PERSIEN J P 83929			PETITNOV N S 80635				
PERSIN S A 47148			PETITNOV N S 80635				
PERSON C 57986			PETITNOV N S 80635				
PERSON N K 54699 65722			PETITNOV N S 80635				
J			PETITNOV N S 80635				
PERSON R 66032			PETITNOV N S 80635				
PERSONOV M P 73596			PETITNOV N S 80635				
PERSSON A 59860			PETITNOV N S 80635				
PERSSON A R 59865			PETITNOV N S 80635				
J			PETITNOV N S 80635				
PERSSON C J 53890			PETITNOV N S 80635				
PERSSON E 79058 99786			PETITNOV N S 80635				
PERSSON G 78281			PETITNOV N S 80635				
PERSSON H 17837 74131			PETITNOV N S 80635				
J			PETITNOV N S 80635				
PERSSON N 87060			PETITNOV N S 80635				
PERSSON N E 11581			PETITNOV N S 80635				
J			PETITNOV N S 80635				
20293 101433			PETITNOV N S 80635				

PETROVICI E	22765	PEYTON J L --CONT	45244	PHILIPP R	24330	PIACCO R --CONT	48729	PIEPER R U	58178
PETROVICI P	59228	PEYTON MRS J L	42098	PHILIPP W	57395	PIACENTINI P	48730	PIEPER W R M E	1975
70641	96813	45243	45244	PHILIPPI K	23348	PIANA G	34486	PIEPHO H	14340
PETROVICKY P	103986	PEZA J M DE LA	16448	PHILIPPS J	106882	PIANA G P	4983	PIEPOLI G	26052
104026	104026	PEZACKI W	7131	PHILIPPS W VON	45831	PIANO E A DEL	51996	PIER A C	107718
PETROVITCH Z	42054	55537	75651	PHILIPSON C	73825	PIANOWSKA Z	83654	PIERANTONI P	33427
82651	82651	PEZIE H	97165	PHILIPSON L	15134	PIAO P N	109157	PIERCE A E	95498
PETROVITZ R	53279	PEZZO L DEL	95497	PHILIPSON T	15134	PIASEK Z	109158	PIERCE A G	107718
94938	94939	PEZZOLI G	45086	PHILIPSON W R	75333	PIAT B L	109158	PIERCE A L	103832
105664	105664	PFADT R E	31592	PHILLIPS A	84502	PIATKIEWICZ A	30791	PIERCE A R	64560
PETROVSKAYA E A	13544	PFALTZER H J	95573	PHILLIPS A B	108142	PIATKOWSKI B	707876	PIERCE C	95889
PETROVSKII V V	46605	PFALLZGRAF W	58099	PHILLIPS A L	3245	PIATKOWSKI B	82919	PIERCE C W	22639
82462	94003	PFALLZGRAF W	107966	PHILLIPS A M	71692	PIATKOWSKI B	61794	PIERCE H C	31944
PETROVSKY M	3179	PFANDER W H	47897	PHILLIPS C	70842	PIATKOWSKI B	79602	PIERCE J C	92525
4381	4381	71651	71652	PHILLIPS C B	702	PIATKOWSKI B	79602	PIERCE J G	85620
PETROVSKY R	104287	PFANNKUCHEN S	42157	PHILLIPS C E	99459	PIATKOWSKI B	79602	PIERCE J S	31922
PETRU E	18559	103129	10442	PHILLIPS C E L	2665	PIATKOWSKI B	79602	PIERCE K R	77986
46751	19103	10442	10442	PHILLIPS C W	5650	PIATKOWSKI B	79602	PIERCE N	48260
PETRUCCHI E	41230	PFANNUCHEN S	3325	PHILLIPS D J	44223	PIATKOWSKI B	79602	PIERCE P E	24959
PETRUCIOLI G	26113	PFANNUCHEN S	3325	PHILLIPS D S M	83449	PIATKOWSKI B	79602	PIERCE R S	106998
66037	107754	PFANNUCHEN S	3325	PHILLIPS E L	99225	PIATKOWSKI B	79602	PIERCE S E	86122
PETRUHA D I	83340	PFANNUCHEN S	3325	PHILLIPS F T	93258	PIATKOWSKI B	79602	PIERCE T	97181
PETRUKHIN I	103128	PFANNUCHEN S	3325	PHILLIPS G O	102805	PIATKOWSKI B	79602	PIERCE W D	62975
PETRUKHIN I V	32397	PFANNUCHEN S	3325	PHILLIPS H C	41353	PIATKOWSKI B	79602	PIERCE Y S	55496
PETRUNIN V	29948	PFANNUCHEN S	3325	PHILLIPS H P	20052	PIATKOWSKI B	79602	PIERCE Y S	6584
PETRUNIN V M	60602	PFANNUCHEN S	3325	PHILLIPS I D J	44009	PIATKOWSKI B	79602	PIERCE Y S	64966
PETRUNKEVITCH A	104961	PFANNUCHEN S	3325	PHILLIPS J D	47348	PIATKOWSKI B	79602	PIERCE Y S	13721
PETRUNYAK V	35360	PFANNUCHEN S	3325	PHILLIPS J E	57822	PIATKOWSKI B	79602	PIERCE Y S	104699
PETRUSOVICZ K	99787	PFANNUCHEN S	3325	PHILLIPS J J	103301	PIATKOWSKI B	79602	PIERCE Y S	83165
PETRUSHOVA N I	105303	PFANNUCHEN S	3325	PHILLIPS J L	47784	PIATKOWSKI B	79602	PIERCE Y S	66124
PETRYAEV E D	27637	PFANNUCHEN S	3325	PHILLIPS L L	47784	PIATKOWSKI B	79602	PIERCE Y S	49934
PETSHCH H	87061	PFANNUCHEN S	3325	PHILLIPS M A	24068	PIATKOWSKI B	79602	PIERCE Y S	31971
PETTE J	103829	PFANNUCHEN S	3325	PHILLIPS M S	96068	PIATKOWSKI B	79602	PIERCE Y S	45177
PETTE J W	22240	PFANNUCHEN S	3325	PHILLIPS M S	106247	PIATKOWSKI B	79602	PIERCE Y S	57989
62344	72256	PFANNUCHEN S	3325	PHILLIPS M S	43479	PIATKOWSKI B	79602	PIERCE Y S	69728
82255	92523	PFANNUCHEN S	3325	PHILLIPS M S	39054	PIATKOWSKI B	79602	PIERCE Y S	31425
PETTEM S W	32782	PFANNUCHEN S	3325	PHILLIPS M S	101751	PIATKOWSKI B	79602	PIERCE Y S	103825
PETTEN J L	57226	PFANNUCHEN S	3325	PHILLIPS M S	105039	PIATKOWSKI B	79602	PIERCE Y S	9977
PETTINGILL D H	74096	PFANNUCHEN S	3325	PHILLIPS M S	20053	PIATKOWSKI B	79602	PIERCE Y S	19102
PETTER A	21900	PFANNUCHEN S	3325	PHILLIPS M S	104219	PIATKOWSKI B	79602	PIERCE Y S	89631
PETTER G	92772	PFANNUCHEN S	3325	PHILLIPS M S	51793	PIATKOWSKI B	79602	PIERCE Y S	96632
PETTERSEN P	51073	PFANNUCHEN S	3325	PHILLIPS M S	103830	PIATKOWSKI B	79602	PIERCE Y S	58071
PETTERSEN R	85231	PFANNUCHEN S	3325	PHILLIPS M S	85619	PIATKOWSKI B	79602	PIERCE Y S	58100
PETTERSON D R	25227	PFANNUCHEN S	3325	PHILLIPS M S	107179	PIATKOWSKI B	79602	PIERCE Y S	25026
PETTERSON H	27459	PFANNUCHEN S	3325	PHILLIPS M S	224	PIATKOWSKI B	79602	PIERCE Y S	29312
27489	27489	PFANNUCHEN S	3325	PHILLIPS M S	9976	PIATKOWSKI B	79602	PIERCE Y S	83341
PETTERSON K	93325	PFANNUCHEN S	3325	PHILLIPS M S	8190	PIATKOWSKI B	79602	PIERCE Y S	43019
PETTERSSON C G	88801	PFANNUCHEN S	3325	PHILLIPS M S	9966	PIATKOWSKI B	79602	PIERCE Y S	53290
PETTERSSON H	12609	PFANNUCHEN S	3325	PHILLIPS M S	38333	PIATKOWSKI B	79602	PIERCE Y S	46962
82458	82458	PFANNUCHEN S	3325	PHILLIPS M S	25273	PIATKOWSKI B	79602	PIERCE Y S	17384
PETTERSSON I	92681	PFANNUCHEN S	3325	PHILLIPS M S	82001	PIATKOWSKI B	79602	PIERCE Y S	33475
PETTERSSON K	45923	PFANNUCHEN S	3325	PHILLIPS M S	85644	PIATKOWSKI B	79602	PIERCE Y S	35526
PETTERSSON Y	55663	PFANNUCHEN S	3325	PHILLIPS M S	39537	PIATKOWSKI B	79602	PIERCE Y S	13435
PETTET A	39536	PFANNUCHEN S	3325	PHILLIPS M S	64263	PIATKOWSKI B	79602	PIERCE Y S	99006
PETTI R	45162	PFANNUCHEN S	3325	PHILLIPS M S	50900	PIATKOWSKI B	79602	PIERCE Y S	39265
PETTIBONE C A	84707	PFANNUCHEN S	3325	PHILLIPS M S	81022	PIATKOWSKI B	79602	PIERCE Y S	41785
PETTIGREW D W	75853	PFANNUCHEN S	3325	PHILLIPS M S	60727	PIATKOWSKI B	79602	PIERCE Y S	6820
PETTIGREW F W	44008	PFANNUCHEN S	3325	PHILLIPS M S	59103	PIATKOWSKI B	79602	PIERCE Y S	22371
PETTINGER L F	23615	PFANNUCHEN S	3325	PHILLIPS M S	27589	PIATKOWSKI B	79602	PIERCE Y S	103605
42783	42783	PFANNUCHEN S	3325	PHILLIPS M S	88288	PIATKOWSKI B	79602	PIERCE Y S	89633
PETTIPAW N J	4277	PFANNUCHEN S	3325	PHILLIPS M S	74978	PIATKOWSKI B	79602	PIERCE Y S	51442
PETTIS A M	98419	PFANNUCHEN S	3325	PHILLIPS M S	87874	PIATKOWSKI B	79602	PIERCE Y S	72091
PETTIT A V	54327	PFANNUCHEN S	3325	PHILLIPS M S	22241	PIATKOWSKI B	79602	PIETKIEWICZ K	71161
PETTIT G D	3869	PFANNUCHEN S	3325	PHILLIPS M S	9699	PIATKOWSKI B	79602	PIETRASHZEWSKI A	26831
PETTIT J H	93473	PFANNUCHEN S	3325	PHILLIPS M S	41538	PIATKOWSKI B	79602	PIETRO M DI	65613
PETTKO E	25083	PFANNUCHEN S	3325	PHILLIPS M S	42225	PIATKOWSKI B	79602	PIETRO-TONELLI P	83183
PETTUS D M	35072	PFANNUCHEN S	3325	PHILLIPS M S	76924	PIATKOWSKI B	79602	PIETRO-TONELLI P	83183
PETTY B K	63430	PFANNUCHEN S	3325	PHILLIPS M S	29019	PIATKOWSKI B	79602	PIETRON J	38142
PETTY B K	73106	PFANNUCHEN S	3325	PHILLIPS M S	51571	PIATKOWSKI B	79602	PIETRONIOWA J	38882
PETTY J G	83523	PFANNUCHEN S	3325	PHILLIPS M S	89034	PIATKOWSKI B	79602	PIETRZYKOWSKI S	74720
PETTY J W	69655	PFANNUCHEN S	3325	PHILLIPS M S	70764	PIATKOWSKI B	79602	PIETRZYKOWSKI T	16419
PETTY M F	43829	PFANNUCHEN S	3325	PHILLIPS M S	72140	PIATKOWSKI B	79602	PIETSCH L	79349
PETUKHOVA E	81674	PFANNUCHEN S	3325	PHILLIPS M S	109221	PIATKOWSKI B	79602	PIETSCH M	3297
PETUKHOVSKII A A	92028	PFANNUCHEN S	3325	PHILLIPS M S	29949	PIATKOWSKI B	79602	PIETSCH R	89035
PETUNIN F A	14049	PFANNUCHEN S	3325	PHILLIPS M S	70765	PIATKOWSKI B	79602	PIETTE R	96379
94185	94297	PFANNUCHEN S	3325	PHILLIPS M S	38756	PIATKOWSKI B	79602	PIETTRE A	108456
PETURSON B	69890	PFANNUCHEN S	3325	PHILLIPS M S	59413	PIATKOWSKI B	79602	PIETZ D E	22242
PETURSSON H	46402	PFANNUCHEN S	3325	PHILLIPS M S	74415	PIATKOWSKI B	79602	PIEVAROLI A	22243
PETZALL E B	45332	PFANNUCHEN S	3325	PHILLIPS M S	16894	PIATKOWSKI B	79602	PIEVE YA V	20457
65420	108867	PFANNUCHEN S	3325	PHILLIPS M S	25095	PIATKOWSKI B	79602	PIFER E C	60468
PETZER C F	47347	PFANNUCHEN S	3325	PHILLIPS M S	46752	PIATKOWSKI B	79602	PIGA F	35506
PETZOLD H	31514	PFANNUCHEN S	3325	PHILLIPS M S	3979	PIATKOWSKI B	79602	PIGATTI A	23093
PETZSCH H	88002	PFANNUCHEN S	3325	PHILLIPS M S	31684	PIATKOWSKI B	79602	PIGATTI P	23231
PEUKER H	15884	PFANNUCHEN S	3325	PHILLIPS M S	41848	PIATKOWSKI B	79602	PIGATTI P	23231
34642	54914	PFANNUCHEN S	3325	PHILLIPS M S	92524	PIATKOWSKI B	79602	PIGATTI W J	13692
85645	85646	PFANNUCHEN S	3325	PHILLIPS M S	82508	PIATKOWSKI B	79602	PIGATTI W J	13692
PEUS F	84229	PFANNUCHEN S	3325	PHILLIPS M S	43933	PIATKOWSKI B	79602	PIGATTI W J	13692
PEVENAGE G	43978	PFANNUCHEN S	3325	PHILLIPS M S	39538	PIATKOWSKI B	79602	PIGATTI W J	13692
PEVETZ W	79391	PFANNUCHEN S	3325	PHILLIPS M S	57197	PIATKOWSKI B	79602	PIGATTI W J	13692
PEVIRNI F	59528	PFANNUCHEN S	3325	PHILLIPS M S	59973	PIATKOWSKI B	79602	PIGATTI W J	13692
PEVZNER M L	78615	PFANNUCHEN S	3325	PHILLIPS M S	52428	PIATKOWSKI B	79602	PIGATTI W J	13692
PEVZNER V I	67393	PFANNUCHEN S	3325	PHILLIPS M S	103302	PIATKOWSKI B	79602	PIGATTI W J	13692
PEW J C	21718	PFANNUCHEN S	3325	PHILLIPS M S	83800	PIATKOWSKI B	79602	PIGATTI W J	13692
PEYER B	109095	PFANNUCHEN S	3325	PHILLIPS M S	69306	PIATKOWSKI B	79602	PIGATTI W J	13692
PEYER E	1805	PFANNUCHEN S	3325	PHILLIPS M S	44560	PIATKOWSKI B	79602	PIGATTI W J	13692
17413	19898	PFANNUCHEN S	3325	PHILLIPS M S	33114	PIATKOWSKI B	79602	PIGATTI W J	13692
37311	44570	PFANNUCHEN S	3325	PHILLIPS M S	81214	PIATKOWSKI B	79602	PIGATTI W J	13692
49124	50437	PFANNUCHEN S	3325	PHILLIPS M S	7788	PIATKOWSKI B	79602	PIGATTI W J	13692
59646	64413	PFANNUCHEN S	3325	PHILLIPS M S	16914	PIATKOWSKI B	79602	PIGATTI W J	13692
88003	88004	PFANNUCHEN S	3325	PHILLIPS M S	46403	PIATKOWSKI B	79602	PIGATTI W J	13692
PEYER K	70244	PFANNUCHEN S	3325	PHILLIPS M S	101889	PIATKOWSKI B	79602	PIGATTI W J	13692
PEYNADO A	17946	PFANNUCHEN S	3325	PHILLIPS M S	36891	PIATKOWSKI B	79602	PIGATTI W J	13692
6305	6305	PFANNUCHEN S	3325	PHILLIPS M S	88360	PIATKOWSKI B	79602	PIGATTI W J	13692
68994	74634	PFANNUCHEN S	3325	PHILLIPS M S	94207	PIATKOWSKI B	79602	PIGATTI W J	13692
74636	85148	PFANNUCHEN S	3325	PHILLIPS M S	32681	PIATKOWSKI B	79602	PIGATTI W J	13692
PEYRET H	97564	PFANNUCHEN S	3325	PHILLIPS M S	73663	PIATKOWSKI B	79602	PIGATTI W J	13692
PEYRIERE J	59835	PFANNUCHEN S	3325	PHILLIPS M S	22116	PIATKOWSKI B	79602	PIGATTI W J	13692
PEYRON C	22868	PFANNUCHEN S	3325	PHILLIPS M S	80637	PIATKOWSKI B	79602	PIGATTI W J	13692
PEYRON L	6752	PFANNUCHEN S	3325	PHILLIPS M S	82644	PIATKOWSKI B	79602	PIGATTI W J	13692
36890	36890	PFANNUCHEN S	3325	PHILLIPS M S	73219	PIATKOWSKI B	79602	PIGATTI W J	13692
PEYTON G A	399	PFANNUCHEN S	3325	PHILLIPS M S	102975	PIATKOWSKI B	79602	PIGATTI W J	13692
PEYTON J L	42098	PFANNUCHEN S	3325	PHILLIPS M S	35030	PIATKOWSKI B	79602	PIGATTI W J	13692
45243	45243	PFANNUCHEN S	3325	PHILLIPS M S	84501	PIATKOWSKI B	79602	PIGATTI W J	13692
45244	45244	PFANNUCHEN S	3325	PHILLIPS M S	53806	PIATKOWSKI B	79602	PIGATTI W J	13692
45244	45244	PFANNUCHEN S	3325	PHILLIPS M S	5380				



ITEM	ITEM	ITEM	ITEM	ITEM
PIKL I J 2734 66680	PINI A 31432	PIROTTA A --CONT 102958	PLACENNER J--CONT 25319	PLESHKOV YA F 40266
PIKUL J 40043 50115	PINICHPONGSE S 14471	PIROUZEAU T 31410	85689 87689 98310	PLESKOT G 14977 41992
PIKULINSKI A 97903	36889	PIROVANO A 38334 47452	PLACHY E 8120 67178	43378
PIKUS G P 1141	40881	49125	76634	38111
PILARCZUK A 107607	PINION L C 10630	PIROZYNSKI K A 88550	PLACK P A 93141	PLESSIS J P J DO 31073
PILARO F 6152	PINKAS A 52559	PIRSON A 78701	PLACKETT P 51914	PLESSIS R DU 4701
PILARSKI J 71531	PINKAS L L H 26785	PIRTLE E C 22970 22980	PLACKETT R L 42426	PLESSL E 75953
PILAT A 27449 27465	PINKAS M 7401	PIRVU E 48336 101611	PLAGGE D 25912	PLETSCH D J 94154
47003 57311	PINKER R 23892	PIRVU T 793 1484	PLAHE F 88030	PLETZEN R VAN 63890
PILAT L 94004	PINKERTON A 26988	PIRVU T 793 1484	PLAICO J S 34134	PLEYM A 26984 26985
PILAWA J 23403	27278 68286	PIRVULESCU S 22765	PLAIGNARD J 82396	PLHAK F 997
PILES M 102933	PINKERTON J B 80825	PISA V 43517	PLAISANCE G 80826	PLHON M 61853
PILET C 12687 21902	PINKERTON J W 44950	PISAC A 13384	PLAISTED R L 20171	PLICHTA E 86006
31547 41601 42318	PINKERTON R M 85777	PISANI E 26675 36105	PLAK E 91418	PLIENINGER H 69285
PILET P E 18810 19385	13290 62626 93874	45438 66681 108313	PLANCHER B 89635	79033
28305 28365 58317	PINKIEWICZ H 62626	108314	PLANCK U 16550 66449	PLIETSCH A 86007
68997 79032 89415	PINKUS H 72417	104027 37950	PLANED-DE-BANCHE--RO E 21908	PLIMMER J R 10631
PILGRIM A J 98715	PINNELL E L 19168	47946	PLANEIX P 106029	PLIMMER R H A 46629
PILGRIM H I 104195	PINNEY G 87016	77783	PLANELLES R 54438	PLIMPTON R F 82900
PILGRIM R L C 94942	PINNEY J J 45393 66310	139	PLANES S 295 4860	2901
PILIPENKO F S 20351	PINNEY M E 69891 79611	21980	PLANES-DE-BANCHE--RO E 51573	PLING-CHEN C 90907
PILIPENKO V 92962	PINNEY T S 1142	79702	83344	PLISHKIN A A 33659
PILIPENKO-YURCHAK L D 48150	PINO J A 93067 104388	79749	105213	PLISHKO A I 12471
PILIPETS G V 78699	PINO N 24855 44294	10962	103535	PLSKA V 25706 25707
PILIPPOVA L A 48333	51443 74798 96438	841	PLANGE G 103535	47449
PILITOWSKI J 60778	PINO R 32193	38757	PLANIDA V 43463	PLISKO E A 21698
PILKINGTON W G 34596	PINOCHE L 22244	17392	PLANK J E VAN DER 98484	PLISS D S 10489
96746 107180	PINOCHE-BRavo M 74119	75521	PLANK R 96223	36663
PILL R 47350	PINOTTI F 53968	26516	PLANK R 96223	45518
PILLA A M 97067	PINTA M 25705	30066	PLANT A N 101999	24268
PILLA C 11761	PINTAR G 4733	50092	PLANT J W 34974 44660	47149
PILLAI A 37747	PINTARA H 24204	51862	PLANTEFOL L 36894	101191
PILLAI G B 42408 53944	PINTEA C 70638	9350	67599	17695
83429 46404	PINTEA V 62228	23404	102763	46900
PILLAI K J 91142	72258 72647	94474	13961 73666	46643
PILLAI K M 90320	PINTER GY 95746	63775	PLARRE W 79181	57472
PILLAI M D 94005	PINTHUS M J 68998	40902	27317	76798
PILLAI M K K 11201 11586	69624	59990	12064	82628
PILLAI N G 46404	PINTO A 50901 91595	48731	72364	94549
PILLAI P G 57025	91662	49750	101174	64764
PILLAI R K 83451	PINTO A A DE S 54866	30187	3161	98382
PILLAI S B 16147 75466	PINTO A J D 16275	63087	41301 62816 103304	19387
PILLAI S K 9493	16276	64763	19321	83015
PILLARI S B 26988	PINTO A J D A 7239	56533	77587	104771
PILLAY K P R 6659 65312	PINTO H V 61291	57632	3194	2974
PILLAY P N 27217	PINTO M D DE M F 20352	29627	43221	84924
PILLAY T V R 573	PINTO M F 60048 70214	18402	53448	17359
PILLER R 53861	PINTO M M 54867	30972	84100	94549
PILLETTE M 86310	PINTO P V C 18922	26962	55976	64764
PILLICHODY A 81149	28124	108199	30811	98382
PILLMORE R E 23046	PINTO-ESCOBAR P 98939	17048	63192 104610 104700	19387
55446	PINTO-GANHAO J F 57990	4468	104788	59055
PILLSBURY A F 11731	PINTO-SCOGNAMIGL-IO W 61851	5536	51629	69287
40165 60076	PINZARU D 59228	94470	51265	69287
PILNIK V I 49477 20170	PIOLLAT M T 38021	27590	61485	100673
34632	PION R 6568 58547	3668	51267 61485 69000	13111
PILLOUS Z 17838	74322	26914	44010	92527
PILSHCHIKOVA P V 67646	PIONNAT J C 75452	100631	5802	19552
PILTZ A 16731	PIONTKOVSKAYA S P 83801	42382	5803	38335
PILZ H 56145	PIONTKOVSKII I 87062	82258	5801	59974
PILZ I 96728	PLOT R 78709	85735	105993	78775
PILZ J 13109	PLOTROWSKA M 80053	75205	82509	7496
PILZ K 92223	PLOTROWSKA-HOCHFELD K 97757	46652	40767	20728
PILZ W 12688	PLOTROWSKI F 94658	25229	3395	81150
PIM J 101334	PLOTROWSKI M 72466	32584	34975	104532
PIMENOV M G 47665	PLOTROWSKI M L 98309	25331	74523	59832
79024 98978 99967	PIOVANO G 36738 36893	87688	71326	13845
PIMENOVA M N 69044	PIPANO E 103802	103303	102782	92945
PIMENTA J DA A 59647	PIPER C S 70605	1144	6610	537
PIMENTEL D 5049 5426	PIPER G M 76862	78702	68347	70869
63431 105888	PIPERNEA N 82003 82004	74211	99788	94060
PIMENTEL-ROSA DO A 27075	PIPPES G W 72241	42319	48033	22438
PIMPINI F 29102	PIPPES W O 98775	82773	61609	18457
PIN R 62153	PIPHER W V 104219	18485	53823	27065
PINA-CHAN R 17015	PIPINYS J 47666	70558	106150	1881
PINAR M 28366	PIPKIN S B 43100	70558	56484	54013
PINCHON J 6083	PIPPEN E L 66104	12689	2703	220
PINCHUK A M 102710	PIPPING K 8060	30973	45976	26959
PINCKARD J A 58114	PIQUETT P G 27581	11770	57396	54132
74142	98522	81146	16828	64020
PINCUS G 41978 73492	PIRAGA V 91596	34486	26882	74162
PINDAK F F 41786	PIRAGINO S 25979	40774	26373	13850
PINE L 3666	PIRAINO F 22656 62817	44416	95067	103305
PINE T S 68285 99636	PIRAS N 53862	93194	48123	14928
PINE W H 8044 26832	PIRATZKY W 48334	56314	71110	KAYA V N 39856
35518	PIRCHER J 88004	12690	88240	97592
PINEAU B 32817 32845	PIRCION L J 102338	106228	35716 45819 87039	22111
PINEAU V 91143	PIRES A 94187 105088	47785	108868	86323
PINEDA M 16513	PIRES A M 54528	65737	21352	36895
PINEIRO-PEARSON M 22835	PIRES E G 28248	54957	12518	57633
93873	PIRES F F 28424 69360	43327	52432	50902
PINERUA N L DE 15429	PIRES F M 4715	67598	104195	61041
PINES F 11283	PIRES J M 60469	32588	104554	102084
PINET J M 23762 105850	PIREYRE N 9978 37748	68999	28686	50915
PINEVICH V V 78700	PIRIE A 3612	49987	40044	102587
PING A W 77092	PIRIE D G 6125	97758	25805	53076
PING C L 70150	PIRIE H M 62487 72388	54158	20054	35282
PING C M 106166 106167	PIRILE L 5994	22222	61852	26299
PING L S 11202	PIRILA L 61520	91289	21044	72648
PING S C 99901	PIRINGER W A 181826	88239	69892	89636
PINGEL H 13596 93501	PIRJOL L 89584	76797	62131	82896
106460	PIRNER H 85322	65507	49087	82941
PINHAO R C 5359	PIRO A 92541	104894	13110	102016
23958 95654	PIROCCHI G 15315 16004	78703	58802	81632
PINHEY E C G 14976	PIROGOV P 51434	102015	59229	9351
PINHO D B 46318	PIROGOVA N V 99165	11999	58803	58145
	PIRONE T P 83343 42529	50508	68764 68947 75453	39725
	PIROTTA A 12365 40988	6063	69088	82106
		15975	100204	26891
			78704	45333
				50116
				70766

ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
PODDUBSKII I V 12691	POKORNY J 25706	POLONETSKII S 74060	PONOMAREVA A T 80375	POPESCU D A 9981	
PODGORICHANI V 74035	25779 25941 26048	95834	--CONT	POPESCU E 19902	19903
PODGORNYI P I 19464	26116 26153 45179	POLONETSKII S D 84327	PONOMAREVA R P 68943	POPESCU F 82569	
PODGORNYI V R 93674	55623 59465 71518	POLONIUS V 69289	PONOMAREVA V V 29628	POPESCU G 31227	54899
PODGORSKI I 7789	75652 75699 75700	POLONSKAYA M S 51543	PONS A 77206	88176	61501 61559
28425	75719 75720 75740	61810		89133	1806
PODGORSKI M 21067	POKORNY V 19388 80485	POLOPOLUS L 56868	PONS P 63216	97355	POPESCU K V 59506
PODHORSKY J 77380	POL E W VAN DER 54990	POLOSKINA F M 83345	PONS W A 45153	POPESCU L 42879	
81201	POL G 19104	POLOVNIKOV V 22791	PONSATI H C 41704	POPESCU M 1776	
PODHRADSKY J 10337	POL P H VAN DE 33428	POLOZ D D 94007	PONSEN M B 33482	POPESCU N 1984	
47351 68185 88802	95499	POLOZHENIYA 106623	PONSOT F P 79465	POPESCU O 45832	97038
PODIPENSKII S YA 84503	POLACH J 1030 2686	POLOZHENTSEV P A 71277	PONT W 402 9113	POPESCU P 48885	62015
PODKOWKA W 51444 103130	69001	POLOZHII V N 45595	PONTAILLER S 40045	POPESCU P C 57473	
PODLECH D 36896	POLACZEK J 55476	POLOZNOV N A 81675	PONTE A M DA 2415	POPESCU S 19904	19905
PODLIACHOUK L 52271	POLAK B 26786	POLOZOVA T G 78182	PONTE E DEL 67601	POPESCU T 34263	
PODLUZHSHII T 88709	POLAK F 33578 43707	POLSPOEL A 88861	PONTE J G 25708	POPESCU V 1734	23176
PODOBA E G 82107	64561	POLSTER H 10105	PONTE J J DA 9980	71657 81678	88805
PODUBSKI YA 8861	POLAK J M 108315	POLSTER J 62883	68331 69003	POPESCU ZELETIN I 71112	
PODOLAK J 91208	POLAK L 92528	POLTARAU B V 81254	PONTIN A J 33337	103307	104510
PODOLEANU N 19889	POLAK-KIEK J 87952	POLTAREV E 1527	PONTING J D 85859	POPESCU-GORJ A 43291	
PODOLNII V Z 77225	POLAKOVA M 51915 62345	POLTEV V I 14320	PONTING K G 15856	POPESCU-GORJ S M 61610	
PODOLSKAYA N 10410	POLAKOVA V 78713	POLTORACKA J 78052	96747 107181	POPESCU-ZELETIN I 12001	
PODOLYAN V YA 73664	POLAKOWSKI B 17773	POLTORAK V A 8554	88361	48336	71113
PODOPRIGORA A S 102711	18458 27425 47667	POLUBESOVA E I 78708	PONTIS H G 107911	POPGEORGIEV G 100393	
PODOPRIGORA V S 90706	POLANSKI A 61395	POLULYAKH P A 14050	PONTIS R E 99684	POPHAM E J 14759	43380
PODOSKI E 39397	POLANSKY M M 34019	83266	PONTYEN V 21522 51074		105392
PODRAZKY V 34953 75454	POLANSKY S 72482	POLUNIN N 40372 106276	PONZINI I J 4095	POPHAM R D 49478	
PODSHIVALOV N A 13011	POLASEK M 54868	POLUPANOV F 24143	PONZONI R 64765	POPHAM W L 63432	
PODSHIVALOV V S 106376	POLASKI C 20055	33816	POOGELMAN S 13545	POPICI M 72928	
PODUSOWSKA I 71630	POLASKI M 20055	POLUPARNEV YU I 106277	POOKCHAROEN B 79466	POPIEL Z 74976	
PODZOROV N V 102712	POLATNICK J 92029	POLY J 103424 103425	POOL A A 16138 65721	POPIELARSKI T 85537	
POEDINOK N T 97457	POLCIK B 94006 94321	103482	66008	POPIELARZ K 62338	
POEGGEL W 16562	105273	POLYAK M G 89222	54589	POPII V B 63160	
POEHLMAN J M 24142	POLCIN J 91764	POLYAKOV A A 31064	7355	POPIVANOV I 59446	
POEL P W VAN DER 26244	POLDIN L 99775	31065 81828 87908	53077	POPIVODA K 46078	
45311	POLDMAA P 26963 27212	POLYAKOV A F 30300	47668	POPKHRISTOV A 32546	
POEL-VAN-DER P W 86441	88800	50386	26787	93073 93329	
POELMA H R 24154 43651	POLEMAN T T 86886	POLYAKOV A N 102544	4216	POPKOVA K 77785	
43774 73970	POLESELLO A 45115	POLYAKOV D K 94188	104243	POPLAUKHIN S 51916	
POELMA T A 3669	POLESKO YU A 101985	POLYAKOV I M 401	31012	POPLAUKHIN S G 55497	
POELT J 47004 99106	POLETTIS G 2317	POLYAKOV I YA 37101	17825	POPLAWSKI S 18821	
POENARU I 1801 19889	POLETSKII V A 94007	37122 77589 77590	6824	POPLAWSKI Z 50119	
19900 75602	POLETTINI C A 80122 89637	POLYAKOV P P 57492	26787	POPOFF A 35172	
POENARUS I 1813	POLEZHAEV I A 10490	POLYAKOVA V F 92530	38337	POPON 37123	
POEPINGHAUSEN K 82942	POLGAR S 67265 70606	POLYAKOVA A I 102545	58574 58804	POPOV A 5825 24953	
J VON	78706	POLYAKOVA N I 28521	43379	50120 55664 79403	93326
POERINK H J 74036	POLGE C 72964	POLYAKOVA O A 81829	24118	POPOV A A 27437 101752	
POERSCH W 43934	POLGE H 30118 50675	POLYAKOVA T F 9495	82721	102588	
POGACAS GY 1464	91776	POLYAKOVA L A 69002	86518	POPOV A T 42200	
POGAN E 9494	POLI A 16732	POLYARUSH L O 19774	42490	POPOV A V 8949	
POGELER F 76635	POLIG G 73127	POLYCARPOU A 102410	28522	POPOV B A 58805	
POGGENKLAS J J 15791	POLICICCHIO L 30812	POLYMACOS N G 107251	62457	POPOV E 90288	
POGGI G 66682	91875	POMA G 38525	63986	POPOV F 59496	
POGONKINA N I 26114	70419	POMARNACKI L 40554	574	POPOV G A 5587	
POGONYAIO M G 32509	81704	POMAZKOV YU I 18197	55538	POPOV I 40046 81940	
POGORELOV A 32510	POLIKARPOV B V 81704	88882		POPOV I A 37124	
POGORELOV A D 33626	POLIKARPOV F YA 69758	POMERANZ Y 54231 107495 107739		POPOV I F 84316	
POGORELOV N S 1517	POLIKOFF H 96520	POMEROY B S 22635		POPOV I S 41541 71653	
POGOSSIAN S A 39018	POLIN D 4094 31972	22657 41973 93328		103131 107100 109119	
POGOSYAN S A 19901	POLIN V 86740	POMEROY C R 11723		POPOV K 89905 102095	
POH E J 101231	POLINIERE J P 38336	POMEROY E 45945		POPOV L A 17477	
POHJA M S 91678	POLIPLOIDII U 9514	POMEROY K B 50480		POPOV L P 104511	
POHJAKALLIO O 77588	POLISHCHUK S D 92529	50630		POPOV L V 11942	
88708	POLISHCHUK V K 1518	POMEROY L K 71049		POPOV M D 89639 89640	
POHJAKAS K 50317 102909	POLITTI I 85323	POMEROY R W 25866		POPOV M G 88362	
POHJANHEIMO O 48732	POLITIEK R D 3761	POMETOV P 96079		POPOV M N 100200	
POHJOLAINEN E 41024	6391 41458 92225	POMINI G 62013 64616		POPOV N 45596 66518	
POHL C 25991	92226 92260 92401	POMINI L 11151 55996		108197	
POHL P 59090	POLITOVA I D 69348	POMINSKI J 35196		POPOV N A 70994	
POHL R 41479 72660	POLITYNSKA E 19197	POMMEROL F J DE 20729		POPOV N G 35342	
POHL R W 99968 101561	POLLIVKA J B 4880	POMMIER-MIARD J 34703		POPOV NV 60471	
101562	42616	POMPON L 7665		POPOV O I 4576	
POHLE E M 34597 34598	POLJAK-BARISIC N 55536	PONCE I 100179		POPOV P 38338 38759	
107185	POLJAKOFF-MAYBER A 18910	PONCELET J 50943		38760 38761 55338	
POHLE W D 16322 26115	POLK D B 38849	PONCET A 61325 81321		POPOV P A 57437	
45178	POLK R B 40393	PONCET J 27010 66972		POPOV P V 13739	
POHLE W E 55684	POLK W 108033	PONCHET J 47352		POPOV S 69759 69766	
POHLEN I J 2286 103649	POLL E 31408 31470	PONCINI S 10584		69762	
POHLENZ J 52637	32006 32547 62882	POND A W 17550		POPOV T 31973 32511	
POHLMANN H 53967 54036	63160 103627	POND D D 23092 32784		55338 56209 93335	
POHLMANN R 64991	POLLACH W 71875	POND F W 101563		104416	
POHM M 68466 77025	POLLACK M 43967	82931		POPOV T A 28125	
POHORELY M 50674	POLLANSCHUTZ J 2748	93795		POPOV V 24094 32785	
POHURILLE M 56726	POLLARD A 71111	PONDEL W P 13776		62597	
POHUSKA I 27211 37312	POLLARD C J 101185	PONDER H 49586 80054		POPOV V I 401 45180	
60740 88803 94327	POLLARD C J 69288	PONDER H 84885 106631		POPOV V V 61160	
POHOSKA-JANISZEWSKA I 73220 99460	POLLARD F W 98840	PONEV M 31906 104413		POPOV YU 84343	
1753	POLLARD J K 48335	104414		POPOV YU A 102546	
POIDEVIN J Y 61666	48629	PONGRACZ K 15215 95790		POPOVA D 48337 69956	
POILLION W A 29875	POLLARD K E 65508	106256		79703 91144 100184	
POILLON M 67647 77062	85778	PONGRATZ L 33276		POPOVA E A 38205 68187	
POINAR G O 53280 83184	POLLARD M 92963	PONIKIEWSKA T 31208		POPOVA E H 27474	
POINTING P J 64220	POLLARD W 4230	PONIKIEWSKI A 60560		POPOVA I 94475	
POIRIER D 107099	POLLE A L 91549	PONNAIYA B W X 9607		POPOVA I A 48379 48604	
POIRIER R 87490	POLLECK J 27099	10358 18760		POPOVA I M 70316 102017	
POISSON C 100883	POLLER R C 83508	PONOMARCHUK V I 105665		POPOVA O F 48069 48379	
POISSON H 46566	POLLER S 12447	PONOMARENKO A K 79405		POPOVA R 82003 82004	
POISSON J 55281	POLLHAMER E 18196	PONOMARENKO F M 4576		POPOVA T E 37313	
POISSON R 33275	28520	4577		POPOVA T I 63299	
POISSON R A 23763	POLLHAMER S 38758	PONOMARENKO I 76300		POPOVA V 42617 94329	
84047	59231	PONOMARENKO N 22043		POPOVA V A 2257	
POITEVIN J 66760 76322	POLLISCO F S 30139	46753		POPOVA YU 81939	
POITEVINT A L 53906	81444	PONOMAREV A P 89638		POPOVAT A 60240	
POITOU N 38532	92227	PONOMAREV E 80390		POPOVIC B 60994 102589	
POJNAR E 37470	97112	PONOMAREV S 32195		POPOVIC I 5922	
POKATILOVA R A 28519	POLLOCK D C 70638	PONOMAREV V A 75457		POPOVIC V 60995	
POKHRIYAL S C 68642	POLLOCK F E 36106	PONOMAREV V V 16137		POPOVIC Z 80391 102018	
POKK E 13328	36107	75455		POPOVIC-SABO M 30975	
POKORNA V 1376 19103	POLLOCK J R A 6307	50621		POPOVICH P D 91354	
25706 39800 71518	POLLOCK M C 54299	PONOMAREVA A A 11567		POPOVICH P R 9408	
POKORNY F A 47589	8269				



POPOVICI A		ITEM	10385	PORTIG J	83253	83254	POTKE E	--CONT	69965	POWELL A M	37750	57634	PRAKASH I		ITEM	47153
POPOVICI B	22113	63105	PORTIGLIOTTI L		82488		POTLOG A S		84548	POWELL D	233	44491	PRAKASH J		ITEM	75124
POPOVICI G		42201	PORTMANN A	5050	13421		POTLAICHUK V I		88758	77569	77591	77853	PRAKASH L	1341	10191	
		62346			44295		POTNIS S P		78711			77862	PRAKASH R		3494	
POPOVICI F		35073	PORTMANN L		34387		POTOCNEK M	4535	104810	POWELL D A		39603	PRAKASH S		18625	
POPOVICI I		11656	PORTNOV S M		101813		POTOCNJAK R J		72590	POWELL D L		65313	PRAKASH U		8611	
POPOVICI M	10558	51232	PORTOLANI M		22215		POTONIE R	57474	77207	POWELL D P		49649	PRAKH S K		26300	
		51267	PORTOLANO N		32193		POTORAC E		72547	POWELL F B		26562	PRAKHOV R	13112	82260	
POPOVICI V	62377	104417	PORUMBOIU C		2925		POTSCHKE H	15216	15217	POWELL G	44673	107266			82778	
POPOVICI V V		97677	PORUTSKI G V		89641				33765	POWELL G R	44577	54135	PRALORAN J		103834	
POPOVNINA N I		83340	PORYADKOVA N A		9863				48475	POWELL H L		40956	PRALORAN J C		58807	
POPOVSKAYA G I		1145			69004		POTSELUEVA V G		46645	POWELL H R		101192			99229	
		58198	PORZIG E		103583		POTT E		25457	POWELL H S	3531	31885	PRAMANIK L M		5468	
POPOW W		49362	PORZSOLT L		25503		POTTI H		52442			41975		83346	83347	
POPOWA N P		93282	PORZUCZEK M		35932		POTTER B J		4655	POWELL H T	8813	8814	PRAMATARSKA P		92555	
POPOWICZ R		87019		75999	79334		POTTER C H	8950	10822	POWELL J A	5537	33429	PRAMER D	48082	57736	
POPP E		32665	POS J		15277			20057	20058	84101	95500	95501	PRAMPOLINI O		54180	
POPP H	75531	75605	POSADA E		76901			26833	28997	POWELL J C		107788	PRANDOL O	65890	86141	
		75606	POSCHENRIEDER H		29529			79612	101336	POWELL J D	1567	3425	PRANDOTA W		97133	
POPP N		50121	POSER P		92663		POTTER G		102019	POWELL J H		89907	PRANGE G F		66939	
POPP R A		81830	POSGAY E	13851	20900				65935	POWELL J V	15976	34673	PRANJIC A		12327	
POPP R H		66897			91290				75653			35400	PRASAD A	18957	19106	
POPPE H H	3040	3331	POSKIN D S		20295		POTTER H S		30345	POWELL K S		27308	PRASAD A		19106	
	3672	17439	POSKROBKO W		21450		POTTER J	12383	91721	POWELL M C		36664		42033	58808	
POPPE M		34926		71463	81364		POTTER J A		6754	POWELL N T	10229	10230		58809	58810	
POPPE S	3396	52198	POSKUTA J		78710		POTTER J C	4318	13633	POWELL R		2631	PRASAD A R		99699	
POPPEL E	54794	61486	POSLAVSKII YU M		13951				13634	POWELL R A		62064	PRASAD A R		23254	
		61493	POSNETTE A F		18402		POTTER J E		4984	POWELL R D		4747	PRASAD B N	179	12240	
POPPENS B	49746	80055		27333	37471	78827	POTTER J L		52743	POWELL T		48338		30738	51358	
POPPENSIEK G C		21903		77890	77921	77922	POTTER J M S		38980	POWELL T R W		39447	PRASAD C		56916	
		103308		77923	77924	77925			49126			39539	PRASAD C R		11591	
POPPING F		7666			83452		POTTER J R		75123	POWELL W M	27375	47589	PRASAD D A		104611	
POPPLETON R		62648	POSO S		50672		POTTER J S		11762		68332	88938	PRASAD H	31849	72649	
POPULER-DEHOY M		27592	POSOXHOV P P		27438		POTTER K		72844	POWELL W R		46757	PRASAD J N		92209	
POPUISHOI I S		59448	POSPELOV S M		84175		POTTER L		26882	POWELSON R L		68183	PRASAD L B M		41661	
PORA E	104199	39902	POSPILOVA D		69801		POTTER L D		47671	POWER J F		69006	PRASAD L K		19544	
PORATH A		83744	POSPISIL J	3872	64120		POTTER L M	4056	22560	POWER J H	41660	72365	PRASAD M K D		58811	
PORATH E		24371			71278				52327			82355	PRASAD R	20732	38340	
PORCARO P J		23520	POSPISIL S		22114		POTTER R H		92918	POWER R J B		64037	PRASAD R		19107	
PORCELLATI G		96858	POSPISILOVA J		1398		POTTER W R		62527	POWER S W		100145	PRASAD R		41661	
PORCII G DI		79182			75220		POTTHOFF H		108459	POWERS E D		61522	PRASAD S K	500	514	
PORCU S	102041	55539	POSSART W		108200		POTTHOFF R F		1520	POWERS H E C		55914		515	14138	23729
PORE J		72772	POSSELT J	51627	54869		POTTLE M S		107145	POWERS H R	9115	68057			23932	37528
POREBSKA W		42099			85623		POTTS D F		106920	POWERS J J	6147	6862	PRASAD S N		95068	
POREMSKY J		102458	POSSINGHAM J V		27477		POTTS F		70488	25369	55740	96857	PRASAD S S	27213	68542	
PORIENUS P		47670	POST B P VAN DER		28484		POTTS H C		50071	POWERS K G		42032	PRASAD T	21774	71629	
PORFIREV V S		6303	POST B W	1146	79935		POTTS J M	11862	50431	POWERS L	842	27751	PRASADA R	10386	47280	
PORKKA E		27547	POST C J VAN DER		40268		POTTS L A		26677		37846	89440	PRASADA R	47353	47368	47970
PORMALE A		10613	POST D		75561		POTTS S F		11091	POWERS M J	6820	6851	PRASANNAKUMARI T		19108	
PORPACZY A		104428	POST D F		91003		POTTS T J		16323	POWERS P O		55761				
PORRAZZI L C	85027	97166	POST D M		30539		POTTS W T W		73493	POWERS R C		17018	PRASERTPHON S		105530	
PORRETTA A		78709	POST E	1147	18459		POTJE J		6755	POWERS R M		24390			106300	
PORREYE W		57992	POST F J		54530		POU J		45504	POWERS S B		12862	PRASHAR C R K		11763	
PORREYE W J C		6753	POST G	91319	102254		POU J W	66422	108109	POWNING R F		33476			38347	
PORRITT S W		55136	POST G R	73254	94397		POU R L		47151			53497	PRASHAR P		70008	
		9605	POST J H		67015		POUCEL J		67455	POWRIE W D	36373	75785	PRASSE J		3323	
PORSCHE G		90707	POST J J	35962	47150		POUGET R	1399	9982	POY F		86317	PRASSE R		103310	
PORSHNEVA N S		50122	POST N J		57027				69005	POYARKOV K M		84725	PRAT J DE	34264	55498	
PORTALES R S		78969	POST R E		101335				106836	POYARKOVA A I		57492		55560	91878	96380
PORTE A L		72093	POST R P		75334		POUGNEAUD S		3873			57635			98611	
PORTE-FERNANDEZ E		27490	POSTAS S		106243		POUL J		104898	POYNER E	43968	57029	PRAT S	19109	78713	
PORTER A		39266	POSTAVNAYA V I		22024		POULAIN B		86887	POYNER M M		105042	PRATA F DA C		69007	
PORTER A B		69893	POSTELNICU D		91876		POULAIN E		4217	POYNTER D		22439	PRATELLA G		25504	
PORTER A J		103063	POSTHUMUS C J M		8994		POULSEN E		78712	POYNTON R J		71079	PRATELLA G C		25505	
PORTER A W		85621	POSTHUMUS G		25027		POULSEN J F		67620	POZ Z		106321			25506	
PORTER B R		106461		85403	106919		POULSEN N P		98551	POZNYAKOV L K		21361	PRATELLI G	53968	64632	
PORTER C		31972	POSTIGLIONE A		102215		POULSEN S C		109133	POZNYAKOV V		45597	PRATER T E	45035	56485	
PORTER C C	4094	26818	POSTIGLIONE L		59371		POULSEN W G		51309	POZNYAKOVA A I		57169	PRATHER E E		109031	
PORTER C L		26881			69577				5313	POZNYAKOVA V A		38495	PRATI G		61564	
PORTER C R	54529	67670	POSTLETHWAIT S N		47786		POULSON D F		64036	POZNYAKOVA Z V		17481	PRATO A D		31260	
PORTER C W	64804	62257	POSTMA C	16641	16829				28126	POZHAR Z A		37314	PRATO J D	10491	19571	
PORTER D A		103833	POSTMA G		106453		POULTNEY R G		48883	POZHARSKII L		87840			79220	
PORTER D B		41805	POSTNER M	63716	83565		POULTON B R		51794	POZHARSKII V		43604	PRATOLONGO U		15370	
PORTER D D		71552			105393				82031	POZIN M E		102340	PRATORIUS G	20733	24332	
PORTER F C		22465	POSTNIKOV A		70603		POULTON C E		9330	POZNANSKA W		83108			75570	
PORTER G	72513	72544	POSTNIKOV A V		11582				39572	POZNANSKI S		54674	PRATSIDIS D		107684	
		82520		20731	50123	70607	POUND G S	9114	9165	POZNANSKI W		32475	PRATT A D	22115	41500	
PORTER H C		49005	POSTNIKOV N M		74064			9215	18345		63307	83108		51917	72094	
PORTER H G	85622	100879	POSTOLEA G		57028		POUND J	12241	58029	POZNOKHIRIN F		53683	PRATT C	27593	37841	
	107182	107183	POSTOLSKI J		35117			21548	21547	POZNYAK A V		79226	PRATT C E		29313	
PORTER J		57250	POSTOLOTOVA E N		29679		POUNDEN W D	51218	71464	POZO E C DEL		23161	PRATT C J		91397	
PORTER J A		30976	POSTRICHEVA O V		63476			3671	4382	POZO IBANEZ M DEL		58806	PRATT D B	7038	8419	
PORTER J E		33217	POSTUMA H		95747			51917	63120	POZO R		51131			86010	
PORTER J L		50387	POSTUMA H H		84344		POUNDSTONE B		2667	POZSAR B		91145	PRATT D E	6147	44611	
PORTER J W	1295	6736			109159			6569	6570	POZSAR B I	10115	11260			96814	
PORTER K B	1519	19553	POSTWEILER J		55356			60783	60784		11284	38339	PRATT D J	48884	79335	
		59160	POSTWEILER J E		55238		POUPRY R		46196			48605	PRATT E R		40613	
PORTER K D	76386	76387	POSTWEILER R A		86937		POURBEIK H		30251	POZZI L		72419	PRATT G B	4005	54232	
PORTER K R	37715	59232	POSUNKO L L		42202		POURCHARESSE P		83453	POZZO E D		91877	PRATT G L		103102	
	68501	105804	POSVAI L		71654		POURNAKI R		94046	PRAAG M VAN		463915	PRATT H D		94190	
PORTER L A		70151	POTACZEK H		80392		POURTALLIER J		83669	PRABHAKAR M M		46320	PRATT H K	38238	38242	
PORTER L K	18858	20758	POTAECHEV E V		78933			86069	97023	PRABHAKARAN R J V		44280		44606	44764	58739
	79951	80056	POTAPOV A A		94189		POUSSEL H		78192	PRABUH A S		47353	PRATT J N		32792	
PORTER M		863														

	ITEM		ITEM		ITEM		ITEM		ITEM		
PAZAK M	72131	PREUSSER R	41098	PRIMO E	58720	65545	PRODAN M	40517	71114		
PREARO R	64992	PREVE A	21735	PRIMO E	65615	65677	PROEBSTING E L	1152	PROUDFOOT F G	82694	
PREAUDAT R	46901	PREVETT P F	4891	PRIMO YUFERA E	75336		1765	2117	38344	PROUT C	50542
PREAUX G	65739		63680	PRIMO-YUFERA E	6858		69706	89647	PROUTY R M	22925	
PREBBLE M L	13983	PREVO A A	82692	7040	65545	75212	PROESELER G	73222	PROUZA B	26835	56381
PREBLUDA H J	43969	PREVOST A M	8612			75213			PROVASOLI L	78533	
	84832		36894			40050	PROFFIT M	67657		89648	
PRECHT H	23764	PREVOSTI A	43101	PRIMOST E	19171	80393	PROFFITT W H	20549	PROVERA V E	46405	
PRECSENYI I	37595	PREVOSTO M	71338	68931	78716	89645	PROFFIT E	77592	PROVOST A	13252	13723
PRECUPETU-ZAMFIR-ESCU A	43222	PREVOT A	55665	PRINCE A B	70831	70831	PROFIC I H	34791	21844	22364	31411
43223		PREVOT P	40049	79376	PRINCE H C	98032	PROGENT M A	107228	41663	41698	66282
PRECZNER G	29104	PREVOT R	57985	71549	PRINCE J M	21549	PROGER K	57258	82261	91953	103225
PRED A H	90989	PREY R L DU	30161	84199	PRINCIS K	84199	PROHASZKA F	48340			103632
PRED E L	39857	PREY V	7468	7497	PRINDLE D	7041	8477	50124	PROVOST M W	95148	
PRED ECU G	10648	66232	86482	97465	PRINE G M	1150	101015	45598	PROVVIDENTI R	90538	
PRED ECU S	93957	PRIAD CENCU A	58322	92030	PRINE J R	92030	PROHASZKA L	62884		100027	
PREDKO I H	29775	PRIAD CENCU A A	38343	68994	PRING G H	57475	PROISER E	69291	PROZOROV S S	105395	
PRED OIU A	63035	PRIALGAUSKAITE L	48588	73128	PRINGLE A V	54845	PROKAZIN E P	102715	PROZOROV V A	64346	
PRED OIU I	103307	PRI B OTH W	4428	36499	PRINGLE G E	74824	PROKESOVA N	73128	PROZOROVSKII N A	57281	
PREDTECHENSKII I	68090	PRICA D	1727	97167	PRINGLE J	26883	PROKHANOV YA I	36499	PROZOROVSKII V	97167	
		PRICE A	5588	16361	PRINGLE J S	26884	PROKHORCHIK R A	9913	PRUDENT	57128	
PREDTECHENSKII V	75818	PRICE C A	100674	14391	PRINGLE J W S	53078	48262	48263	PRUDENT I	16361	
K		PRICE D	19110	64111	14403	53078	PROKHORENKO P N	103448	PRUESS K P	43292	
PREECE I A	7039	PRICE D A	85624	68202	PRINGLE R B	9486	PROKHOROV M I	8951	PRUETT E W	30318	
PREECE T F	37751	PRICE E D	1884	99486		20574	PROKHOROV V M	2170	PRUETT M E	29318	
		PRICE E L	79413	17861	PRINGLE W	17861	PROKHOROV V P	74152	PRUGAR J	25709	107512
PREEL J	72260	PRICE E R	3818	57477	PRINGSHEIM E G	57477	PROKHOROVA Z A	90293	PRUGNAUD L	66521	
PREEST D S	12117	PRICE F C	4213	97520		105851	PROKHOROVICH L E	6052	PRUNESCU C	42935	
PREGERMAIN	101051	PRICE F E	35519	25115	PRINGUET A	25115	PROKOFEV A A	38346	PRUNESCU K	42945	
PREGOWSKI W	31409	PRICE J D	34490	5923	PRINS G	5923	PROKOFEV M A	105312	PRUNET P	103315	
PREHN J	4578	PRICE J M	12970	42395	PRINS W	42395	PROKOFEV M I	4468	PRUS T	14557	
PREHODA J	44202	PRICE J R	19389	73097	PRINSEN L	73097	PROKOFEV S D	108201	PRUS-CHACINSKI T	70767	
54439	74639	PRICE L	78212	43102	PRINTY G E	42394	PROKOFEV I V	94559			
PREIBISCH J	63007	PRICE M	44369	57478	PRINTZ P	57478	PROKOFEVA M T	13546	PRUSAS E	93331	
PREIKSCHAT H	11899	PRICE M A	14461	62885	PRINTZ-ERDTMAN G	62885	31974	82645	PRUSIEWICZ WITASZ- EK U	32153	
PREINNINGER M	5695	PRICE M P	11900	10298	PRINZ I	41582	PROKOFEVA Z D	9446	PRUSINKEVICH Z	11400	
PREISIG A	24780	PRICE N O	19111	85405	PRINZ J	85405	PROKOFIEVA M	62885	PRUSINKIEWICZ Z	49817	
PREISS K	95502	PRICE R C	84732	31493	PRINZ W	3250	PROKOP J	52744	49875	60215	
PREISSER C	4278	PRICE R D	14979	9984	PRIODE B M	9984	PROKOPENKO A I	105853	PRUSKI W	4001	22397
PREJUR L	28999	33235	47560	99461	PRIOLE J	99461	PROKOPENKO P M	102832	57279	77029	
PRELAT C E	11286	95656	95656	12120	PRIOR G D	9116	PROKOPENKO S F	83340	PRUSS O G	63263	
PRELIPCEANU G	31669	PRICE R E	46321	12119	PRIOR K W	12119	PROKOPEV M N	106376	PRUSSO D C	2193	
PRELL H	17355	PRICE R K	48770	1151	PRIOR P V	1151	PROKOPY R J	30404	PRUTER A	48734	
		PRICE R M	18242	73722	PRIOR R N B	73722	PROKS J	42595	PRUTESCU E	79706	90554
PRELLER J H	72789	PRICE R W	73080	15126	PRIORELLI G	15126	PROKUPEK K	46609		91291	
PREMDAS F H	4661	PRICE S	47787	50903	PRIORELLI G	50903	PROKUPEK K	103312	PRUTHI J S	10026	16050
PREMJU M H H	16324	PRICE W C	58101	31410	PRIOUZEAU M	31410	PROLL E	77926	44612	44783	55200
PREMYATI	104701	PRICE W F	102341	41837	PRIOUZEAU M	41837	PROMERSBERGER W J	42326	89696	106826	106844
PRENCHER KH	104788	PRICE W J	55576	64650	PRISHCHEP L G	64650	PRONI G	74024			
PRENDEGAST A G	57995	PRICE W T	72548	64690	PRISHCHEP A G	64690	PRONIN A A	82728	PRUTSKOVA M G	100843	
PRENDIVILLE M	89644	PRICE W V	107006	102017	PRISTAVKO V P	102017	PRONIN A F	108125	PRUVIS E R	48666	
PRENTICE N	97005	PRICHARD M M L	52421	73221	PRISTAVKO V P	73221	11588	53615	PRYADKO E I	61854	
PRENTICE R M	105394	PRICHARD R W	104678	37359	PRISTOU R	37359	70609	78717	62347		
PRENTL L	15206	PRICKETT C O	26031	47788	PRISZTER SZ	47788	PROFINA N D	47736	PRYANISHNIKOV D N	46610	
PREOBRAZHENSII A	24699	PRICKETT P S	86011	90553	PRISZTER SZ	90553	PROODUCU N	20103	78718		
96315		PRIDHAM A M S	18043	68543	PRITCHARD A J	68543	PROOST M DE	107353	PRYANISHNIKOVA Z	67711	
PREOBRAZHENSII A	102714	29159	29314	79336		79336	PROPP M V	67924	D		
V		29316	29316	103686	PRITCHARD D	103686	PRORESHNAYA T L	63492	PRYAZHNIKOV A N	9117	
PRES J	3486	4101		75123	PRITCHARD D L	75123	PROSCH C	13399	PRYCE J N	21675	71543
51795	62132	62752		31181	PRITCHARD G I	31181	PROSCH M	87063	PRYDE E H	45181	
63200	82108			32216	82867	100394	PROSENZ K	100220	PRYNN B	62555	
PRESCOTT B	34393	PRIDHAM J B	1301	18627	PRITCHARD H N	18627	PROSHCHELYKIN A M	2416	PRYNN R B	92032	
PRESCOTT D M	22596	48603	69290	68544	PRITCHARD H W	68544	PROSHCHKINA	57698	PRYOR C C	66038	86311
		PRIDHAM T J	62580	40341	PRITCHARD H W	40341	PROSHCHKINA-LAVREN- KO A I	27523	PRYOR L D	57636	91525
PRESCOTT J H D	22918	PRIEBE H	67344	34030	PRITCHARD I	34030	LAVERENKO A I		102716	103064	
PRESCOTT L M	59288	PRIEFER H G	53891	46452	36319	46452	PROSHCHKINA-LAVREN- KO A I	41055	PRYOR M R	29319	90709
PRESLEY J T	78414	PRIEHAUSSER G	40723	58441	PRITCHARD R H	58441	PROSINSKI S	41056	PRYOR R J	108592	
PRESNYAKOVA G A	30022	64584	69428	3251	PRITCHARD W R	3251	41056	41141	PRYOR W J	4580	62348
PRESOLY E	38264	69428		92031	71787	71788	PROSKOWETZ F	55916	62349		
PRESS C	8121	90057		103311	PRITCHETT W L	103311	PROSKOWETZ F	55916	PRYTHERCH E I	70009	
PRESS R E	91734	21305		61087		61087	PROSKURA I P	55943	PRZYBYLSKA J	28368	
PRESSEY R	13113	71786		14321	PRITSCH G	14321	PROSKURYAKOV N I	19634	PRZELECKA A	106032	
PRESSWOOD W G	104212	72420		87937	PRITSCHAN E	87937		7042	PRZESTALSKI S	51575	
PRESTAGE J J	14978	85028		87937	PRITSCHAN E	87937		69292	PRZYBYLAK A	41055	
PRESTEMON D R	12250	95341		13722	PRITSCHAU E	13722	PROSPERI C	74641		41056	
PRESTON A F	93502	61319		103364	PRITULIN P I	103364	PROSSER J	56487	PRZYBYLO K	72911	
PRESTON A P	79487	53613		107046	PRITYKO V	107046	PROST E	41355	PRZYBYLSKI M	43741	
PRESTON D B	104795	12119		75673	PRIVETT O S	75673	3252	55447	PRZYBYLSKI T	23329	
PRESTON H J	67254	9983		85264		85264	55447	65839			
	87587	9983		60472	PRIYMAK A K	60472	PROSTAK N N	28820	70084	83454	95503
PRESTON J	24490	105044		88275	PRIZICKY G K	88275	PROSTAKISHIN G P	54531		105045	105046
24701	24702	38740		8177	PROBASCIO K N	8177	PROSTAKOV P E	90821	PRZYCHODZEN J	27060	
PRESTON K S	4512	38741	38742	96835	PROBERT D	96835	PROSTERMAN A M	87142	PRZYJALOWSKI Z	3975	
32512	83051	38910	38911	47789	PROBERT D	47789	PROSTYAKOV A P	103313	13547	30943	72533
PRESTON L E	34148	39385	96144	89646	PROBINE M C	89646	PROTA R	94398			104206
PRESTON R D	18615	28523		96439	PROBINSKI E	96439	95342	105666	PRZYLUSKA-GEDYMIN K	90236	
38345	99971	48733		106972	PROBOSCKAI E	106972	37125	99462	PSCHORN-WALCHER H	33430	
		93580		108963	PROBST A	108963	99637	106031	95234	95504	
PRESTON R J	60869	43171		106972	PROBST A H	106972	PROTACIO D B	68288	PSHEBELSKYI V V	29776	
PRESTON R L	31120	27214		57573		57573	PROTASENIA T P	103835	PSHENICHNYI P D	57257	
	72793	37891		80394	PROCHAZKA B	80394	PROTASOV A	102823		86104	
PRESTON S B	61565	97993		57751	PROCHAZKA Z	57751	PROTASOV P V	80394	PTITSYN S D	9985	
PRESTON T R	3487	101124		43637	41662	63308	PROTASOV V	87083			
3507	12911	73162		4579	PROCHAZKOVA J	4579	PROTER J W G	108963	PU C L	105667	
22129	31494	19070		66520		66520	PROTIN M R	44571	PUBOLS B H	6907	34843
92344	103540	108920		31932		31932	PROTIN R	44225	107229	107230	107380
PRESTON W H	1149	54887		52253		52253	PROTIIVA J	74486			63261
	10162	843		71469		71469	PROTO D	96859	PUCA-CIUDIN M	93652	
PRETE L	34340	40476		80855	PROCHOWNIK S	80855	PROTO M	75178			
PRETER C DE	10963	136		49028	PROCKO P	49028	22729	22730	PUCCI E	100338	
	78714	27439		75456	PROCKTER N J	75456	30813	52349	PUCCINI G	89649	
PRETL J	66519	74640		63146	PROCOPIO M	63146	61667	93553	PUCCINI V	31595	32278
PRETORIUS A	28127	98560		39801	PROCOS J	39801	PROTOPOPOV V V	71347	PUCHLY S	66835	
PRETT K	25230	37315		22428	PROCTER M H	22428	PROTOPOVA V V	77264	PUCKETT D	34956	
PRETTENHOFFER I	84419	96788		22431	PROCTOR D L	22431	PROTSENKO A I	5191	PUCKETT H B	43424	
PRETZMANN G	14051	56068		28834	PROCTOR J H	28834		5192	53680	64398	84281
33062	52807	13090		10964	PROCTOR J M	10964	PROTSENKO A K	50345	PUDELIS H	22903	
PREUSCHEN G	53653	6452		39526		39526	PROTSENKO N M	72345	PUDELKIEWICZ C	4096	
	56210	54675		26946	PROCTOR J R	26946	PROTSKO R F	69008	7377	57101	76856
PREUSCHEN R	15260										





ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
RADCHUK B V 4583	RAEHSE H 7895	16832	RAICU E 62133	RAKHMAMOV A 108539	RAMASUBRAHMANYAM 59290
RADCLIFFE J E 69579	RAENGO O 66684		RAICU P 37753	RAKHMAMOV A M 52608	K V 102342
RADDA A 33062 100992	RAESE J T 9988	80032		RAKHMAMOV A R 29870	RAMASUBRAMONY P R 29388
	RAESIDE J D	8069	RAID L 11592	RAKHMAMOV R R 58510	RAMASWAMI S 35984
RADDI P 19115	RAESIDE J I 83057	46021	RAIDNA U 61487	RAKHMATDZHANOV U 70509	RAMASWAMY D 35107
RADE J 46754 98777		4585	RAIKHELSON M 35098	RAKHMETOVA G O 58323	RAMASWAMY K R 18760
RADEBAUGH C S 3352	RAETHER W 20174	83058	RAIKO P N 30409	RAKHNO P KH 101820	RAMASWAMY S 6212
RADECKA E 23933	RAEUER A 9289	61676	RAIKOV N 101744	RAKHTSEENKO I N 89656	RAMAZEDER K 65314
RADEKE R E 2287	RAEVHAUG S 39268	39268	RAIKOVA B E 67559	RAKHTEENKA I N 38350	RAMATI Y 46406
RADELEFF R D 4749	RAFAILA C 18199	18200	RAIKOVA I A 58818	RAKILNIKOV 88008	RAMAUT J L 19394
6427 14081 23127		18201	RAIMO H F 41897	RAKITIN A A 84115	RAMAVAMA K 75725
23158 23178 63165	RAFAILE K 18017	18017	41899 41900 41901	RAKITIN A YU 70152	RAMAZANOV A R 40270
105147 107650	RAFALSKI J 81365	81365	41935 41949 41950	RAKITNIKOV A N 8465	RAMAZANOV D 80396
RADEMA L 6469 24954	RAFELD F J 84513	87106	42034 42034 42034	16833 88008	RAMAZANOV KH D 11017
	RAFF M S EL 24926	24926	72691 82695	RAKNE E 40957	RAMBAUD P 98249
RADEMACHER 85690	RAFFAUF R F 58983	58983	23642 104790	RAKO A 3762	RAMBELLI A 18255
RADEMACHER B 39540	RAFFEL S 27365	27365	6039 42700		20492 20493
39541 59976 100396	RAFI M 20379	20379	50320 50481	RAKOCZY L 58820	RAMBIDI M I 3168
	RAFIE H 57031	57031	60847 76035	RAKODI A 91060	RAMBIER A 83185
RADEMACHER R 31414 72263	RAFIKOVA G A 47934	47934		RAKOTOMANANA G 70068	RAMBUSCH H 3059
	RAFIQ M 97180	97180	RAKOVSKII V E 46755	RAKOVSKII V E 46755	RAMCHANDANI H W 54676
RADEMACHEROVA J 31414 72263	RAFTEDY G 22620	22620	5828	RAKOW A 5828	RAMCHANDER S 44013
	RAFTERY T 10370	10370	RAKSHPAL R 5590	14931	RAMELLI G C 26982
RADENKOVA-KARAIV-ANOVA M 56489	RAFYI A 32279	81832	14932 106099		32575 32576
RADER L 30815	82264 82265	82842	72095 82012	RALEIGH R J 82036	RAMENSKAYA A A 69044
RADER W A 1155	RAGAB M H 25816	25816	82111 82134	82036 82204	RAMESH D 44115
RADERSMA S C 1617 86436	RAGAB M H 27352	65837	101016 61658	RALEIGH S M 79846	RAMESH-DAYAL 8611
	RAGAB M T 51796	51796	61658 55054	RALENOK E E 48791	RAYEY D B 103613
RADEV R 52272 63576	RAGALA R 68246	68246	96790 48073	RALL G 37013	RAYEY T A 37129
RADEV T 48496	RAGAZZINI R 43065	43065	55342 93160	RALL J G 55342	RAMGE J C 103484
RADEVA M 50319	RAGEAU J 74664	74664	107252 82336	RALLO F 93160	RAMIAH K 67591
RADEWALD E 88955	RAGELIS E P 68302	68302		RALLS J W 107252	RAMIG R E 2115
RADEWALD J D 99726	RAGETLI H W J 68303	99667	RALO J A C 9244	RALO J A C 9244	19284
	RAGG J M 68062	68062	28129 47354	RALPH R K 9244	19284
RADFORTH N W 37321 80862	RAGGE D R 5589	23934	100397 48112	RALSKI E 28129	47354
RADHAKRISHNA D 108317	RAGGI F 41625	51875	89886 89888	RALSTON A T 3763	12912
RADHAKRISHNADA C 44012	RAGHAVAN R S 88363	88363	89886 86888	12866 56871	12912
RADHAKRISHNAN A N 1414		88363	16190 107583	RALSTON N P 40393	12912
RADHAKRISHNAN V 69726	RAGHAI R N N 14176	14176	107583 26964	RALSTON R A 40393	61252
RADHAKRISHNAN V N 50303	RAGHUNATH T 8859	8859	26964 10558	51359 20753	20753
RADI A 68993 69010	9119 27215	27216	9122 9290	RAM A 9121	9121
RADI S 109130	RAGHUVANSHI S S 836	836	18628 26844	RAM C S V 9120	9120
RADIN YU 43480		8613	19116 69013	9122 9290	77595
RADIONENKO A YA 69011	RAGHUVIR K G 7313	7313	7562 35563	RAM H Y M 18628	27595
RADIVOJEVIC B 35020	RAGHUVIR N N 53244	53244	7562 35563		68548
	RAGIM-ZADE M S 42826	42826	35563 57737	RAM K V S 97904	20765
RADKE F H 31709	RAGIMOV K S 30016	30016	57737 80074	RAM N 44493	44493
RADKEVIC A I 42619	RAGIMOV M A 29417	29417	27255 42638	RAM V B 44493	44493
RADKOV I 50738	RAGIMOV Z A 94331	94331	42638 11287	RAMA RAO M S V 11814	11814
RADKOWSKA T G 69978	RAGLAND J L 48515	48515	107608 77480	RAMACCI M 63414	63414
RADLER F 6309 85736		58631	77480 91692	RAMACHANDRAN C K 100060	100060
RADLER H 15601	RAGLAND T E 38347	38347	91692 78185	100894 105305	100894
RADLEY J A 74350	RAGNARSSON H 30405	30405	78185 70387	RAMACHANDRAN C P 25028	25028
RADLEY M 9826	32911 58181	61089	70387 4775	46484 65176	65176
RADLEY R W 69012	RAGONESE A E 19656	19656	4775 63898	RAMACHANDRAN L K 48606	48606
RADMAN L 77790 99464	RAGOZINA E A 81634	81634	63898 70871	7790 4207	4207
RADMAN L J 68190	RAGOZZINO A 58817	58817	70871 108065	RAMACHANDRAN P 11204	11204
RADNER B S 1401		88806	108065 87813	RAMACHANDRAN V S 8862	8862
RADNOCZ F 78722	RAGSDALE A C 62106	62106	87813 108065	35 8862	8862
RADNOTI A 40768	RAGSDALE J M 1546	1546	108065 72264	RAMADAN F M 3253	3253
RADO A 13377	15859 23988	53654	72264 34282	RAMADAN M M 63525	63525
RADOI A 91072	RAGUSH M 26837	26837	34282 41664	RAMADE F 42429	42429
RADOMINSKI W 72490	RAHALKAR G W 14726	14726	41664 103716	64122 53416	53416
RADOMSKA M 50210 72753	RAHE D H 8271	8295	103716 17219	56622 68650	68650
	17196 36287	46351	17219 97258	RAMAGE R T 47899	47899
RADOMSKA M J 4438	76803 108892	108892	97258 5538	RAMAIAH N A 55917	55917
RADOMSKI C 57365	RAHE D W 46420	46420	5538 33432	55918 57032	57032
RADOMSKI J 576 108460	RAHEJA P C 11677	20735	33432 19064	RAMAIA S 57032	57032
RADOMSKI M W 72651	29781 59141	60971	19064 29106	RAMAKRISHNA K 63141	63141
	79168 79644	87605	29106 11593	RAMAKRISHNAN C V 28369	28369
RADOSTITS O M 4584	RAHIM S A 98178	98178	11593 108202	RAMAKRISHNAN K 9096	9096
32513 82263	RAHIMIAN H 79971	79971	108202 73697	RAMAKRISHNAN P S 18463	18463
RADOVAN R A 76179	RAHIMTOOLA H I 56043	56043	73697 60660	RAMAKRISHNAN S 69283	69283
RADOVANOVIC B 56944	RAHMAN A 44799	44799	60660 5418	RAMAKRISHNAN S P 83267	83267
	RAHMAN A N M A 15401	15401	5418 105596	RAMAKRISHNAN T S 27217	27217
RADOVICS P 52274	RAHMAN A R 22894	22894	105596 38762	RAMAKRISHNAN V 75129	75129
RADRIGUEZ Z E 106472	RAHMAN F 20298	20298	38762 69990	RAMAKRISHNAYYA B 107968	107968
RADSPINNER A L 58816	RAHMAN H UR 99919	99919	69990 82141		
RADT C 27544	RAHMAN M 44129	44129	82141 4222	RAMALINGAM A 67754	67754
RADU A 35073	RAHMAN M D M 62351	62351	4222 99675	RAMALINGAM A 97905	97905
RADU M 37893	RAHMAN M H 22497	22497	99675 58634	RAMALINGAM K V 21717	21717
RADU P 61611 104923	RAHMAN M S 56044	56044	58634 89037	103034 32711	32711
	RAHMAN S A 21906	61856	89037 89654	RAMAMURTHI K 73223	73223
RADUGE W 42273	RAHMAN W 1402	1402	89654 50739	38929 42140	42140
RADUL V 56490	RAHMAN Y 99294	99294	50739 38349	RAMAMURTI A 93590	93590
RADULESCU C 18222	RAHN 15698	15698	38349 37894	55007 97249	97249
	RAHN E 74883	74883	37894 58445	84211 59058	59058
RADULESCU E 9118	RAHN E M 29190	29333	58445 89665	RAMAN K 9989	9989
	RAHN K 8637	8637	89665 102024	RAMAN SIR C V 10245	10245
RADULOV L 54279	RAHNEFELD G W 104899	104899	102024 23567	845 846	846
	RAHOWEANU G 66836	66836	23567 79845	68549 40440	40440
RADWAN H 64193	RAHTU H 64617	64617	79845 73535	31210 31210	31210
RADWAN M A 61204	RAI A K 11591	11591	73535 42203	851 71790	71790
RADWAN-DEBSKI R 40269	RAI B K 4650	4650	42203 30739		
RADYUK A F 68547 100180	4809 14115	14188	30739 38111	RAMANANTSOAVINA G 40440	40440
			38111 64993	RAMANE I 31210	31210
RADZEVENCHUK I F 83130	RAI H 78057	78057	64993 59978	RAMANIS Z 851	851
RADZEVICIUS A 29105	RAI J 96449	96449	59978 27319	20742 50092	50092
RADZHABLI S I 9496	RAI J J 17906	17906	27319 87753	68506 68506	68506
RADZIKOWSKA K 73972	RAI J N 37012	37012	87753 104116	35 35	35
RADZIKOWSKI Z 76802	RAI K 43020	43021	104116 12827	37754 62976	62976
RADZIMOVSKII D O 77460	53281 73597	73598	12827 62016	93503 15551	15551
RADZIMOVSKII D O 77460	64073 105047	105047	62016 106920	6251 6251	6251
RADZISZEWSKA-KAZMIERSKA E 99928	RAI L 5195	23162	106920 89655		
	RAI R P 105155	105155	89655 90360	RAMANANTSOAVINA G 40440	40440
RADZISZEWSKA-KAZMIERSKA E 99928	RAI R S 12404	12404	90360 31600	31210 31210	31210
RADZIWINOWICZ J 99686	RAICHEVA L 29571	29571	26118 27433	851 71790	71790
	RAICHINOV A 13894	13894		20742 50092	50092
RAE A C 43935				68506 68506	68506
RAE A L 13655 103483				35 35	35
				37754 62976	62976
RAE H L 55195				93503 15551	15551
RAE I D 61555				6251 6251	6251
RAEBEL P H 46603					
RAEBER J G 66167 101095					
RAEDER C E 108872					



ITEM		ITEM		ITEM		ITEM		ITEM				
AMSTAD P E	25710	RAO A R	17551	67742	RAO R S	--CONT	88262	RASIS M DE	60661	RATHUS E M	13963	46525
RAMUNNI A	60088		78187	99974	RAO R V		96626	RASKATOVA E	5924	RATIU C		76174
	90990	RAO A S	9124	68193	RAO S A R		14140	RASKI D J	37528	RATLIFF F D		104094
RAMUS A		RAO A V		18052	RAO S B R	31976	62864	RASKIN G		RATNAM A		39619
RAMUZ A		RAO B A	7043	16328		62887	93142	RASKIN I I		RATNAM T V		75129
RAYMAR H	81835			26119				RASKIN J		RATNASINGHAM K		101092
RAN F	33817	RAO B C S	44775	85719	RAO S D		107744	RASKIN M M		RATNASWAMY M C		18630
	64562		96819	107759	RAO S D R		75725	RASKOPF B D				38929
RANA H K S		RAO B H K		23214	RAO S D T	7043	7330		65315	RATNER A		31517
RANA N G		RAO B R		33458		16328	26119	RASMUSEN B A		RATNER E I		69015
RANA R S	18724		5469	84102		45098	45175	13853	22892	RATNER L S	81704	18136
RANADEY S N		RAO B S	32787	41877			86314					81837
RANALLI M E				88939	RAO S K	7043	26119	RASMUSSEN A		RATNIKOV A		3431
RANAUD C		RAO B U		4207	RAO S L N		48608			RATRA Y S		71461
RANC R		RAO B V R		19116	RAO S N		58325	RASMUSSEN A B		RATSEJ E		72942
RANCHEV I		RAO B V V		11593		78723	78724			RATTAN R S	36964	46963
RANCOURT M W		RAO C B	9992	41045	RAO S N G		107935	RASMUSSEN A N				99040
RAND A G		RAO C C P		92533	RAO S N R		107513	RASMUSSEN B		RATTER J A		37757
RANDABEL M		RAO C G P		27576	RAO S P		72272	RASMUSSEN C L		RATTI E		35070
RANDALL C B		RAO C H	26765	65741	RAO S R	20736	26107		85014	RATTO L G	60972	70834
	77385	RAO C H S		78724		43167	83802	RASMUSSEN C R				79615
RANDALL C J		RAO C K		9528			105757		39403	RATTSKE U	49820	70405
RANDALL G	29236	RAO C R		109118	RAO S R V		95235		58821	RATTZEN B		100755
RANDALL R		RAO C S P	68550	86314	RAO S S		94740		66941	RATUSHNYI G D		64994
RANDALL R H		RAO C V		61668	RAO S V		17219	RASMUSSEN D		RATZ W		76051
RANDALL S		RAO C V N	81520	85720	RAO T		1669	RASMUSSEN D L		RATZEL K		60996
RANDALL T E		RAO D		26965	RAO T A	137	36897			RAU G J		490
RANDEL P F			67975	67976	RAO T B K		29106	RASMUSSEN E		RAU J		25850
RANDEL S B		RAO D K		68194	RAO T M V		11594			RAU J H	25234	34599
RANDELL R		RAO D M		26127	RAO T N R	24555	65633	RASMUSSEN F		RAUBA J		93876
RANDELL R L		RAO D N K		69898	RAO T P		9993		31323	RAUCH A C	6214	54178
		RAO D R		36	RAO T R	56315	65742		100845	101017	101018	86583
RANDEN A VAN		RAO D S	24868	54549		70871	73159	RASMUSSEN F S		RAUCH R		3874
RANDEN J	87065	RAO D V		20736			108270	RASMUSSEN G K		RAUCH W		4046
RANDERATH K		RAO D V K		80397	RAO T S	9497	26302		57771	RAUCHBACH K		92535
RANDGAARD O		RAO D V N		59234		37756	80397	RASMUSSEN H		RAUDSEPP L	20175	87814
RANDHAWA G S		RAO D V S		78842	RAO T V P	41045	59059			RAUDSEPP V		72754
	9991	RAO G K		34184	RAO U N		60050	RASMUSSEN K		RAUH W	17774	36898
RANDHAWA M S		RAO G N	512	48217	RAO U P		100844	RASMUSSEN M			36899	77210
RANDHAWA N S				50287	RAO V D	9609	27754					98940
	26838	RAO G R	58463	96311			79249	RASMUSSEN D E		RAUHE K		40133
RANDIC M		RAO H A B		11204	RAO V G	8864	8865	RASMUSSEN O L		RAUHUT D		13725
RANDIER J F		RAO H H		79909		8866	9125	RASMUSSEN P		RAUI I		100715
RANDLE S B	30067	RAO H S		55667		26966	99120		99467	RAUKOPF K		67761
		RAO I M	19158	48630			99468	RASMUSSEN P M		RAULIN H	46023	98250
RANDOLPH A				100117	RAO V K R V		35565			RAULIN J		52610
RANDOLPH B	76863	RAO J D		5965	RAO V M	26563	59823	RASMUSSEN R A		RAULSTON G L		3875
	98372	RAO J T	10547	48643	RAO V N M	9672	9673	RASMUSSEN V M		RAULUSZKIEWICZ S	52012	82390
RANDOLPH H E				48983		78587	78819	RASMUSSEN W D			72098	81838
RANDOLPH N M		RAO K A		27753	RAO V P	94768	94945		45424	RAUN E S	42632	52887
	63496	RAO K H		29107		95070	95071	RASMUSSEN D C			9616	106035
RANDOLPH R R		RAO K K	11594	48606	RAO V R	47355	58013		78267	RAUN N S	92282	92283
RANDS D G		RAO K K P	1157	35363			62354	RASMUSSEN J			92364	103603
RANEY F	11766	RAO K R		30700	RAO V S	9498	9498	RASNITSYN A P		RAUNIKAR R		103896
RANEY W A		RAO K R S	55105	55115		68552	94768	RASNITSYN S P				106625
RANFT G		RAO K S	45185	58984	RAO V V R		96958	RASPEVIN V A		RAUNKIAER C		47674
RANG H		RAO K S S	7499	16451	RAO W V B S		9994	RASPOPOV I M		RAUP P M	16963	26682
RANGA-RAO D V		RAO K V N	36	52688		11357	39802				35963	56657
RANGACHARLU V S				63485	RAO Y P		9191	RASSADINA K A				80638
RANGAN T S		RAO L B	20353	68551	RAO Y Y		9992	RASSVETAEVA N I		RAUPACH M	49747	61065
RANGANATHAN B		RAO L N		58324	RAOOT M A		20677	RAST D	38612			101714
RANGANATHAN G		RAO L S P		9993	RAOUF M S		6213	RASTENII		RAUPACH S		27101
RANGANATHAN K		RAO M B		65083	RAPACZ J		13314	RASTETTER V		RAUSCH		87769
RANGANATHAN V		RAO M J B		28526	RAPANELLI E		97250	RASTOGI K		RAUSCH D L		40271
		RAO M K G		68644	RAPAPORT C		90991	RASTOGI M K		RAUSCH F		108964
RANGANNA S		RAO M M		68644	RAPER C A		78188	RASTOGI R C		RAUSCH R L	3233	3876
RANGAPPA K S		RAO M N	17219	25346	RAPER J R	9384	78188	RASTOGI S C		RAUSCH W H		12829
RANGARAJAN A V			25359	25464	RAPER K B		38132			RAUSCHENBACH H		16957
RANGASAMY S R S			27340	66234	RAPHAEL M H		15914	RASTOGI V K		RAUSCHERT S		26885
RANGASWAMI G				76885			25508			RAUSENDORF D		81559
	9190	RAO M R		9609	RAPHAEL T D		49088	RASTORGUEV L I		RAUSER J	23521	64286
	10247			27754			85861	RASULOV F K				84230
	37490			104422	RAPIC S		92035	RASULOV I KH		RAUSER W E		101564
	38611	RAO M S		46199	RAPOPORT E H		42880	RASZEJA W	19395	RAUSZ A		20354
	68191	RAO M S S	65632	58000			95658	RASZEWSKA H		RAUTA C	20620	20629
	69014	RAO M S V		35564	RAPOPORT H	38549	58957	RATAJCZAK K				20738
RANGASWAMY N S		RAO M V	847	9124			100561	RATAJCZAK Z		RAUTAPAA J	64115	64158
RANGASWAMY N V			20353	68551	RAPOPORT I A		33184	RATAJSCZAK M				105306
RANGELOV B		RAO M V N	51674	58052	RAPOPORT L P		63492	RATALICS L	52647	RAUTAVAARA H		76983
RANGASWAMI V		RAO M V R		11198	RAPP E	20906	29866					98506
RANIERE L		RAO N G		38353			106341	RATANANUKHROE R		RAUTAVAARA T		58182
RANIERE L C		RAO N G P		59235	RAPPAPORT I		18338	RATCHFORD C B				69803
		RAO N N		76886			99638			RAUTENBERG	44661	44662
RANJHAN S K		RAO N V M		80340	RAPPAPORT Z		69361	RATCHFORD W P		RAUTENBERG B		96829
		RAO O S	22561	22710	RAPPARINI G		18119				96923	98131
RANKIN A D		RAO P A	20353	68551			23049	RATCLIFF R G		RAUTKIN F		20907
RANKIN B J	41402	RAO P A B		45186	RAPPE G	78725	90176	RATCLIFFE D		RAUTU R		96186
RANKIN F A		RAO P B		78723	RAPSON W H	25185	34552	RATCLIFFE H L		RAUTUORI E		61396
RANKIN H W	40355	RAO P B R		3090	RARAY W S		104543	RATCLIFFE T J		RAUW A G		99639
RANKIN J C		RAO P G	18029	68194			46902		27044	RAUIZ F	10493	33660
RANKIN J F				68953	RARAY J		77031	RATERA E L	20063			101019
RANKIN R C	7539	RAO P H		48217	RASAMEN Y A		30638		39269	RAVA P		28012
RANKIN W B		RAO P J	13972	41665	RASANEN R H		21968	RATERA M E		RAVAGNAN G		54960
RANKINE B C		RAO P L N	17	36	RASBECH N O		21969	RATGAUZ M		RAVAIDLI L	24481	24482
	54441			103838			52128	RATH E			31964	31965
RANKOV D		RAO P N		27644	RASBERRY G L	41714	45422	RATH G C		RAVANAL A M		34266
RANKOV V	29572			99466			82257	RATH N		RAVARUT M		48885
RANNEY C D	28576	RAO P P		4222	RASCH O A		17302	RATHAUZ M		RAVAUD		7953
	74074	RAO P R	225	1331	RASCHKE E		75607	RATHBURN C B				
RANNFELT C A			7245	7246	RASEK M A A		104364		94194	RAVEL G DE	28808	38981
RANSDELL H			8863	25958	RASENACK D		15713			RAVEL-DESCAPON G		1731
RANSOHOFF A			56979	55577	RASENACK O	98529	98552	RATHFOOT H J		DE	1807	59864
RANSOHOFF A L			67976	67977			109073	RATHHORN R A				
RANSOM F			93676	99119	RASENACK O		74525	RATHMANN D M				
RANTA E E				18629	RASHENESCU I		64090	RATHORE A				
RANTANEN M J		RAO P R M		105215	RASHAD Z M		58039	RATHORE A S				
RANTANEN V		RAO P R N	99233	106034	RASHBA E YA		85862	RATHORE V S				
RANTSUS D				30625	RASHCHENKO I N		4223					
RANTZIENT		RAO P S		60401	RASHEED A A		62888	RATHORE Y K				
RANKWELL D S			40959	51329		4509	62888	RATHORE Y S				
RANZANI G			107967	108873	RASHEV KH	32511	93335	RATHSACK K				
RANZE H		RAO P S P		47829	RASI G		31977	RATHSCHLAG H				
RAO A M M				67975	RASIC J		75128					
RAO A N	704	RAO R G	16011	16120	RASINS P		34442					
	19118	RAO R S	56603	57522			81537	RATHSFELD H				
RAO A P												

	ITEM		ITEM		ITEM		ITEM		ITEM
RAVESTIEN W VAN	18982	RAZMAKHIN V E	83981	RECORDATI-COMTE A	76974	REED S W	104157	REHNE H	16602
	58708	RAZMAKHIN V E	94195	Z	88054	REED S C	79616	REHR H	57320
RAVISSE P	27354	RAZORENOVA N A	101633	RECOURT J H	26121	REED W A	30509	REHRL K	43483
RAVISY A	75337	RAZOWSKI J	84176		26122	REED W O	22428		86762
RAWKIN A S	100398		106036	RECTOR C W	59163	REEDER N	43481	REHSCHUH D	21068
RAWONI S	74163	RAZUM J	74383		70512	REEDER S W	49891	REHSE E	39405
RAW A R	19555	RAZUMOVSKII S M	10672	REGULAR P	104912	REEDER M F	34759	REHWINKEL	56316
RAWAL T N	96749	RAZUMOV V I	65617		104914		63676	REHWINKEL E	45710
RAWAT A S	48344		38354	RECZKO E	22440	REEDY M C	4002		108651
	22238	RAZUMOVA L A	89657	REDAELLI G	31388	REEK H	92536	REICH C A	60888
RAWAT M S	67766	RAZUMOV A A	20401		31416	REEKER R	50211	REICH E	52078
RAWAT R S	24857	RAZUMOV V I	89658	REDAELLI G L	31417	REEMPEYER G A	53969		92830
RAWES D A	72859		84044	REDAHAN E	4586		53970	REICH G	65938
RAWES M	19659	RAZYGRAEV YU	43581	REDAI I	87137	REES A H	69177	REICH H	37130
RAWI I EL	55608	RAZYKOV K	11580	REDBIRD H M	87609	REES A L A VAN	32514	88617	88648
RAWI S AL	19396	RAZZAQUE M A	103015	REDD C	72749	REES A R	28131	REICH K	52078
RAWII K A EL	62238	RAZZHIVINA L M	34626	REDDO D	102217	37758	58824		92830
RAWITSCHER-KUNKEL	9464	RE A A DEL	99336	REDDI G H S	80709	60051	100400	REICH R	47356
		RE F	46541	REDDI J V	78726	REES D M	91292	REICHARD E	84886
RAWL E H	39056	RE G	70153	REDDI K K	9245	94196	94208	REICHARD E A	70873
RAWLES M E	42037	REA G	109196		99640		95145	REICHARD T	89659
RAWLINGS J F	46323	REA G B	82268	REDDI D S	105758	REES H	38356	REICHARDT A	38357
RAWLINGS J O	18773	REA G H	76979	REDDING G A	45505	REES H G	31418	REICHARDT A W	87067
RAWLINS S L	2123	REA H E	20297	REDDING L W	51145		104030	REICHARDT F	67255
	100399	REA J C	42157	REDDING R W	62555	REES I	100510		24543
RAWLINS W A	23241	READ B E	26211	REDDY A M	27102	REES L W	50893	REICHART E A	83455
	105212	READ D C	106483	REDDY A M K	4300	REES R G	3935	REICHART G	28133
RAWLS C K	90711	READ D J	57999		4410	REES R J W	72548		94476
RAWLS E L	76036	READ D W L	102098	REDDY A S	22710	REES T A	89803	REICHBUCH L	11480
RAWLS J A	26120	READ E M	12372	REDDY B R	75725	REES W R	89816	REICHEL H	30480
RAWNSLEY J	15553	READ F W	75179	REDDY C	72048	RESE C D	80032	REICHEL K	4587
RAWSON G W	95506	READ H	56872	REDDY D B	27045	RESE E T	38613	83061	104900
RAWSON J E	101565	READ J	48345		62354	41142	59060	REICHEL T H	70678
RAWTHER T S S	37321	READ J L	22751	REDDY D V	16734			REICHENBACH H G	10030
RAY A N	34690	READ M S	8334	REDDY G C G	55650	RESE K H	12042	VON	39745
RAY C B	44494		96224	REDDY G R	38355	RESE M	57827	REICHENBACHER K	13855
RAY D A	28524	READ R A	40664	REDDY G S	9246	RESE R L	8794	REICHENEDER E	85967
	59236	READ R B	54677	REDDY K R C		8793		REICHENHEIM	10548
RAY D E	12798	READ R W	36900	REDDY K S	80709	RESE W D	26920	REICHENHEIM H	16643
			47791	REDDY M N	47411			45599	69639
RAY E E	35082	READ S H	16642	REDDY P S A	39859	REESING E	85863	REICHENSCHERGER A	27515
RAY H D	107185	READ S I	23094	REDDY R R	82511	REEVE F	51		87959
RAY H E	11595	READ T	23458	REDDY S H S	54446	REEVE R	70268	REICHERT H	58254
RAY J O	42974	READ W W C	52467	REDEMANN C T	80059		85831	REICHERT I	37328
RAY J W	73146	READETT R C	77257	REDES W	34889	REEVE R C	79939	REICHERT W	43794
RAY L	106626	REAGAN E P	18018	REDFEARN E R	10187	REEVE R K	65506	REICHEL T J	70
RAY L L	9499	REAGOR J C	104697	REDFEARN P L	88447	REEVE R M	24542	17612	57627
RAY M L	3488	REAL F	1743		88448	REEVE R T	15554	67858	88233
	12913	REAL P	53149	REDFERN C J	45258	REEVENEWSON J A	72439		88235
	62134	REALS H C	107185	REDFERN R E	46275	REEVES B G	25237	REICHARDT H J	67347
	92346	REAM D L	108144		46276	64482		REICHL J	51429
RAY O M	25096	REAM R R	46756	REDFIELD H	33185	REEVES H E	79404	REICHL R E	37743
RAY P M	1158	REAMER R	22603	REDFORD M	1886	REEVES J L	46324	REICHLING L	88431
	26788	REARDON D	31962	REDISKE J H	12052	REEVES R G	47901	REICHMAN G A	69006
RAY V	88647	REASONOVER F	36305	40859	50944	REEVES R M	52989	REICHMANN E	61488
RAYCHAUDHURI	47490		54081	REDIT W H	44751	REEVES W A	6663	REICHMUTH W	105341
RAYCHAUDHURI A	94946	REAVES C W	34474	REDKIN V K	90992	34610	44509	REICHSTEIN K	13856
RAYCHAUDHURI D N	33257	REAVES P D	51090	REDKNAP E F	7554	65267	65302	REICHSTEIN T	69240
RAYCHAUDHURI S P	11842	REAVES P M	41546	REDKO A S	81840		23730		69297
	27334	REAY D	2085	REDLEFSEN H	4513	REFAI A R M EL	105340	REID A	9735
	39859	REAY G A	7563	REDLINGER J R	99234	REFAI F Y	34930	REID A H	1874
RAYFIELD W S	36108	REAY R C	64038	REDMAN D R	32280	REFAI M	103628	REID A S J	11288
RAYMALEY F	24540	REBANDEL Z	27257	REDMAN D E	1729	REFAI A H EL	42532	REID B L	4107
RAYMALEY F A	97907		105307	REDMOND R	80827	REFATTI E	58497	61683	93089
RAYMAN J	59501	REBELEIN H	85151	REDON P	62921	REGAN E L	21144	REID C F	71791
RAYMER W B	37044	REBELLO M J	5085	REDOUTE P J	57471	REGAN J B	28132		104047
RAYMOND A	55433	REBENFELD L	6662	REDSAL T	80828		59918	REID C H	22453
RAYMOND A E	74980	25235	25275	REDSHAW E S	48155	REGAN M M	46024	REID D	91149
RAYMOND B A	62524	REBER E F	62666	REDSTROM R A	24541	REG F DE	44952	REID D A	226
RAYMOND C E	34600	REBER H	47273	REE W O	70837		55343	88546	99077
RAYMOND D	49364	REBER O	24816	REECE A R	84618	REG E N D	79337	REID E H	69547
RAYMOND F H	102407	REBER R J	63115	REECE F N	11092	REG E U Y	24858	REID G W	3441
RAYMOND M	98941	REBISCHUNG J	9995	REECE M W	22353	REG E C VON	48736	REID I B	5770
RAYMOND W D	7316	33725	48888	REECE P C	59529	REGEL C VON	67795	REID I G	76378
	55616		101020	REECE R P	4013		86211	REID J	17910
RAYMOND W F	12492	REBL A	7564		52138	REGENMORTEL M H V	27335	REID J D	85620
	21794		26380	REED A D	45536	VAN	47530	REID J T	3489
	81676	REBOIS R V	496	REED C E	96693	REGENSBURGER G	51421	22099	22117
RAYMOND-HAMET	57637		37500	REED C F	36901	REGGI M DE	15450	22775	42196
	88365	REBOUR H	29784	REED C H	88241	REGIER H A	98457	52460	72788
RAYMONT J E G	78054	32633	48346	36902	77388	REGINATO R J	11188		62017
RAYMUNDO G A	68619	50125	79465		3877		49656	REID L M	36109
RAYMUNDO M E	2124	REBRASSIER R E	8436	REED C M	102343	REGISTER R O	57789	REID M G	56021
RAYNAL A	36739	REBRIKOV F P	15860	REED D G	62627	REGISTER U D	17239	REID M P	109242
RAYNAL J	8737		34573	REED D K	42946	REGLI P	1403	REID N R	3254
RAYNAL M	77387	REBRISTAYA D V	46605	REED E G	25236	REGNER B	75781	REID P E	21646
RAYNAL H	22869		98837	REED E J	9860	REGNOULT M G	103317	REID P H	78439
RAYNAUD A	92964	REBUGIO L L	81538	REED F A	61299	REGO M DEL C	54534	REID P L	4333
RAYNAUD J P	13854	RECALCATI M	7126		61453	REGONDAUD P	23558	22038	52468
	104528	RECALDIN D A C L	1323	REED F C	21917	REGOS J	104911		103134
RAYNAUD P	60477	RECAMIER A	1159	REED F D	16359	REGUEIRO B	6016	REID R S	52411
RAYNAUD R	257	RECAEDDO-RADILLO	44229		56527	REGUEIRO M A	6040	REID T P	4721
RAYNER A C	30816	N P A		REED F I	22250	REHACEK J	42506	REID W H	2951
RAYNER J R	55822	RECASENS J M	75157	REED G	86013		83788	REID W J	52836
RAYNER P C	57825	RECASENS L DE	50126	REED G L	86014	REHACEK Z	8615	73224	73225
RAYNER R W	2853	54444	54445	REED I F	15116	REHBEIN C A	38897	REID W M	57034
RAYNOCH B	46580	RECHAN S P	102547	REED J H	90371		66199		62890
RAYNOG G H	81153	RECHENBERG R	3960	REED J K	32788	REHBEIN E	56046	REID W T	32268
RAYOS J A	32246	RECHINGER K H	26886	REED J L	83307	REHBERG W A	107346	REID W W	1977
RAYSKI C	68193	77273	98918	REED J P	42620	REHKUGLER G E	53283	REIDEL K	5646
RAYUDU G V N	96102	RECHMANN K H	109166		8479	45246	97357	REIDL A K	71745
RAYUNDO S A	56102	RECIO E	27336	REED L B	67608	REHLING A J	36267	REIERSON R	45050
RAZA S M	7317	RECK J	62559	REED L L	56211	REHM H J	1160	REIF E	72396
RAZAFINDRAZAKA J	64529		96015	REED L M	101755	34185	43936	REIFER I	78925
RAZAK K	61832	RECKENFELDERBAUM-	66685	REED L W	102327		64893		89910
RAZAVI J	67565	ER L		REED M	2171	REHM S	59070	REIFMAN V	15990
RAZBA A G	62886	RECKNAGEL A B	61453	REED M G	46757	REHMAN H	65316	REIG-FELIU A	79708
RAZDAN M N	104422	RECKORD C	39015	REED M J	25877	REHMAN K	27573	85033	85864
	70769	RECONDO E	16140	REED R E	13292	REHMAN Z	107161	REIG-VELIU A	6909
RAZDOLSKII A G	101631		75380		63087	REHMAN J	95579	REIGER W	7213
RAZDORSKAYA L A	96953	RECORD R E	62140	REED R H	6908	REHN J A	94659	REIGNER I C	29322
RAZGA Z	75385	RECORDATI A Z	63777		85810	REHN J A G	94659	49935	49936
RAZIKOV K M	102074	RECORDATI A Z	109158	REED R M	26887	REHN J W H	94049	60305	79972
RAZINSKY E	66838	CONTE	109168						45835



REIJMERINK A	ITEM	58825	REISIGL H --CONT	ITEM	77275	RENNENKAMPFF C V	ITEM	75726	RETSZSCH C E	ITEM	25954	REZENDE M L R	ITEM	41531
80169	80170	REISGLER R C	13116	RENNER E	31188	31212	REUBEN D E	14832	--CONT		41723			
REIKHARDT A N	73599		13117	34305	41547	44286	REUBEN R	32712	33187	REZENDE R T DE	3674			
REILING E	84505	REISMANN H G	106462	RENNER H		75523	REUFFURTH H		46200		72355			
REILLY D	9247	REISNER A H	22739	RENNER M	42797	53080	REUKEMA D		71280	REZENDE-PINTO M C	27599			
REILLY R W	8795	REISNER J H	86866	RENNER R		13456	REUKEMA D L		81203	DE	27600			
REIM E P	85691	REISS A	13118	RENNER F		27570	REUMUTH H	75087	75132	REZEPOV F F	61885			
REIMAN R J	53684	REISS F J	7996	RENNERFELT E		61448	REUSRATH T	75133	75134	REZK E A	63566			
REIMANN B	19121	8001	56492	RENNERFELT J		970	REUSS H	102415	109167	REZNICHENKO A G	78728			
REIMANN D	15207			RENNIE D A	11169	39636	REUSS J O		29515	REZNICHENKO M S	7046			
REIMANN-PHILIPP R	47902	REISS H	20908	48342	48347	90859	REUSS U		22659	REZNICHENKO O G	88056			
REIMBERT A	25711	REISSER H	23894	RENNIE J C		103932	REUSSER F	8123	28134	REZNIK V N	83350			
REIMELT W	55344	27549	27550	RENNIE P J		60997	REUTER F H		74522	REZNIK YU V	101127			
REIMER C A	74143	REISSINGER G	60889	RENNIER R		37778	REUTER G	11421	70232	REZNIKOVICH M	5727			
REIMER D	82945		61162	RENNISON R W		48494		89912	96750	REZVETSOV O A	79874			
REIMER F C	8533	REISSMANN A	43853	RENNIX M T	100357	100403	REUTER H	45087	92036	RHEAUME B	89683			
REIMSCHUSSEL E F	1874	REITEMEIER R F	49697	RENNO L R		67744	REUTER R		98289	RHEE J A VAN	2234			
REIN--SEGURA C	46593	REITEN E P	61337	RENOIR J		75588	REUTER R C		32516	RHEENEN D L VAN	22246			
REINBERGS E	1514	REITER	32848	RENOU Y	35067	86143	REUTER R W	8273	17183	RHEENEN H A VAN	49366			
REINBOLD G W	38773	REITER B	25029	RENOUX G	103839	103840			27258	RHEINHARDT R	98646			
	34344	REITER V	1888	RENS G		86465	REUTHER W	38951	66686	RHEINLANDER W	62136			
REINBOTHE H	10256	REITH J F	6126	RENS J		26683	REUTLINGER S		26840	RHEINWALD H	108740			
REINECKE	59061	REITHEL F J	54120	RENS L A		56518	REUTY V		77014	RHIJN A A T VAN	57037			
REINECKE D L	80829	REITMEIER W	24188	RENSBURG A D VAN		77391	REVELL S H		58326	RHINE S H	109032			
REINECKE J P	71957		43606	RENSING L		83982	REVELLE R	2560	20909	RHOADE R	66755			
REINECKE P	43324	REITSMA A	7950	RENSKI A		98410	REVELLO M A	63579	105218	RHOADE R R	45838	84350		
REINEFEELD E	78189	REITSMA P	3490	RENTERGHM G T		80399	REVENKO I P		4570	RHOADES E D	27400			
	7500	REITZ H J	38999	VAN					4571		89662	101678		
REINEKE L H	7505	REITZ J W	59511	RENTOL J A	10824	69900	REVER B M		28358	RHOADES H E	72124			
REINELT F	81323	REITZ L P	66389	RENTOL J N		10825	REVES H F	12228	16002		82614			
REINER E J	69899		19556			39272	REVAHAUG S		59866	RHOADES H F	78729			
REINER L	27440	REITZ P R	77212	RENTSCHLER H		6310	REVILLA M V		88807	80020	80298	91151		
	7044	REITZEL E	75458	RENTZ D C	16001	74642	REVILLA M V A		88649	RHOADES H L	2629			
REINERS J C	107514	REIXACH VILA P	57782	RENNICK G		33477		88650	88651		47590	99708		
REINERS W	39270	REIZ K G	53063	RENNICK G M		10041	REVIS B		44798	RHOADES J B	46201			
REINERT H	89911	REUCHR O	87068	RENZETTI P		69017	REVUT I B		79973	RHOADES W C	23163			
REINERT J	62556	REUMAN A	57828	REPIN A N		6346	REVZAN M	24879	54562		24709			
REINERT J	1378	REUMAN M	80196	REPINA E	24156	33581	REX E G		77815	RHOADS F M	90828			
REINERT R A	27598	REJSTROM L	5888	REPKA J		1163	REX M A E	13293	13294	RHODE E A	41619	103618		
		REK L		REPKE J		63310			72383		104138	104143		
REINES M	50904	REKA J	97121	REPKNY I		15011	REX-GONZALEZ A		17015	RHODES A	68123			
REINGARD T A	38358	REKACHEK I	71729	REPLOGLE J A		60662	REXONA L		14314	RHODES A D	21379	91526		
REINHALL R	81483	REKHI S S	18870	REPNEVSKII V V		50905	REXOVA L		94560	RHODES A M	27356	49367		
REINHARD E	68866	REKIB A	31979	REPNIKOV N KH		33661	REY L		15474	RHODES D N	7214	86241		
REINHARD H J	95072	REKLEWSKI Z	72908	REPO R		88179	REY-FELIU A		85692		107661			
	95073		72939	REPORTER M C		78727	REYE E J	14035	14640	RHODES F M	44496			
REINHARDT F	15946	REKSHNYA A	72100	REPP W W		58921	REYER L		14662	RHODES G	87492	107658		
	76443	REKUNEN M	100847	REPPERT J N		29835	REYES A C		47059	RHODES M B	4601	30982		
REINHARDT L	27320	REL F E T	66235		48890	79361	REYES B N DE LOS		55296		82957			
	74526	RELLOSA F R	22898	REPPIN K		13857			16834	RHODES M J C	28135			
REINHARDT R	77048	RELWANI L L	20494	REPSTAD K		59865	REYES C		16835	RHODES P L	99235			
87929	88045	29785	39803	REPYAKH I I		80400	REYES C P		48707	RHODES R	44674			
REINHARDT R M	54871	RELWANI S L	54872	REQUENA-OSORIO C		8122	REYES G M		79187	RHODES V J	16211	25893		
	65302	REMACLE J	70389	REKABEK J	48348	69018	REYES H	4757	32713		65848	86672		
REINHART K G	2304	REMANE R	95236	KERAT A	52610	82946	REYES L		47358	RHYERD C L	72102			
	29658	30456	49938	REMAUDIERE G	64163	63205	REYES L DE		358	RHYKERD C L	71611			
	49939	49940	49941	REMAUDIERE G	53079	104158	REYES L G		73226	RIASCOS L C	36110			
	50374	91020	101890	REMAN R E	81677	78962	REYES M R		71162	RIBA E L	32388			
REINHOLD A	54082	REMENTSOVA M M	73160	REMERB M S		30741	REYES P		28691	RIBA J	22927			
REINHOLD F	30335	REMYNYFY L	61042	RESCH H	12250	103065	REYMOND C		82114	RIBADEAU-DUMAS B	54652			
REINHOLD J	43830	REMESLO V N	38763	RESCH K	33209	32209	REYMOND J		30510	RIBAROV B	103841			
	59476	106350	79185	RESCH M S	91777	102890	REYMOND J		20488	RIBAS W C	104424			
REINHOLD L	9813	38148	20364	RESCHENDORF R E	19557		REYNDERS J J		90885	RIBAS-CISTERO J M	34602			
	69016	89438	29630	RESCHENDORF R E	19557		REYNDERS M		71163	RIBAS-MARQUES I	79037			
REINIGER P	39666	REMEZOVA G L	101872	RESHETNIKOV F I	70659	60537	REYNE A	33278	36506	RIBACOURT G	84351			
REINIKAINEN A	84348	REMI K	7116	RESHETNIKOV F I		29867	REYNEKE J	3491	72101	RIBBANDS C R	4823			
	84349	REMINGTON C L	23688	RESHETNIKOVA N V		70610	REYNIERS J A		104220		42621	63580		
REINIKKA M A	57317	REMIZOV V F	12937	RESHETNYAK V Z		13549	REYNOLDS A		55919	RIBE J	65262			
	67610	88010	22135			62891	REYNOLDS C		49241	RIBE O	82779	93677		
REININGHAUS D VON	85538	REMMELG H	27755	RESHETNIKOV F I		40134	REYNOLDS C R		82411	RIBEIRO D DA F	109162			
REININGHAUS M	15792	REMMER H	3878	RESKE G		48422	REYNOLDS C W		20941	RIBEIRO H	105691			
REINISCH F	4514	REMMERT H	33186	RESKO J A		104423	REYNOLDS D A		27289	RIBEIRO J A	6348			
REINKEN G	9997	REMMERT L F	948	RESMERITA I		48885	REYNOLDS D N		99576	13207	74722	76444		
			52713			91150	REYNOLDS E R C		32957	RIBEIRO J DE A	15753			
REINKING R B	105308	REMPEL E	7792	RESMINI P	57638	106898	REYNOLDS F		58730		74695	85482		
REINOSO-CASTRO H	41666	REMPEL J G	5353	RESNICK S		72422	REYNOLDS G W		62598	RIBEIRO J M	61860			
		REMPEL L G	33236	RESNIK M E		89661	46903	77392	26888		63311			
REINSCH H	53863	REMPEL W E	72912	RESPECIO N C		32888	REYNOLDS H		77393	RIBEIRO O	35849	58983		
REINSCH H H	91293	REMUS A	60217	RESPLANDY A		59062	REYNOLDS H G		36137	RIBEREAU-GAYON J	24705			
REINSEL E I	7667	REMY P A	53212	RESSANG A A		31603	20910	21343	2052		74644	74645		
REINSTEIN J	26934	REMY P J	9998	RESSELER H	51577	64894	REYNOLDS H W		48891	RIBEREAU-GAYON P	453			
	82112	75710	89660	RESSL F		33503			91641	48612	74643	96317		
REINSTORF A		67595	45837	REST J VAN	20143	20205	REYNOLDS I M	9291	88940		106846	106847		
		20550	101126	RESTANI R	22354	31587	REYNOLDS J B		82283	RIBEYRON-MONTMAR-	57038			
REINTAM L YU	23893	RENAUD J	50321		31604	52079	REYNOLDS J C		104094	TIN P				
REINTHAL W J	106229	RENAUD R	41667	RESTER D		74134			24069	RIBICOFF A	52744			
REINTHALER F	53652	RENAULT G	22953	RESURRECCION R S		72653	REYNOLDS J E		91397	RIBICOFF A A	73420			
REIS A	42260	RENAULT L	108630	RETA G	31769	93745	REYNOLDS J R		37462	RIBON B	107286			
REIS F M	31081	RENBORG U	56588	RETALI R	13006	51853	REYNOLDS L M		35200	RIBOT J J	4517			
REIS J M DOS	41820	RENDEL J	3397	RETAN A	91319	102254	REYNOLDS M		9879	RIBOTEAU P	47361			
		31122	31419	RETAN A H		73254	REYNOLDS M K		42204	RICADA D	20176			
REIS P J	104612	RENDEL J M	5308	RETEANU D		31470	REYNOLDS M S		9256	RICADA M	39406	108591		
REIS P M P DOS	88483	RENDIG V V	10222	RETEGAN G	57408	85066	REYNOLDS R		87793	RICARD R	6571			
		20065	41125	RETEZCANU M		37753	40052		87793	RICARDEZ C G	60159			
REISAETER O	27024	RENFRO B L	18202	RETHORE J		9500	REYNOLDS R K		26893	RICARDI M	26889	36904		
		25415	97468	RETIFF G P		78436		54724	56566		36903			
REISCH A	56437	RENGERS BARON E	109059	RETIFF J C D		72559	REYNOLDS T		87132	RICAUD C	55825			
REISCH E	53892	VAN W		RETIFF J C		40698	REYNOLDS T M		85947	RICAUD R	18919			
REISCH F	15316	RENJEN A	14761	RETKE J		82646	REYNOLDS W B		91397	RICCA A	63849			
		106474	19466	RETNASABAPATHY A		15911	REYNOLDS T B		4751	RICCA M	31420			
REISCH J	28379	100692	20823	RETSON G C		108949	REYNOSO A		5052	RICCARBONA I	81842			
REISCH K W	1161		99500	RETTENMAIER G W		23802	REYNOSO-CASTRO H		48985	RICCARDO S	20495	27410		
REISEGG F	45836	RENK W	21851	RETTIE D F		17286			51920	RICCELLI M	78190			
REISENAUER A E	20393	RENK W N	57035	RETTIG G		42263	REYNTENS N	4097	22562	RICCER I	36877			
REISENAUER H M	1162													



	ITEM		ITEM		ITEM		ITEM		ITEM
RICCIARDI A I	107755	RICHARDSON D	59063	RICKARD R C--CONT	87167	RIEK H G	60089	RIJSKENS A--CONT	26188
	107756	RICHARDSON D I S	16915	RICKARD W H	9353	RIEK R F	22416		26189
RICE C	29323	RICHARDSON E A	27608		9358	RIEKE P E	69021	RIJVEN A H G C	100436
RICE C E	4589		57359	RICKARD-BELL L	72868	RIEKELS J W	69091	RIKER A J	47724
	42205	RICHARDSON E C	2608	RICKENBACH A	14628	RIEL R R	96096		57829
RICE C G	42280	29992 47961	50366	RICKENBACKER J E	7048	RIEMANN A T	3255	RIKHTER I D	12635
RICE E B	15646	RICHARDSON H D	14526		75463		81843	RIKHTER V A	5310
		RICHARDSON H H	23371	RICKER D	32608	RIEMANN F	46063		25715
RICE E E	55499		23372	RICKER J G	99041	RIEMANN H	43916	RIKLIN O	36461
RICE E F	97469	RICHARDSON H L	11596	RICKER W E	95662			RILEY C	59752
RICE E R	19715		29787	RICKERT E	16079	RIEMANN J G		RILEY C G	81192
RICE G P	26270	RICHARDSON H P	83384	RICKERT E	25713		95122	RILEY C V	49942
RICE G W	17351	RICHARDSON I D	97521	RICKETSON C L	107522	RIEMANN K H	10348	RILEY D L	6086
RICE H M	11174	RICHARDSON J	23259		19755	18762 19467	90060	RILEY H M	26427
RICE J O	15382		83370	RICKETT H W	8738	RIEMANN T	21907	RILEY H P	36905
RICE J T	30689	RICHARDSON J A	69140		27553	RIEMANN U	84353	RILEY J A	38362
RICE K E	97567		100405	RICKETTS G E	72784	RIEMENSCHNEIDER R	16395		59292
RICE M A	39612	RICHARDSON J W	108384		82780			RILEY J W	36099
RICE M R	53856	RICHARDSON K	15861	RICKMAN H	67745	RIEMER D N	29324	RILEY K P	3464
RICE P L	94197		45051	RICKMAN J W	19716	RIEMER F	92539		56873
RICE R	8274	RICHARDSON L	72742	RICKS J E	87234	RIEMSCHNEIDER R	3256	RILEY R	18570
		RICHARDSON L A	65085	RICO BALLESTER M	60478	23095 23492	83186		100075
RICE R C	56716	RICHARDSON L R	28345	RICO M	82542		85625	RILEY R C	32789
RICE R M	20571		34019	RICORDEAU G	6508	RIEMSDIJK J F VAN	87069	RILEY R C	94012
RICE R P	71323	RICHARDSON L T	47360	RICOT J	93591	RIENKS B	24205	RILEY W D	42563
RICE R V	75563		68172	RICOU G	70679	RIEPA P	2053	RILEY W F	51616
RICE R W	22015	RICHARDSON N H	99469	RID H	105760		79711		104132
RICE S L	75461	RICHARDSON P	26685	RID H	2422	RIERA S	3724	RILLING K E	15170
RICE T	7047	RICHARDSON R D	53825		39665	RIES L W	15072		43470
RICE W	21451		5696		49424		35566	RIMAN L	89299
RICE W M	103992	RICHARDSON R L	84352	RIDALA V	53706		64309	RIMANDO L C	5106
RICE W W	71441	46407 60787	40373	RIDALL A B	93336	RIES M D	43382	RIMBU I	70928
RICH A	10171		66237	RIDD M K	107690	RIES S K	9999	RIMESLATTEN H	104065
RICH A D	66044	RICHARDSON R W	67349	RIDDEL W	58829	33730 49449	74096	RIMLER K	13597
RICH A E	27105	RICHARDSON S D	108319	RIDDELL P E	25097	RIESE K	100186	RIMPLER H	79039
	37088	81612 99976	51031	RIDDER G J DE	103847	RIESEN J	58327	RIMSKEII-KORSAKOV	27561
	47521		102388	RIDDER J	72569	RIESS C	86242		
RICH C I	20410	RICHARDSON U F	51578	RIDDER M DE	35915	RIESS H	95890	RINALDI A	36906
		RICHARDSON W A	66105	RIDDER N A DE	98616	RIESS W	55438	RINALDINI V DE	96861
RICH G B	63495	RICHARDSON W D	37497	RIDDLE O	60071	RIESS W	97251	RINALDO M	98088
		RICHARDSON W E	90988	RIDDLE V M	31980	RIESZ C H	75727	RINCKER C M	78398
		RICHARDSON W F	11195	RIDDOCH W J	69296		107758	RINQUESEN A DE	80875
		RICHARDSON W L	749	RIDDOLL S A W	81074	RIET C W J M VAN	13009	RINDGE F H	95507
RICH J S	86425		1586	RIDOLLS A W	50388	DER			95508
RICH L R	20910	RICHART A	82269	RIDE M	58053	RIET G VANT	46408	RINEAR E H	16360
RICH M C	29017	RICHE S	17766	RIDEL E	64365		76806	RINEHART K E	41910
RICH P A	59291	RICHELY P	44057	RIDEL E I	73978	RIETH A	88485	RINEHART R R	23690
RICH R E	54299	RICHMONT A DE	84943	RIDELLA	55734	RIETHORST W	53655		64039
RICH S	47359	RICHENBACKER J E	44014	RIDER G F	51115	RIETVELD W J	60479	RINEHIMER W A	54454
	88652	RICHENS R H	105533	RIDER R	34680	RIETVELD W J	104553	RINEHIMER W A	54454
		RICHER A C	90842	RIDGE M J	44497	RIETVELD W J	104553	RINEHIMER W A	54454
RICH S R	97760	RICHERT D A	4247	RIDGEON R F	4488	RIEU P	406	RINEHIMER W A	54454
RICHARD A	11863	RICHERT K H	38643	RIDGMAN W J	11517	RIEUX N D	55500	RINEHIMER W A	54454
RICHARD A C	77249	RICHERT W	35992		38713	RIEVE D	32517	RINEHIMER W A	54454
RICHARD B	84619	RICHEY D J	104425	RIDGWAY R L	63496	RIEWE M E	82839	RINEHIMER W A	54454
RICHARD F	19002	RICHEY W	92935			RIFAI M A	99122	RINEHIMER W A	54454
RICHARD G	53586	RICHEZ F	69460	RIDGWAY S H	63496	RIFAI M A	99122	RINEHIMER W A	54454
RICHARD H	1131		70498	RIDGWAY S H	63496	RIFAI M A	99122	RINEHIMER W A	54454
	2421	RICHEZ M	58828	RIDLEN S F	35284	RIFAI M A	99122	RINEHIMER W A	54454
RICHARD J	43519	RICHHARIA R H	18177	62892 72682	35284	RIFAI M A	99122	RINEHIMER W A	54454
		18761 20298	28526	RIDLER B	3675	RIFAI M A	99122	RINEHIMER W A	54454
RICHARD J L	103832		38764	RIDLER D	108875	RIFAI M A	99122	RINEHIMER W A	54454
		RICHMOND C A	43246	RIDLEY A O	100746	RIFAI M A	99122	RINEHIMER W A	54454
RICHARD L	70511		64216	RIDLEY J R	82116	RIFAI M A	99122	RINEHIMER W A	54454
RICHARD M L	100404	RICHMOND D H	62356	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS A G	5611	RICHMOND D V	18204	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
	23522	RICHMOND G B	57639	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
	73495	RICHMOND T R	58595	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
		RICHMOND W L	104791	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS A I	87280	RICHOU L	45024	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS A M	23689		27552	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS A W	107491	RICHTER	61164	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS B N	19122	RICHTER A	18340	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
	39804		80830	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS C R	54699	RICHTER C E	82398	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS D B	21550	RICHTER D	90886	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS D E	32303	RICHTER D W	15071	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS F F	92008	RICHTER F	3694	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS G J	19123	RICHTER G	38313	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS G N	55979		86316	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS H R	48743	RICHTER H	705	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS J A	76328		42266	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS K T	83351		57340	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS L A	39664	RICHTER H E	106230	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS L G	91025		28370	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS M	25980		92348	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS M A	72423	RICHTER J	24333	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS N A	81024	43548 45711	35683	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS N R	16995		99641	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
	20577	RICHTER J H	57039	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS O W	14394	RICHTER J J	24433	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
	73665	RICHTER J R	76805	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
	105532		52675	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS P W	58183	RICHTER K	82115	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
			13353	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
		RICHTER L	7793	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
		24040 75462	86015	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS R D	72356		92665	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS R F	90712	RICHTER L D	74548	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS S	61671	RICHTER M	88180	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS S I	76804	RICHTER O	62357	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS S J	1164	RICHTER R	10218	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
	2225	RICHTER S	104426	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
	79974	RICHTER V	88011	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS W E	40342	RICHTER W	51921	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDS W R	23766		92920	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
	64123	92037 92920	93920	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
		96997 104237	104237	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDSON A	4664	RICHTHOFEN W VON	82337	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
	5539		34709	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDSON A D	8461	RICK C M	655	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDSON A H	20911		58446	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDSON A L	88367	RICK J	8435	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDSON B	80552	RICKABY R E	15754	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDSON B A	51141	RICKARD C G	13280	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
	81393		62600	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDSON C	51516	RICKARD H C	2595	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454
RICHARDSON C D	73608	RICKARD R C	56069	RIDLEY W F	37598	RIFAI M A	99122	RINEHIMER W A	54454



RIPLEY T H 12187		ITEM 51004	RIVERA J	--CONT 106661	ROBERT P	--CONT 67614	ROBERTSON B I	ITEM 36589	ROBINSON K L--CONT	ITEM 7794
RIPPERGER H		38625	RIVERA J R 47363	68197	ROBERTI D 32850	42702	ROBERTSON E T	46759	22913 24434	24786
RIPPERT W J		69304	RIVERA M D	86070	ROBERTS A N	1777	ROBERTSON F	45713	41544 41553	72099
RIPPEY J C 19608		70751	RIVERA V	8557	9682 10649	39063	ROBERTSON G	96114	ROBINSON L	54255
42533 52000		100926	RIVERA-ANAYA J D	22249	79489	79577	ROBERTSON G L	61968	ROBINSON L A	101988
RIPPIN P		4400	RIVERA-BRENES L	41669	ROBERTS A W	15717		65816	ROBINSON L K	3678
RIQUE T		45187	RIVERA-CIDRAZ E	51675	ROBERTS A Y	50673	ROBERTSON G W	2107	ROBINSON L W	38615
RIQUELME INDA J		88013	RIVERA-GARCIA O	7668	ROBERTS B J	18205		109234		61179
		88014		42041		10002	ROBERTSON H A	52143	ROBINSON M	104690
RIQUELME-INDA J		46612	RIVERA-GARGIA H J	5699	27442 100407		ROBERTSON I	8347	ROBINSON M E	69903
88012 88013		88014	RIVERA-NUNEZ J	78977	ROBERTS C M	7320	ROBERTSON I J M	40477	ROBINSON P	41336
RIS D R		32281	RIVERA-SANTOS L	107937	ROBERTS C N	31725	ROBERTSON J	7163	68188	74290
RIS J		43776	RIVERO A	13671	ROBERTS C R	27046		93144	ROBINSON P E	47156
RISCHMANN F		62893	RIVERO J M DEL	65619	59867 88653	90361	ROBERTSON J M	11036		10003
RISCO S		94013		78732	ROBERTS C W	4255	75449 81845	89663	ROBINSON P W	53728
RISCO S H 63581		83352	RIVERO-J M DEL	297		42042	ROBERTSON J C	91880	ROBINSON R	6572 70845
RISDALL P C		92525		4860	ROBERTS D	15098 73419		42339	79041	108033
RISER G R		55669	RIVERS E D	20394	92921 104130		63218 63219	108620	ROBINSON R A	4175
RISER W H		3879 51580	RIVETT D E A	79040	ROBERTS D B	28358	ROBERTSON J E	45134	ROBINSON R D	814
		52045 62533	RIVIERE J 28136	70391	ROBERTS D H	62895	ROBERTSON J H	20226	ROBINSON R G	39436
RISHBETH J		407	RIVIERE S 18632	47792	ROBERTS D R	12192	ROBERTSON J M	22251	48738 49369	59868
RISHCHENKO N F		103278	RIVLIN A M	67276	ROBERTS D W A	48602		109244	70154 79763	90218
RISHER C F		97359	RIVNAY E 42881	83353	ROBERTS E	17616 48402	ROBERTSON K E	74277	ROBINSON R H	83880
RISLAKKI V		93337		95509	ROBERTS E A	70612 70655	ROBERTSON L S	70557	ROBINSON R R	929
RISLEY B B		78090	RIVOIRA G 101021	101436	ROBERTS E A	34818	ROBERTSON L	28458	ROBINSON SIR R	100683
RISPOLI E		50740	RIVOIRE J 44779	75338		55193	29697 64430	101733	ROBINSON T S	36907
RISPOLI G 7267		48553	RIVOLIER J 27321	67428	ROBERTS E A H	55447	ROBERTSON M H	86167	48355	108161
		55670		108931		65014	ROBERTSON N F	88182	ROBINSON W B	6746
RISSE L A		34821	RIVOLTA E	11929	ROBERTS E C	1134	ROBERTSON O T	4896	44231	44780
RISSE M		49973	RIVOLTA S	8472	20066 55771	69023	ROBERTSON P S	23191 83300	ROBINSON W H	11936
RISSEEUW M		98944	RIVOSECCHI I	108145	96225 99473	101340	ROBERTSON R	15755	ROBINSON-GORNHAR-	106675
RISSE G 39109		39110	RIVOSECCHI L	23691	ROBERTS E D	83062	ROBERTSON R A	90448	DT L	
		101232		83983	ROBERTS E G	60998	ROBERTSON R L	60816	ROBINSON-JEFFREY	408
RISSE P G		27601	RIXE L C	7896		71281		14132	R C	67978
RIST C E 34021		55342	RIXSON D C	7185	ROBERTS E H	28137	ROBERTSON R N	18019 19689	ROBINSON E D	90674
RISTEA C		85981	RIZAIEV M	103844	28138 48353	48613		6930	ROBINSON G D	1521
RISTIC M 13120		41637	RIZEK R L 7914	45052	ROBERTS E J	52108	ROBERTSON R R	77213		1618
41665 41848		62276		65815	ROBERTS E T	27218	ROBERTSON R W	102459	ROBINSON W H	87837
62358 103842		103843	RIZHAMADZE O K	76877	ROBERTS F	15317 46326		28690	ROBLES L	28691
RISTIC O		29576	RIZK A M	100560	ROBERTS F H S	13121		100408	ROBLES-ESPINOSA J	50220
RISTOW R		84821	RIZVANOV K	70392	ROBERTS F M	57982	ROBERTSON S M	2288	ROBLES-SANCHEZ R	69625
RITCHER P O		14558	RIZZI A D	27125	ROBERTS H	9921	ROBERTSON T G	71792	ROCKOBER W C	39548
		87976 94332	RIZZINI C T	10001	ROBERTS H A	39543		104999		101568
RITCHIE G T		94178		27441		49479	ROBERTSON W K	2172	ROBORGH R H J	70215
RITCHIE A E		103700	RIZZO S L 74166	84354	ROBERTS H J	54132	ROBERTSTAD G W	103702	ROBSON D	103749
RITCHIE E		100682	RIZZOTTO N 20740	56317	ROBERTS H M	60481	ROBES B 31286	51841	ROBSON N	8740
RITCHIE H D		13780	ROA H H	72590	ROBERTS I H	27555	ROBICHEZ L 54875	54876	ROBSON N K B	26892
RITCHIE H R		76182	ROA P R	45107		63498	ROBICHON-SZULMAJ-	79056	ROBSON P	87695
RITCHIE J A		20991	ROACH F A 49114	59649	ROBERTS J B	7321	STER H DE		ROBURN J	4665 63419
RITCHIE J C		46758	ROACH H L 7319	55671		106593		65739		65836
		88181	ROACH R W	32282	ROBERTS J E	4663	ROBIN C			6913
RITCHIE N S		22788	ROACHE L C	94948	42534 63499		85814 107231	15915 65569	ROBY M T	72233
RITCHIE R J		49631	ROADHOUSE F E B	39437	ROBERTS J M D	105129	ROBIN Y 22355	109168	ROBY T O	63500 72233
RITCHIE S I R T		3257	ROADEN D H	74974	ROBERTS K D	69297		31605	103848 105085	88368
RITCHIE W 74165		75728	ROADMAN J D	76001	ROBERTS L J	27322	ROBINET A H	62534	ROBYNS A	88368
RITCHIE W M		31654	ROANE C E	28538	ROBERTS L W	18633	ROBINET M	35119	ROCA A	27339
RITMAN E L		41020	ROARK B	48352		37672	ROBINOV C J	34605	ROCA-RIEROLA J	22479
RITMOSSA F M		105762	ROARK C B	3455	19125	69194	ROBINS J S	2561	ROCA-TORRAS J	22479
RITSCHER W A		38	ROB C M	26820	ROBERTS M F	97088	ROBINS R S	2134	ROCARD F	107287
RITSCHER-BEURLIN G		38	ROB O 42232	104760	ROBERTS M P	33628	ROBINSON H M	67180	ROCASOLANO C	30818
		38	ROBACK S S 95074	95075	ROBERTS N A	33628	ROBINSON A G	67623		97763
RITSLAID V		1165	ROBAK H 21306	40566	ROBERTS N E	6064		5421	ROCCA A M N	76183
RITTENBACH P		13738	99471 99472	99472	ROBERTS N F	6665	ROBINSON A R	95510	ROCCHETTI G	59294
52275 82399		82400	ROBANAL-LUIS M 108871	108871	34603 34604	85626	ROBINSON A V	2562		70613
RITTER 70929		81155	ROBAUX P	42904	ROBERTS N K	8029	ROBINSON B B	87071	ROCCO M DI	4406 22245
RITTER A		1065	ROBB D A	38614	26987 27027	28689	ROBINSON B D	71793	22833 52462	52463
RITTER C M 49090		49127	ROBB J B	8178	35964 56494	65798	ROBINSON B J	11083	62341 63143	63144
59648 68065		68065	ROBB R L	16191	ROBERTS N L	105573	ROBINSON B P	55195	ROCCA G L DA	41543
RITTER E 32362		32394	ROBB S M	465 9205	ROBERTS P	53350		80402	ROCHA A T	49750
RITTER F 26891		39111		27336 99642	ROBERTS P H	71358	ROBINSON C A	7728	ROCHA E SILVA E O	64087
57640 67864		77394	ROBB W	10141 69136	ROBERTS P T	17005	ROBINSON D	86649	ROCHA G G DE LA	79469
77395		98945	ROBB W R	100127		76546	ROBINSON D E	73876	ROCHA G L DA	38850
RITTER H		53546	ROBBELEN G 47903	68645	ROBERTS R	4168 56731	ROBINSON D	18634	41203 41227	41244
RITTER H C 3677		45056	ROBBERTSEN T	6469	ROBERTS R C	7322	ROBINSON D H	66688	41479 41482	41483
61953 44230		64695	24954 96538	96538	101846 101873	4749	ROBINSON D M	73036	41484 41502	41531
RITTER K		86016	ROBBINS D J	17218	14052 14053	17616	ROBINSON D R	69901	41548 42159	42240
RITTER L B		47395	31710 86320	86320	33189 42535	57040	ROBINSON D S	69902	71655	82117
RITTER M 77974		88941	ROBBINS F M	44297	57041 98946	103862	ROBINSON D W	22793	ROCHA I	23936
RITTER P 74973		107047	ROBBINS G S	24706	105130 108876	23096		22918	ROCHA-GARCIA G DE	1756
RITTER R 15533		54121		25716	ROBERTS R J	23096	39545 39546	39547	LA	1757
74352 106575			ROBBINS J D	23109	ROBERTS S	94198	42265 59981	59982	ROCHARDS A G	14933
RITTER-STUDNICKA H		47676	ROBBINS P E	103579	ROBERTS S C	70135	93798 104792	104792	ROCHE	101839
				34556	ROBERTS S J	64366	ROBINSON E	34606	ROCHE A	43003
RITTERW		85289		65318	ROBERTS S C	22250	ROBINSON E L	11022	ROCHE B	29329
RITTER-BUSH P C		78731	ROBBINS P R	26841	31372 72491	103883	39549 49480	49480	ROCHE B F	47677 49476
		94610	33774 43529	66841	ROBERTS S R	12696	ROBINSON F A	23460	ROCHE G W	49370
RITTMANNSPERGER F 103485			ROBBINS P W	66238		52046	ROBINSON F E	83655	ROCHE H	942
RITTMAYER G		19171	ROBBINS R F	66126	ROBERTS W J	71668	1167 2125	2564	ROCHE J	10248 28139
		89645	ROBBINS R G	27440		90828	2565	49642		98035
RITZE W		93746		78055	ROBERTS W K	22664	ROBINSON G A	103847	ROCHE M	83257
RITZHEIMER E		71401	ROBBINS W A	58214	22840 92350	103830	ROBINSON G K	12519	ROCHE P	84119
RITZINGER W		97113	ROBBINS W E	33194		103845	ROBINSON G S	101566	ROCHE W VON LA	45303
RITZMANN F		15073	ROBBINS W J	19124	ROBERTS W M	25030		101567	ROCHECOUSTE E	11094
RIVA A		34077	ROBBLEE A R	62894	ROBERTSHAW D	31421	ROBINSON G W	8739	29330 48356	49481
RIVA M		86317		93046		62359		24859	ROCHEFORT R	56318
RIVAILLON P		61261	ROBE K 6215	96197	ROBERTSON A	4224	ROBINSON H	8796 64040	ROCHER J	97114
RIVALIER E		94947	ROBEN K	64399	30761 83965	83993	88450 99019	44674	ROCHER M	30589
RIVALS P		1166	ROBENIOL M	50156	103486 103846		ROBINSON H F	27757	ROCHMANN R	92831 92852
		10000 39016	ROBENS J F 62661	104291	ROBERTSON A A	21616		47883	ROCHOW W F	23097
RIVAS-GDDAY S		19660	ROBER P	17324	ROBERTSON A B	71561	ROBINSON H L	15077	ROCK J F	98947
RIVAS-MARTINEZ S		19660	ROBERSON R H	4098	ROBERTSON A C	82428	ROBINSON H M	54871	ROCK S P	55672
RIVE M		93566	4099 4100	82604	ROBERTSON A B	56874		76723	ROCKBORN G	3862
RIVENBURGH D V		67350	ROBERSON R L	81996	ROBERTSON A I	92773	ROBINSON I M	26686	ROCKCASTLE V N	88451
		87694	81997 82007	82021	ROBERTSON A O	95805	ROBINSON J	4664	ROCKEFELLER L S	57283
RIVENSON S 21908		41580	ROBERT A 14982	33504	ROBERTSON A B	65023	ROBINSON J A	44314	ROCKEFELLER N A	103321
51581 61864		61865	53587 61489	94949	ROBERTSON B T	13295	ROBINSON J B	20496	ROCKETT C L	94769
		82167	94950 95160	95160	ROBERTSON C E	66885		101823	ROCKEY J W	33944
RIVERA A F		80876	ROBERT C	97252	ROBERTSON D	8813	ROBINSON J B D	48354	ROCKHILL V	108033
RIVERA C T		32790	ROBERT D R	39454	ROBERTSON D R	105049		50212	ROCKLAND L B	6756
RIVERA G		67351	ROBERT J 97761	97762	ROBERTSON D S	78733	ROBINSON J F	75339		6772
RIVERA J 75465		86017	ROBERT M	101822	83354 84398		ROBINSON J K	34369	ROCKWELL G R	34726
			ROBERT P 14505	14559	ROBERTSON D Y M	60935	ROBINSON J L	38718		76807
							ROBINSON K L	4553	ROCKWELL W C	6918



	ITEM		ITEM		ITEM		ITEM		ITEM
ROCKWELL W C--CONT	85009	RODRIGUEZ J	20656	ROGER G	81324	ROHRINGER K	1504	ROLSTON L H--CONT	63582
ROCKWOOD E F	30658	RODRIGUEZ J E	42043	ROGER J C	63501	ROHRINGER R	396	83355	94333
ROD P	37982	RODRIGUEZ J G	53227	ROGER W	52202		47157	ROM P	74646
RODABAUGH D E	93877	RODRIGUEZ L M	22643	ROGERS A J	4750	ROHRLICH M	25721	ROM R C	28869
	104901	RODRIGUEZ M B	47296		94201		67456		65536
RODALE J I	79618		48940	ROGERS A L	187	ROHRS F	64483	ROMACK F E	42321
RODANICHE E DE	23731	RODRIGUEZ M R A	88808		10005	ROHRSETZER S	6295	ROMAGNESI H	8867
	52810	RODRIGUEZ O	90308	ROGERS B J	39552		74620	8868	8869
RODAS F R	4752		101165	ROGERS C E	36091	ROHSE D	44339	ROMAGNOLI A	92541
RODDA G	54299	RODRIGUEZ P J	16454	ROGERS C J	94254	ROHSE E	74802	ROMAGNOLI L	49892
RODDEWIG C M	64805	RODRIGUEZ R F	35440	ROGERS C N	56047	ROHUSCHINSKY R	106962	ROMAGOSA-VILA J A	22563
RODDY W T	7166		103534	ROGERS D J	8650	ROHWEDER D A	59373		82781
25872	25954	RODRIGUEZ V F	31688	ROGERS D P	18075		59374	ROMAINI R J	38366
35017	86181	RODRIGUEZ Z E	60377	ROGERS E	11598	ROHWEDER D	58328	ROMAN E	23692
70253	70698	RODRIGUEZ-ADAME J	45714	ROGERS E A	77619	ROHWER G G	63830	ROMAN H	58448
	79975	55921	108320	ROGERS E B	19661	ROHWER S A	63830	ROMAN I	90989
RODEHORST W	27602	RODRIGUEZ-AGUIRRE	100409	ROGERS E M	36174	ROIG F M	101079	ROMAN J	18385
RODEN	26564	M J			87494	ROIG MIRO	63008		77980
RODENAS FONTCUBE-	65487	RODRIGUEZ-ALCAIDE	76329	ROGERS G	108030	ROIG MIRO J	52328	ROMAN N	8741
RTA D		J J		ROGERS G B	16360		55735	ROMAN R VON	106711
RODENAS-FONTCURB-	65487	RODRIGUEZ-AMIEVA	298	ROGERS G E	6604		96016		106712
ERTA D		P J	47401	6666	25239	ROINE P	104555	ROMAN S	8741
RODENBURG C M	10968	RODRIGUEZ-ARIAS J	25718		104702	46458	55687	ROMAN T	58835
10969	20177	H		ROGERS G N	33969	57094	74445	ROMAN Z	7644
101437	101438	RODRIGUEZ-CIFUEN-	101164	ROGERS H	299		27443	ROMANCHENKO G	45925
	75806	TES E		15977	16003	ROISIN P	466	ROMANELLO G	65510
RODENBURG D G	1978	RODRIGUEZ-DE-LA--	91294		55215	ROISTACHER C N	9204	ROMANELLO O	84620
RODENBURY C M	1978	FUENTE G	91296	ROGERS H H	69559		21420	ROMANENKO K E	4855
RODENHISER H A	25031	RODRIGUEZ-DURANT-	16736	ROGERS H T	103587	ROITTO Y	51183	ROMANENKO V F	53729
58831	67672	EZ L		ROGERS I S	16051	ROIVAINEN S	42733	ROMANENKO V I	82843
RODENHURST E K	59430	RODRIGUEZ-LEON P	24334	ROGERS J A	26123	ROJAHN M B	101837	ROMANENKO V F	90926
RODENSTEINER L J	66886		26687	ROGERS J D	37761	ROJAHN J	31424	ROMANESCU M	61967
RODENWALDT E	36474		97253		47210	ROJAS B A	50128		85327
	67514	RODRIGUEZ-MATIA E	24707	ROGERS K D	4715		55953	ROMANI B	19420
RODER H E	16282	RODRIGUEZ-OLAYA S	106434	ROGERS L F	66424	ROJAS CRUZ L A	66689	ROMANI R J	55195
RODER K H	31422	RODRIGUEZ-RIESTRA	106434	ROGERS M J	49005	ROJAS DAPORTA M	42044	55195	55196
RODER W	38851	L H		ROGERS M N	27829	ROJAS L C	66239	65620	68900
	90177	RODRIGUEZ-ZAPATA	108616		28140	ROJAS M	55922	ROMANIK A V M	38806
RODERICK K	88015			ROGERS M R	25193	ROJAS M D	55008	ROMANIN R	31832
RODERICK W	36908	RODRIGUEZ A	35685	ROGERS N S	26484	ROJAS-CRUZ L A	26124	ROMANIN R	31112
RODERO FRANGANIL-	62709	RODRIGUEZ A E	57914	ROGERS O M	37323	ROJAS-DAPORTA A M	42044	ROMANIKOWA K	92600
LO A		RODRIGUEZ GUEDES	34491	ROGERS P P	108146	ROJAS-DAPORTA M	5691	ROMANKO R R	47531
RODERO-FRANGANIL-	62709	J		ROGERS R H	75550	ROJATTI G	87921	ROMANKOW W	73227
LO A		RODRIGUEZ J G	13975	ROGERS R H	44527	ROJEK S	91240	73229	83356
RODERUCK C	36310	RODSYD M A	94771		76404	ROJO A A	45424	ROMANO A H	19230
RODERUCK C E	8335	RODT P	92802	ROGERS R D	76434	ROJO J P	81600	ROMANO E	70774
RODEWALD G E	56495	RODWELL A W	3258	ROGERS T E	43967	ROJTI M	103354	80641	91152
RODEWALD M	46662	ROE E I	12121		41670	ROKACH A	70773	20912	24169
RODEYNS A	33908		21307	ROGERS T H	92540		77063		91297
RODGER B E	2872	ROE R A	94199	ROGERS T W	103587	ROKICKA T	47313	ROMANO G	76499
RODGERS C	55540	ROE R S	6041	ROGERS W	108742	ROKITA K	74817	ROMANOV A A	20802
RODGERS C L	26791	ROEBERS F	80403	ROGERS W B	57830	ROKITA S	35976	49091	69904
	26821	ROEBUCK D E	31885	ROGERS W H	106020		84887	ROMANOV N V	13859
RODGERS C M	8430	41975	62783	ROGERS W M	7136	ROKITSKII A A	35352	ROMANOVA A T	58280
RODGERS P D	45248	ROED G	44375	ROGERS W P	34436	ROKITSKII P F	36415	ROMANOVA L S	80443
RODGERS T	16452		106884		92922	ROKOSZ J	62710	ROMANOVA Z	25032
	26303	ROED H P	59502	ROGERS W S	38365	ROKUBUICHI T	40958	ROMANOVSKI S	104287
RODHE W	577	ROED L M	40420	79432	79368	81471	81472	ROMANOVSKAYA O	58837
RODI D	78056	ROEDER G	54536	ROGERSON A	16223	ROL R	30140	ROMANOVSKII I D	73524
RODIER J	50323	ROEDER K	53539	ROGERSON J P	42622	ROLA J	49483	ROMANOVSKII V P	102721
RODIGIN A A	102460	ROEDER K D	14403	ROGGER C	42102	ROLA-PLESZCZYNSKI	50007	ROMANOW A	56917
RODIN L E	57524		94660	ROGGOW G	101740	S A		ROMANOWSKI R R	29331
78371	99790	ROEHRICH N	75098	ROGHANI M S	107363	ROLAND G	467		79838
RODIN M	33928	ROEHRICH R	73836	ROGICK F A	6514		37473	ROMANOWSKI W	3398
RODIN M N	75340		84177	ROGINSKII G I	74695	ROLAND G DE L	58093	ROMANY P	87072
RODINA M N	44781	ROEHRKASSE G P	3458	ROGLER G A	64373	ROLANDO-OTRERA W	70874	ROMANYUK N A	83277
RODINA N I	35399		31180	ROGLER J C	28031	ROLDAN A N	70874	ROMASCU E	479
RODINOV A V	90178	ROELOFSEN B	69804	ROGLER J C	93145	ROLDAN-LAFUENTE S	66097	ROMASHEV P I	101824
RODIONOV A P	59594	ROELOFSEN P A	55673	ROGNERUD B	58833	ROLFE E J	74527	ROMASHEVA L F	13552
RODIONOV M A	71359	ROELS M P	87901	ROGNONI G	31123	ROLFE S W H	53150	14054	14055
RODIONOVA G B	47782	ROEMER K	37760		32330		73285	94209	94210
RODIONOVA V M	101631	ROEMER K	37760	ROGODA N	32379	ROLFE W D I	14472	ROMASHEVICH I F	39746
RODKIEWICZ B	100076	38364	44699	ROGOFF W	73666		143120	ROMASHKO YA D	48360
RODMAN I F	62670	ROEMMELE O	61866	ROGOV V A	101022	ROLFES M	36111	ROMASHOV V A	92832
RODMAN L S	18453	ROENNEFAHRT K W	74801	ROGOV P P	71203		36113	ROMBALDI G P	10369
	68367	ROEPER J	15756	ROGOWSKA W	62279	ROLIN R A	26304	10495	19663
RODMAN T C	83984	ROEPKE M H	41671	ROGOZINSKA J H	48359	ROLINSKI Z	32447	ROMBAUTS P	83063
RODNEY E A	102807		62363	ROGOZINKIN V A	38616	ROLKUBUICHI T	40960	ROMBERG B	22850
RODNIKOV N	1979	ROER L	69024	ROGUSKA-WASILEWS-	99709	ROLL-HANSEN F	9126	ROMBERGER J A	68555
RODOLFO E	71794	ROER P	64651	KA L		37325	99474	ROMBOLI B	31425
RODON J	35364	ROERINK J H G	81846	ROGUSKI K	29108	ROLL-HANSEN J	29788		51925
RODON J M	51923	ROESSEL H A	10004	79713	79714		49372	ROMBOUTS J E	83187
RODRIGO D M	15647	ROESSLER H	54617	ROGUSKI W	60090	ROLLA S R	10826	ROMEIKE A	89913
	102026	ROESSING C	10628	ROHAN T A	44232		88370	ROMEIRO R B	22418
RODRIGO J M	10494	ROESSLER E B	25364	ROHDE C R	2423	ROLLAIS L	74528	ROMEO M P	98353
	12520	ROESSLER P	14716	ROHDE G	60812	ROLLAND L	56945	ROMER A R	97568
RODRIGO P A	70614	ROEVER K	13964	ROHDE H	25720	ROLLAND M	66463	ROMER J	92231
	88183	ROEVER-BONNET H	42206	ROHDENDORF B B	42355	ROLLE M	82271	ROMERO C S	47251
RODRIGUE M F	81156	DE		43104	73667	ROLLE W	41668	ROMERO J E	7501
RODRIGUEA-ALCAIDE	31851	ROEWE G J	24477	ROHLY D D	65877	ROLLIN R	14340	ROMERO ORDEIG J F	67352
J J		ROEWER C F	46632	ROHEWAL S S	79000	ROLLIN W L	5926	ROMERO-MARTINEZ J	39861
RODRIGUES A J	42320	ROEZL D	28973	ROHKST P A	106500	ROLLIN L	58000		
RODRIGUES C	52414	ROF CODINA J	36374	ROHLAND H	35732	ROLLIN P	19126	ROMERO-OCHOA M	20299
	82795		52560	ROHLF F J	14663	ROLLIN S F	16394	ROMERO-ORDEIG J F	45456
RODRIGUES C DO N	64996	ROF-CODINA J	32566		84023		107895	ROMEY P J	94561
RODRIGUES C DON	65653	55419	93747	ROHLINGER M J	6542	ROLLINS G H	41497	ROMICK S J	66283
RODRIGUES DE	57525	96383	104761	ROHLOFF D	52525	ROLLINS H A	39057	ROMIG R W	37326
PAIVA J A			109165	ROHLOFF I	37472		44768	ROMIN C	93338
RODRIGUES J	48357	ROFF C	2086	ROHMEDE E	81157		55177	ROMIN J G	96627
	55194	ROFF J W	102899	ROHOVYCH P S	87913	ROLLINS M B	95749	ROMIN A V	13320
RODRIGUES J E DE	88486	ROFFAEL E	71479	ROHR E	96523		2566	ROMINE D S	39832
		ROFFEY J	14934	ROHR K	72084	ROLLINS R C	80639	ROMISONDO P	19907
RODRIGUES N	39916	ROFFLER R	97991	ROHR W	52603		8482	ROMITA P L	60663
RODRIGUES W A	78191		108538	ROHR-FURTER W	36537	ROLLINS R Z	43938	ROMITI R	86018
RODRIGUES-LOPES D	98238	ROGACHEV V I	96100	ROHRBACH K G	37324	ROLLINS S F	45304	ROMMEL C	45526
L		ROGALINSKI K	409	ROHRBASSER E	36507	ROLLINS W C	41460	ROMMEL M	3790
RODRIGUEZ A	105089		51351	ROHRBAUGH L M	48306		71898		104812
RODRIGUEZ A A	58447	ROGASH A P	28590		100181	ROLLINSON D H L	51924	ROMMEL W	3679
RODRIGUEZ C S	27902	ROGASH A R	48792	ROHRER W C	25323		92040		51584
RODRIGUEZ DE	67181	ROGATIS R DE	21909	ROHRE H	51582	ROLLO C A	15294	ROMNEY D H	78735
HERRAN V		ROGEL	98182	92038	92039	ROLLO J	56533	ROMNEY E M	78736
RODRIGUEZ G M	62498	ROGENT I	48358	ROHRER I	67615	ROLOFSON R G	22441	ROMO J	1413
RODRIGUEZ	62629		96904			ROLSTON L H	14218	ROMOLI C M	68247
GONZALEZ M									
RODRIGUEZ H	4786								



ITEM	ITEM	ITEM	ITEM	ITEM
ROMOLOTTI A 22252	ROSEBERG D W 55352	ROSHCHIN V 7899	ROSSI LEMA L 61746	ROTH I ---CONT 68556
ROMPP H 105668 108965	ROSCA D 70541 69581	ROSHCHINENKO V I 14560	ROSSI M 53047	ROTH J A 60482
	ROSCA N 101951	ROSHDI M A 5107 14473	ROSSI R 90998	ROTH J C 67797
ROMS O H 77481	ROSCA O 1982	ROSHO N P 23726	ROSSI S 1983 43778	ROTH J N 47795 100414
ROMSDAL S D 29789	ROSCA V 62361 62896	ROSI M 65511 75954	ROSSI-DORIA M 56048	ROTH L 34643 81477
ROMULO C P 81445	ROSCA R 103850	ROSI M 65511 75954	ROSSI-FANELLI A 66361 108031	
ROMVARY M 32559	ROSCHACH H 10249	ROSI R 86019	ROSSIER L 22253 55674	ROTH L E 103325
RONAI K S 34006 34681	ROSCHEW D J 11205	ROSI R 86019	ROSSIER L 22253 55674	ROTH L F 300 9143
RONCAGLIOLI B 44376	ROSCOE C W 40272	ROSI R 86019	ROSSIGNOL M 63220	ROTH L M 37272
RONCALI G 57367	ROSCOW J M 45156	ROSI R 86019	ROSSINI P 18079 98949	ROTH L M 73877
RONCEDO L R 89441	ROSE A D D 33479	ROSI R 86019	ROSSINI P 18079 98949	ROTH L O 43711
RONCHINE J F M 96791	ROSE A D D 99710	ROSI R 86019	ROSSITER F 12410 12411	ROTH M 83656
RONCHESE F 52812	ROSE A D D 47793	ROSI R 86019	ROSSITER F 12410 12411	ROTH N 37710 55055
RONCHETTI G 49893	ROSE A L 69640 79848	ROSI R 86019	ROSSITER F 12410 12411	
RONCHI V 107585	ROSE B A 81918	ROSI R 86019	ROSSITER F 12410 12411	ROTH P 43224
RONCHI V N 37628 37644	ROSE B B 48572	ROSI R 86019	ROSSITER F 12410 12411	ROTH R 55095
RONDA E 104427	ROSE B B 66330	ROSI R 86019	ROSSITER F 12410 12411	ROTH T F 105804
RONDELET-MINET J 19391	ROSE D 34341 74522	ROSI R 86019	ROSSITER F 12410 12411	ROTH V D 33068
RONDEROS R A 33279	ROSE D H 74803	ROSI R 86019	ROSSITER F 12410 12411	ROTH W B 85981
64068 64074 64075	ROSE D H 109134	ROSI R 86019	ROSSITER F 12410 12411	ROTHACHER J 21362
64076 67617	ROSE D J W 83881 105217	ROSI R 86019	ROSSITER F 12410 12411	ROTHACKER D 20178
RONDEROS-POSSE F 42218	ROSE F A 62018	ROSI R 86019	ROSSITER F 12410 12411	ROTHAMER L 71500
RONDET P 18608	ROSE G 1702	ROSI R 86019	ROSSITER F 12410 12411	ROTHANS L H 68066
RONDOMANSKI W 27219	ROSE G G 109033	ROSI R 86019	ROSSITER F 12410 12411	ROTHBAUM H P 65319
37327 58001 68003	ROSE G J 37132	ROSI R 86019	ROSSITER F 12410 12411	
	ROSE G R F 25128	ROSI R 86019	ROSSITER F 12410 12411	ROTHE E 1405
RONDON Y 99123	ROSE H 88371	ROSI R 86019	ROSSITER F 12410 12411	ROTHE H 89243
RONES G 63375 105154	ROSE J A 73064	ROSI R 86019	ROSSITER F 12410 12411	ROTHE K 4469 32332
RONEUS O 13787 52639	ROSE J E 41671 44015	ROSI R 86019	ROSSITER F 12410 12411	
	62362 62363 103851	ROSI R 86019	ROSSITER F 12410 12411	ROTHE M 44954
RONGINE-DE-FEKETE 28371	ROSE J H 3680 33190	ROSI R 86019	ROSSITER F 12410 12411	ROTHE W 87205
M A 29830	ROSE M E 31944 104703	ROSI R 86019	ROSSITER F 12410 12411	ROTHENBACHER H 3259
RONIS V E 29830	ROSE S A 69915 90455	ROSI R 86019	ROSSITER F 12410 12411	3682 4590 13860
RONNBO C A 61327 61328	ROSE W K 12916	ROSI R 86019	ROSSITER F 12410 12411	31608 63502 93554
RONNEBERGER H 3880	ROSEBERRY J L 98067	ROSI R 86019	ROSSITER F 12410 12411	104131 104132
12697 13892 31606	ROSEDALE D O 29332	ROSI R 86019	ROSSITER F 12410 12411	ROTHENBACHER H J 82272
72425 72492 92740	ROSEFELDT 15793	ROSI R 86019	ROSSITER F 12410 12411	104133
	104031 79537	ROSI R 86019	ROSSITER F 12410 12411	ROTHENBERGER R R 28140
RONNING M 12874 22171	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHENBUHLER W C 42804
62100 82101 92303	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	105424
RONNINGEN K 82873	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	
RONSCH H 89918 100691	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTH A 27793 27929
RONSEN K 70011	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	38626 48576
RONZE J 16737	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHERY F E 6589
ROO R DE 798 848	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	
ROOK J A F 12915 13153	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHFOS B 15555 34267
22039 22103 41693	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	54448
61672 72104 92568	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHGEB R G 100851
	103588 6216	ROSI R 86019	ROSSITER F 12410 12411	ROTHKIRCH G 66691
ROOKLEDGE K A 82715	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHLISBERGER J A 81993
104352 20550	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHMALER W 9426
ROOM I P 62360	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	36727 57321 88228
ROOM T VAN 79188	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHMAN A H 84201
ROONEY I 22442	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHSCHEIN J 105501
ROONEY J R 41850 82460	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHSCHILD 31110
	5626	ROSI R 86019	ROSSITER F 12410 12411	ROTHSCHILD D I DE 39620
ROONWAL M L 14983 95583	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHSCHILD G H L 73770
95660 95661	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHSCHILD M 5542
	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	5627 23896 33505
ROOR J A F 71648	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	73496
ROOS A 72357	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHSCHILD-LORD 31124
ROOS J B 44298 54537	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHSTEIN M 1406
	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHWELL A 78382 78393
ROOS O 101825	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHWELL A B 46459
ROOS S 6252	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHWELL B 78382 78383
ROOSEN P 91693	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHWELL J B 10970
ROSEN-RUNGE E C 101341	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHWELL N V 59795
ROSENS A 54844	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHWELL N V 37763
ROSENSCHON C F 15602	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHWELL N V 44844
ROOSJE G S 9127 49050	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHWELL N V 99026
	77792	ROSI R 86019	ROSSITER F 12410 12411	ROTHWELL N V 91021
ROOSMALEN H VAN 74167	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHWELL N V 101738
ROOST V 69905	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	
ROOSVE H 72913	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHWELL N V 10587
ROOSWINKEL J F M 56104	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHWELL N V 69906
	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHWELL N V 21899
ROOT D E 75037	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHWELL N V 73921
ROOT J 73420	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTHWELL N V 45109
ROOT R A 99288	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	
ROOTS L 80250	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTOV V I 62125
RODY J DE 92401	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROPE C G 23461	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROPER E C 81509	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROPER L 90509	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROPONEN I E 48361	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROPPE L J J A 13009	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROQUERO-DE-LABURU 106178	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
RORABAUGH G 7487	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
RORER G 61867	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROREX H D 36331	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
RORHOLM N 35882 86585	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
RORSLETT B 98948	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
RORTH P J 23617	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROSA E LA 32314	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROSA J 36548 67650	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROSA L 62837	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROSA N DA S 43854	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROSA T DA 44233	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROSADO-CARBO G 22894	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROSALES A A 42044	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROSALES F 42046	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROSANDICK L 71832	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROSARIO-C R DEL 51988	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROSAS COSTA J A 106100	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROSAS G S 79372	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROSAS H 31427	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROSASCHINO F 30960	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
31428 65087 103849	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROSATI T 13122 61689	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921
ROSAYRO R A DE 37600	ROSEFELDT E 7897	ROSI R 86019	ROSSITER F 12410 12411	ROTSCH D 73921



ITEM	ITEM	ITEM	ITEM	ITEM
ROULIAS G 36508	ROWICKA K 38177	ROZSA T A 16145	RUDENKO A I-CONT 102104	RUITER L DE 94464
ROULLARD P L 82008	ROWINSKI P 92042	ROZSNYAI J 47158	RUDENKO A P 82401	RUIZ N I 4095
ROULON F 69761	ROWLAND F E 54046	ROZSNYAY D ZS 27115	RUDENKO I E 53656	RUIZ S 86340
ROULSTON W J 105050	ROWLAND P 64652	ROZTOCIL V 92543	RUDENKO M I 48739	RUIZ-CASTRO A 68200
ROUMAGNAC J 56790	ROWLAND S J 22061	ROZTROPOWICZ S 70012	RUDENKO N 16053	85186
ROUMILLAT J E 44715	ROWLANDS D G 20179	ROZUM V 24075	RUDENKO T P 62309	RUIZ-CRUZ J 55642
ROUND F E 8816	59870 59871	ROZYCKA T 70557	RUDERMAN A P 54634	RUIZ-DANA-LARRAR-102497
ROUNDS H D 43328		ROZYCKI Z 16248	RUDERT F 849	TE J M
ROUNDS H G 107938	ROWLANDS I W 61612	ROZZI U 83114	RUDERSCU L 78740	RUIZ-FORNELLS R 302
ROUNDY Z D 85484	28507	RTSKHILADZE I T 97972	RUDIGER C 4452	RUIZ-GARCIA F 106179
ROUPPERT C S 36431	ROWLANDS W A 76528	RU S K 27603	RUDIKOV N I 104134	RUIZ-MARTINEZ C 12700
ROUQUEROL T 70394	ROWLANDS W T 32283	RUANE J B 10370	RUDINSKY J A 4916	12701 36510
ROUQUET D 33491	ROWLEY E 64484	RUANO M A 47075	73318	RUIZ-ORNOZ M 88185
ROURE L A 26968	ROWLEY G D 17777	RUANOVA A 22711	92269	RUIZ-REVUELTA J M 37330
ROUSE A H 38618			40857	RUIZ-SANTAELLA J 95699
ROUSE P 14218			40909 71562	81394
			102911	4363
			93340	RUIZ-ORNOZ M 88185
ROUSE R D 29487			27609	RUIZ-REVUELTA J M 37330
ROUSEAU J E 82161			4715	RUIZ-SANTAELLA J 95699
ROUSEK J 52126			13551	81394
ROUSSER G 45191			37601	4363
ROUSSAKOFF L F 18207				RUKHADZE P E 46613
ROUSSE M 27082				RUKHLYADEVA M 44692
ROUSSEAU 48892				RUKUIZA A 21114
ROUSSEAU J 57597				RULFO F 47492
ROUSSEAU J E 13175				86891
61980 82180				27605
				RUMBALL W 10497
				RUMBERG B 1267
				RUMBURG C B 69029
				69588
				31216
				101025
				89670
				51923
				16193
				43329
				93273
				50810
				91395
				3780
				53657
				102548
				102591
				26565
				72245
				57289
				24253
				76988
				19468
				49373
				77561
				7540
				19402
				26893
				26921
				11290
				83188
				89301
				103511
				2055
				5544
				23243
				85153
				78742
				79976
				93179
				39391
				64691
				49818
				88765
				81706
				108322
				10522
				41493
				31431
				107187
				36511
				3677
				78701
				83387
				94334
				105218
				44442
				96752
				69998
				6454
				108617
				73319
				1889
				59754
				30223
				106366
				106991
				40054
				71729
				80062
				34607
				21531
				39
				15936
				65744
				101381
				32284
				30984
				53784
				103108
				45926
				82778
				102027
				95687
				91299
				32715
				47533
				37331
				65621



	ITEM		ITEM		ITEM		ITEM		ITEM
RUSHMORE F A	74144	RUT O	58499	RYCKAERT A	5312	SAATCIOGLU F	2777	SADAUSKAS P	51928
RUSHMORE F M	2883	RUTER G	83884	RYCKMAN R E	14763		81066	SADDIK K	69032
RUSIECKI M	74960		94951		53417	SAATMAN R R	42047	SADDIK M F I	30833
RUSIN E F	25324	RUTGEERTS M J	19391	RYCROFT H B	63887	SAVEDRA I J	106849	SADDITQA A R	78299
RUSINA O N	78367		19403	46614 46615	77401	SABA N	41675		78300
RUSINOVA I P	80783	RUTGER J N	1429	RYDALEVS KAYA M D	101874		72269	SADECKY E	63327
RUSK D	71187	RUTGERS R	84954	RYDALEVS KII E B	7046	SABA W J	82060		73002
RUSK J M	19024	RUTH D J	16910	RYDEN H	7670	SABADASH E V	54498	SADEK I	55429
RUSKOV D	86763	RUTH J M	26347		108110		97083	SADER V	41549
RUSKOV P	69762	RUTH L H	46328	RYDEN K	88883	SABALA E	10016	SADGOPAL	66046
RUSHINI B	59241	RUTHENBERG H	7617	RYDER E J	37898	SABATA B K	1411	SADHU D P	13619
RUSOFF L L	7170		50134	RYDER H	106463	SABATINI V	27103		31979
	108967	RUTHER F	80406	RYDER H M	79849	SABATTIER G	108323	41568	41877
RUSS K	63655	RUTHERFORD A A	37229	RYDER M L	6667	SABBE W E	35054	51959	52227
	83459		89497	42227	63029	SABEC D	101755	44299	85328
RUSS W	15355	RUTHERFORD C I	43293			SABELLA L J	4592	SADINI V	85442
RUSSE I	72267	RUTHERFORD J L	97513	RYDER N	107188	SABER M S	77249	SADLER A M	33434
RUSSE M	51926	RUTHERFORD R R	41511	RYDHOLM S A	61444	SABET K A	57831	SADLER E A	84483
RUSSEL D A	61223	RUTHERFORD W	69708	RYDL D	64777	SABET S A	77863	SADLO S	42842
RUSSEL J H	1410	RUTHERFORD W M	68820	RYEN A	21796	SABEY B R	80064	SADDOVNICHII F P	102726
RUSSELL C R	34021		75312	RYERSON D E	67730	SABHARWAL P S	20365	SADDOVNIKOVA R I	34608
	55342	RUTHSCHMANN J	89856	RYF E	46606		27481	SADDOVNIKOVA V I	15879
RUSSELL D R	46079	RUTSKOWSKI A	6217	RYFF J F	82275	SABIEL G	27606	SADOWSKI C	61883
RUSSELL D W	58211	RUTKOWSKI A	66045	RYGG G L	104706	SABIN D R	12315	SADOWSKI S	58004
	61673	RUTKOWSKI B	71115	RYGG T	75342	SABIN S D	57103	SADRIDDINOV A A	29793
RUSSELL E	89361	RUTKOWSKI M	2235	RYKA C	83357	SABIN N	56498	SADUN E H	5345
RUSSELL E J	30444		11206	RYKE P A J	37134	SABIN S W	13637	SADYKHOV S R	1412
	71051	RUTLEDGE P S	1283		94761	SABINA L R	3684	SADYKOV A S	7900
RUSSELL E S	82477	RUTLEDGE R W	46409	RYKOV M I	94772	SABINE J R	71798	10017	10156
	82512	RUTLEDGE W A	76331	RYKOVA V I	82844		82782	16299	10156
RUSSELL G	99793	RUTQVIST L	21862	RYKOVSKII G F	76879	SABININA E D	19000	89961	100667
RUSSELL G A	84251	RUTSCHKY C M	33280	RYKOWSKI B	88452	SABIR M S	3253	SADYKOV S S	100420
RUSSELL G C	50186	RUTTAN V W	45441	RYLAND L	28693	SABIROV M K	91126	SADYKOV V	53742
RUSSELL G E	18344		45740	RYLANDER B	92866		91127	SADYKOV ZH S	42208
	47534	RUTTER E G	78615	RYLE G B	88027	SABIROV P S	92233	SAED A K EL	68709
RUSSELL G K	10014	RUTTLE J L	82744	RYLE G J A	60913		92351	SAEED M	26104
RUSSELL J A	50325	RUTTLOFF H	34008	RYLISKA A	78743	SABNIS D D	19129	SAEGUSA Y	27641
RUSSELL J D	92833	RUTTNER F	4986	RYLOV V M	28809	SABNIS S D	88283	SAEKI H	11423
	104075		73425	RYLSKI I	67559	SABO B	68989	SAEKI M	40702
RUSSELL J H	33771	RUTTNER H	23463	RYOKI T	59882	SABOE L C	70616	SAEKI N	84768
	41363	RUUDVERE A	62125	RYPCZYNSKI F L	106912	SABONEN M	48667	86651	86893
RUSSELL J R	23809	RUUHIJARVI R	72071	RYRYS L J	101197	SABORIDO J	76557	SAEKI S	32103
	42563		8797	RYRYS R	51268	SABOUR H I	55346	SAEKI T	19131
RUSSELL J S	50132	RUUS C	72591		21797	SABROE A S	102390	SAEKI Y	4047
	60664	RUUTUNEN E	101570	72268	82947	SABROSKY C W	16665	52164	92741
RUSSELL K N	16839	RUVEDA E A	69224	RYSAVY M	13522		95077	SAEMAN J F	71512
	76330	RUWICH J	31609	RYSER W	56876	SABROSKY L K	56875	SAEMUNDSEN E G E	61242
RUSSELL L	54589		82402		56040		76677	SAENKO N F	96301
RUSSELL L M	36512	RUYSCH W	59755	RYSS R G	86892	SABRY J H	57104	SAENZ-MAROTO A	17470
	84048	RUYSCH W J	39276	RYTEL Z	518	SABRY Z I	6017	SAERENS J	25671
RUSSELL M B	35688	RUYTTER W DE	15757	RYTIL J	80585		57104	SAETTONE A	21912
	36591	RUZHNIKOVA T N	74353	RYU E	98513	SABURDV N V	34822	SAEZ BAZ A	40534
RUSSELL P	2986	RUZICKA M	8743	RYUGO R	93833		75343	SAEZ H	105544
RUSSELL P F	73139	RUZZIER L	77276	RYVARDEN L	37135	SACAY O J	87282	SAFAR J	81160
RUSSELL P K	41833	RYACHEV V D	44180	RYVANKEN B V	98839	SACCA G	42536	SAFAROV I D	3493
RUSSELL P S	4044	RYABCHUN R T	69031	RYVANKEN A A	83567	SACCAO F	38371		103589
RUSSELL R	24301	RYABININ A A	100419	RYVANKEN A A	101440	SACCAVINI P L	79717	SAFAROV I S	12034
RUSSELL R A	35334		28335	RYZHENKO L	35122	SACCHARIN H	27354	SAFAROV K M	13727
RUSSELL R C	101478	RYABININ S M	28374	RYZHNIKOV D P	71349	SACCHI R	24254	SAFAROV SH A	411
RUSSELL R D	50133	RYABKOVA L S	17188	RYZHNIKOV K M	62898	SACCO L	5874	SAFARYANTS E	32263
RUSSELL R M	26206	RYABKOVA N A	46942	RYZHNIKOV V L	9613		106377		97108
RUSSELL R R	104429	RYABTSEV V N	77797	RYZHOV S	37475	SACCO T	31432	SAFAVI M	105895
	104705	RYABYKH R S	87528	RYZHOV S N	106322	SACENIEKS R	36910	SAFEULLA K M	18640
	1170	RYADCHIKOV V G	29832	RYZHOV V L	60485	SACH F	74037	SAFFERMAN R S	68292
RUSSELL M S	10109		63222	RZADKOWSKI S	47535	SACHAR R C	708	SAFFLE R L	7200
	54612	RYADNOVA I M	93776		51091	SACHDEV R N	44493		107599
RUSSELL S H	44315	RYADNYKH V	1171	RZAEV G A	61292	SACHER D	47062	SAFFRAN E M	1406
RUSSELL T A	27557	RYALL A L	34765	RZAEV M M	28141	SACHER G A	64042	SAFINA A	96990
RUSSELL T S	52474		44665	RZASA S	100896	SACHER J A	19130	SAFIULIN A	24190
RUSSELL W	32102	RYAN A F	106714		11207		48106	SAFIYANOVA V M	32656
RUSSELL W A	27749	RYAN A J	51927	RZEDOWSKI J	50189	SACHETTO A	43782	SAFONOV G A	22660
RUSSELL W J	69416	RYAN D M	72516		18467	SACHIDANAND	50971		93341
RUSSELL W S	22751	RYAN E M	64704	RZEDOWSKI W	67865	SACHKOV A M	73426	SAFONOV D A	69034
RUSSELL X E	41381	RYAN E W	1172	RZEDZICKI J	54324	SACHLI S	24157	SAFONOV V	25971
RUSSELL-SIR E J	20459	RYAN F B	93678	RZEPECKA J	93357	SACHLI S N	53615	SAFONOVA T A	57700
RUSSEV E	13112	RYAN G S	84899	RZEPIELA M	84888	SACHOW L D	15499	SAFRIN B	106200
RUSSEI S	78897	RYAN M	78957	RZEPIELA K	74835	SACHS E	1466	SAFRONOV V	5875
RUSSKOVA E F	21691	RYAN P	36667	RZENNIS K	4225		96999	SAFRONOVA I N	18468
	21692	RYAN P L	23335	RZEWSKI W	7109	SACHS I B	21718	SAFT A	34987
RUSSO G	23334	RYAN R A	23560	RZHEKHIN V P	26114	SACHS M	78574	SAFTA I	59192
	52962	RYAN R B	5471	RZHEVSKII G K	28422		98314	SAFTUI B	36897
RUSSO G A	24302	RYAN T M	37984	RZYMKOWSKI A	27012	SACHS R	38372	SAFVESTAD V	26842
RUSSO H	40135	RYAN W E	92045		74214	SACHS R M	709	26843	26937
RUSSO-CAIA S	43106	RYAZANSKAYA K V	47798		74215		78572	45839	66843
RUSSON J B	101342	RYAZANTSEVA M I	97228			SACHS T	38373	SAFVESTAD W	87074
RUST I W	67256	RYAZANTSEVA N M	12831			SACHSE H	24782	SAFWAT F M	711
RUST J W	3492	RYBA M	3383			SACHSE R	16840	SAFYANOVA V M	14057
RUST M E	16249	RYBALKO K S	27274				46252		63503
RUST R	35121	RYBAK M	37602			SACHSEL G F	85018	SAGA K	94206
RUST R E	25823	RYBAK V M	29792	SAACKE R G	103488		91397	SAGA M	40960
	55501	RYBAKOV I M	48941	SAAD S I	26789	SACHSLEHNER L	6431		97168
RUST R H	39836	RYBALKA K S	28375	SAAD Z J	31674		74885	SAGA S	81473
	66842	RYBALKIN M I	26305	SAAKOV A B	84523	SACHSSE H	91778	SAGAI DAK I N	81161
RUSTAGI P N	89176	RYBALKINA A V	76956	SAAKOV S G	60665	SACHT H O	84507		29110
RUSTAMOV A K	17068		90945	SAAKOV V S	26790	SACHTLEBEN H	57267	SAGAR G R	68390
RUSTEN A	21240	RYBALKO K S	8657	SAALYANTS K B	62999		87938	SAGAR R H	3514
	21310		79043	SAALYANTS K B	60485	SACIRBEGOVIC A	3788	SAGARIK R	10828
RUSTEN J	102724	RYBALKO S I	73162	SAALYANTS K B	54588	SACK R	3788		10829
RUSTEN J	13726	RYBALTOVSKII O V	83252	SAALYANTS K B	85234	SACKETT W J	91396	SAGATOV K	19132
RUSTIG K	54083	RYBCHENKO O I	83252	SAALYANTS K B	47367	SACKSTEDT A	32285	SAGAWA Y	100421
RUSTOM Z M F	63584		77216	SAAR A	66692	SACKSTON W E	84	SAGAWARA K	19908
RUSU E	100505	RYBICKA H	89915	SAAR C	31610	SACKUR M	8275	SAGE A P	76925
RUSU F	2391	RYBINA E V	104292	SAAR L I	5491	SACRE E	71591	SAGER R	851
RUSU I	103577	RYBKA R	13124		71797	SACUUI I	97522	SAGHAR A R	54992
RUSU V	63233	RYBKINA A D	103855	SAARE E	101680	SACZUKA B	70959	SAGI F	100569
RUSYAEVA G G	99794	RYCHKOVA M I	88395	SAARI A	57585	SADAMORI M	28870	SAGI K	50310
RUSZCZYC Z	51798	RYCHLIK M	107547	SAARI A L	16362		35501	SAGISAKA T	41789
	52561	RYCHLIK T	50135	SAARI E	51075	SADAMORI S	39059	SAGLITZ J	81326
RUSZKOWSKA B	48717	RYCHNOVSKA M	17778	SAARISALO-TAUBERT A	88186		47924	SAGMEISTER F	51854
	48718	RYCHNOVSKA-SOUDK-OVA M	1173	SAARINIRTA M	19405	SADANA G L	105550	SAGNIER E	102028
RUSZKOWSKA M	48718	RYCHTER S	7232	SAARINIRTA M	18765	SADANAGA K	36926	SAGREIYA K P	30336
RUSZKOWSKI J	77012	RYCHTER-KOWALSKA	38621	SAARNIJOIKI S	50741	SADANGA K	18639		50545
RUSZKOWSKI M	28670			SAARSOD B	26895	SADASIVAM K V	90942	SAGUMSKY H	38374
	38225					SADASIVAN T S	68290	SAGUNOV V G	60755
	48717						70387		60788



ITEM	ITEM	ITEM	ITEM	ITEM
SAHA B 37765	SAITNER M --CONT 34389	SAKURAI M 3642 21955	SALISBURY F B 10019	SAMBORSKI D J 77799
SAHA J R 69035	74886 96524 106974	31066 44417 76332	28145 47678 48037	--CONT
SAHA P K 96753	SAITO B 2428 80407	SAKURAI S 14342 23495	48374 100423	SAMBORSKI Z 31434
SAHA R 16147 26988	SAITO C 41615	53121 96694	22014	52012 82390
75466 76500	SAITO F 45093 81395	36165 74308	62021 62046 71942	45161 66048
SAHADEVAN P C 19559	81396	105346 108383	82009	28729
20742	SAITO H 40962 54906	SALA ESCOLIES E 60789	51516	SAMBUC E 29951
SAHAGUN F A 96935	68561 75150 103019	95514	27243	SAMBUR G N 40136
SAHAN L 61872	SAITO I 97409	65545	48375	SAMDAC M 74283
SAHANI K L 13636 13678	SAITO J K 82720	SALA J 28931 48372	71545	SAMEC M 16014
13728	SAITO K 29001	49144 49145 90372	60275	43939 51269
SAHARA T 108601	SAITO K 580 29001	90373 101260 101261	30599	SAMEDOV N G 5196
SAHASHI Y 52289 81864	35560 42303 68954	7697	61595	SAMEK V 50742
104375	93850 97082	50426 52640 87495	35690	SAMETZ Z W 26668
SAHASRABUDHE M R 26126	5027 13468	97678 97764 98038	67356	SAMGIN P A 102592
66047	15862 18020 28694	98316 106885	42159	SAMHAMMER E 15648
SAHAY R 19030	31854 34779 42839	SALA-GOMES J M 75213	106717	SAMI M S M 42004
SAHAY R K 19031 21069	79169 83708 93025	SALADIN M 42676 42677	107382	SAMI-UN-DIN 56946
SAHAY S 90237	94611	63617 94372	44667	SAMII C 108033
SAHL K 52297	SAITO N 42322	SALAGEANU G 31227	17863	SAMIMI Y 31126 103934
SAHLER J 106038	SAITO S 14341 28728	31477	63504	SAMISH V 78575
SAHLI F 75356	31933 32104 78864	10018	94207	SAMISH Z 6757 15934
SAHLIN C I 17779 67746	79718 100146 100685	38376	57480	SAMMAN Y S 1177
SAHLMAN K 47799	SAITO T 1174 28143	SALAJAN G 102030 104580	88198	SAMMERKAMP G 43408
SAHNER W 66693	29111 29112 32105	SALAM A A 2223	30511	SAMMET L L 44777
SAHNI M L 47368	32106 33872 35916	SALAM F A 63371	40771	SAMMONS R 97000
SAHNI V M 2448 14152	38375 41110 44666	SALAM M A A 48373	103590	SAMODELKINA S D 13430
32801 93504 93505 96019	67354 68399 82696	80064	18257	SAMODUROV V I 8556
SAHNI V P 184	97361 97362 97363	SALAMA A 31986	14985	SAMOFAL S 81025
SAHO H 18209	97909 98315 100422	SALAMA A M 19134 75565	19135 60162	SAMOFAL S A 81163
SAHO T 89166 89169	105052	89602 89672	109267	SAMOFAL T S 85737
89170	SAITO Y 40922 47536	84049	26031	SAMOILA Z 48885 75032
SAHONET P 106685	93146 105740	84050	64796	SAMOILA Z A 80409
SAHU B N 14561 20693	6394 34443	SALAMAN D F 104200	16964	102031
29794 50081	54538 96442	SALAMANCA-VARGAS J 27413	16966	SAMOILOV I I 80783
SAHU S 3636	SAITONGSUK P 79470	SALAMATOVA T S 89906	4515	SAMOILOV N 24041
SAI F T 36332 108743	SAITSEVA G N 70395	SALAMINI F 710 765	82948	SAMOILOV N G 13668
SAIBOV KH D 91300	SAITZMAN S 101869	SALAMON A 27469	36416	SAMOILOV N P 48793
SAICHUK K I 60486	SAJA F 21165 35689	SALAMON A 74264	71799	SAMOILOVA E I 105150
SAID A H 12702 81849	SAJCZYK J 93357	SALAMON P J 88376	33629	SAMOILOVA E M 80060
SAID B 63977	SAJDL K 12066	SALANKI A S 89519	11769	SAMOILOVICH G G 70996
SAID M 101622	SAJGO I 85485	SALANT W A 67276	80408	71164 71283 109092
SAIDUMAROV S 84621	SAJNANI B T 10567	SALANtera P 40770	106967	SAMOKHODSKAYA I I 5744
SAIFI A Q 58971	102029	51185 71403	82647	SAMOKHVALOVA N S 9487
SAIFI E KH 15171	SAJO E 10337 11095	42704 42705	59872	9488
SAIGAONKAR P B 104850	SAJO Z 20300 25647	SALAS A 20914	101528	SAMOL S 62536 63314
SAIGH W K 64806	SAKAGAMI S F 14323	SALAS G P 67355	80058	93879
SAIGNE B 17655	105896 105897	SALAS J DE 84178	103482	SAMOLAS T KH 38378
SAIGUSA K 19465 84355	SAKAGAMI Y 2173	SALATIC S 85406	81202	78745
SAIGUSA Y 3752	SAKAGUCHI B 5313	SALAVATO J A 79189	2430	SAMORODOVABIANKI 85728
SAIHA E 81510	105497	SALAZAR A 9986	60487 60488	G B
SAIKA T C 7324	SAKAGUCHI K 54223	SALAZAR DECA L 1524	101572	SAMPAIO G DE M DE 36333
SAIKI H 41172	80831	SALAZAR J 98376	54512	SAMPAIO J A 49753
SAIKIA B K 91155	SAKAGUCHI S 74416	SALAZAR J R 11601	100796	SAMPAIO R S 91209
SAILER R I 14253	SAKAI H 2681 60229	SALAZAR-ESTRADA P 90102	107909	24482
SAILSBURY R L 2427	60230 80137	90103	52304	SAMPAOLO A 24481 24482
SAIN K 102219	SAKAI I 890 9656	SALAZAR-SILVA J E 19666	64843 78948	84944
SAINCLIVIER M 74984	SAKAI K 1985 29113	90104	73771	84945 86260
74985	30224 35163 38766	SALAZHOV E L 30983	105534	SAMPATH S 67866 78276
SAINI A D 28142	SAKAI K I 18210 102727	SALCEDO J 97470	94662	SAMPATH S R 22096
SAINI G R 40274 65455	SAKAI R 47369 99481	98374 109266	22871	SAMPER A 54091
SAINI J S 39932	SAKAI R K 105729	SALCHEVA G 38377 89735	14839	SAMPERI S 7428
SAINI S S 11600	SAKAI T 97254	SALDARRIAGA VILLA M 67182	10021 11208	SAMPFORD M R 27642
SAINO T 65745	SAKAKIBARA A 41143	SALDARRIAGA-VILLA M 27135	23937	SAMPIETRO G 28527
SAINSBURY D 64618	SAKAKIBARA T 31983	SALEEM T 70287	27886	SAMPLE E C 80065
106464	33882 41045	SALEEV N A 51550	70630	SAMPOL C 77375
SAINSBURY D W B 15319	SAKALA J 3400	SALEGARD A 30762	69074 71667	SAMPSEL J 73163
43781 93802 95792	SAKALIS V 29002	SALEH A A F 96792	921	SAMPSON A W 581
96017 96018	SAKAMOTO C 82585	SALEH A M 37371	6825 25511 55139	SAMPSON F B 99979
SAINSBURY G F 6915	SAKAMOTO K 45442 80832	SALEH M 89802	51611 104035	SAMPSON J 2039 83067
55108	106999 1175	SALEH M EL S 31522	97255	SAMPUGNA J 15625 41536
SAINT ANTOINE J D 26306	SAKAMOTO M 33683	SALEH M EL-S 22260	36513	SAMRA A S 57831 77863
DE R D 11371	SAKAMOTO S 27759 77377	229420	87950	SAMSET I 40518 40555
SAINT ARNAUD R J 11424	SAKAMOTO S S 33284	SALEHUDDIN A B M 81560	59375	40772 40773 40774
11424	SAKAMOTO T 20427 59915	SALEH M S E 22620	78744	71052
SAINT CLERGY C J 30579	86022 102433	SALEH M S E 22620	74986	SAMSINAK K 94773
SAINT CLOUD A 42510	SAKANOU E M 52165	SALEH M S E 22620	105053	SAMINAKOWA A 73107
SAINT JOHN H 36911	SAKAD Y 33958	SALEH M S E 22620	63849	SAMSON A 34521 46163
88375	SAKADO T K 40923	SALEH M S E 22620	40736	SAMSON J A 79439
SAINT JOHN L E 42785	SAKAR J 8421	SALEH M S E 22620	62756	SAMSON K S 4385 82845
SAINT JULIAN G 33435	SAKATA K 90449	SALEH M S E 22620	12386	SAMSON R W 10936
SAINT LOUIS E 107189	SAKATUNOV S 86953	SALEH M S E 22620	86266	SAMSONENKO K I 48893
SAINT SIR J 55948	SAKAYANAGI M 80063	SALEH M S E 22620	28146	SAMSONOV M M 28528
SAINT VINCENT 27259	SAKAZAWA C 64702 64703	SALEH M S E 22620	59783	SAMSONOV M P 69348
76353	SAKHARENKAVA H F 98689	SALEH M S E 22620	55197	SAMSONOVA I A 49374
SAINT-AMANT P J 80877	SAKHARIEV S 20913	SALEH M S E 22620	6127	SAMSTLEBEN W 54734
SAINT-ANTOINE J D 55924	SAKHAROV P D 76501	SALEH M S E 22620	10022	98184 107232
DE R D 42171	SAKHAROV S 21798	SALEH M S E 22620	42323	SAMTSEVICH S A 69036
SAINT-AUBERT G DE 44614	SAKHAUTINDOVA O A 81162	SALEH M S E 22620	14666	SAMTSEVICH S A 28147
108878	SAKHNOVSKII YU G 33877	SALEH M S E 22620	79795	29574
SAINT-CLAIR J S 63115	SAKHOKIA M F 57642	SALEH M S E 22620	20614	SAMUEL A N 44498 54878
83066	SAKIR C M 55590	SALEH M S E 22620	101684	SAMUEL O C 55198 55541
SAINT-CLERGY C 71659	SAKIYAMA R 100259	SALEH M S E 22620	30834	SAMUEL O G 96897
SAINT-GEORGES J 61873	SAKKUBAI 4207	SALEH M S E 22620	62364	SAMUELS C E 75592
SAINT-JOHN W K 74290	SAKKUBAI P R 63313	SALEH M S E 22620	87496	SAMUELS G 2431 11602
SAINT-MARTIN C 103403	SAKO J 1809 59650	SALEH M S E 22620	36114	19136 20586 20743
SAINT-PAUL M 100599	SAKO J S 59983	SALEH M S E 22620	107628	38895 40056 50029
SAINT-PIE P 77600	SAKO S 27444	SALEH M S E 22620	9111	60317 60478 91156
SAINT-QUENTIN D 106151	SAKOVICH O YU 14025	SALEH M S E 22620	9112	SAMUELS J K 24436
SAINT-RAT DE 106662	SAKR A H 6017	SALEH M S E 22620	9614	36166 64807 84889
SAINT-RAT L DE 85038	SAKR S 20184 59878	SALEH M S E 22620	85154	SAMUELSON G A 73669
SAINT-SMITH J H 101571	SAKSENA G K 58684	SALEH M S E 22620	101861	SAMUELSON O 12369
SAINTE-JEANNE-DE 8336	SAKSENA K N 42624	SALEH M S E 22620	33509	12370 21558 21577
JESUS 39805	SAKSENA R K 27607	SALEH M S E 22620	102871	21617 25118 25242
SAINTE-JEANNE-DE- 8336	SAKUMA Y 52005	SALEH M S E 22620	58450	51241 61558 75097
JESUS 8336	SAKUN V A 64509	SALEH M S E 22620	90557	103036
SAIO K 44956 58402	SAKUNO T 51209	SALEH M S E 22620	69433	SAMUELSON P A 86586
SAIPZHANDV M M 2455	SAKURABA S 78681	SALEH M S E 22620	72657	SAMUELSSON E G 6395
SAIR L 54132	SAKURADA I 54877	SALEH M S E 22620	35484	74987 96632
SAISAENGCHAN K 83707	SAKURADA S 81474	SALEH M S E 22620	86652	SAMUELSSON L 101345
SAISON R 104076	SAKURAI A 69085 100474	SALEH M S E 22620	108072	SAMUELSSON L G 12387
SAITNER M 6455 24928		SALEH M S E 22620	108111	SAMUKAWA K 44017 96868
		SALEH M S E 22620	77798	SAMUL S 22984
		SALEH M S E 22620	18212	SAMURA T 27986



ITEM	ITEM	ITEM	ITEM	ITEM
SAMUO M 74816	SANDERS M E 37899	SANG J H --CONT 23695	SANTORO F H--CONT 63717	SARINGER GY 94476
SAMUSHONOK V I 103097	SANDERS W 94663	33141 53309	63968	SARISALO M 13981
SAMYGIN G 38377	SANDERSLEBEN J 104905	SANGAL P M 11153	88682	SARISHVILI N G 24664
SAMYGIN G A 10023	VON	SANGAT 62899	72693	SARJAS P DE 58005
SAMYLYNA V A 8617	SANDERSON A 87697	SANGER H L 18346	103016	77800 101573
SAMYSHKINA V S 73427	SANDERSON A I G 18036	SANGER V L 13517	18077	SARJEANT W A S 77217
SAN ANTONIO J P 58845	SANDERSON D M 68016		47537	SARKADI J 29796 38381
	SANDERSON E 59243	SANGERS W J 34682	10486 69434	
SAN MARTIN P R 94774	SANDERSON E E 48654	SANGHAVI D V 21027	54449	SARKANEN K V 71563
SAN PIETRO A 58964	SANDERSON F R 9130	SANGHAVI M C 38577	10921	SARKANY GY 94336
59023 59064 107247		SANGHVI C 29795	61541	SARKANY S 90778
SAN-ANTONIO J P 10024	SANDERSON G W 19407	SANGNAES T 77015	61542 91598	SARKAR B C R 44615
SAN-JUAN M O 18345	69300 74647 74648	SANGSTER A G 57482	59757	
SAN-MARTIN P R 105554	SANDERSON H R 94984	SANGUESA J A 30301	15921	SARKAR H L 78057
SAN-PIETRO A 9844	SANDERSON J F 66107	30408 30742	86249	SARKAR N K 53245 63920
10188 10206 19273	SANDERSON M 25878	SANIKIDZE G S 90946	7239	SARKAR S 18347 18348
78970 79001		SANIN J 60524	16275	SARKAR S K 53352
SANADA T 44417	SANDERSON W B 107054	SANINER 13208	93679	SARKER M 34009
SANAEV N F 101441	SANDERSON W W 85298	SANINT D 41704	76502	SARKISOV A 71660
SANARAWERA S K 77778	SANDESCO I 73129	SANKARAN A N 76883		SARKISSIAN I V 38382
SANBORN B G 107896	SANDEV S 3262 30811		22898	SARKOV T 38767
SANBORN J M 91030	34492 38623 51429	SANKARAN S 29106	1178	SARKOZY P 11603 43712
SANBORN R C 73858	SANDEFAER J 89265	SANKARAN T 23768	38551	64439 102236
SANCHES A J G 73320	SANDEFORD H 90715	SANKARANARAYANAN 83986	14670	
SANCHETI D C 107517	SANDEFORT A 62757		78355	SARKOZY R 65940
SANCHEZ A 12739	SANDHU A S 20123	SANKARANARAYANAN M P 80192	22356	SARLET A 95515
SANCHEZ B 20584	SANDHU G H 100791	SANKARANARAYANAN S 89707	54879	SARLI A E 59873
SANCHEZ BOTIJA C 63315	SANDHU J S 23253 48938		59041	SARLIN P 2778
	SANDHU K S 102033	SANKARASUBRAMONEY 49765	9293	SARMA A H V 68394
SANCHEZ C 36741	SANDHU S S 19690 48942		26382	SARMA D S R 5538
SANCHEZ CAMAZANO 60247	SANDHU T S 72358	SANKHALA K S 98465	71501	33432
M 60394	SANDI E 107740	SANKHLA H C 27193	56755	26127
SANCHEZ D N 60473	SANDI MRS O 16841	SANKOVIC F 31664	76500	86314
SANCHEZ DE LA CRUZ E 67183	SANDINE W E 24798	SANLAVILLE P 66694	71502	52277
	54494 74340 85489	SANNA F L 44316	81511	33432
SANCHEZ F J A 60581	SANDKE G 100693	SANNA F 4268 62743 62980	303	48608
SANCHEZ J 75212	SANDLAND P 30911		22515	SARMA R 16147 75466
SANCHEZ J A 60349	SANDLER L 14667 64021	SANNE B 11770	52204 62685	25243
SANCHEZ L 95658	SANDLUND S 38674	SANNIKOV G P 11096	62730	68195
SANCHEZ MONGE 59242	SANDNER G 102391	SANNIKOV M I 49486	31856	26128
PAPELLADA E	SANDNER H 52890 99712	4319	6312	SARMA V A 49754
SANCHEZ-CAMAGAZA-NA M 70236	SANDOR F 412 8952	SANNIKOV M I 4319	3622	SARMA Y S R K 37767
	23244 49485 79850	SANNINO D 93148	104378	88488
SANCHEZ-CAMAZANO M 70302		SANO H 30162	22985	SARMIENTO L S 51032
	SANDOR I 63223	SANO K 87235	29804	SARNAT C 18530
SANCHEZ-CONDE M P 29495	SANDOR P 56659 77064	SANOJA M 17015	50146	SAROFF H A 43940
SANCHEZ-DE-BUSTAMANTE C A 99238	SANDOR V 43634	SANQVIST E 45527	4320	SAROSI MRS D 100424
	SANDOSHAM A A 23134	SANS J W 33140	28730	
SANCHEZ-DURON A 48894	63520	SANS H H 42610	3100	SARPE N 29336
SANCHEZ-DURON N 45287	SANDOUAL A R 9721	SANSAVINI S 1143	56070	SARQUIS A V 49307
SANCHEZ-FERNANDEZ S 26190	SANDOUAL F M 43869	18021 23337 68067	99482	SARRA C 32293 35154
	78746 80066 102112	SANSOM B F 63152 72271	107494	35185 35201 72878
SANCHEZ-GAVITO L 45840	SANDOUAL J A 19137	74887 82506	97364	SARRADON G 84622
SANCHEZ-MARQUEZ P 27260	SANDOUAL JUAREZ J 62711	80045	102977	SARRAIS-DEL-ALCA-ZAR M 98375
SANCHEZ-MARROQUIN A 19406	SANDOUAL L A 41900	SANSOTERRA T 40037	10161	
	75610	SANSTED D J 64654	48379	SARRAZIN P L 44099
SANCHEZ-MEJORADA H 88377	SANDOUAL P R 97910	SANT G F VAN T 11833	80486	44614
	SANDOUAL R 89787	SANT G F VANT 99796	19587	SARRET Y 28871
SANCHEZ-MONGE E 48857	SANDOUAL-AMADOR U 30820	SANT H R 47679	19588	SARRUGE J R 9903
SANCHEZ-MONGE-PA-RELLADA E 89302	SANDOUAL-VILLED A L R 45841	SANT L E VAN T 63583	28148	61079
SANCHEZ-MONGE-Y--PAPELLADA 19507		13916	SAPRE A B 108325	
	SANDOOZ M 35933	23245	SAPRE S G 104707	SARSFIELD A C 102221
SANCHEZ-MORALES A 6901	SANDQVIST E 16601	SANTA C N 80178	26307	SARTBAEV S K 13552
16040 16041 55181	56128 76333 108147	SANTA MARIA J 77482	26276	14054 14055 63104
55182 89673	SANDREZ-CAMAZANA 70236	SANTA-ROSA C A 22330	66241	94202 94209 94210
SANCHEZ-NARVAEZ E 87497	A YU 3278	22939 22941 22986	3087	94775
SANCHEZ-NIEVA F 34707	SANDRI 41287	104926	SAPRYKINA E S 38929	SARTI M 95946
75271 79342 96905	SANDRI G 39637 108324	SANTAMARIA J 3174	SAPTHARISHI K 94326	SARTOR J 27136 108205 108206
SANCHEZ-OSUNA M V 79797	SANDRO G C DI 20916	SANTAMARIA R M 81757	SAPUNARU T 71667	
	SANDRO G DI 74216	SANTAMARINA G 11286	78299	SARTOR M 71960
SANCHEZ-PAREREDA J 79071	SANDRU I D 63967	SANTAMARINA G 3105	53351	SARTORE G 32175
	SANDRUUD L 63778	SANTAMOUR F S 9503 50945 69037	85260	SARTORIUS O 78747
SANCHEZ-RASERO F 55180	SANDS J E 6668 34610	71165 105397	57531	SARTZ R S 60091
SANCHEZ-RVIELLO 94408	65323 107206	92667	94335	SARUKHANYAN F G 54450
	SANDS W A 14281	SANTANA-MARIA-BO-HL J 47453	54528	SARUMARU K 62900
SANCHEZ-VIESCA F 1413	SANDSTED R F 70598	SANTAOLALLA M 8745	29706	SARUP P 500 4824
SANCHO J 6311	SANDSTEDT H 4191	SANTAPAU H 8744	24929	5018 5133 14116
SAND K 26987	SANDSTEDT R 18403	88378	SARAO R P 21540	52993 84102 105043
SAND P F 11022 39549	37524	48378	99238	SARUYA K 26389 26390
SANDA A 92742	SANDSTEDT R M 34932	SANTARIUS K A 58846	99483	SARVACOS G 107383
SANDAH B 47160	SANDSTIG B 21558	SANTARIUS Z 16518	99484	SARVAS R 46760
SANDAH K 20915	SANDSTROM L 48943	35401 105721	99484	SARVELLA P 89108
SANDBERG E M 85693	SANDU G 80410 101997	SANTAS L 89916	1525	SARWAR M 103857 103858
SANDBERG F 79044	11425 17955	SANTAVY F 89802	70254	SARYCHEVA Z A 48380
SANDBERG O R 74417	101756 102220		65088	68401
SANDBERG P 42734	SANDU-VILLE C 8870	SANTELMAAN P W 79841	7618	SAS M 13788
SANDELIN G 13126	SANDULA J 104201	89343 89674	6762	SASA M 5361
SANDENO J L 75331	SANDULEAC I 9352	SANTERD G 81872	104512	SASABA T 53110
SANDER 61262	SANDULESCU G 11678	SANTERRE J 88811 88855	93507	SASAGAWA K 30749
SANDER E 57832	SANOVAD K 91138	SANTHAKUMARAN L N 61370	10025	SASAGO K 24875 74804
SANDER E G 108972	SANOVE B 98489	SANTHANAM V 37900	38380	SASAHARA J 52597 93880
SANDER H 77402	SANDVED G 9131 11864	59295 100118	39805	SASAHARA S 34130 34823
SANDER W 92544	SANDVED M 20067 20068	SANTI-JUAREZ T 56499	27607	SASAI K 19184
SANDERCOCK B 70014	39279 59756	SANTIAGO A T 51989	107839	SASAKAWA M 23696 73670
SANDERCOOK T A 44574	SANDVED S 29114	SANTIAGO J T 88183	31599	81204
SANDERMANN W 2931	SANDVIK J O 108618	SANTIAGO R G 107483	41852	SASAKI C 51212
12293 12453 41173	SANDVIK M 21311 60819	SANTIAGO-LUGUE J 32520	48794	SASAKI H 28300 51212
	SANDWELL P R 41029		64848	51213 51216 51217
SANDEROVA J 48377	SANDWITH N Y 88189	SANTINI C 40275 98127	23732	51219 100051 106828
SANDERS A 106663	SANE C R 62022	SANTINI D 47309	23734	107749
SANDERS A N 26791	SANE J O 100481	SANTINI P 72499	105587	SASAKI I 81327
	SANFILE V 49008	SANTINI R 64758	55659	SASAKI K 28150 41137
SANDERS D P 13997	SANFORD G E 103324	SANTIS L D 64287	57146	SASAKI M 852 3981
SANDERS E 31984	SANFORD J 12702 12704	SANTIS L DE 14840	37766	18186 19560
SANDERS E N 56877	SANFORD J O 106278	23964	75681	SASAKI M S 3981
	108744 52891	SANTISTEBAN M 72755	19139	SASAKI N 42288 42324
SANDERS H 76187	SANFORD K H 23336	SANTMYER C 56285	54547	52641 81205
SANDERS I D 55806	SANFORD L L 49375	SANTNER T 82011 92237	9715	SASAKI S 29634 33611 36514
SANDERS I T 87378	SANFORD P E 31855		108112	50930 62401 81164
SANDERS J 3641	42053 52203 62758	SANTO J DO E 57483	29575	82697
SANDERS J W 55347	93147	SANTONI I 71800	29576	SASAKI T 10253 20553
SANDERS M 17069	SANG J H 14396 23694	SANTONI V 17240	28149	23228 28151 45093
SANDERS M B 102032		SANTORO F H 42786	29421	84420 100686 105493
			88229	SASAKI Y 14017



SASAKIBARA T	93208	SATPAEV K I	66363	SAVAGE J K--CONT	67257	SAWAH H EL	71732	75565	SCARBOROUGH W K	45843
SASALA J S	3804	SATPATHY D	18022		87590	SAWAH H M EL		32418	SCARBROUGH N M	61172
SASAMOTO S	52133	SATRIANI F	55674	SAVAGE J R K	68454	SAWAHOTSU H		90362	SCARDACCIONE D	45002
SASANARA J	81780	SATSANGI A	68548	SAVAGE K G	106886	SAWAI H	64766	84793	SCARDAVI G	76705
SASAKA K	59065	SATTA A	34318	SAVAGE Z	6942	SAWAMURA H		43631	SCARINGELLI F P	85132
	100688	SATTAR A	26128		7954	SAWAMURA T	45842	87283	SCARLATESCU G	14282
SASAKA M	68954		80411	107048	16843	79711	97912	97913	SCARLETT C A	25514
SASAKA S	33117	SATTAR S A	56106		34845	SAWANOBOHRI H		39092	SCARNO P L	64999
SASAYAMA S	26383	SATTARZADE R	71961		45927	SAWANT P L		21916	SCARPA G	107587
SASAZAKI T	32333	SATTERLUND D R	20579		86545	SAWATZKI K D		32286	SCARPA M J	37336
	32521		60301	61232		108540		85039	SCARPATI M L	85155
SASHIDA Y	36920	SATTLER E	107190		22267	SAWAYAMA Z	74529	96227	SCARPERI I	10678
SASIMOWSKI E	72503	SATTLER K	23898		51331			80067	SCARPITTI R	79851
	92867		95516		67358	SAWHNEY B L		89376	SCARPITTI I	44100
	92936	SATTLER R	8400		50326	SAWIANO M		27828	SCARSBROOK C E	29688
SASIN D	74072		53152		45717	SAWICKA A		87500		29797
SASKI M	66108	SATTTLER W	95665		56356	SAWIN P B	32165	42121	SCARSI M A	79392
SASONOVA R N	10255	SATYA H N	26969		36515		62995	82729	SCARSTH R D	82002
SASS P A VON	11771		67980		46616	SAWYER C D		11426	SCATOZZA F	32523
SASS U	107288	SATYABALAN K	26896		98620	SAWYER D C		3882	63241	63244
SASSA T	10155	37882	78195	100070	102872	SAWYER H		106180	SCAVAZZON R	76191
SASSAND G	67867	SATYANARAYAN Y	27970		95080	SAWYER H C		29184	SCAVONE G	44499
SASSE D B	96020		88379		52278	SAWYER R L	29115	29184	SCAZZERO W	34078
SASSEN M M A	99980	SATYANARAYANA K V	820		27609	29338	44784	101933	SCEPETILNIKOVA V	83190
SASSER J N	497	SATYANARAYANA M C	26938		100078	SAWYER T K	13299	41768	A	
	99711	SATYANARAYANA T	1414		9929	SAWYER W A	82012	82036	SCHACK J M	80569
SASSER J R	20992	SATYANARAYANAMUR-	79249		8954			82134	SCHAAF A	104762
SASSETTI F	76189	TY K			56372	SAX H J		89677	SCHAAF A VAN DER	44418
SASSO G	74018	SATYAVATHI V K	10026		14058	SAX K	28157	28158		98621
SASSON A	20497	SAU A	69583		3088			89677	SCHAAF D VAN DER	53785
	90947	SAUBERAN C	79344		52329	SAXE R E		10830		64510
SASSOON H F	83068	SAUBERLICH H E	108924		72694	SAXENA A P	42593	94308	SCHAAF H M	19662
SASTRI R L N	9504	SAUCHELLI V	50427		35555	SAXENA B C		107191	SCHAAF J	57314
	27608		50428		18641	SAXENA B N		52698	SCHAAFHAUSEN R V	10498
SASTRI S N	30059	SAUCIER A	61875		81238	SAXENA E R		97217	SCHAAFHAUSEN R	48896
SASTRI S V S	19542	SAUC O	31519		37334	SAXENA G K	58541	58849	VON	48897
SASTRY A B	10568	SAUER	7924		42430	SAXENA H C	13469	52178	SCHAAFHAUSEN I	108328
SASTRY A S	69039	SAUER C O	35934		23660	SAXENA H K		28149	SCHAAFSTAL H A	11679
SASTRY C A	26054	SAUER E	87498		48895	SAXENA N P		58220		33582
SASTRY C V R	3013	SAUER J	57643		23338	SAXENA P N	13972	14726	SCHAA L A	27610
SASTRY G A	72272	SAUER K	78408		21913			80412	SCHAAP A	35442
	93676	SAUER K W	40451		21914	SAXENA R P	93881	102222	SCHAAP C	59874
SASTRY G P	15933	SAUER R M	3793		51376	SAXENA S K		58007	SCHAAFSCHMIDT F	67715
	65435	SAUER T	8953		51587	SAXENA S P		3263		67747
SASTRY K S	58077	SAUER Z	86051		65841	SAXENA S S		102368	SCHAAFSCHMIDT L	5108
SASTRY K S K	58847	SAUERBECK D	100215		666	SAXENA V B		61491	SCHABINGER J R	51930
SASTRY K S M	9249	SAUERLANDT W	40058		4619	SAXON E A	35691	36273	SCHACHT H	45719
	27338		40384		57685	SAXON P H	16644	16645	SCHACHT U	10271
SASTRY L V L	10026	SAUER MILCH W	108879			SAXSENA H K		68980	SCHACHT W	77219
	16050	SAUERWALD H	62198		57492	SAXTON H		7711	SCHACHTSCHABEL P	11291
SASTRY M S	3494	SAUFLEY Z	65817		56550	SAY J S	10831	49233		101757
SASTRY P S	69302	SAUGEN B F	80765		1703		69909	69910	SCHACK G	15074
SASTRY S V	78726	SAUGER L	80765		57740	SAYAGAVAR B M		28130	77601	86766
SASTRY T G	69039	SAULMON E E	103859		23339	SAYANOVA V V		10254		86705
SASU V	31408		103860		87499	SAYAR H Z		54881	SCHACKLETTE H T	9355
	32006	SAULNIER-BLACHE P	55009		40	SAYED I F		62715	SCHACTER M	14884
SASVARI Z	103491		89676		67981	SAYED M N K EL		37902	SCHAD G A	82845
SATAPATHY N	61674	SAUMWEBER W	4505		88547	SAYED M T	83886	84049	SCHADE F	45031
SATAMA M	71861		85400		40			84050	SCHADEREIT G	38852
SATCHELL J E	5422	SAUNDERS A D	108113		86386	SAYED M T EL		63584		108541
	11154	SAUNDERS B	22370		102523			63657	SCHAEFER A E	98377
SATCHUTHANANTHAV-		SAUNDERS B G R	108619		18201	SAYIGH Y		108033		98382
ALE R		SAUNDERS B S	54880		71440	SAYIN F	3583	92734	SCHAEFER C H	53284
SATHE B S	52205	SAUNDERS D H	75682		76926	SAYLE J H		85627		73772
SATHER G E	4715	SAUNDERS D S	95079		48176	SAYLOR J		96837	SCHAEFER C W	14764
SATHER L A	24930	SAUNDERS F B	3425		82651	SAYLOR L G	2843	12122		95249
	85865		45883	62090	70255	SAYN-WITTGENSTEIN		2743	SCHAEFER J P	104219
SATHIAMURTHI T K	17460		97874		13730	L		102489	SCHAEFER K	43153
SATHIA R	53547	SAUNDERS G	90777		56551	SAYRE G		88191	SCHAEFER L	94404
SATHIA R C	105670	SAUNDERS G W	14100		13127	SAYRE R M	77976	88943	SCHAEFER R	2174
SATO A	4414	14141	42626		109034	SAYRE R N	4593	13862		70396
	22227	105168	107956		68719	25880	25881	55448	SCHAEFFERS G A	14206
	51282		78308		58803	SAZANOV V I		10373	SCHAEFFER G W	1179
SATO C	86764	SAUNDERS J H	89303		75453		28529	38744	SCHAEFFER P	95344
SATO D A	81126	SAUNDERS J L	83460		90061	SAZANSKII A I		86765	SCHAEFFER R	30465
SATO F	1491	SAUNDERS J R	41676		53202	SAZAWA H		4226	SCHAEFFER R J	20301
SATO G	31857	SAVOLAINEN A	51929		27048	SAZANOV N		5963		20745
SATO H	53113	SAVONLAHTI A	13553		25325	SAZANOV P V		83189	SCHAE B	15774
	92741	SAVOPOL L	73671		69908	SAZANOVA G V		68090	SCHAE E	10650
SATO I	79620	SAVORY B M	13225		101878	SAZANOVA L		90558		23465
SATO J	108383	SAVORY J G	41358		50743	SBERNARDORI U		3883	59597	65547
SATO K	2454	SAVOS M	57200		12294			13013	SCHAEFFENBERG B	53153
	20744	SAVOSTA V S	27104		47161	SBIEREA A		61561	SCHAEITZ F	3685
	28810		50136		37335	SBUR D E		42741	82277	92410
	37332	SAVOV	103649		99485	SCABARDI L	43782	91883		103863
	63804	SAVOV A	95996		104393	SCAGEL R F	89038	99797	SCHAFER	84356
	79440	SAVOV D	86455		105219	SCAGLIONI O		96187	SCHAFER B	6997
	91157	104431	67046		104343	SCALFE A		28695		65747
SATO M	4414	SAVOV M	92546		107548	SCALES J W		103862	SCHAFER E	27340
	10203	SAVOV N	38982		92435	SCALLA R		27339	SCHAFER E H	76927
	37768	SAVOV N	38982		31437	SCALLET B L		16090	SCHAFER E R	40984
	53283	31438	37901		103327		16456	45334	SCHAFER H	3041
	83701		90323		103861	SCALVI G		32522	83662	93508
SATO O	29258	SAVOV T	29532		82875	SCAMONI A	18469	57485	SCHAFER J	39583
SATO S	24083	SAVOYE G	59164		81850	SCANDAVI G		26692	SCHAFER J F	10318
	33611	SAVRASOV A S	27458		13320	SCANLAN J	86392	86407	18759	19489
	40666		7381		51547	SCANLAN J J		35288		38755
	56049	SAVU M	58973		75491		45249	66109	SCHAFER K	15075
	82585	SAVULESCU D	53498		8871			66110		54844
	84421	SAVULESCU I A	23023		57322	SCANLON E H		1890	SCHAFER L C	54585
	84848	SAVVATEEY K A	30409		52279	SCANLON J E		5259		51931
SATO T	4178	SAVYTSKYI K A	101836		28156	SCANNELL R J		90450	SCHAFER M L	24860
	10144	SAVZDARG E E	4121		105310	SCAPACCINO G		16740	SCHAFER R L	2126
	37885		62774		3881		16741	27105	SCHAFER W	13354
		SAWA T	97366		97367		45718	56319		81851
SATO U	63317	SAWADA E	57484		58848		76190	108327	SCHAFER G	49894
	104906	SAWADA I	49944		39060	SCAPACCINO M		41197	SCHAFER H E	5314



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
SCHAIBLE P J-CONT 22580	SCHEDL K E 23618	SCHUEHRMAN R W 108194	SCHIMITSCHEK E 88023	SCHLEUSENER P E 3483	
52066 52067 92841	43022 83887	--CONT 88024	--CONT 88024	SCHLEUSENER R A 23980	
SCHACH E 1319	87934 94952	SCHUEHRMANN A 84551	94481 98622	SCHLEUSENER W 59875	
SCHAIK T F S M 67431	SCHEDL O 87379	SCHUEHRMANN W 100427	SCHIMMEL D 30985	SCHLEYER H 19280	78421
SCHAIRER E 11209	SCHEDL W 94479	SCHUEFLER H 92966	SCHIMMELPFENG H 49092	SCHLICHTING E 11605	
SCHAIRER L A 1203	SCHMETJE R 96021	SCHUEMANN W 88192	78752 106314	SCHLICHTING H E 57486	
SCHALAPFER T 14668	SCHMEL J K F A 9133	SCHUEMANN W 3264	SCHIMMELPFENNIG K 3266	SCHLICHTING M 70015	
SCHALCK J 51142	SCHMEL L D 28377	88021 88022	SCHIMMING B B 80643	SCHLIENTZ W 59067	
SCHALE S 51143	SCHMEERS G E 72756	SCHUEUNEMANN H 66093	SCHIN K S 106101	SCHLIEPE W 59072	
SCHALES F D 27567	SCHMEER A H 79441	SCHUENERT C A 67545	SCHINCKEL P G 4333	SCHLIEPHAKE D 7504	
50213 59877 69973	SCHMEER B T 63831	SCHUEUR J 34814	52435 93714	7507 55927 55928	
69974 70017 70035	SCHMEER C D 56320	SCHUEUR S 95243	104612 107142	55929 86487 107941	
70036 70037 70681	SCHMEERPELTZ O 33120	SCHUEVEN B 22878	SCHINDELKA H 72482	SCHLIESSER 4227	
101405 101406 101407	105672	SCHUEWICZ R 104764	SCHINDLER A 13128	SCHLIESSER T 82279	
SCHALK A 7618	SCHUEFCZIK J 67907	SCHUEYS G 20580	SCHINDLER A K 77035	SCHLIESSMANN D J 94213	
SCHALK C 22768	SCHUEFER W 25244	SCHIAVI A 64087	SCHINDLER B 10971	SCHLIMP G 85329	
SCHALKWYK A P VAN 72091	SCHUEFFEL H 94776	SCHIAVO A 31967	67615 75181	SCHLINGER E I 5472	
SCHALL E D 13772	SCHUEFFER F 27558	31985 104428 104433	SCHINDLER D E 84641	105905	
59021 85532 107101	48381 60092	SCHIB K 15173	SCHINDLER G 21638	SCHLIWA W 33506	
SCHALL S 97765	100426	SCHICK M S 99020	SCHINDLER H 82538	SCHLOESSER P 26539	
SCHALLAU C H 4914	SCHIEFFER R P 99486	SCHICK R 1619 16844	82543 82544	SCHLOR M 30715	
56694 80951	SCHIEFFER T C 40858	33583 53658 53731	92967	SCHLORER G 5335	
SCHALLER A 6743 74450	SCHIEFFER W J 34824	88944 108465	SCHINDLER R 92968	SCHLOSSBERGER-RA- 73878	
SCHALLER C W 10374	SCHIEB D 104432	SCHICK W 6128	53046 71309	ECKE I 27222	
28495 100425	SCHIEB-PFLEGER D 72658	SCHICKE P 59960 78751	SCHINDLER U 51582	SCHLOSSER H 80025	
SCHALLER F 33118 33506	SCHIEBE K 59985	SCHICKER R 26060	72274 82277	SCHLOSSER-SZIGAT 1415	
53588 77033 106152	SCHIEBER G 42430	54423 66005	92410 92411	SCHLOSSMANN K 33431	
SCHALLER G 95241	76985	SCHICKER A 54735	SCHINK H 107940	SCHLOTE F W 105712	
SCHALLER W N 16553	SCHIEBLICH R 24546	SCHICKETANZ W 51473	SCHINK H 40276	SCHLOTS F W 61048	
86895	SCHIEBLER G 65842	52049	SCHINKEL W 48986	SCHLOTTER H G 56361	
SCHALLIBAUM R 77034	SCHIEDE J 25882	SCHIDLOVSKY G 100428	51934 51935	106684	
SCHALLIBAUM U 34387	SCHIEDECKER D 69040	SCHIDT-NIELSEN K 92133	62365 62366	21312	
SCHALLOCK D A 29339	SCHIEDER F G 41833	SCHIE J J VAN 20388	82278 103865	72428	
SCHALM D W 22327	SCHIEDER I 69816	70775 90824	SCHIEPU B 26844	103985	
41618 41677 41678	SCHIEDING U 88020	SCHIEBER E 10027	56071 56501	93207	
41679 52048 62182	SCHIEDY S F 41359	37337 37522	SCHIOPU D 29847	40278	
62635 92744 104036	SCHIEER S C 75135	1620	SCHIOU C R 51933	95750	
109062	SCHIEFELE M 81026	10500	SCHIPKE J H 16161	60848	
SCHALSCHA E B 70321	SCHIEJGROND W 79345	SCHIEBLICH M 36516	SCHIPMAN H 53685	36965	
SCHALT W 16875	SCHIEIN M W 3322	SCHIECHTL M 61165	SCHIPPER C J 41681	86026	
SCHAMS D 12791	SCHIEIN R D 968	SCHIECK H 97766	6391 41681	30080	
SCHANDERL H 1180	68068	SCHIEDT E 7832	SCHIPPER I A 42325	70234	
34269 71544 106850	SCHIEINBERG S L 27918	SCHIEFERENZ J 97594	42326 51934	49267	
SCHANDERL S H 55387	SCHIEINER A 51932	SCHIEFLOE P D 34444	51967 62365	9615	
SCHANDL J 12523 13751	105132	SCHIELE E 80124	82278 103865	59244	
22769 52404 62138	SCHIEIRING H 11977	SCHIELE H 3923	SCHIPPERS B 27341	10501	
92238 104744 104745	SCHIELD H W 413	SCHIELEMANN 17418	SCHIPPERS P 76084	79346	
SCHANK S C 78119 89476	SCHIELHAAS H 26939	SCHIELEMANN E 57319	86767	83899	
SCHANS P VAN DER 56878	85427	SCHIELEMANN R 3079	SCHIPSTRA K 39551	83891	
SCHANTZ M VON 69303	SCHELKO J D 47072	12516 21788 32143	57833 68203	67854	
SCHANTZ-HANSEN T 50893	SCHELL J G 24043	51429 82484	SCHIRDEWAHN F 21915	46048	
SCHANZE 4280	SCHELLEKENS A F C 80695	SCHIER W 139	SCHIRMEISEN D 51590	108466	
SCHANZEL H 3686	SCHELLENBERG A 96319	SCHIERBAUM F 43941	3884	59192	
42068 61722	SCHELLER G 108207	SCHIERE C 74724	SCHIRMER R G 41360	8506	
SCHAPITZ F 77547	SCHELLER H 4470	SCHIERLING C A 70217	SCHIRREN C G 27447	1182	
SCHAPPEL J W 15863	SCHELLER K 16742	SCHIERMAN L W 13434	SCHISCHKIN B K 36742	50130	
SCHAPPER H P 7795	SCHELLING J 81679	SCHIERSMANN G 63143	18108	90825	
80214	SCHELLNER G 32391	SCHIESSL G 68466	58864 60490	71661	
SCHAREN A L 9132	32392	SCHIFANI C 34683	SCHIEWECK H 68486	21081	
47370 47371	SCHELPE E A 36668	SCHIFF B L 52812	SCHIEWEK G K 4987	60955	
SCHARF A D 69847	SCHELPE E A C L E 91741	SCHIFF J A 38584	63779	107969	
SCHARF H 55675	SCHELTINGA H 60820	58994 59066	SCHJERNING-THIES- 51936	27329	
SCHARF S 82543	102369	SCHIFF L 79978	EN K 103329	68291	
SCHARF S S 80749	842	SCHIFFER W 15174	SCHJERNEN L 13129	70776	
SCHARFE J 97524	SCHEN-2SIN-PU 18355	SCHIFFO H P 3972	SCHJODT R 2920	102223	
SCHARFEN E 83096	SCHENCK A 54882	62537	SCHLAFF S 3885	70578	
SCHARFENSTEIN O H 24336	SCHENCK G 38624	46568	71801 92745	26352	
C 24491 44668 65512	SCHENCK N C 438	SCHILD E 86025	SCHLAFLI A 38385	5197	
65513 74418	67748	SCHILD U 35074	SCHLAFMAN I H 53973	23901	
SCHARFF D 50811 58666	SCHENDEL U 48382	SCHILDER F A 14397	SCHLAGER H 50138	84179	
SCHARFFENBERG J A 17239	SCHENK 46618	SCHILDERINCK J H 7382	SCHLAGHAMERSKY A 81329	30986	
SCHARK A E 69997	SCHENK J A 105398	F 108035	SCHLAGHECKEN A 75977	40178	
SCHARLOO W 23697	SCHENK W 48615	SCHILDKNECHT H 5423	106233	12706	
SCHARNER E 81852	SCHENKEL E 96754	5545 19140	46602	51678	
SCHARPENSEEL H W 49755	SCHENKENBERGER C 45875	23523 83746	SCHLANBUSCH F L 6602	71962	
60164 102287	E 4757	8483	VON 65749	81947	
SCHARPF L G 75763	SCHENONE H 86071	SCHILDMACHER H 64968	SCHLANDT K 97471	95666	
75786	SCHEPARTZ A I 7161	SCHILFARTH H 107487	SCHLANITZ F 73878	18024	
SCHARPF R F 26793	SCHEPER J 77929	SCHILKE P 46063	SCHLASSBERGER-RA- 73878	96320	
59984	SCHERPERS A 54117	SCHILLAK R 49756	ECKE I 27610	12706	
SCHARTZ E 78755	SCHERAGA H A 23804	SCHILLER A G 13260	SCHLATZER G 71285	51678	
SCHASTNAYA L S 11398	SCHERBA G 47800	103328	SCHLEBECK J T 10256	71962	
SCHASTNEV N 56727	SCHERBAKOV V K 89917	44826	SCHLEE D 31158	81947	
SCHATTNER F 12705	SCHERBAKOVA E YA 57644	SCHILLER G W 107518	SCHLEGEL H 12524	95666	
SCHATTNER M 66844	SCHERER G 14562	SCHILLER H 60165 64310	34934	18024	
SCHATTNER W C 12435	SCHERER L 84423	79621 82013 85124	SCHLEGEL H G 10028	96320	
SCHATZ 98240	SCHERER O 29340	SCHILLER K 3265 32393	97525	27106	
SCHATZ A 70320	SCHERER W F 94211	SCHILLER O 16845 27164	SCHLEGEL W 5728	35290	
SCHATZ V 70321	SCHERER W F 64680	84769 87284	32362 32394	65941	
SCHATZKE M 106323	SCHERLE R 35289	SCHILLER P 74649	104793 104907	74039	
SCHATZMANN R 17445	SCHERMERHORN E P 3402	SCHILLER R 5880	SCHLEGEL W A 18036	100580	
SCHAUB H 1404	SCHERNER A 5995	SCHILLER W 98840	SCHLEHUBER A M 1181	100731	
SCHAUB M K 27036	SCHERPENISSE J G 5700	SCHILLING A D 3495	1473 19561	63780	
SCHAUENBERG P 77602	SCHERTZ C E 15172	SCHILLING E 92352	58451 59195	18193	
SCHAUER H 100689	9505	SCHILLING G 60489	SCHLEICHER H 40519	88037	
SCHAUER W 102392	78628	SCHILLING G A W 8276	SCHLEICHER J 31741	6826	
SCHAUFELBERGER P 80193	84969	98317	SCHLEIDT W 94664	71103	
SCHAUFF J 103864	SCHERY R W 10499	SCHILLING H 16846	SCHLEIMINGER K 44266	102224	
SCHAUFFLER A F 104937	35335 49244	87698 106628	SCHLEINZER K 86897	61371	
SCHAUMANN W 70893	49246 69911	108329	SCHLEITER H 52642	100854	
92047	90452	SCHILLING W 30225	SCHLENCK G 108114	58819	
SCHAUVLIEGE M 83153	SCHETTINO D 64744	SCHILLINGER J A 27049	SCHLENDER K K 68716	15117	
SCHEBITZ H 3982	SCHUECH 7050	105220	SCHLENK H 19310	9415	
62630	SCHUECH F 16149	SCHILT H L 44419	SCHLENKER G 91599	101026	
SCHECHTER M S 24469	25726 44957	SCHILT P 34323	SCHLESE G 6669	20551	
73471	65748 75467	SCHILTZ P 369	SCHLESINGER F 15992	104195	
86023	86024	SCHIMAN-CZEIKA H 26830	SCHLESINGER J S 25727	55807	
SCHECHTNER G 11604	1442	SCHIMITSCHEK E 23407	80414	100429	
90181 101574	48616	27559 63367	SCHLEUSENER J 51102	102282	
SCHECKER H 22372	49307				
SCHEDL C 61366	SCHUEHRMAN R W 49307				



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
SCHMIDT C H 4761	SCHMIDT-KOENIG K 13599	SCHNEIDER D--CONT 42883	SCHOENLEBER L G 95880	SCHOORL P 97368	
42472	42103	53114	97189	SCHOOTS G S 92954	
SCHMIDT D 3403 4535	SCHMIDT-LORENZ W 44616	SCHNEIDER E 10834	SCHOENTAL R 92971	SCHOPF J M 17554	
63340 93882 104810	66111 66112 66113	13130	SCHOEPPER W 21167	SCHOPF M 26298	
SCHMIDT D A 42257	SCHMIDT-MENDE P 38370	SCHNEIDER E C 43409	SCHOFENSACK O F 84891	SCHOPFEL 92240	
82939	SCHMIDT-NIELSEN K 92133	7503	SCHOFF H F 42412	SCHOPFER W 21136 30120	
SCHMIDT D G 24861	103331	7505 7507		30264 40700 71116	
96443 96444 96445	SCHMIDT-SAGODY L 108115	14563 20070 20071	SCHOFFIELD-PALMER E K 19087	102494	
SCHMIDT E 12425 27223	SCHMIDT-TREPTOW 17420	38388 39282		36450	
51430 87076 88812	17421	39283 49247 53285	SCHOL-SCHWARZ M B 88025	46586	
SCHMIDT E B 26517	SCHMIDT-TREPTOW W 41361	55927 55928 55929		55350	
35518	A 51590	55930 86488 105673	SCHOLANDER P F 100430	65060	
SCHMIDT E D 74092	SCHMIDT-VOGT H 12123	SCHNEIDER F L 32287	SCHOLCH H F 57645	74906	
106325	61168	SCHNEIDER F M 8500	SCHOLDA R 59068	97369	
SCHMIDT E L 2237	SCHMIDTKE D 52050	SCHNEIDER G 9357	SCHOLE J 55483	25729	
SCHMIDT F 41814 43484	SCHMIDTKE H O 52050	59073	SCHOLER H J 62168	64895	
44669 51589 52562	SCHMIED M 90182	29516	SCHOLDS J H 73498	66695	
52563 64311 92783	SCHMIEDCHEN A 66314	63621	SCHOLFELD C R 35153	39667	
92853 92969 92970	SCHMIEDENKECHT M 27145	12124	SCHOLL J 59377	47888	
SCHMIDT F H 48383	SCHMIEDEL H 21044	60395	SCHOLL J C 106798 107942	17782	
SCHMIDT F M 80317	SCHMIEDEL L 25728	18375		34186	
SCHMIDT F W 34115	SCHMIEDEL R 42491	77930	SCHOLL J M 3458 31180	8484	
67359 67360 74650	SCHMIEDER W 107519	47592	59948 70506 101544	5199	
SCHMIDT G 23044 28159	SCHMIEGE D C 53013	103238	21028 21029 40374	53418	
30998 38077 43225	SCHMIEL M 8126	106629	50429 70875 80766	44101	
53171 53449 70617	SCHMIT J A 75673	93027	SCHOLTEN G 27225 27226	79439	
81067 93005 98623	SCHMITTERLOW C G 42113	19691	27227 27228 27229	97221	
102034 102585 105764	SCHMITT G 84890 107768	83069	37340 37341 37342	34612	
SCHMIDT G H 24070	SCHMITT H 74093	47163	37343 37344 37345	85628	
42209 62211 62460	SCHMITT J B 23961	97767	88814 99488	107192	
84103	SCHMITT L 60233 78753	13131		95853	
SCHMIDT G J 33675	98464	SCHNEIDER P A 7506	SCHOLTEN J A 12238	79783	
SCHMIDT G W 21028	SCHMITT N 18C25 47162	SCHNEIDER R 7506	SCHOLTEN T H 83989	21241	
21029 30069 40374	106664	103972	SCHOLTENS R G 3268	32636	
50429 70875 80766	SCHMITT R A 61305	SCHNEIDER U 140		56161	
SCHMIDT H 5545	91398	SCHNEIDER V 54182	SCHOLTISSEK C 52276	48944	
26130 32912 40787	SCHMITT R J 106566	3310	SCHOLTYSECK E 52283	73581	
54266 63718 102912	28160	SCHNEIDER-MINDER 83988	SCHOLTYSEK S 41902	76637	
SCHMIDT H B 77926	38386 39281	SCHNEIDERMAN H A 23524	SCHOLZ 87001	1986	
94263	SCHMITT R P 97813	SCHNEIRLA T C 3322	SCHOLZ A 91301 102225	55056	
SCHMIDT H E 6724	SCHMITT R R 25245	32168 33339 41799	SCHOLZ E 40592 57646	102844	
27297 74805 87771	75566	SCHNELL F W 46526	SCHOLZ F 92668 92669	97768	
SCHMIDT H H 108918	SCHMITT DIEL E 72997	SCHNELL R 18642	SCHOLZ G 75957 108745	58332	
SCHMIDT H W 38853	SCHMITTEN F 62139	47801	SCHOLZ H 41668 54179	78755	
65089 73430 41943	56695 56696 56756	21618	56120 81330	9506	
SCHMIDT J 41488 41943	SCHMITT W 62023	40775	SCHOLZ H D 62902	28163	
SCHMIDT J R 5315	SCHMITTENNER A F 92239	SCHNELLBACH O 43410	SCHOLZ H F 81169	19354	
SCHMIDT J W 87148 108455	SCHMITTENNER W 12708	SCHNELLE F 47163	SCHOLZ I 64208	66030	
852 18745 38703	SCHMITTLE S 104434	SCHNELLE G B 104038	SCHOLZ J 16847 51446	41442	
SCHMIDT K 1621 14894	SCHMITTLE S C 82773	SCHNELLE W 62538	SCHOLZ J J 24811	98953	
21094 41247 53974	97373 104425	SCHNEPEL W 60956	SCHOLZ K 51990 92670	59876	
69569 70917 71037	SCHMITTNER S M 83987	SCHNEPE E 712 27611	SCHOLZ M 48463 88869	28023	
71038 71311 72996	SCHMITZ A 18470 20295	37769 68564 99981	SCHOLZ S 23981	3269	
SCHMIDT K H 4471	SCHMITZ D K 31130	SCHNETZLER J C 95345	SCHOLZE E 53083	12710 71802	
SCHMIDT K J 7161	SCHMITZ F 45749 91399	SCHNEUWY J 4989	SCHOLZE O 4990	SCHREIBER K 38625	
SCHMIDT L 22789 45602	SCHMITZ G 15422	SCHNEYDER J 44234	SCHOLZEL C 71409	48617 59073 69293	
SCHMIDT L H 4758	SCHMITZ H 95054	65000 85120 85156	SCHOLZEL S 12418	69304 89918 89919	
SCHMIDT M 8956	SCHMITZ J 44687 45603	SCHNICKER J L 27414	SCHOMAKER C E 50677	100690 100691	
SCHMIDT M G 1891	SCHMITZ R 26794	SCHNIEDER E 78754	SCHOMAKER P K 56502	SCHREIBER L R 30411	
10832 10833 39280	SCHMITZ W 57320	SCHNIEDER K T 26845	SCHOMER H A 6751	37346	
SCHMIDT M L 5315	SCHMOCK F 43485	SCHNIER I 101082	6916 44786 44787	50907	
SCHMIDT N 38983	SCHMOLZER K 73497	SCHNIER I 101082	55136 65623 85866	61169	
SCHMIDT N C 11314	SCHMUCKER K 73431	SCHNIER I 101082	SCHON E 85856	SCHREIBER M H 72654	
SCHMIDT N O 26292	SCHMUCKER M L 25841	SCHNITTKE J A 45708	SCHON L 7171 65892	SCHREIBER M M 73163	
SCHMIDT O 26308	SCHMUCKER T 88023 98492	87629 108330	75526	SCHREIBER R 30821	
SCHMIDT O A 21523	SCHMUTTERER H 47680	SCHNITZER M 2291	12125	51447 61675	
61397 70930	101347	2292 49757 80069	SCHONBECK F 40668	SCHREIER 77603	
SCHMIDT P 52623	5315	101758	SCHONBECK H 88654	SCHREIER O 13983 57834	
98564	SCHMUTZ E M 11097	SCHNORR H 80415	SCHONBECK F 8453	83358 83359 94338	
SCHMIDT R C 92746	SCHMUTZ J 79046	SCHNURRENBERGER P 41362	SCHONBERG F 8485	SCHREINER U 24045	
SCHMIDT R E 58513	SCHMUTZ R 46207	41363 42327	8485	SCHREITER M 7998	
90595	SCHMUTZ W 38387 58850	SCHOBEL A 76706	SCHONBERG J 94016	SCHREITLING K T 46964	
SCHMIDT R H 60093	SCHMUTZ W G 103592	SCHOBEL B 96384	SCHONBERG W 80070	SCHREMMER E 35966	
SCHMIDT R R 1355	SCHMUTZLER W 3002	SCHOBEL C 63506	SCHONBOHM E 19141	SCHREMMER F 64044	
47944 68679	12242 12426 71413	SCHOBEL R 70016	SCHONBORN A 12126	32395	
SCHMIDT S W 15359	SCHNABEL 87001	SCHOBEL R 2779 2780	SCHONBORN W 5053	97679	
SCHMIDT S C 81632 103330	SCHNABEL K 85527	12035 24931 24932		25570	
8277	SCHNABEL R O 46906	34390 41682	SCHONBRUNN A 15520	SCHRETZENMAJR M 21044	
SCHMIDT T 88813	SCHNABEL W 87077 87078	54539 54540 54541	SCHONE G 3676 92539	SCHRETZENMAYR M 61043	
SCHMIDT U 70617	87079 108406	61091 65090 81068	SCHONE I 48334	SCHREUDER G F 46655	
SCHMIDT V 13238	SCHNAIDER Z 73321	81069 85330 102729	SCHONEMAN H 29952	SCHREURS J 98780	
SCHMIDT V M 9356	73322	SCHOBEL A 3267 75138	SCHONER C 103593	SCHREVEN D A VAN 11358	
SCHMIDT W 3887 9899	SCHNATHORST W C 9178	SCHOBEL P 101826	SCHONEVELD J A 19208	70397 80071	
10412 16554 32362	28161 37338 78414	SCHOBEL C 93749 104763	SCHONFELD H 73974	SCHRICKE B 42819	
45720 50906 55926	SCHNEBERGER G L 16125	SCHOGH G A 69912 69913	SCHONFELD I 1006	SCHRICKE R L 82614	
61166 81165 81166	SCHNEE M 49489	SCHOGH R 84689 95968	SCHONFELDER B 70218	SCHRIEMER W H 16061	
81167 98185 102728	SCHNEEGUTH-CUGAT C 75137	106425	SCHONFELDT N 24612	SCHRIIMP F K 28530	
SCHMIDT W E 103103 109278	SCHNEEWEISS H 60276	SCHOCH T J 36448	SCHONHAR S 2805 30410	SCHRIER H H 46330	
1892	SCHNEEWEISS G 30743	84814		91600	
SCHMIDT W J 43294	61596	SCHOCH W 107102	SCHONHERR J 36516	SCHRODER C A 1622	
68563	SCHNEEWEISS R 34935	SCHODDER F 43607	53018 83892	SCHRODER E 15076	
SCHMIDT-BERG-LOR-ENZ S 97462	SCHNEIBLE S R 73108	SCHOFF R W 6532	SCHONHERR W 21313	SCHRODER G 10502 12832	
SCHMIDT-COLINET W 61167	SCHNEIDAU R E 16250	25099 35143 96695	51949 61771 62368	40059 90183	
SCHMIDT-HOENSDOORF 109110	SCHNEIDAWIND H 75611	SCHOEIKE R E 10029	82318 83069 91961	SCHRODER H 84252 89678	
F 52199 103520 104290	SCHNEIDER A 2937	SCHOELLER J 43108	SCHONI E 4991 94568	SCHRODER I 32526 34493	
SCHMIDT-HOENSDOORF H 3687	82533	43109	SCHONNAMSGRUBER H 12067	34494	
SCHMIDT-KOEHL W 14880	SCHNEIDER B 4126	SCHOEMAN J P 71421	SCHOOF A 107520	SCHRODER J 82955	
	13554 13863 43635	SCHOEN P 22883	SCHOOF H F 5355 14031	56146	
	59107 72600 80267	SCHOENAEERS F 62367	32682 63484 94061	108162	
	82589 84553 91781	72275	SCHOOL W 30069	92538	
	SCHNEIDER B H 22034	SCHOENE H 31440	SCHOOLER A B 853	11670	
	22782 41520 42150	SCHOENEMANN J 17342	854 19533	SCHRODER O 54267	
	52199 103520 104290	SCHOENEMANN J A 70156	SCHOOLEY J B 9616	SCHRODER V N 1183	
	SCHNEIDER C L 28162	SCHOENENBERG 100581	SCHOONBEE W S 23525	SCHRODER W R 35443	
	99487	SCHOENEFELD S 26309	SCHOONOVER C 22080	SCHRODT W 55120	
	32948	45355	SCHOONOVER C O 86171	SCHROEDER C A 28164	
		SCHOENHERR W H 14249	4596 13132	38175 79538	
		SCHOENIKE R E 50676	61877	SCHROEDER C H 88678	
		SCHOENIKE R L 21205	SCHOOR G H VAN 38137	SCHROEDER D 1893	
			SCHOOR G VAN 38389	10030 20072 63285	
				70618 102036	



SCHROEDER D B	51144	SCHULTE K E	28379	SCHUMACHER C M	69585	SCHWABE G H	39806	SCHWEIZER H--CONT	56216
SCHROEDER G	12031	44821 100692	SCHUMACHER E	32716	SCHWABE H	8128	SCHWEIZER MRS C V	17423	
	80952	SCHULTE V S R	8337	41364	SCHWABE U	73072	SCHWEIZER R	62168	
SCHROEDER H	109175	SCHULTE W 64619	97146	16150	SCHWABE W	73109		72277	
SCHROEDER H O	14207	SCHULTE-KARRING H	11680	16151	SCHWABE W W	28166	SCHWEMMLE J	18766	
	105054		11772	50751	27727	69134	19144 38392	47907	
SCHROEDER H W	23375	SCHULTES R E	67868	8810	SCHWAIER R	58474		89679	
28165 47372	55351	77403 77404	88380	48489	SCHWAIN F R	6219	SCHWENCKE M W	106	
55352 65760	107521		98841	89058	SCHWALL D V	107840	SCHWENCKIA	106	
SCHROEDER P	5701	SCHULTHEISS W	34116	4759	SCHWAN B	13967	SCHWENDIMAN J L	2432	
	104514	SCHULTZ A M	49823	9759	SCHWANECK G	44420	SCHWENDINGER W	25035	
SCHROEDER P B	3329	SCHULTZ C 30987	107103	58851	SCHWANITZ F	28167	74725 74854	85487	
	7796	SCHULTZ E 12711	98628			78309		106942	
SCHROEDER P H	37523	SCHULTZ G 1184	10549	SCHUMACKER R	17897	SCHWANKE R	108036	SCHWENGSBIER L	40424
85408	88945	22750 38391	46470	SCHUMANN B K	6349	SCHWANN J	72276	SCHWENKE W 14283	63368
SCHROEDER R	21497	SCHULTZ G A	83804	SCHUMANN D	82389	SCHWANN T	27544	73323 73324	83570
	40975	SCHULTZ G O	63009	SCHUMANN D 82389	100580	SCHWAR C	48388	88026	94482
SCHROEDER R J	12949	SCHULTZ H	17326	SCHUMANN D N	10836	SCHWARK H J	103935	SCHWENKER G	86319
	51937	SCHULTZ H B	10972	SCHUMANN H	2749		103936	SCHWENKER R F	25248
SCHROEDER W	43542		57835	33192 42538	52154	SCHWART R B	108097	SCHWENKER R F	34552
43713 62276	106218	SCHULTZ H W	44051		73672	SCHWARTE L H	83070	SCHWENTKER V	31735
SCHROEDER W E	8127		84833	SCHUMANN K	47539		83071	SCHWENZNER J E	26291
SCHROEDER W J	32919	SCHULTZ J	71803	SCHUM H R	42266	SCHWARTING A E	38626	SCHWER J F	90639
	83563	SCHULTZ J R	21814	93750 97915	104948	48576	58965	SCHWERDT K	29798
SCHROEDER W T	90538		22647	SCHUM H	24158	SCHWARTZ A	74466	SCHWERDTFFEGER F	1185
	100027	SCHULTZ K	36501	SCHUMMER	24200	SCHWARTZ B M	17019	30445 33121	53048
SCHROER F	79989	SCHULTZ L	106234		84637	SCHWARTZ C	66364	68069	105055
SCHROEVERS P J	17864	SCHULTZ L H	31441	SCHUMMER M	87232	SCHWARTZ C W	10837	SCHWERDTFFEGER G	7325
SCHROFFEL J	22224	72061	72120	SCHUNK R	20357	SCHWARTZ D	47906		87501
SCHROO H	2175	SCHULTZ R	85539	SCHUNKE U	15263	68646	100079	SCHWERDTFFEGGER H	54034
	29635	SCHULTZ R W	25247	84625	84626	15649	15649	SCHWERDTNER E VON	66504
SCHROTER A	82339	SCHULTZ T E	66902	95947	95948	24862	54526		66926
SCHROTER H	61372	SCHULTZ T H	6918	SCHUPBACH C	42827	65081	74806	SCHWERIN K H	17020
SCHROTER H B	38598		25372	SCHUPHAN W	1416		12193	SCHWERTMANN U	80072
48618 79074	89920	SCHULTZ T W	66696		74451	SCHWARTZ E	80644	SCHWERTNER E	30988
SCHROTER J	13864		97769	SCHUPPE E	101234	SCHWARTZ H M	59070		46209
SCHROTER W	70157	SCHULTZ V	109106	SCHUPPER J F B M	7956	SCHWARTZ J	55460	SCHWICHTENBERG A	82404
	87080	SCHULTZ W	107384	26940	87207	SCHWARTZ L J	19142		
SCHROTH M N	37404	SCHULTZ-VIERHOF H	69584	SCHURCH A	91884	SCHWARTZ L R M	36043	SCHWIER M L	107285
	77801	K	12295	SCHURIAN E	16244	SCHWARTZ T	98040	SCHWIMMER S	6758
SCHRUEN L W	74309	SCHULTZE G	51864	SCHURIG M	24144	SCHWARTZBECK R A	29343	6919	85831
	75468	SCHULTZE H	53977	SCHURMANN A	15917	SCHWARTZE C D	69706	SCHWINGHAMER E A	60218
SCHRUM J M	54699	SCHULTZE K	12296	17189 17190	36274	SCHWARTZKOPFF U	41011	SCHWINN F J	39553
SCHRYVER H F	13300	SCHULTZE-DEWITZ G	41174	55057 55121	65570	SCHWARTZMAN G	25652	47218	48390
	42048	30744	77446	75293	96839		74343	SCHWITULLA H	32637
SCHTOTTMEISTER V	31514	SCHULTZE-MOTEL W	61879	96869	96870		61801	SCHWOB R	7326
SCHUBART E	90184	SCHULTZE-PETZOLD	61879		52892		82403	SCHWOBEL W 30989	82976
SCHUBART O	14474	H		SCHURR K	9134	SCHWARZ	100757	SCHWOERER B	91679
SCHUBERT	87591	SCHULZ A	55336	SCHURZ J	30715	SCHWARZ A	106665	SCHYNS P	62903
SCHUBERT B G	77035		86000	SCHUSSNIG B	46965	SCHWARZ G	24863	SCIAIRONI R H	11538
	77277	SCHULZ A G	86244	SCHUSTER E	12454	SCHWARZ J	64693	20180 101418	108194
SCHUBERT G H	61101	SCHULZ C	6130		102413	SCHWARZ K	43535	SCIAARRA D	31587
	81037	SCHULZ C W	41875	SCHUSTER F	78196	48389	60666	SCIAARRA J J	24492
SCHUBERT H	52813	SCHULZ E	23569	SCHUSTER G	58102	91159	102226	SCIOARTINO G	22398
SCHUBERT J	81027	SCHULZ F	48386	SCHUSTER H	58085	SCHWARZ M	95346	SCIPLE R S	58333
SCHUBERT J E	98715	SCHULZ G	34445	SCHUSTER J	26981	SCHWARZ O	57321	SCIUBBA R	43856
SCHUBERT J R	51437		73975	SCHUSTER J L	47681		88382	SCIUCHETTI L A	37996
SCHUBERT O E	29341	SCHULZ H	3689		48899	SCHWARZ P	58472		38393
	29342	31858	51360	SCHUSTER K	6314	SCHWARZ R	22663	SCIUMBATA G	25327
SCHUBERT R	67258	SCHULZ H C	84624	65750 65751	65752	98591	105927	SCMEKEL J	3496
		SCHULZ H E	84624	67459 75469	86027	SCHWARZ W	30302	SCOFFO G	96634
SCHUBERT W	4516	SCHULZ J	51474	88006	97001	55931	69362	SCOFIELD W H	26640
SCHUBERT W J	2926	SCHULZ J A	42328	SCHUSTER K B	40917		97770	46049 56706	108631
	2927	SCHULZ J T	4828	SCHUSTER M F	23269	SCHWARZBACH R	97660	SCOGNAMIGLIO A	18404
SCHUBERT ZS L	61878	SCHULZ K R	42602	32792 63585	105221		106630	18405 37525	99713
SCHUBRING W	6943	SCHULZ L C	62369	SCHUSTER M L	414	SCHWARZE P	59071		99714
	55216	SCHULZ M	86768	18403 37524	90497	SCHWARZENBACH H	45605	SCOLARI A	31280
SCHUCH K	37471	SCHULZ M E	6419	SCHUSTER R M	36955	45606 56215	76336		31959
SCHUCH M	60694	24757 34446	44305	88453	99021	SCHWARZENBACH W	25538	SCOLCA V H	36966
SCHUCH W H	24437	44332 44377	65179	SCHUSTER R O	63658		44817	SCONYERS M	73183
SCHUCHARDT W	12509	85486 96525	108968		83779	SCHWARZENBERG A G	51312	SCOPES R K	25865
SCHUCKERT R J	94035	SCHULZ O K	81397	SCHUSTER V	91752	SCHWARZHAUPT	24337	SCOPOLI J A	42347
SCHUCKMELL N	73163	SCHULZ R	44192	SCHUSTER W	8519	SCHWARZHAUPT E	6129	SCORAILLE G DE	21030
SCHUDEL H L	2806	SCHULZ R K	20409	86684 100431	101027	SCHWARZWELLER H K	56728	SCORTESCU G	96446
SCHUDER D L	42788	SCHULZ U	35567	SCHUSTER W H	519	66524 76085	108807	SCORZA J V	53346
SCHUE L	66129	SCHULZ W	86318	SCHUT E S J	67185	SCHWECKE W M	6947	SCOSSIROLI R E	27760
SCHUERCH C	12243	SCHULZ-ENDERS A	84192	SCHUTTE A P	104039	34010	54122	37903	49009
50509	71564	SCHULZ-LANGNER E	83663	SCHUTTE E	36519	SCHWECKENDIEK O E	12688	SCOTCHMER H D	4453
SCHUERHOLZ H	106426	SCHULZ-SCHAEFFER	1526	SCHUTTE F	42628	SCHWEERS V H	29289	SCOTNEY D M	61224
SCHUFLE J A	101759	J	18644	SCHUTTE H R	10232		49307	SCOTT A	50812
SCHUH E	75958	SCHULZ-SCHOMBURGK	80416	10257 19368	28321	SCHWEERS W	46747	SCOTT A D	70219
SCHUH G E	26468	E		38598 48615	59069	SCHWEGLER W	108037	SCOTT A	18471
		SCHULZE	36517	98853 89921	100693	SCHWEGLER-SCHUMA-	42828	SCOTT D	27496
SCHUHMAN G	27230	SCHULZE B	67517	SCHUTTE J A	31442	SCHER N	53085	SCOTT D B	63586
SCHUHMAN H	4992	SCHULZE D	40813	SCHUTTE-DIKTE H	66845	SCHWEGMANN L M	71442	SCOTT D F	15264
	107248	SCHULZE E	59431	108467	108582	SCHWEIGART F	25713		106342
SCHUKKING S	12525	69641 69642	91158	SCHUTZ A	24931	74651 75470	107522	SCOTT D H	1810
SCHUL N W	26310	SCHULZE F	105335	SCHUTZ E	80303	SCHWEIGART H A	57105	49128	59651
SCHULBERG S	69361	SCHULZE F E	5927	SCHUTZ F	49118		67460	SCOTT E G	65425
SCHULE H	25326		84656	SCHUTZ J P	80986	SCHWEIGER A	54542	SCOTT E J	79952
SCHULENBURG G G V	75959	SCHULZE F W	90185	SCHUTZ R	31770		55442	SCOTT F E	34079
		SCHULZE G M	57488	SCHUTZ W	53864	SCHWEIGER E	28168		44018
SCHULENBURG L VON	67084	SCHULZE H	97069	SCHUTZ W D	16848	SCHWEIGER H	14398	SCOTT F H	49376
DER		SCHULZE J	48669	SCHUTZBACH W	20073		43023	69973 69974	70017
SCHULER	21206	SCHULZE K	83893	SCHUTZBAR W V	52607	SCHWEIGER H G	28168	70018 70035	70036
SCHULER E	86919	SCHULZE K H	88815	SCHUTZE J V	4102		100694	70037	85822
SCHULER K	61044	SCHULZE K L	43578	SCHUTZE K	81853	SCHWEIGER W	48901	101406	101407
SCHULER L	94955	SCHULZE L	2682	SCHUTZLER G	103333		61676	SCOTT F M	713
SCHULER S	49248	SCHULZE P	3270	SCHUTZLER H	3984	SCHWEIGERT B S	65893	SCOTT G A M	28169
SCHULER W	107944	SCHULZE P E	48619	SCHUTZSACK U	6218	SCHWEIGHART O	40079	68388 68402	68403
SCHULKE B	51591	SCHULZE R	8051	SCHUTZURMAN L E	34270	SCHWEIGLER W	60890		68404
SCHULL W J	23503		100812	SCHUTZURMANS C J	106718	SCHWEIKERT E	16251	SCOTT G C	11174
SCHULLER I	52282	SCHULZE W	13866	SCHUYLER A E	36912	SCHWEINFORTH H	84253		22529
SCHULLER P L	38622	32525 32526	36518		88381	SCHWEISFURTH K	65818	SCOTT G E	41422
SCHULLER W H	30681	45855 52643	63320	SCHUYTER J DE	68566	SCHWEISHEIMER C	96386	SCOTT G R	32527
	71533	72106	96696	SCHVSTER D	52963	SCHWEISHEIMER W	4994	SCOTT G W R	74007
SCHULLER W J	93612		64767	53047 94405	94406	7086 8360	26311		84399
SCHULMAN A	13865	SCHULZE W E	82698	SCHWAB B	16160	SCHWEISSING F	75527	SCOTT H	18350
SCHULTE	87285	SCHULZE-SCHOLZ I							



		ITEM		ITEM		ITEM		ITEM		ITEM
SCOTT H M	3888	27451	SEALE A D --CONT	86366	SEELEMANN M--CONT	96479	SEIFERT D	107308	SELL O E	82091
		52304	87208 104294	107289	96635 96636	96637	SEIFERT H	13868	SELL P D	36914
SCOTT J A	41270	41612	SEALS D	54183	SEELEMANN V M	62371	SEIFERT J	60219		88237
SCOTT J D		28737	SEALY J R	36913	SEELEY J F	7619	SEIFERT K	21465	SELL R	53949
SCOTT J D J		32217		67871	SEELEY J G	39284	SEIFERT L	5865	SELLAEG H	50547
	72757	74726	SEAMAN A	106921	SEELIG R A	20183	SEIFERT R M	8327	SELLAND A L	66365
SCOTT J E	65753	65754	SEAMAN D E	70158	SEELIGER H P R	67186	SEIFERT V	10186	SELLAR P W	8876
		79118	SEAMAN G A	52798	SEELIGER I	89560			SELLARS K C	103868
SCOTT J K	6470	74988	SEAMAN W L	27231	SEELY H E	102428	SEIFFERT K	6220	SELLECK W	39554
SCOTT J P	3322	41800		77802	SEEMANN H E	98781	SEIFFERT M	44556		68406
	81904	82356	SEARA C	79378	SEEMANN J	47164	SEIGER M S B	5530	SELLERIO S U	21914
SCOTT J T		45846	SEARAFIMOV S	104435	SEERS D	108038	SEIGNEURIN J P	87081	SELLERIO U	54325
SCOTT J W	50957	109078	SEARL R C	72998	SEETHARAMAN R	18761	SEIGWORTH K J	12129	SELLERS A F	103869
SCOTT K J	27197	55156	SEARLE A J	29478	SEETHARICHOVA L	13988	SEIKEL M K	51283	SELLERS K C	31068
	55193	68248	SEARLE C M	32852	SEFEROVICH G H	34080	SEIKI K	93510		41684
SCOTT K M F		14986	SEARLE P G E	101960	SEFFNER W	93344	SEILS G	92381	SELLERS R F	30992
		14987	SEARLE S A	86028	SEFTON M	39285	SEILS H	13136		103334
SCOTT K W	63213	106459	SEARLE S R	3764	SEGA T	104404	13159	14137	SELLERS T F	4703
SCOTT L E		44728	62024 62025	62026	SEGAL H S	106576	SEINEROVA V	24864	SELLERS W	10537
SCOTT M L	4114	4228	SEARLES R B	89922	SEGAL L	6670	SEINHORST J W	18406	SELLIKEN C J	61336
	13470	22565	SEARLS D T	46793	SEGALAN	20979		27367	SELLING O	57489
	31859	41937	SEARLS E	35291	SEGALL R H	65624	SEIP H K	40520	SELLINICK M	94778
	52206	52210	SEARLS E N	35292	SEGALL S	62539		71053	SELLO S B	85639
	62759	72659	SEARS A C	62493	SEGALL W M	44500	SEIP J J	16499	SELLEMAN J P	18046
	93150	93151	SEARS D	16825	SEGBADEN G VON	40470	SEISCHAB F	40060	SELMAN B J	23621
SCOTT O		66130	SEARS E R	27722		50578	SEISE A	24145	43024	43035
SCOTT P	30838	43486	SEARS P B	58184	SEGEL F	87629	SEISEBAEV A T	100433	94958	105675
SCOTT P M		53384	SEARS P D	17385	SEGER C L	103867	SEISKARI P	51005	SELMAN I W	47540
SCOTT P P		13222	SEATMAN G M	104144	SEGEREN W A	70737	SEIT B	98539	SELMECI Z	41905
SCOTT P R		15127	SEATON G M	1909	SEGERLIND L J	95965	SEITARIDIS K	51609	SELMER-ANDERSEN	7383
SCOTT R	54621	61229	SEATON O A	19145		96055	SEITERLE	60891	C	
		77220	SEATZ L F	20746	SEGERS C	5201	SEITSCHEK O	50863	SELOCHNIK N N	99301
SCOTT R C	3271	45529	SEAUZE J P	70238		5202	SEITZ E W	99560	SELS W	50678
		87502	SEAWER S K	35850	SEGERSTAD J H AF	8445	SEITZ G L	34615	SELING P	93511
SCOTT R G		84400	SEAWELL M B	76808	SEGGERN M E VON	80646	SEITZ M	19329	SELTEA K	24053
SCOTT R H	60492	74704	SEAWRIGHT A A	13731	SEGNER I	29458	SEITZ P	60494	SELTMAN H	89568
		108542	42947	72287	SEGNER G	43551	SEITZER J	101234	SELTZER P	81258
SCOTT R K		928	SEAY L D	59017	SEGLIN A K	62372	SEK S	54084	SELVERSTIDES C R	21629
SCOTT R M	79906	80240	SEBASTIAN N T	106034	SEGNER W P	15650	SEKAWIN M	50911	SELVES M	16849
	80983	81854	SEBASTIAN V O	53017	SEGRE D	42291	102730	102731	SELZENKO Z F	48410
SCOTT R S	11838	50140	SEBASTINE K M	26823	61767	63321	SEKERA M	79979	SEMAK I L	71663
		102227		36743	104853	104854	SEKERIS C E	5316	SEMAK V I	90219
SCOTT S D		8619	SEBBEL H	50328	SEGRE G	8181	63827	83991	SEMAKA A	36670
SCOTT T A		38630	SEBEK K	9589	SEGSWORTH E L	46254		83992	SEMAKIN V P	19777
SCOTT T N		66408	SEBEK S	47007	SEGUIN R L	106466	SEKHAR A C	40976	51361	19842
SCOTT T W	22843	51489		57322	SEGUNDO J L	27048		81446	85630	3406
	51592	72730	SEBELIUS H	96666	SEGURA M	41580	SEKHAR P S	27377	83474	99490
SCOTT V H		60595	SEBESTA K	69169	61864	82167		105311	SEMAK J J	47541
SCOTT W A	101096	101097	SEBESTYEN G	103492	SEGUY E	95081	SEKHAR S	105311	SEMB L	38396
		107970	SEBILLOTTE M	1186		95083	SEKHON S S	14936		88817
SCOTT W E	7332	16395		87030	SEHER A	55676	64048	73882	SEMBDNER G	9294
		97230	SEBOK P	103088	SEHERR-THOSS L	16458	SEKI H	27613	SEMCHEVA N S	81855
SCOTT W H		79190	SEBOROVA I	59465	SEHERR-THOSS L	16458	SEKI M	32853	SEMECHKIN I V	61002
SCOTT W J	24385	54123	SEBRILL W H	34011	FREIHERR V		SEKI R	93345		105399
SCOTT W M		47908		57107	SEHSTEDT J	102461		93346	SEMECHKINA A F	51332
SCOTT W W		97527	SEBRUYN M	82280	SEHEULT L R	50632	SEKI Y	93347	SEMECHKINA M G	105399
SCOTTER G W		170	SEBYLA T	89788		70944	SEKIBA N	13573	SEMEDO J G B	53049
	10031	20397	SECARA V	19909	SEHGAL C G	27526	SEKIGUCHI T	38770	SEMENENKO A D	10035
SCOTTI G G		71662	SECCHI G	7051	SEHGAL C L	31691	SEKINE I	62760	SEMENENKO G A	69305
SCOTTI P		29422	SECCO A	22399	SEHGAL H S	8077	SEKINO S	44740	SEMENENKO N T	96322
SCOTTINO P		100842	SECHENSKA M	328	SEHGAL N	9525	SEKIOKA H	38394	SEMENII A L	82015
SCOTTINO P L		44854		1449	SEHGAL O P	14084	SEKIYA F	19146	SEMENIUK G	9186
SCOTTON M	24046	33584	SECHLER D	100855		99647	SEKIYA N	44019		58008
		33585	SECHLER D T	386	SEHGAL V K	73287	SEKIYA S	47593	SEMENIUK P	38397
SCOVILLE O J		46026		28465	SEHNAL F	64283	SEKIYA Y	87082	SEMENIUK V I	76086
SCOZZOLI A		20182	SECHRIEST R E	5200	SEHNAL F	77431	SEKORA A	96728	SEMENKOVA I G	80648
SCRIBA M		105765	SECHRIST R E	63971	SEIREL A	65514	SEKRET I	33728	SEMENKOVA L	68087
SCRIBAN R	44235	44959	SECKIN R	55367	SEIBEL M	25730	SEKULA L F	42539	SEMENOV A	95835
	65755	85907	SECKINGER H L	55353	25732	25733	SELA I	77931	SEMENOV V	108073
SCRIMSHAW N S		5997	SECORD A C	3919	34936	55335	SELAN B J	5203	SEMENOV V A	28498
	8080	46483	SECREST P	102918	SEIBERT J	67201	SELANDER R B	94957	SEMENOV V M	11872
SCRIVEN G T		73529	SECULT-BRILLAS B	32528	SEIBERT P	68405	SELAVRI M K	69348	SEMENOV F	70621
SCRIVENDOR T		98699			SEIBERT R J	41	SELAWRY A	47803	SEMENOVA L M	73519
SCRIVNER L H		52481	J		SEIBL J	78997	SELBO M L	61345	SEMENOVA O P	20804
	63030	72869	SEDATI G	80645	SEIBLES L	15382	SELBY J W	7180		60566
SCROGGINS J H		102990	SEDELNIKOV A I	102987	SEIBOLD C T	62813	SELBY K	6671	SEMENOV V N	85409
SCUDDAY R		13209	SEDENKO D M	38495	SEIBOLD H R	13135	SELDEN W	87592	SEMENOV Z M	59245
SCUDDER G G E		14736	SEDEVY J	10032		13225	SELDEN W A	46331		79251
	23769	42884	SEDIN G I	50910	SEIBOLD M	17221	SELECKI A	48110	SEMENTES A	48742
	95244	95245	SEDIVY J	83461	10587	61000	SELEDTSOV I I	14057	AGRO CERES S A	
SCUDDER G K		60505	SEDJ J M	50069	SEIDAKHMATOV O	76338	SELENICA M	31126	SEMENYAK S G	27997
SCUDDER S H		83729	SEDLACEK O	35080	SEIDEL E	43579	SELENIS M	24547	SEMENYUK G M	78758
SCUDDER W T		2056	SEDLACK F	91397		79719	SELERUD A	10503	SEMENYUK R K	13041
	2629	48934	SEDLAK J	108469	SEIDEL F	33508		100785		31331
		84584	SEDLAR J	23975	SEIDEL G	6130	SELF H L	76339	SEMERNOI V	30822
SCULLEN H A		95347	SEDLARIK L	103312	7172	16876	SELF P	66699	SEMIK P	70777
SCULLY J J		108746	SEDLMAYER H	76337	61880	66888	SELF R	15993	SEMIKHATOVA O A	27846
SCULLY R M		49249	SEDOV E N	10033		96175		69310		48392
SCUMPU N		69093	SEDRAKYAN G	16817	SEIDEL H	13864	SELF R A	98509	SEMIKHENKO P G	91161
SCUPIN E	62538	9250	SEDUKOV V	40375		47902	SELF R L	68344		102229
SCURLOCK A		44357	SEE W	55354	SEIDEL K W	12128	SELFERO-AUDICIO N	51920	SEMIN V S	49110
SCURTI I C		37347	SEEBACH A F VON	86898	SEIDEL S	64045	SELGA D	106154	SEMIUSOV P M	53686
SCURTU E	2468	10385	SEEBECK R M	13210	SEIDEMANN J	24386	SELHIME A G	4868	SEMM H	15423
SCURTU M		11673	13638	82294	25100	25366	14171	23281	SEMOV P	32224
SCUTARU M		14818	SEEBERGER E	107870		59072	SELIANITIS S	87554	SEMPLE A T	30026
SCUTT J E		100432	SEEBORG E F	44960	SEIDEN R	12712	SELIGER H H	105674	SEMPLE R E	21652
SDOBNIKOV S		24084	SEECOF R L	53353	SEIDENSTUCKER G	95246	SELIGMAN M	74989	SEMPRONI P	42234
SDOBNIKOV S S		2489	SEED V K	16329		95247	SELIGSBERGER L	35123	SEMPRONI G	31604
		59816	SEEDORF W	7681	SEIDER H	4548	SELIM O F	63601	SEMSROW E H	87815
		60493	17070	87503	SEIDER K	1417	SELIKMHANOV G M	37137	SEMSROTH H	38408
SDOBNIKOVA O		66698	SEEFELD J	25825	SEIDOL R J	30627	SELINKE H	62540	SEN A	11359
SEABLOOM R W		40291	SEEGRIST D W	49484	SEIDLER H	51594	SELISKAR C F	99489	101785	101797
SEABORG D		25824	SEEHAFER M E	54683	SEIDLER R	89985	SELIVANOV A	24159	SEN A B	100695
SEABRA H		8401	SEEHAFER	50214	SEIDLER S	30990		33586	SEN A K	520
SEABRA L DE		30549	SEEHUSEN	8000		82120	SELIVANOV A V	32288	SEN A R	8957
SEABURG K G		94665	SEEKAMP J V	80629	SEIDLOVA F	1187		82307		20355
SEAFORTH C E		10631	SEEKINS L	104645	SEIDMAN G	10034	SELIVANOVA N V	30991		79914
SEAGO H		67019	SEEKLES L	13134	SEIDOVA KH K	29818	SELIVANOVA V M	67393	SEN B K	27614
SEAGRAVES J A		12526		62370	SEIF R D	19445	SELKE W	50141	SEN B R	3114
	26676	56561	SEELEMANN	96526		100740		80417	33970	33971
SEAHOLM J E		88383	SEELEMANN M	22256	SEIFART K	92241	SELL H M	68716	54085	86899
SEAL D T		50909	22257	25045	SEIFERLE E	12713	SELL J L	22664	SEN J	26752
SEAL M E	92249	92350	34306	41683	SEIFERT A	20747		82560	SEN N K	27761
SEALE A D	6408	26846	72278	72279		90453	SELL J T	93046	SEN P K	28171



	ITEM		ITEM		ITEM		ITEM
SEN P K	28173	SERDYUK M YA	19910	SESHU K A	106034	SGARBIERI V	89926
35693	78759	SERDYUK S I	3037	SESSOMS H D	67187	SGUROS P L	1190 19147
78761	89680	SERDYUK YA YA	96051	SESSOUS D	53005		100435
	100080	SERDYUKOVA G V	73539	SESTAK Z	89925	SHA Y	48786
SEN S	11579	SEREA C	8870	SESTIC S	40062	SHAAYA E	23623
80419	89923	SEREBRENICK S	36044	SESTINI G	6672	SHABALIN L I	78764
SEN S C	1188	SEREBRENNIKOV P P	81226	SETCHELL B P	32289	SHABALINA A	104244
	38040	81227	81228	72870	104585	SHABALINA V S	70682
SEN S K	15864	SEREBRINSKAYA R A	19723	SETH G R	30070	SHABANOV D	60495
	68445	SEREBRINSKII R A	75871	SETH J	78763	SHABELSKAYA E F	10192
SEN S N	108074	SEREBRYAKOVA T I	37770	SETH J N	18646	10194	38094
SEN S P	28372	SEREBRYANAYA S G	96176	SETH S K	30413	SHABIBI M R A AL	65180
SEN-SARMA P K	32913	SEREDA O	21423	SETH S L	20790	SHABNAM S R	49571
SENAUD J	82846	SEREDENKO A I	28811	SETHI B L	10413	SHABUROV M S	13385
SENBA T	22227	SEREDENKO B N	33587	SETHI H	35917	22444	82462
SENCHENKO G I	59296	SEREDIN B V	12833		44503	SHACKELFORD R M	13314
SENDA K	92355	SEREDIN V	56503	SETHI G R	14726	22374	92803
SENDA S	35568	SEREDINSKAYA A F	68753	SETHI H	16321	SHACKELFORD T B	11013
SENZU T	29003	SEREGIN N F	28812		55677	SHACKLETON L A	97558
SENECAL P	84357	59598	102566	SETHI K K	48393	SHADAN V Z	26331
SENEC S H	12517	SEREN E	77036	SETHI M L	91740	SHADAREVIAN S B	6017
SENEILLART J	35569	SEREN E A	57044	SETHI M S	62192	SHADE R E	63587
SENEILLART M J	76639		85236	SETHI S C	96819	SHADIYEVA KH G	33511
SENEVET G	105805	SERENA P	36494	SETHI S L	33073	SHAEFFER S G	436
SENEVIRATNA P	13555	SERENI E	17453	SETHI Y R	81331	47851	69268
	23166	SERENKOV G P	86976	SETHNA K R	14891	SHAFER C	107266
SENFFT H J VON	69677	69291	89734	SETO R	28174	SHAFER C E	86367
SENG J H	78762	SERES T J	67361	SETOGUCHI K	27058	SHAFER E L	2884
SENGALEVICH G	67063	SEREVO T S	30122	SETTE P	31592	SHAFEEY H A EL	77863
SENGAR D P S	83416	SERFONTEIN J	28599	SETTEN G G K	91442	SHAEFFER B M	19148
SENGAR D P S	92388	49566	101575	SETTERFIELD G	58854	SHAEFFER C B	94214
SENGBUSCH H G	22259	SERGEFF F A	30994	SETTERGREN I	71939	SHAEFFER D L	68517
SENGBUSCH R V	53214	SERGEFF A S	84316	88027	92551	SHAEFFER E T H	49250
SENGBUSCH R V	58243	SERGEV M A	27537	SETTIPANE G A	67687	SHAEFFER H B	50431
SENGBUSCH R VON	1189	SERGEV M P	74173	SETTLE M B	74225	SHAEFFER H G	66366
	39405	SERGEV N I	22895	SETTLEMIRE C T	72094	SHAEFFER J D	24401
SENGEL P	82545	SERGEV V A	12714		103870		74419
SENGELIN A	1811	SERGEV V Z	38768	SETTNES O	62856	SHAEFFER M E	90970
SENGER C M	52430	SERGEVA N V	100696	SETTY B S	93348	SHAEFFER N M	87346
SENGER E	100081	SERGEVA O YA	1512	SETTY L	10026	SHAEFFER R L	67982
SENGER H	67749	SERGEVA T I	84924	SETZER J	90887	SHAEFFER R W	59017
SENGUPTA G C	23246	SERGEV T	8464	SETZLER R	51628	SHAEFFER T F	33684
SENGUPTA P	89924	SERGEV G	52645	SETZLER R D	63172	SHAEFFER W H	37411
SENING E	39807	SERGIENKO V M	69042	SEUL H	30414	SHAEFFNER C S	4055
SENIOR B	76809	SERGOVSKII P S	51116	SEUSTER H	6351	41995	62951
SENIOR C	22371	SERGEFF L I	58853	SEVA L	90220	SHAFI M	100025
SENIOR W H	45721	SERIDKO A M	101128	SEVASTOPULO D	73837	107309	107309
SENIOR W S	65109	SERIKOV YU M	30412	SEVASTOPULO D G	5054		107897
SENKEVICH A A	50744	SERJEANT E P	52901		23770	SHAFIE M M	52155
SENKOV F V	12255		68294	SEVASTYANOV V D	63892	SHAFIE S A EL	72135
SENKOWSKI A	24191	SERKEBAEVA T E	16289	SEVASTYANOVA M I	59986	SHAFIK M T	64228
SENIS H	90779	SERLACHIUS R E	27560	SEVCIK B	104909	SHAFIQ S A	105767
SENLIYI V M	59246	SERLUPU-CRESCENZI G	78897	SEVELIUS F	3985	SHAFIRYAN E M	70263
SENN G	34708			SEVEN R P	48394	SHAFRAN S A	70608
SENN T L	49016	SERMONTI G	89311	SEVENANTS M R	54994	SHAFRANSKII V P	79720
SENN V J	25515	SERNA-SILVA F	75854	SEVENSTER J	16330	SHAFSHAK S	20184
SENNIKOVA A	31161		75855		107760	SHAFSHAK S A	59878
	31162	SEROV N V	30995	SEVER B B	108039	SHAGINYAN A K	50912
SENNO T	85695	SERPIERI A	8494	SEVER V	55355	SHAH B G	21791
SENO T	37904	SERQUEIRA L	38399	SEVERA K	93275	SHAH B H	18848
SENOTRUSOVA V N	73160	SERR E F	10682	SEVERANCE C E	41478	SHAH C H	58185
	73537	SERRA D S	14988	SEVERIN G A	3857	SHAH C K	26897
SENSING T	45609	SERRA J	67461	SEVERIN M	34704	SHAH C S	48621
SENTI A	7620	SERRANO F M H	71804	SEVERIN S E	73879	SHAH G L	8651
SENTI F R	1513	SERRANO H	69598	SEVERIN V	22501		17617
	35203	SERRANO L J	31713	SEVERIN W H	12834	SHAH H L	4412
SENTI R	17021	SERRANO M	46210	SEVERINO E	40669		17783
SENTO A	51325	SERRANO P J L	38025	SEVERINO E	40669	SHAH H M	63153
SENTURK R	17288	SERRAON V U	7217	SEVERNYI A	33766	SHAH J A	18245
SENZ J C	59227	SERRE J	82231	SEVERSON A W	65506	SHAH M	100091
SENSZYN P	40556	SERRE J L	98318	SEVERSON H	64692	SHAH M J	106943
SENZE A	22258	SERRES F J DE	764	SEVESTRE J	82368	11293	11293
	61882	766	855	SEVILLA N S	3332	SHAH N	38239
SEO H	20553	SERRES H	4517	SEVOIAN M	82650	SHAH P C	52534
SEO J	3555	SERRES L	24865	SEVOSTYANOV A Z	13869	SHAH R A	20917
SEO S	42281	SERRIES O DE	77062	SEVOSTYANOV S	28756	SHAH S Z H	26274
SEOW P H	32592	SERRUEN F	44131	SEVUV A	58855	SHAH V K	65633
SEPPERS I D	73325	SERRUYS R B	46411	SEVREZ C	4188	SHAHAN M S	12715
SEPHTON H H	34709	SERRY V	30528		62843	SHAHANI K M	15625
SEPP M	11815		51034	SEVULESCU A	37138	24811	85269
SEPP V	71745	SERTIC V	103708	SEVULESCU T	37138	SHAHARE K C	47542
SEPPALA K	81070	SERVADEI A	32638	SEVUMYAN R	15979	SHAHBAZIAN V L	34138
SEPPALA K Y	30993		105056	SEWANDONO R	46545	SHAHI S P	30164
SEPPANEN M	21363	SERVADIO G J	44598	SEWARD SIR A C	77222	SHAHINE A B	85738
SEPTILICI G	6315	SERVELO V	40365	SEWELL G W F	27232	SHAHROODY A M	60668
	24710	SERVENIUS J	33759	77803	77804	SHADUROV V S	68992
SEPTRDUX J	98068		84401		77805	SHAIKH S	87793
SEQUEIRA M P D A S	67987	SERVETTAZ O	38589	SEWELL J I	40137	SHAIKHAMANDOV M KH	82281
DE		SERVETTAZ-GRUNAN-GER O	38627	SEWELL R F	22928	SHAIKHLI J S AL	103781
SEQUI P	48575	SERVICE M W	33237	SEWELL W R D	20870	SHAIMUKHMETOV M	49671
SERA H	45093		73601	SEXSMITH J J	37771	SH	70322
SERAFIMOV S	93885	42540	53377	SEXTON D K	1704	SHAIMUKHMETOVA A	49602
	104436	84024	95149	SEXTON G E W	54412	A	49645
SERAFIMOVA R	39019	SERVIERE P	75344	SEXTON O J	73499	SHAIN S S	27763
SERAFIMOVICH N B	69048	SERVA Z	61350	SEXTON S	6156	SHAIN W A	21115
SERAFIMOVSKI A	105588	SERWATOWSKI J	8279	SEXTON W A	42431	SHAIN Y	69264
SERAFIN F G	946		67363	SEYAMA N	47941	SHAINBERG I	49733
SERAIN C	82274	SERY V	93360	SEYD E L	42948	SHAITURO L F	64401
SERANTES-PORTA M	22583	SERYKH A P	92550	SEYDAN B	43366	SHAKESPEARE W	57111
	106434	SERZANE M J	305	SEYDIAN B	94046	SHAKHBAZYAN M	34081
SERAPHIM G M	50964	SESELGIENE S	5702	SEYDLER B	65904	SHAKHMARDANOV Z A	104709
SERAPHINE M	84829	SESENNA G	75272	SEYDLITZ M	38400	SHAKHNAZAROV G M	13139
SERAZETOINOV D Z	60790	SESEMAN O	63035	SEYFFERT W	58452		1191
SERBAN S	32498	SESHACHAR B R	23962		89304	SHAKHOV A A	38402
SERBAN V	22306		73901	SEYMOUR C P	89305	28175	78197
SERBANESCU F	10036	SESHADRI T R	15389	SEYMOUR E W	82949	81907	78198
SERBANESCU I	36744	21640	23069	SEYMOUR K G	29344	SHAKHOVA O V	77405
	101760	48508	48620	SEYMOUR W R	71373	SHAKIROV A	45876
SERBANESCU M	57701	69294	72264		6221	SHAKIRZANOVA M S	33193
SERBIN A A	60822	91739	91754	SEYMER G	45003	SHAKRA S	10391
SERBIN V P	64401	SESHAN K N	44515	SFAT M R	25597	SHAKRA S A	79221
SERDECHNAYA K I	44455	SESHAN P K	60747	SFERRA P R	63661	SHALA Z	52110
SERDECHNYI A	43604	SESHAVATARAM V	18672	SFICAS A G	856	SHALABY F	63832
SERDYUK L G	74622		58912	SGADARI V	12002	SHALABY G I	89448
						SHALASH M R	12472
							31986
						SHALICHEV YA	65091
						SHALIMOV V N	97256
						SHALIN YU P	38769
						SHALKOP W T	63126
						SHALLA T A	8958
						SHALLENBERGER R S	26312
						SHALLOM L J	57490
							57491
						SHALMON E	62810
						SHALON Y	54133
						SHALTIEL M	40344
						SHAMAEVA G M	101774
						SHAMAEVA P P	80435
						SHAMANNA K	35402
						SHAMANNA S	704
						SHAMARDINA N N	78765
						SHAMBAUGH G	91287
						SHAMBAZOV G	82121
						SHAMBEREV YU N	92356
						SHAMBERGER H A	20895
							40280
						SHAMBURGER P	79628
						SHAMLOO K D	3951
						SHAMMA M	48622
						SHAMRAI E F	67393
						SHAMS M A	98378
						SHAMSHIN A	44707
						SHAMSIEV B R	35570
						SHAMSIEV G	10037
						SHAMSIEV M A	103871
						SHAMSUDDIN A M	20662
						SHAMSUDDINOV F	54883
						SHAMSUDDINOV R	26452
						SHAMTSYAN S M	28176
						SHAMURIN V F	30381
						SHANAHAN G J	14060
							42432
							42433
							83269
						SHANAN M S	83086
						SHAND R T	64726
						SHANDS H	47909
						SHANDS H L	9617
						SHANDS R G	47373
						SHANDS W A	23247
						52893	52895
						SHANE J F	48743
						SHANGHVI C	49129
						SHANHOLTZ M I	108748
						SHANI A	83128
						SHANIN S S	61004
						SHANK C W	55250
						SHANK D B	19572
			</				

ITEM	ITEM	ITEM	ITEM	ITEM
SHAPLEY A E 16920	SHAROV A G 42357	52356	SHAW M D 64709	74278
45930 45931 45932	SHAROV I 2567	40282	SHAW M E 40063	SHEINGAUZ A S 102549
66946 66947 66948	SHAROV I A 50329	60669	SHAW N H 79266	SHEINKIN G YU 50331
76445 76446 76447		91302	SHAW P 61257	SHEINKMAN A K 99301
76448	SHAROVA I C 43025	43025	SHAW P D 48538	SHEKEROV Y 74476
SHAPOSHNIKOV G KH 73724	SHARP A J 168	8652	SHAW R D 52814	SHEKHAWAT G S 38404
SHAPOSHNIKOV V N 1418	17829 77223	100248	SHAW R G 30513	78769
48623 69044	SHARP A L 50307	77090	SHAW R H 39669	SHEL R W 73351
SHAPOSHNIKOVA I M 1192		91303	48744 48765	SHELASHKII V A 12937
SHAPOSHNIKOVA Z B 26314	SHARP D G 39555	39555		22135
SHAPOVALOV E N 66261	SHARP E L 9135	47374	SHAW R L 49251	61170
SHAPOVALOV K 43783		47375	SHAW S 94959	SHELBOURNE C J A 100436
SHARABRIN I G 72345	SHARP G I 10354	10354	SHAW W C 11098	SHELBY C A 71915
82281 92552	SHARP J B 21498	21498	29345 49457	SHELBY C E 2667
SHARAF A 89814	SHARP J C 91400	91400		SHELBY S 53006
SHARAF A A 72281	SHARP J G 7214	7218	SHAWARBY A A 42541	SHELDEN G P 65548
SHARAPOV V Z 79347	SHARP J W 34938	34938	SHAWCROFT W 78767	SHELDON A K 58070
SHARAPOV N I 105853	SHARP L A 102834	102834	SHAWK M K 57201	SHELDON B L 53354
SHARAPOV V M 93680	SHARP N C C 52051	52051	SHAWL R I 15265	SHELDON W G 21373
SHARARA H A 34447		71806	SHAZLI A 63435	SHELDRAKE R 39146
SHARASHIDZE S V 37603	SHARP R B 15226	78766		43807 70681 74247
SHARAV Y 104727	SHARP R D 94215	94215	SHAZLY A Y EL 33273	96145
SHARGA U S 14654	SHARPE E 15475	15475	SHAZLY K EL 4397	SHELDRIK R D 68806
SHARGAEV M A 27475	SHARPE G 80243	80243	4413 13656	SHELUZHKO L 23903
SHARIPOVA F S 16289	SHARPE G I 42052	42052	SHCHAPOVA O 40064	SHELL E W 70160
SHARKAWY A EL 10379	SHARPE M 2490	20185	SHCHEGLOV A G 19911	SHELL R 94960
SHARKAWY M A A 68652	20302 21676	25455	SHCHERIN V A 81922	SHELLARD E J 69306
68653		62373	SHCHERKOTOVA T S 72107	SHELLENBERGER J A 6977
SHARKEY M J 79348	SHARPE M E 55449	55450	SHCHETPILNIKOVA 83194	14252 107495 107739
SHARKOV B I 54884		74763		SHELLENBERGER P R 72282
SHARKOV V I 21653	SHARPE R H 1779	1779	SHCHETPKOV N 102089	SHELLENBERGER T E 42053
21700 65328 107135	SHARPIRO S J 35055	35055	SHCHERBAKOV A N 136	SHELLENBERGER J A 86303
SHARKOV YU 76022	SHARPLES A 107193	107193	SHCHERBAKOV B I 10038	SHELLEY W B 88009
SHARMA A K 714 5473	SHARPLES J A 54736	54736	SHCHERBAKOV D I 70779	SHELLHORN S J 67750
27615 78199 84102	SHARPLES K 102344	102344	SHCHERBAKOV E 33143	SHELTON J R 55752
SHARMA A P 45188	SHARPLES R D 85868	85868	SHCHERBAKOV I N 11427	SHELTON L R 54128
SHARMA B D 37806	SHARPLESS G R 13557	13557	SHCHERBAKOV I P 71286	SHELTON M 81680
SHARMA B M 68485		103961	SHCHERBAKOV V P 20468	82847
SHARMA C M 30479	SHARPLIN J 64227	73838	SHCHERBAKOV YU D 79964	82876
SHARMA D C 11171		95518	SHCHERBAKOVA E YA 68477	SHELUKDO YU M 19055
SHARMA D D 92408	SHARRATT W J 80767	80767	SHCHERRAKOVA T A 49711	SHELUYAKOVA R M 57785
SHARMA D K 99985	SHARROCK G 36638	36638	SHCHERRAKOVA T A 49711	SHELUKHIN N V 30337
SHARMA D L 40281	SHARRY L F 6617	6617	SHCHERBATYKH P YA 82463	S'LLWICH J O 62020
SHARMA D P 61956	SHARTS A K 103067	103067	SHCHERBATYUK A S 102732	2279
SHARMA G C 14246	SHARVELLE E G 47109	47109	SHCHERBIN-PARFEN- 77864	SHELYUGINA Z G 13835
SHARMA G D 53194		57836	ENKO A L 99561	SHEMANCHUK J A 32717
SHARMA G L 31691	SHASALIKHOV A SH 1623	1623	SHCHERBINA B 45723	SHEMANOVA G F 21870
63313 104671	SHASHA B 54132	58569	SHCHERBINA I V 56552	SHEMYAKIN I YA 102753
SHARMA G P 5591 13556	SHASHNIKOVA N V 14030	14030	SHCHERBINA P 95836	SHEMYAKINA T P 19769
14935 52131 106102	SHASTI C P 16743	16743	SHCHEREVA R 38403	SHEN C 38984
SHARMA H C 20583		97917	SHCHIPACHEVA E N 826	SHEN C C 35964
SHARMA H N 71699 104040	SHASTRI K J 58741	58741		SHEN C K 92876
SHARMA H P 18647 18648	SHASTRY M C S 65633	65633	SHCHIPAKIN V P 50330	SHEN C M 2704
SHARMA J C 46212 105998	SHASTRY S V S 88385	88385	SHCHUKINA A I 78768	SHEN D Y 95651
SHARMA J N 27628 29799	SHATA A 60594	60594	SHCHUKINA S A 68755	SHEN F C 106409
	SHATALINA M S 9507	9507	SHCHUPAKOVSKII V 90078	SHEN I S 100437
SHARMA J P 11357	20074 77406	99982		SHEN J S 90853
SHARMA J S 4808	SHATALOV P 31132	31132	SHCHUREVSKII V I 104711	SHEN K M 38405
SHARMA K C 70622 91162	SHATILOV I S 69045	69045	89856	SHEN S S 92097
SHARMA K K 75856		69046	SHEA E P 6575	SHEN T H 60748
SHARMA K N 8280 20456	SHATILOVA I I 46762	46762	SHEA K P 52916	SHEN Y K 38405
	46763	77224	SHEA K R 40859	SHENAI V A 71560
SHARMA L S 4808 105998	SHATLA M N 14669	14669		SHENEFELT R D 43060
SHARMA M 58308	SHATOURY H H 43111	43111	SHEA M W 66315	94900
SHARMA M D 29004 69914	SHATROV A P 104710	104710	SHEA P F 60670	SHENG C Y 49587
SHARMA M I D 83193	SHATSKEYA M G 90187	90187	4337	60496 102037 102038
SHARMA M L 5460 14130	SHATTOCK P M F 43944	43944	SHEALTIEL M V 48395	SHENG Y S 31042
16293 16332 35164	SHATTOCK W S 106327	106327	SHEALY N A 5877	SHENNIKOV A P 68407
SHARMA M R 13680 18649		2238	SHEAR C B 57837	68408 68409 69048
SHARMA N 42051 42116	SHATTUCK G E 76566	76566	SHEAR G M 70674	70707
	SHATTUCK G M 70894	70894	SHEARD G F 20075	38406
SHARMA N K 19411 48632	SHATZEL L R 7901	7901	SHEARD J W 37015	85331
SHARMA D P 28290 99952	SHAUDYS E T 16877	16877	SHEARER D A 14296	SHEPARD H E 21031
SHARMA P D 715	SHAULIS N 59652	59652	73344	47165 50430 109043
SHARMA P S 45610 108332		86769	SHEARER G 15431	SHEPARD J H 95519
SHARMA R B 5424	SHAUMAN N 84508	84508	SHEARER G B 47478	SHEPARDSON E 95652
SHARMA R C 19412 19413	SHAUMYAN K V 94407	94407	SHEARER G C 72859	SHEPARDSON E S 5648
28381 89927 100697	SHAUMYAN V A 80648	80648	SHEARER M N 80498	84508
SHARMA R K 55690		109117	SHEARER R C 50132	SHEPEL M 4303
SHARMA R M 63508	SHAUTSUKOV Z K 33663	33663	SHEARER T M 68232	SHEPELENKO G 70724
SHARMA R P 30324 61374	SHAUVER D L 857	857	SHEATA M N 105882	SHEPELEV V M 78311
SHARMA R S 24866 25036	SHAUVER T L 61884	61884	SHERESKI L H 37139	SHEPELSKII A I 58454
SHARMA R S 40541 71805	SHAVER E T 105811	105811	SHEDESKY P 49252	102039
SHARMA S C 92242	SHAVVA K L 29954	29954	SHEDELEY D G 14219	SHEPARD B P 72474
SHARMA S D 27261 88385	SHAW A 36916	36916	14220	SHEPHERD D R 94017
	SHAW A F 59414	59414	63531	SHEPHERD F W 32961
SHARMA S K 10340 47318	SHAW B 92525	92525	34766	SHEPHERD G 49319
56438 58971 59198	SHAW B T 8534	34012	11607	7797 35083
	54091 67673	67674	58856 69915	8331
SHARMA S L 46686	69436 79191	80712		8331
SHARMA S M 102045		107233	SHEEHY G E 3517	SHEPHERD H W 79622
SHARMA S N 32619 91680	SHAW C G 18640	37368	SHEEHY T 2631	SHEPHERD J H 52405
SHARMA S P 13036 62263	SHAW C L 1894	12389	SHEEN S J 58453	93620
SHARMA T 53548		21424	SHEETS L W 42647	54885
SHARMA U 18650	SHAW C P 6822	29347 70120	SHEETS T J 11338	SHEPHERD K 88390
SHARMA U D 12826 22004	SHAW C S 59297	59297		SHEPHERD R J 37140
	SHAW D C 65329	65330	SHEFFET G 82573	58104
SHARMA V C 60403	65331 65332	65333	SHEFFER A 97370	SHEPHERD W 78770
SHARMA V D 30996 41463	SHAW D E 47376	47376	SHEFFIELD F M L 19149	108333
	SHAW D J 7621	7621		SHEPILOV A I 56551
SHARMA V N 28385 79047	SHAW E 11731	11731	SHEFFIELD H G 83072	87083
79049 107253 107254	SHAW F R 23266	23266	66450	SHEPPARD A J 74339
SHARMA V S 17713 88386	SHAW H K A 141	142	103749	SHEPPARD C C 41976
SHARMAN C 70683	88387 88388	88389	SHEFFY B 13733	36175
SHARMAN G T 28431	SHAW J 53154	53154	SHEFKI M D 69171	65881
SHARMAN R S 103872	SHAW J C 3272	30997	SHEFNER A M 88197	44398
SHARDIJO E A 97257	SHAW J G 94408	94408	99893 108969	SHEPPARD N 53384
SHARDON J 45847	SHAW J K 25943	25943		SHEPPARD P M 14892
73976 74181 75612	SHAW K E 41685	41685	24338	33436 33437
76340 76449 76450	SHAW L 2433	79415	SHEFTER YA I 33942	64182
86109 86110 86653	SHAW L H 34939	34939	34783	84124
96023 97916	SHAW M 37350	47377	34825	84554
SHAROUBEEM H H 68955		54326	SHEHATA A M EL T 34783	37141
			SHEHATA A M EL-T 26132	12391
			SHEHATA H M 82309	104438
			SHEHATA R 104136	74383
			SHEIKH M I 81170	29562
				SHERBONI A A EL 74383
				SHERBONI M F EL 29562
				SHERBON J W 85332
				SHERMET I A 60561
				SHEREVERYA N I 858
				SHERF A F 68070
				84254
				88818
				98955
				98956
				55594
				22665
				37351
				48902
				29348
				67473
				91716
				71732
				35009
				23900
				64226
				21799
				104393
				105134
				5317
				14644
				12328
				30628
				859
				11299
				70634
				104159
				104439
				105332
				45724
				106631
				58857
				27324
				57108
				74356
				98379
				74889
				79922
				56072
				51035
				52535
				8129
				82783
				27616
				75808
				96638
				13526
				52157
				100438
				6316
				7052
				25021
				22567
				11774
				98781
				107908
				11099
				15227
				21466
				16252
				44504
				55059
				38628
				77858
				12752
				83272
				97266
				102594
				12847
				77642
				36592
				104338
				83195
				54825
				44020
				102338
				17618
				46764
				77278
				52092
				37772
				109116
				44576
				26989
				64836
				84509
				105312
				25470
				74062
				68750
				79192
				88193
				74152
				90559
				61885
				95916
				105057
				13558
				12680



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
SHIBASAKI I 7569	SHIMIZU A --CONT 82659	SHIRAZAWA H 81172	SHMONIN I 56426 107523	SHRIVASTAVA V K 93547	ITEM
SHIBATA A 91031	SHIMIZU D 77474	SHIRBINI A M A EL 26132	SHMYGLYA V A 68295	SHRIVER D 83488 103765	
SHIBATA K 28098 38158	SHIMIZU F 4767 13986	SHIRK R J 6920	SHMYTOVA G YA 13033	SHROFF P J 76503	
48211 105730	93266	SHIRKANNOVA V B 25516	SHNEIDER YU I 68249	SHRUM G A 108749	
SHIBATA M 38629 96413	SHIMIZU J 25104	SHIRKO V N 88819	SHNITSER S 97133	SHRYOCK G 19436	
SHIBATA N 81071	SHIMIZU K 33588 35603		SHNITSER S S 107588	SHTAKELBERG A A 43112	
SHIBATA S 3273 31444	40814 40860 40861	SHIRKOV A 74287	SHO S 94607	83995	
79721 82958	51596 64564	SHIRLAW D W G 19523	SHOBE W R 99042		
SHIBATA T 35485	5027 9262	19562 21800	SHODYEV U 82756		
	95793 32657 79521 99567	SHIRLEY H L 50483	SHOEMAKER A C 3228	SHTALBERG S 25037	
SHIBATA W 28177	SHIMIZU R 108471		SHOEMAKER H E 60498	SHTANJOK E E 79550	
SHIBATA Y 41046 41139	SHIMIZU S 1420 10973	SHIRLEY H V 52331	SHOEMAKER J M 60498	SHTEFAN N 38985	
SHIBAYAMA H 37707	19414 23493 83690		SHOEMAKER J M 86614	SHTEFKO I 64365	
SHIBKO S 21916	83691 83710 83711	SHIRLEY R L 32396	SHOEMAKER J S 60499	SHTEFKO I V 73978	
SHIBLEY G P 62904	SHIMIZU T 3986 3987	62078 63037 71664	SHOEMAKER P B 99406	SHTEFYRTSA I G 70780	
SHIBUKAWA D 39061	3988 4226 38770	72057 81989 82140	SHOEMAKER R A 229	SHTENVOLF L P 50870	
SHIBUTANI U 81923	46907 63322 81780	103536 104588 104797	8872 27231 47806	SHTERA I S 58336	
SHIBUYA I 89928	100857 100858 105300	SHIROKOV A V 30995	57741 57742	SHTERA V S 109059	
SHIBUYA K 61329	SHIMIZU Y 4229 10039	SHIROKOV E 15343 33928		SHTERENBRH P M 77808	
SHIBUYA M 1028	12717 19150	SHIROKOV E P A 14565	SHOFFNER R N 42088	SHTILMARK F R 21344	
SHIBUYA T 47910	SHIMIZUGAWA R 2173	SHIROMANY P A 14565	104515	61264 102835 102836	
SHICHI H 1419	SHIMKIN D B 76558	SHIROVA L 83604	SHOJI F 43540	SHTINA E A 10139 70398	
SHIDEI T 81076 83547	SHIMMEL J W 30448	SHIROVA L F 14029	SHOJI K 49490	SHTRAUSBERG D V 80459	
	83903	SHIRSHOV V A 27763	SHOJI T 37332 37817	SHTUN F O 104712	
SHIDENKO I KH 58455	SHIMOKAWA M 39556	SHIRYAEOVA G A 48069	68568	SHTURMOVA V S 38039	
	SHIMOKORIYAMA M 9856	SHIRYAEVA G A 48379	106743	SHTYLLA N 32202	
SHIEH T S 100305	28153	SHISHCHENKO S V 1194	SHOKURYO-CHO 4597	SHU-YUN C 90907	
SHIEH W C 67872	SHIMOMURA H 34082	60497 78058	SHOL V A 63323 63324	SHUALGAUZEN I I 87984	
SHIELDS G S 22998	34747	SHISHEGOV L S 102876	SHOLDT L L 5008	SHUBECK F 2491	
SHIELDS J 44282	SHIMOMURA T 18352	SHISHIDO H 56321	SHOLOCHOVA V A 28180	SHUBECK F E 50376	
SHIELDS L G 80073	SHIMOSE N 19151 58859	SHISHIUCHI M 40782	SHOLOKHOF A M 58861	59170 79128	
SHIELDS L M 9358	SHIMOTSUMA M 18767	SHISHKANO V G 78773	SHOLOKHOF E I 26695	SHUBERT T A 57323	
	37905	SHISHKAREV I T 84565	SHOLOKHOF YE 56426	SHUBIK P 86138	
SHIELDS L R 10838	SHIMOZIMA K 30189	SHISHKIN A I 101028	SHOLOKHOF V A 34710	SHUBINA L 16817 24977	
SHIELDS M E 59758	SHIMSHI D 19152 19153	SHISHKIN A K 32718	SHOLTAEV M SH 102205	SHUBINA L S 101623	
SHIELDS R H 45337	58509	SHISHKIN B K 57492	SHOMER R R 23117	SHUBNIKOVA E A 84044	
SHIEN K F 100586	SHIMURA Y 27445	87980	SHOMO H 34038	SHTUEL R 26741	
SHIER F L 35695	SHIN M 19415	SHISHKINA I S 34864	SHOMON J J 36671	SHTUEL R W 78774	
SHIFFERS E V 17500	SHINAGAWA T 26898	SHISHKINA N 97140	SHONE C 7250	SHUEY W C 16152 34940	
SHIFLET T N 583	106577	SHISHKINA N N 79874	SHONE G 13496	65756 85944 97003	
19667 35918 61263	SHINDE P A 47381	SHISHIKO I 74652 74653	97192	SHUFFETT D M 58587	
SHIFMAN I A 47378	SHINDO K 9517 27617	SHISHKOV K N 49646	69051	SHUGAILLO V T 52284	
SHIFRIN M S 5805	37773 58335 68482	SHISHKOV N 31988	98187	SHUGARS O K 66949	
SHIFRINA KH B 69049	78139	SHISHKOV V P 13165	97680	87180	
SHIFRISS D 27762 47804	62542	103873	SHODK E G 102345	SHUGERT R 1705	
	23248	78692	SHOOP G I 11183	SHUKHTINA G G 882	
SHIGEMATSU H 5023	SHINKAI A 53450	54737	SHOOP G J 29193	58486	
SHIGEMURA C 77095	SHINN A F 17785	SHISHKOVA M 49646	SHOOR J 79547	SHUKLA G K 102040	
SHIGENAKA Y 103325	17786 17787 77407	SHISHKOVA Z 70476	SHOPE R E 4693 42494	SHUKLA G N 14660	
SHIGENO K 30787	98842 98958 98959	SHISHOVA V S 70445	63325 63326 83073	SHUKLA G S 94779	
SHIGETOMI K 36276	98960 98961 98962	SHITAKO I I 101235	83092 83226 83974	SHUKLA N K 40976	
SHIGO A L 415 47379	98963 98964 98965	SHITAMORI A 16522	47382	SHUKLA R K 49378 76707	
47380 58010 81206	SHINODA T 54221	SHITOV S 62631	SHOPINA V V 103961	SHUKLA U C 60155	
	81207	SHITOV S T 12598	SHOR A L 72925	SHUKLA V 3646	
SHIH C C 28178	SHINOKI J 83681	SHITSUKAWA U 40862	SHORB M S 4230	SHULGA M S 101442	
SHIH C F 39812	SHINOZAKI K 4414 93681	40963	SHORES B E 50174 64442	SHULGA M T 100440	
SHIH C H 56050	SHINOZAKI T 45093	SHITT T P 11271	SHORES S A 92748	SHULGIN A 70203	
SHIH C P 100587	SHINOZAKI Y 26131	SHIUE C J 30265	SHOREY H H 23250 23251	SHULGIN I A 77225	
SHIH S C 91163	SHINOZUKA T 5000	SHIVAMAGGI H B 26487	64229 73839	SHULGIN V A 51298	
SHIH T F 101084	SHINSHI Y 54886	SHIVASHANKAR S 55010	29235	102733	
SHIH Y C 102319	SHINZAWA K 67020	55998	SHOREY N H 29235	SHULKUM E 48694 69437	
SHIHO A 32612	SHINZHEE P 103350	44021	SHORLAND F B 19416	SHULL C A 67573	
SHIHO H 84585	SHIODA T 104203	56882	SHORT A L 34343 107020	SHULL E M 14893 95520	
SHIHOV S 74063	SHIOMI A 54906 75150	56131	SHORT B A 85631	95521 95522	
SHIKATA E 18294 23197	94604	104910	SHORT C E 13141 41853	SHULL G F 27458	
83711 105854	SHIONOYA K 32046 32098	93682	SHORT D 75832	SHULL H 11775 60094	
SHIKATA M 860	SHIONOYA S 32046 32098	28382	SHORT D J 72548	66525 91304	
SHIKATA S 79193	SHIONOYA T 80833 80834	10040	SHORT E C 62543	SHULMAN M D 57368	
SHIKAYA M 90560	80835 80879	SHIYA T 31327	SHORT E P 45752 86113	77096 98782	
SHIKHANOVICH L I 16542	SHIOYA K 35293 93028	SHKABYDOVA R 24810	43226	SHULMAN S 4731	
SHIKHOV I 5703 43487	SHIOYA T 71054 99918	SHKARBATYUK K 24098	83196	SHULOV A 23623 106 94	
SHIKOV A T 22960	SHIOZAWA K 97877	SHKATOV V K 102919	95085	106103	
SHIKOV K 102550	SHIPCHINSKII A W 71350	SHKATULOV A I 102499	SHORT L L 31445	SHULTIS A 26191 32107	
SHIKRENOV D 43256	SHIPE W F 65092 65129	SHKEL S E 27802	SHORT R V 31445	SHULTS G E 48399	
SHIKULA N K 30009	85333	68677	SHORTER D R 19843	SHTLTZ F T 45250 104058	
SHILDRICK J P 39428	SHIPEROVICH V YA 27561	SHKELE A 54067	SHORTER N H 58801	SHTLTZ T E 40037	
SHILER G G 60671	SHIPILOV V G 68198	SHKHAYAN A S 57647	SHORTHOUSE M 33194	SHULYAK F S 81704	
SHILLAM K W G 3497	SHIPILOV V S 22021	SHKHAYASABAYA G 40345	SHORTINO T J 94216	SHULYDIN A F 89382	
SHILLING C W 67682	62027 92243 92553	SHKIRKIN G G 95837	SHORTIT H E 51332	SHULYNDIN A 1527	
109248	SHIPLEY E 61302	SHKLYAR M Z 48398	SHOSHAM A 3276	SHUMAEVA K G 102596	
SHILLITO J F 61200	SHIPLEY H 20856	SHKLYAR YA 24120	SHOSTAKOVSKI M F 54887	SHUMAKOV B A 40283	
SHILNIKOV N G 102444	SHIPLEY M L 18186	SHKODENKO V I 68206	SHOTSII V P 70997	SHUMAKOV B B 40283	
SHILNIKOVA V K 29539	SHIPMAN H J 4957	SHKODICH P E 54531	SHOTTS E B 62393	SHUMAKOV E M 13983	
48396 69050	SHIPMAN J A 107613	SHKOLNIK M YA 58860	SHOU I 108795	73881 83201	
SHILO M 9359	SHIPMAN R D 21242	SHKOLNIK R YA 100439	SHOUB J 38111 58644	SHUMAKOV V S 50745	
SHILO R 78771	21314 81072 81171	99983	SHOULDERS E 58013	SHUMAKOVICH E E 41366	
SHILOH M 75140	SHIPP E 32142	100591	SHOULDERS J F 59378	SHUMAN A C 54132	
SHILOVA N V 47805	SHIPP O E 23249 42434	SHKURAT N N 99983	100859	SHUMAN C B 6088 17090	
SHILOVA S A 42542	SHIPP W 100698	SHKURUPII P YA 4472	SHOVE G C 43832 84541	36141 45726 76192	
SHIM S C 48476	SHIPPEY R A 4321	SHKUTINA F M 78311	56526	91356	
SHIMABAYASHI Y 104440	SHIPTON J 34187	SHKVARNIKOV P K 78312	SHOWALTER R K 65626	SHUMAN F 91164	
SHIMABUKURO R H 48397	SHIPTON W A 37198	SHLEIKHER A I 55809	SHOWERS R E 105443	SHUMAN H 23887	
SHIMABUKURO T 15853	SHIPWAY G P 53825	SHLENOVA M F 14646	SHOWERS W B 105173	SHUMAN R D 83075	
SHIMADA H 28531 91031	84708	SHLYAPAK S I 84806	SHOZO O 27156	SHUMANSKAYA M G 27801	
SHIMADA K 7284	SHIRAFUJI E 55015	SHLYK A A 1337 1439	SHPAK R L 69052	SHUMEIKO I 101110	
SHIMADA M 100857 100858	55371 46574 76981	89930	SHPOLYANSKAYA E I 51434	SHUMETOV G F 1987	
SHIMADA N 58943	SHIRAHAMA K 18026	SHLYKOV G N 57493	SHRADER W D 7826	100441	
SHIMADA S 78772	SHIRAI W 72283	5729	20993 60365 102282	SHUMILIN P I 69053	
SHIMADA T 33873 64620	SHIRAIISHI S 30701	SHMAPKOV I V 19668	SHRAPNEL P 40924	SHUMILOV S D 11100	
SHIMADA Y 29659 47683	34272	SHMAKOVA A G 19668	SHREEK P K 13471	SHUMILOV V 33857	
SHIMAGAWA E 95794	100297	SHMALKO V S 14284	SHREIDER M N 84555	SHUMILOVA M N 89638	
SHIMAKATA H 28179	SHIRAKAWA K 34149	SHMANENKOV N A 32397	SHRETER A I 99967	SHUMKOVA I A 13053	
SHIMANOVSKAYA Z F 10699	58858	SHMATOVA M 85303	SHREVE L W 19934	41624	
10839 10840	SHIRAKAWA T 107994	SHMELEV B M 84316	SHRIDE C L 1895	SHUMKOVA M N 19563	
SHIMANSKII N K 100897	SHIRAKI K 96841	SHMELEV G 26567	SHRIFT A 1438 58862	SHUMNYI V K 47807	
SHIMANSKII P S 102595	84363 84364	SHMELEVA L 24867 96639	54821	SHUMWAY R P 82127	
SHIMANUKI H 63781	85874	SHMIDT E A 15175	SHRIGLEY C 54821	SHUNDI A 91210	
SHIMAZONO H 54233	83994	SHMIDT R G 88232	SHRIKHANDE J G 107524	SHUNK C H 3090	
SHIMAZU F 85040	33875	SHMIDT V M 36745	SHRIMPTON D M 36102	SHUPE J L 13142 13665	
SHIMBAYASHI K 3274	SHIRANOVICH P I 33509	SHMIDT W 15228	SHRISHRIMAL W C 45508	13737 22265 52475	
	33510 33511	SHMIGEL V N 16076	SHRIVASTAVA A M 3690	62374 63067 72188	
SHIMENO K 1193	SHIRASAKA S 1985	SHMIGELSKY S 55356	SHRIVASTAVA A N 35340	82169 82204 73629	
SHIMI I R 97472	SHIRATO T 100613	5671	SHRIVASTAVA C B 62682	104713	
SHIMIZU A 34495 36277	SHIRATORI I 38647		SHRIVASTAVA S 67902	54984	

ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
SHUPINSKAYA M D 60029	SIDOROV R I 102994	SIEVERS M --CONT 107693	SILVA B P DE 45848	SIMIC T 61886	
SHUPLIKO A N 60052	SIDOROV YU P 54759	SIEVERT C W 61677	SILVA C A DE 11154	SIMIOCHIEV T 42829	
SHURA-BURA B L 82298	SIDOROVA E 106992	SIEWERS E 61678	SILVA D A DA 22990	73432	
SHURA-BURA G B 94217	SIDOROVA S G 12602	SIEWERT E 103333	SILVA D M 47509	SIMIGIN P A 54759	
SHURAVILIN A V 42629	SIDORTSOV N I 1616	SIEWINSKI A 57968	SILVA F 29411	SIMINOFF P 21917	
SHURKIN V P 102230	SIDWELL A P 7293	SIFFIN C F 56884	SILVA G B C T DE 30674	SIMINOVITCH D 1195	
SHURPALEKAR S R 46484	SIDWELL G M 72758	SIFUENTES J A 90212	C B DA 13211	SIMION E 89683 100860	
SHURSKIKOVA N V 108970	SIDYAKIN G P 82744	SIGAUV E 79993	SILVA H C M DA 71965	18829 24650	
SHURTLEFF M C 36798	SIDZELNIK V I 58963	SIGAFUS R 59413	SILVA J E DA 5390	63454	
47168 47219	70781	SIGAFUS R E 48746	23682 23683	SIMION I 19912	
SHURYGIN A P 39670	SIEBEN W H 101194	SIGAL L A 64511	SILVA J J DA 64027	SIMION I T 1196	
SHURYGIN V 34989	SIEBENEICHER K G 70781	SIGANUR I SH 107762	SILVA J L M DA 26798	SIMIONESCU A 4918	
SHUSCHMAN A I 39670	SIEBER H 66847	SIGARKIN S S 11608	SILVA J M B DA 61206	SIMIONESCU C 61486	
SHUSHALY M A 65757	SIEBER J 65938	SIGEL E M 18108	SILVA J M L DA 72429	61493 61566 65335	
SHUSHKIN A A 100758	SIEBER K 79828	SIGEL M M 3993	104029	65336	
SHUSTER L 34573	SIEBERS A M 85723	SIGERNES A 106930	SILVA J R DA 79723	SIMIONESCU I 20614	
SHUSTOV YU P 83252	SIEBERT A 99922	SIGGS L W 43295	SILVA L 26568	96290 96889 101913	
SHUTAK V G 34702	SIEBERT J M 86902	SIGMOND E 67564	SILVA M A P DA 109163	101987 102030 102042	
SHUTE P G 14061	SIEBERT L 24356	SIGNORET J P 42235	SILVA M P DA 69056	SIMIONESCU I V 90827	
SHUTLIS A 45877	SIEBURTH J M 5944	SIGNORINI G C 31613	SILVA P G P DA 69056	SIMIONESCU K 25240	
SHUTOV G 28636	847623	SIGOV I I 56217	SILVA P H D H DE 42885	SIMITCH T 42054	
SHUTOV I V 102567	SIEBURTH MCN 97527	SIGSTADSTO G 26696	SILVA R L DE 88820	SIMIZU T 16461	
SHUTOVA L 44337	88194	SIGURBJORNSSON B 88392	SILVA T L DA 23168	SIMKO V 86237	
SHUTSKAYA E I 13143	SIECK K H 94108	SIGURDARDOTTIR B 52469	SILVA V D DA 105058	SIMKOVA A 41367 95150	
SHUTTLE-WORTH S G 65949	SIECK W 94108	SIGURDSSON B 77019	SILVA V P 21980	104516	
SHUTTLEWORTH J 97371	SIECZKA J 79732	SIGURDSSON H 36482	SILVA-BABO M 74654	SIMLOT M M 55737	
107841	SIEDENTOPF H A 62461	SIGURDSSON O 36438	SILVA-CALVO J 57782	SIMMERS J 50332	
SHUTTLEWORTH S G 97171	SIEDER L 23904	SIGURJONSSON A 44078	SILVA-FERNANDES A 27805	SIMMICH J 106719	
SHUTZE J V 4083	SIEDLECKI E 55542	SIGWALT B 47543	M 46214	SIMMONS A 17424	
SHUURMAN J J 28181	SIEDLER A J 35103	SIGWALT M 85007	SILVA-MARQUEZ O 46214	SIMMONS C W 12051	
SHUVAEV P 24784	SIEDLER A S 87816 108971	SIHTO E 96254	108750	SIMMONS F A 12455	
SHUVAL H I 11874	SIEFERT K 67432	SIHTOLA H 2983	SILVAN A 55933	21622 30638 30645	
SHUYLER H R 306	SIEFERT K 53286	3012 21593	SILVANDER B G 19353	51271 81512	
SHVABE A K 94066	SIEFKA A 57485	21620 21621	69251	SIMMONS F J 52746 94818	
SHVAREVA N YA 22038	SIEG 84815	SIIM A 72108	26022	SIMMONS H W 52747	
SHVARTS V E 77226	SIEG G 52633	SIMONAS A 28872	SILVEIRA A 26990	SIMMONS J H 99495	
SHVARTSMAN S R 103853	SIEG R 5876 53707	SIJAKOV I 62203	SILVEIRA-GA 98412	SIMMONS N W 8746	
SHVEDCHIKOVA N K 88548	15267	SIJBRING P H 55811	SILVEN F 40910	10042 10974 58456	
SHVEDSOV P 90826	SIEGEL A 68293	55812	SILVER A 51597	69057	
SHVETSOV V I 102551	SIEGEL H S 22667	SIJPESTEIJN A K 78775	104173	SIMMONS R C 30999	
SHVETSOVA N T 102551	31771 32108 42078	SIJTHOFF P VON B 40065	SILVER W S 39808	SIMMONS A G 91401	
SHVETSOVA-SHILOV- 23081	52302 62687 62761	SIKES D 104890	SILVERBERG J 30057	101624	
SKAYA K D 29350	93387 104245	SIKES J K 35204	SILVERBLATT C E 66201	SIMMONS A S 43087	
SHVYDKA E K 11469	SIEGEL O 36278 45189	SIKES W W 7328	SILVERBORG S B 8959	SIMMONS E 41111	
SHYAMALA M B 73461	46412 54964 65654	SIKHARULIDZE N SH 38407	SILVERIE C R 27354	SIMMONS E A 35155	
SHYAMJI M 106976	67364 108882	SIKKA H C 89682	SILVERMAN G 34188	55584	
SIBAE A H EL 23090	SIEGEL P B 4049 4050	SIKKA K R 47073	SILVERMAN G 24388	SIMMONS E J 31133	
SIBALIC S 87773	4189 22316 31771	SIKKA L C 48625	SILVERMAN G J 43931	SIMMONS F C 81526	
SIBALIN M 13870	52302 62687 93349	SIKKEL D 30190	78736	SIMMONS G C 12718	
SIBBALD I R 52211	SIEGEL S M 10041 58863	SIKOROWICZ Z 71669	SILVERMAN S F 87085	13037 41368 92556	
SIBBITT L D 48695 65699	69017 69055 100442	SIKOROWSKI P 63682	SILVERMAN W K 82478	SIMMONS G D 60590	
SIBERT I 7053	SIEGEL W C 21524	SIKORSKI J 107194	SILVERSIDES C R 61330	SIMMONS I G 77227	
SIBILIA C 7053	SIEGELMAN H W 9696	SIKORSKI Z E 96229	81332	SIMMONS J A 11101	
47169 47383	48624 100443	SIKORSKII A N 36520	SILVERSTEIN A M 42205	SIMMONS J R 53355	
55011 57324	SIEGENTHALER E 34448	SIL-CHENKO V V 68595	SILVERSTEIN R M 6008	SIMMONS J W 78814	
99240 99491	46485 54679 65181	SILAEV A B 8554	SILVERSTEIN S C 104441	SIMMONS K R 38805	
SIBILIU E 77408	74807 107049	SILAEV M P 4304	SILVESTRE M DE O 6317	41688	
SIBINOVIC K 103907	SIEGERT M 30998	SILANGHA S M 62376	SILVESTRI G 6759	72284	
SIBINOVIC S 41848	SIEGERT R 30998	104714	18244 47071 52894	SIMMONS M 38805	
SIBLEY D N 76640	SIEGESMUND K A 37762	SILANTEVA M G 63798	79724 96862 102041	SIMMONS N O 15795	
SIC R 62029	SIEGL O 13903 42340	SILBER G 416 100444	SILVESTRI R 31446	21032 25734 26315	
SICART M 23526	SIEGL R 65334 85633	SILBER M P 16744	51572	54738 107105	
23734	SIEGLE W C 30226	SILBEREISEN K 107995	SILVESTROV A D 77809	SIMMONS P 42740	
SICAULT G 57109	SIEGMANN 62905	SILBERMAN M S 13967	SILVEY D R 56607	SIMMONS R L 106633	
SICHEL G 95523	SIEGMANN D 26192	SILBERNAGEL M J 9136	SILVO O 2057	SIMMS B T 42184 67540	
SICHKAR P 25989	SIEGMANN W 69678	SILBINGER S 56505 56713	SIMA J 60791	67587	
SICHMANN V 29266	SIEGMUND O H 64046	56713 76341	SIMA O 4535 104810	SIMMS H S 104221	
SICILIANO J 6813	SIEGRIST J J 62375	SILCHENKO N F 2434	SIMA-RITIU C 1761	SIMMS J 1190 19147	
SICKFELD J 85625	SIEGRUHN F T 4231	SILCHENKO V V 68595	SIMAK M 9572	100435	
SICLARI F 79405	52207	SILCOCK K M 3765	47808	SIMMS R H 82872 93683	
SIDAMBARAM M 35486	SIEKIERA J 52208	SILDAN N 104199	SIMAKIN A 60435	SIMMS W L 51193	
SIDARDS F 63713	SIEKMANN H L 46332	SILEIKA V 29868	SIMAKOV I 84343	SIMO J 44236	
SIDODAPPA G S 6766	44192	SILEN R R 71287	SIMANCIK F 12130	SIMOGES G F 82016	
6852 10026	SIELAFF B 98628	SILER A R 79409	SIMANKOVA Z 77785	SIMOJOKI P 417	
16050 38641	SIELAFF P 5953	SILER R 93751	SIMANTEL G M 9618	SIMON B 6921	
55220 85797	SIELICKA B 52346	SILER W L 99784	37906 68647 78313	SIMON C 97773	
96896 106825	SIELICKA S 103208	SILFEBERBERG A H 18211	4839	SIMON E H 42117	
SIDDIQ E A 10841	SIELING C 5741	SILHAVY V 42949	SIMANTON W A 4839	SIMON E W 98684	
SIDDIQI A I 54888	SIEMASZKO J 79722	SILIN A 76087	23340 42706 105313	SIMON F 72973	
SIDDIQI M A 99494	SIEMASZKO S R 42653	SILIN P M 16460 107943	SIMANTOV A 45444	SIMON F G 9717 9718	
SIDDIQI M R 27366	SIEMINSKA J 36967	SILLO F 68422	8960 9138	SIMON G 39747 87368	
SIDDIQI S A 26824	36968	SILK J A 347	77810	SIMON H 14894 53086	
87594	SIEMINSKI J 107855	SILKETT R T 34273	SIMATUPANG M H 79912	89829 103336	
SIDDIQUI A H 35445	SIENKIEWICZ J 50155	SILKETT V W 30027	50143	64288	
SIDDIQUI M A 63442	SIEPE W 75857	SILL W H 454	SIMBOLI T 77604	105535 105589	
SIDDIQUI M R 57743	75858 75859	27344 42624	SIMCHEN H 77604	9102 10258	
SIDDIQUI S M 31989	SIEPER H 28383	SILLAR D I 69238	SIMCO J S 63509	10613 19418	
SIDDOURN J W 73742	87594	SILLARD R 76641	SIMEK J 95086	3691 31000	
SIDDOWAY F H 2590	SIEPKER A J 76642	SILLCOCK K M 3765	SIMEK F 26848 56507	52646 64655 69366	
SIDELNYK M A 57218	SIEPMAN A H J 15118	22307 26847	80988 107104	72124 100759 104041	
SIDEN W 1896	SIEPMANN E 25280	56506 87084	104516	104121 104205	
SIDHU G S 26012	SIERILA P 71555	SILLCOCK M 92244	104516	SIMON J E 52748 94339	
SIDIKI M M 80074	SIERING K P 66093	SILLI E 944	26795	SIMON J L 10664 39084	
SIDKO A A 20869	SIERK H A 17911	SILLIACUS L 7821	50082	39085 39086 39098	
SIDOKY A R 56357	SIEROTA W 65917	SILLIBOURNE J M 83425	SIMEON G 26795	59637	
SIDLAUSKAS A 29116	SIERPINSKI Z 53050	SILLIKER J H 6106	SIMEON S 50082	88946	
SIDORENKO I I 59599	53051 68207	84816	SIMEONE D H 22643	21207	
SIDOROV A I 63637	SIERRA-ALFANCA I 45443	SILSBURY J H 48400	SIMEONOV B 39557	60501	
SIDOROV F F 48745	SIERRA-PINEDA A 40544	SILSON C W 6740	92435	90238	
SIDOROV M A 83030	SIESJO B K 62671	SILVA A G D A E 43357	92554	63155	
	SIEVEKING W E 90562	SILVA A G DA 73111	92555	25159	
	SIEVERS A 27618	SILVA A M DA 76466	92555	48401	
	SIEVERS E 28182	SILVA A P DA 36746	92555	108883	
	SIEVERS M 40376	77245	92749	75655	
	66316 86257		87773	101349	
			87773	58145 89040	
				1197 48903	
				59379 59380 90180	
				20461	
				29801	
				79349	



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
SIMON-VICENTE F 32290	SINCLAIR K B 21956	SINGH M --CONT 30996	SINITSYN S G 102462	SITARAMAIAH D 10568	
SIMONART P 70375	52470 82848	38341 59084 59437	SINITSYNA N I 77812	SITARSKA E 63130 63156	
SIMONCELLI F L 55361	SINCLAIR M H 27013	61715 69660 76812	SINK J D 73001	SITCHIKHIN V 66368	
SIMONCINI A 35124	SINCLAIR R M 40815	79726 87504 101094	SINKER R F 20919	SITEK M 85368	
SIMONCISCS P 57494	SINCLAIR R O 35508	SINGH M M 7566 21584	SINKOV G I 64462	SITES J W 59533	
SIMONDS F A 61494	45459	34553 40541 67365	SINKOV I 95796	SITHISANK P 48795	
SIMONDS L A 96842	SINCLAIR R S 59166	SINGH M P 5424 20583	SINKOVA G M 57492	SITHOLEY R V 88195	
SIMONDS W E 95359	SINCLAIR S 26697	SINGH N S 89075	SINKOVIC B 72661	SITKO M 42292	
SIMONE J 47323 47324	SINCLAIR W A 77811	SINGH O N 92557	SINKWITZ P 43488	SITTE P 27620 37778	
SIMONE J B 83571	SINCLAIR W B 84817	SINGH O P 23255 23255	SINN H 12261	7901	
SIMONE M 34168 34178	SINCLAIR W K 104153	SINGH P 5127 5567	SINNAMON H I 44378	16877 98069	
55175 55532	SINCLIR J B 37349	14912 30339 47809	SINNEMA A 83364	39434	
55533	SINDEL J E 40670 50726	64211 95584	SINNHUBER R O 4509	82709	
SIMONE V DE 22400	SINDELAR J 102736	79384	55999	26699	
SIMONESCUC 61560	SINDELAR L 1428	SINGH P K 3279 4426	37817	80125	
SIMONET E 45934 46223	SINDELAROVA K 3692	SINGH R 11852 23254	23392	80195 80196	
56524 56553 86616	30963 31729	100099	46908	80197 80198	
SIMONET M 18651 39286	SINDEN J A 81276	98319	90189	47322	
SIMONET R A 107050	SINDEN J W 18108 58864	98245	17503	20554	
SIMONETTA R 103495	58865 60490	96862	84453	70446	
SIMONETTI I 6318	SINDEN L B 81276	20246	78200	20286	
SIMONIN G 45272	SINDING-LARSEN G 69916	99988	17425		
SIMONIS H 16462	90456	11011 11012	60503		
SIMONIS W 19154 38408	SINDYASHKINA R I 70358	SINGH R N 47766 89309	10045		
78776	SINE L 70782	99985	58867 69060		
29955	SINELL H J 16207 55451	59432	69062		
SIMONNEAU P 104204	55543 104544	67498			
SIMONNET H 84894	SINELNIKOVA V N 89686	20499			
SIMONNOT D 104442	SINELSHCHIKOV V I 7429	60220	SINZINGER E 66870		
SIMONOV A P 102734	SINESE J 55544	99497	SIO L 62144		
SIMONOV I N 55357	SINESHCHEKOV A D 21918	8824 9140	SIPAL Z 73358		
SIMONOVA I M 96323	109126	14379 14670	SIPES C R 107535		
SIMONS A K 64342	SINESHCHEKOV V A 48580	22259 47386	84642		
SIMONS D H 19155	SING E L 54494 85489	47387 60672	57648		
SIMONS J H 47385	SINGAL M S 25735	61187	31457		
SIMONS J N 19156 42630	SINGAPORE 16746	90888	2683 20750		
68690	SINGER B 456 37477	97571	60562 89986		
37776	SINGER R 42 17912	22670	104293		
39062	26971 67983 99124	103441 106155	106291		
SIMONSEN D G 48402	SINGER R B 5877	48747 48747	91764		
SIMONSEN H 86258	SINGER V 76379	SINGH S J 38771	70684		
SIMONSON R 21623 51272	SINGER W 10842	59251	71666		
SIMONSON R W 11428	SINGH A 2435 9473	18652	83076		
SIMONSON W H 44022	10043 10415 14143	59653	80777		
SIMONTE G 45611	20749 28183 28429	99986			
SIMONY J 11967	28601 29803 41464	106976	SIPPLE H L 46460		
SIMONYAN G A 13144	41465 43330 48880	18653	SIPPLE L 55934		
SIMONYI E 31001 104911	55813 68537 68641	60311	102231		
SIMONYI J M 106697	69631 71603 79047	100695	SIRAKOV G 51313		
SIMOR P 15841 44505	79725 89308 100445	103765	SIRBU G 80273 80274		
65337 75113	100898 102044 107253	4825 71665	80694 93957		
2497	107254	SINGH S S 23255 39749	91231		
SIMOTA H 58054	107255	76193 108040	82004		
SIMOVA D 34953	39936	76194	82003 82004		
SIMOVA J 34953	SINGH A K 10567 102029	38792	104287		
SIMPEENDORFER K J 50746	SINGH A P 99861	19031	91165		
SIMPENDORFER S 54680	SINGH B 1988 2960	19032	63363		
SIMPSON A 104934	4232 8824 10651	58457	SIRBU GH 82003 82004		
SIMPSON A W 21315	13636 22219 22669	78769	82003 82004		
SIMPSON B J 79195	28554 30338 42124	27619	104287		
100944	48315 63031 79369	89931	91165		
SIMPSON C F 62762 62164	98465 100869 104443	35829	62377		
93350	SINGH B P 22498 47544	72985	104415		
SIMPSON D R 73602	SINGH B S 74808	96623	61738		
SIMPSON F J 10170	SINGH C 32854	100898	31134		
69207	SINGH C B 60311 100024	39020	51682		
SIMPSON F M 35084	SINGH C M 4232 42203	39624	79056		
65878 86111 92671	SINGH C P 19669	57496	102552		
97147 97998 107694	SINGH D 10633 10634	60167	4233		
SIMPSON F W 89041	15769 26899 28813	3249	29194		
SIMPSON G 45849	58337 58338 68569	11179	99241		
SIMPSON G W 23247	68673 85634	58866	106552		
32793 52893 52895	SINGH D D 61531 81553	72109	35446		
56137 68278 70019	SINGH D K 99389	26846	107051		
SIMPSON I G 76342	SINGH D L 19029 19030	52429	69729		
SIMPSON J 44506 63782	SINGH D N 52728 99984	26698	78777		
SIMPSON J F 54889	SINGH D P 27628 30459	22023	23678		
SIMPSON J H 94012	SINGH G 1581 18675	20994	38996		
SIMPSON K 11609	43714 47230 48904	24933	67693		
SIMPSON L J M 67569	57495 59249 59250	106950 108663	78059		
SIMPSON M E 75141	66367 79196	SINGLETON E F 22023	28185		
SIMPSON R R 8961	100280 100898	SINGLETON H P 20994	91885		
77605	SINGH G P 10505 88822	SINGLETON J A 24933	65716		
SIMPSON R S 30629	SINGH G R 62906 104443	SINGLETON J R 53356	65717		
SIMPSON R S G 33579	SINGH G S 71665	SINGLETON J T 11776	58875		
SIMS A P 38409	SINGH H 716 717	SINGLETON O V 1542	22844		
SIMS E T 79602	2844 10975 18213	59252	82898		
SIMS G J 76811	29117 30823 41932	75809	11610		
SIMS H J 10504 19555	49379 56322 59880	SINGLETON R 78778	83365		
19564 50144 69586	86654 89931 90780	SINGLETON R J 78778	71173		
SIMS H P 102735	97918	SINGLETON V 54454	89608		
SIMS J L 60502 89685	SINGH H B 77180	SINGLETON V L 6319	38302		
102043	SINGH H G 100861	24711 85160	60673		
SIMS J R 29802 80003	SINGH H N 89309	SINGLEY M E 49345	86903		
80052	SINGH H P 83980	95795	22260		
SIMS P L 51737	SINGH J 4637 59453	22568 93153	91888		
SIMS R P A 19692 4766	59249 59879	41824	29805		
69058	103003	68209 68506	50146		
75426	20298	27213	3889		
SIMS W L 39409	SINGH J N 10044 20298	89326	1421		
SIMUNEK J 12719	SINGH J P 9990	84874	37671		
SIN E V 69438	SINGH K 12240 19690	101829	100699		
SINA P 6171	SINGH K D 17788	33281 43026	2711		
SINARD P 7191	SINGH K P 102368 103874	48403	21137		
SINGER N 52381	SINGH K R 107727	14144 23257	84358		
SINCLAIR A N 73164	SINGH K R P 73159	27486	1624		
SINCLAIR D 85779	SINGH K S 13674 41586	89687	82091		
SINCLAIR E 65515	62193	53007	27441		
SINCLAIR F 7925	SINGH L 54544	105342	77813		
SINCLAIR G D 71545	SINGH L B 28840	100173	100862		
SINCLAIR J B 18149	SINGH L P 59532	108884	41030		
47426 68128 68208	SINGH M 11763 19157	SINHA N S 861 15651	24936		
99496	28184 29799 29800	SINHA R C 14144 23257	62378		
		SINHA R D 89687	1422		
		SINHA R N 4826 53007	86212		
		SINHA S K 1198 19158	61795		
		26988 100173	2684		
		SINHA S N 108884	63633		
		SINHA S P 861 15651	99310		
		SINHA S S 14208	106377		
		SINHA T D 20303	10905		
		SINISCALCHI C 20918	65536		
			96906		

ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
SKELTON M 16208	SKORIN I E 81704	81836	SLATER E A 62545	SLOBODSKAYA G A 68958	SMETAN-NIKOVA A I 68748
SKELTON S 7765	81837	81837	SLATER J A 84051	78793	SMETANA A 83894 83895
SKELTON W E 66849	SKORKO R 55316	55316	95249	77409	94961 94962 94963
SKELTON W R 106922	SKORKOWSKI E 13355	13355	SLATER J V 105676	77410	94964
SKENE D S 34826	22401 22459	91802	SLATER J W 69063	SLOBODYANIK N 55814	SMETANA M 35126
SKENE J K M 29636	SKOROBGATYKH N N 41541	41541	SLATER K 22720	SLOCUMB J T 91708	SMETANA P 4051 13559
SKENE OF HALLYARD 80200	SKORODUMOV A S 101634	101634	SLATER SIR W 5998	SLOCUM G G 6132	82653
SKEPPER A H 27589	SKORODUMOV M T 4599	4599	33972 46528	SLOCUM W L 36176	SMETANNIKOVA A I 48411
20920	4600	4600	SLATER W 25250	86904	69064
102232	SKORODUMOV D S 30029	30029	106041	SLOEY W 56508	SMETANSKI R 54086
SKERMAN K D 93621	SKORODUMOVA A M 6396	6396	51273	SLOFF J G 97005	SMETNEV S I 7902
SKERMAN T M 78778	SKOROKHODOV P I 60097	60097	10847	36472	82705 98393
SKERTCHLY A R B 44507	SKOROMNIKOVA V 107022	107022	SLATYER R O 19161	44962	13258
65338	102233	102233	48406	53358	SMETZER D L 103988 104100
SKEWES A R 22428	SKORSKI A 33876	43742	SLAUGHTER R 97372	SLOJEWSKI R 2568	SMEYKAL K 94949
92924	43817	54031	SLAUGHTER G 41369	35830 90563	SMIALOWSKA Z 38857
SKHUNDOV M G 51550	SKORYNA S O 29792	29792	SLAVEODORDE S M 37355	SLOMAN K 86146	SMIBERT R M 1363
SKTAKER G 15318	SKOTLAND C B 47531	47531	SLAVEKOORDE S M 18214	SLOMNICKI I 58869	SMID M 92560 106467
83664	SKOTT W P 6827	18215 18216 18217	18215 18216 18217	59882	SMIDA J 93374
SKTRINSKI S 57497	SKOTTSBERG C 77024	18218 18219 18258	SLONE E 4996	59882	SMIDT 92561
SKIBIT7KE H 50333	SKOTTSBERG C J F 57287	37353 37354 37356	SLOINIMSKI P 104229	59882	SMIDT A C DE 92700
SKIDMORE E L 29459	SKOTTSBERG K 36488	37357 37358 37412	SLOINIMSKI P P 48215	59882	SMIDT D 13871 22878
100447	SKOU J P 33340	37387 37388 73987	SLOINIMSKI P P 48215	59882	63181 92562 104764
SKIDMORE P 5205	SKOUPY J 12131	90331	SLOINIMSKI P P 48215	59882	SMIDT W J 36459
5318	SKOV J 102597	38412	SLOOFF R 33238	59882	SMIERZCHALSKA K 28186
47866	SKOV K S 20921	48048	307	59882	SMIERZCHALSKI L 1467
SKIEDZIELEWSKI J 55980	SKOVBAEK J 56323	81513	SLOOTWEG A F G 39289	59882	SMILES D E 11178 49599
SKIERSKI A 29806	SKOVGAARD K 45728	89932	79797	59882	SMILES J 72506
SKIMKIN D B 66702	56107	19419	68389	59882	SMILEY J H 18769
SKINNEMOEN K 40453	SKOVGAARD N 7133	56000	68571	59882	SMILEY R L 94781
SKINNER D M 5546	75567	75922	68572	59882	SMILEY T L 81615 98790
SKINNER D W 36115	SKOVLIN J M 48889	84359	72423	59882	SMILGA J 81596 91602
SKINNER E Z 6012	SKOVORODA K M 64809	104444	72627	59882	91603
86146	SKOVYRONSKII V A 81858	104456	109180	59882	SMILIE J L 64530 70069
SKINNER F A 51405	SKOWRONSKA M 59990	90994	60303	59882	SMILLIE J L 41478
SKINNER F L 69917	SKRABANEK R L 46064	89828	70623	59882	SMILLIE K W 39390
SKINNER J C 1989	46079	67069	70624	59882	36834
23145 48989	SKREBTSOV M F 105441	24953	79102	59882	SMILLIE R M 28022
63455	SKREBTSOVA N 4995	92559	108480	59882	68248
SKINNER J D 3498	SKREBYS V 5806	60453	32120	59882	SMIRA F 61984
SKINNER J E 75732	SKRENTNY T T 92684	87942	12132	59882	SMIRNITSKAYA N E 55489
SKINNER J L 32023	SKRIPCHINSKII V V 19160	44670	104078	59882	SMIRNOFF W A 94410
SKINNER M M 70783	79197	77073	80201	59882	94484 105536 105898
SKINNER S I M 2291	SKRIVANEK V 17789	46027	80075	59882	106042
2292	SKROCH W A 11102	58499	20899	59882	SMIRNOV A 55357 102046
SKINNER S O 19719	SKRODZKI M 59381	47594	77279	59882	SMIRNOV A G 101236
78779	SKROMME L H 15077	22770	85237	59882	79014
SKINNER S W 86587	SKRYABIN F A 60823	11384	7054	59882	SMIRNOV A P 93228
SKINNER T C 69617	SKRYABIN K I 36427	49647	80202	59882	93351
96037	36480	52708	80650	59882	102047
SKINNER W I 107971	SKRYNNIK A M 83805	64047	7055	59882	SMIRNOV B 79852
SKIPPER H D 90717	SKRYNNIK N S 86437	23271	79198	59882	5056
SKIRDE W 1625	SKRYNNIKOVA I N 101875	37142	79056	59882	SMIRNOV E S 22024
38411 41248	SKRYPNIAK A 35125	37143	38856	59882	SMIRNOV I V 36022
SKIRGIELLO A 37016	SKRZETUSKI L 32475	21958	9251	59882	94174
37017	SKRZYNSKI T 64896	32208	77632	59882	SMIRNOV L E 20462
SKIRTA D M 4577	64897	82534	77872	59882	SMIRNOV M I 13501
SKJEGSTAD O K 8130	SKUDE G 82353	91904	4415	59882	SMIRNOV N 29118
SKJELMERUD H 102937	SKUIN K P 90338	3890	69363	59882	4466
SKJERVEN O 103580	SKUJA H 18654	2516	91665	59882	49729
SKJERVOLD H 22896	SKUJINS J J 11360	57649	29957	59882	49760
52129 62032	SKUKLA B L 85815	57650	70998	59882	26570
62464 66950	SKULMOWSKA-KRYSZ- 71807	48409	102553	59882	109130
103496 103941	KOWSKA D 59129	48410	102737	59882	109181
SKJESETH K 66951	SKULMOWSKI J 21957	59922	60674	59882	36524
SKJOLD S 19994	SKUNCKE F 12722	100211	48284	59882	105495
SKJOLDAGER R 67635	SKUPAS M 5026	14936	76396	59882	96284
SKLADAL V 69366	SKURATOVSKAYA I N 14333	73882	3854	59882	SMIRNOVA A P 22043
SKLAR R 28286	SKURDAL P 40438	105855	15701	59882	SMIRNOVA G A 103339
SKLODOWSKI P 60211	SKURDENIS V 39559	79261	44334	59882	9861
90805 90866	SKURTUL A G 70324	3333	104042	59882	SMIRNOVA I 73433
76343	70325	67393	89688	59882	SMIRNOVA O S 101762
SKLYAREVSKII O 106335	SKVALETSKII E N 29956	26895	36522	59882	1646
SKOB V A 60095	SKVORTSOVA P G 73524	34571	89511	59882	SMIRNOVA S A 99914
SKOBETS E M 101761	SKVORTSOVA S V 75744	34617	107482	59882	89688
SKOCHINSKAYA N N 39760	SKWIERCZYNSKA K 70784	22574	12978	59882	SMIRNOVA V 79874
SKOCZYLAS A 63032	SKYDSGAARD H 17396	52211	23938	59882	89457
SKODA R 32529	SKYDSGAARD J M 103876	82652	57203	59882	57492
33002	SKYE E 37604	71505	13983	59882	76785
SKODSHOJ H 20995	SLABINA M 91781	81514	67637	59882	SMIRNOVA-IKONNIK- 78781
45727	SLABINKA A I 81949	9564	47684	59882	78782
SKOG R E 102463	SLABONSKI A 28532	48835	67908	59882	32639
SKOGEN A 26900	SLABY J 36167	77896	78060	59882	SMIT A J V Z 52330
SKOGEN H 62379	SLABY O 14895	77896	99716	59882	101443
SKOGLEY C R 29239	SLACK A V 11866	60504	44700	59882	6000
29240 29352	59987	71954	55738	59882	54370
SKOGLEY E O 1199	SLACK N H 41466	6223	5938	59882	23963
SKOGLUND N A 11019	SLADE F H 6222	10845	52475	59882	84233
SKOGLUND W C 13600	SLADE G H 8747	10846	13770	59882	95667
22578 82699	10844	49253	49254	59882	31016 61888
93409	SLADE W B 107052	107052	49254	59882	20076
SKOK J 69124	SLADKI E 103255	29807	103877	59882	10848
SKOK R A 30702	SLADOVNIK K 29807	29618	27416	59882	32720 32737
51033 51314	SLAGER S 29618	72850	35698	59882	42544 42545 83270
SKOKAN V 40671	SLAGSVOLD P 72850	96480	35832	59882	SMITH A A 26193
SKOLD M D 65759	3123	73725	36523	59882	SMITH A C 54545 57652
SKOLDIN G 35697	SLAKOVIC S 3123	95248	73269	59882	SMITH A D 21392
SKOLIMOWSKI I 10506	SLAMA K 64124	94798	77606	59882	SMITH A F 28286 28287
SKOLIMOWSKI L 69587	SLAMECKA V 44961	8439	38413	59882	SMITH A G 1423 105537
SKOLMEN R G 81399	SLAMET A 44961	104221	98966	59882	SMITH A H 13560 37018
SKOLNICK S 54184	SLANDER J 8439	13145	66451	59882	66022 67934
SKOLNICK H 109036	SLANETZ C A 104221	84818	12003	59882	67983 79067
SKOLZAEV V 95838	SLANETZ L W 13145	84818	16519	59882	32851
SKOMOROKHOV A L 12721	SLANINA L 22261	52592	79889	59882	27621
21919	71808	92558	14646	59882	SMITH A K 7254 71218
SKONE D H 54965	SLAON F 108033	91601	10491	59882	55678 57147
SKOOG F 38112	SLASKI J 91601	87505	19164	59882	89427
SKOOG F E 63588	SLASTENKO YE N 87505	39288	86495	59882	68045
SKOPAC S 11968	SLATE G L 39288	105676	49896	59882	92357
SKORDA E 47388	SLATER A J 105676	81836	68958	59882	68748
SKOREM L 52384	81837	81837	84051	59882	83894
SKORIKOVA O A 83462	55316	55316	95249	59882	94963
	13355	13355	105676	59882	94964
	91802	91802	69063	59882	35126
	41541	41541	22720	59882	13559
	101634	101634	5998	59882	82653
	4599	4599	33972 46528	59882	48411
	4600	4600	25250 86904	59882	69064
	30029	30029	106041	59882	54086
	6396	6396	51273	59882	7902
	60097	60097	10847	59882	98393
	107022	107022	19161	59882	13258
	102233	102233	48406	59882	103988 104100
	43742	43742	97372	59882	94949
	54031	54031	41369	59882	38857
	29792	29792	37355	59882	1363
	47531	47531	18214	59882	92560 106467
	6827	6827	18215 18216 18217	59882	93374
	77024	77024	18218 18219 18258	59882	92561
	57287	57287	37353 37354 37356	59882	92700
	36488	36488	37357 37358 37412	59882	13871 22878
	33340	33340	73987	59882	63181 92562 104764
	12131	12131	90331	59882	36459
	102597	102597	38412	59882	28186
	29022	29022	48048	59882	1467
	56323	56323	81513	59882	50190
	45728	45728	89932	59882	49599
	66392	66392	19419	59882	72506
	7133	7133	56000	59882	18769
	75567	75567	75922	59882	94781
	48889	48889	84359	59882	98790
	64809	64809	104444	59882	91602
	81858	81858	104456	59882	91603
	59990	59990	90994	59882	70069
	46064	46064	89828	59882	41478
	67069	67069	24953	59882	39390
	105441	105441	92559	59882	36834
	4995	4995	60453	59882	28022
	5806	5806	87942	59882	68248
	92684	92684	44670	59882	61984
	19160	19160	77073	59882	55489
	79197	79197	46027	59882	94410
	11102	11102	58499	59882	105898
	59381	59381	47594	59882	106042
	15077	15077	22770	59882	102046
	60823	60823	11384	59882	101236
	36427	36427	60064	59882	79014
	76999	76999	52708	59882	93897
	83805	83805	64047		



SMITH A R	43890	ITEM 51938 67874	SMITH H	--CONT	ITEM 19890 78783	SMITH N	6922 44255	ITEM 43715 84629	SMOL YANINOVA L A	57492 25101	SNYDER F R		ITEM 3091 28188
SMITH A W	39560	46766	SMITH H A	13301	23100	SMITH N A		8920	SMOLARCUC A	83665	SNYDER F W	1201	26194
SMITH B		85636		31614	54966	SMITH N F		21270	SMOLARZ S	76344	SNYDER H E		55441
SMITH B A J		41550	SMITH H C	9252	32796	SMITH N G		61180	SMOLENSKI Z	101761	SNYDER J C	1202	1732
		97920	37144	61334	73232	SMITH N J	29182	67188	SMOLENTSEV P I	69069		10652	25982
SMITH B D	10849	10850		94273	99126	SMITH N M	18027	57838	SMOLIAK S	62764	49094		69706
	32855	83463	SMITH H D	12036	16747	SMITH N R		64780	SMOLINSKA T	71051	65162	65230	86200
SMITH B F		44510	SMITH H E	17976	44511	SMITH N S		16333	SMOLINSKI H J	82284	69782	81681	108136
SMITH B G C		79103			107196	SMITH O	25436	25451	SMOLINSKI S	100450	SNYDER J D		84762
SMITH B L		35487	SMITH H G		91022		55096	107302	SMOLJAKOVA V	101030	SNYDER J H		35700
SMITH B R	26134	89258	SMITH H H	1179	9511	SMITH O B		6576	SMOLKA K	74836	SNYDER J W		82728
SMITH B W		7056			100064	SMITH O E	8538	36597	SMOLONOGOV E P	70999	SNYDER L A	23699	37908
	47810	95797	SMITH H J	3517	4709		69067	78784	SMOLSKI S	30455			58453
SMITH C	4230	22897	18407	20078	39290	SMITH P		55060	SMOLYAK L P	28187	SNYDER L C		39291
		48087	SMITH H L	10046	30918	SMITH P E		28731	29460	50915	SNYDER M S		57703
SMITH C A	19671	27622	SMITH H M		44671	SMITH P F	38415	60505	SMOLYANINOV I I	50916	SNYDER R		90262
		91166	SMITH H N		82784	SMITH P G	59810	68309	SMOLYANINOVA N K	28796	SNYDER R L		62889
SMITH C B		48515	SMITH H P		95751	SMITH P M		18220	SMOOT J J	44792	SNYDER R W		76530
SMITH C C		65339	SMITH H R	26005	34618	SMITH P R		1706	SMOOTHEY W R	69918	SNYDER W C	37743	99439
SMITH C E	9045	28345	34619	54772	75074	SMITH P W		10852	SMORODINA V S	57148	SNYDER W E	719	8486
		38807		85541	107197	SMITH R	22357	35919	SMOTLACHA I M	47010			35913
SMITH C E G		4760	SMITH H W	2169	2436		45936	53868	SMOTLACHA M	8874	SNYDER W W		65080
		94219	4518	36457	49742	SMITH R C	40393	53156		44793	SNYMAN J G		25252
SMITH C F		73726		51715	73003		69068	75759	SMRCEK Z	62380	SNYTKIN G		106279
SMITH C H		22714	SMITH I D	13797	69439	SMITH R E	4281	43199	SMRCKA L	36168	SNYTKIN G V		102809
SMITH C I		27137	70876	90190	93592		60168	82283	SMRECZYNSKI S	5207	SO F S		87330
SMITH C J	32041	41995			97999	SMITH R F	24713	24714	SMUCKLER S A	97090	SO I G		51577
SMITH C K		81859	SMITH I M		3228	SMITH R F E		66369	SMULKOWSKI J	4897	SO Y		17557
SMITH C L		28930	SMITH J	29353	63059	SMITH R F	24713	24714	SMYK B	70399	SOALINI P		74168
SMITH C N	4761	14062	SMITH J A		18897		42436	54447	SMYRNOV O P	25102	SOAMES C	35701	35702
	23099	23125	SMITH J A C		101079	SMITH R F Y		78823	SMYSER C F	22569			36248
	25420	32721	SMITH J B		80768	SMITH R G	11491	79882	SMYTH A J	49897	SOANA I		64762
	42520	42546	SMITH J D	10851	52473		89871	105135	SMYTH H F	34118	SOANS A B		63893
	66317	73141	47697	52472	97212	SMITH R H	12723	23408	SMYTH J D	41370	SOANS R		7361
SMITH C R	13258	13657	SMITH J E		19080		23409	50842	SMYTH J R	22499	SOARES A J DO C		43028
	17089	21920	SMITH J F	29808	40066		54117	54127	SMYTH W	20252	SOARES F A	17790	48905
	37450	39113	SMITH J G	564	69555		61524	90290	SMYTHE R H	13386	SOARES R O		60984
	59075	66049			98782	SMITH R J	54132	67085		22442	SOAVE O A	41371	41878
	103988	104105	SMITH J H	11294	19808		81073	101579		22449			104219
SMITH C T		85540			85696	SMITH R K		8962	SMYTHE R V	94457	SOBACHKIN A A		58767
SMITH D	19356	36495	SMITH J H C		1424	SMITH R L	1423	2440	SMYTHIES B E	50484	69272	69273	70567
	47170	48834	SMITH J H G		11901		20477	28775	SNACKEN F	101876			70625
	58870	77858	21168	40649	61006	SMITH R M	50390	91357	SNADNER H	83885	SOBAKINSKIKH V I		66573
	106328	108033		80913	80989	SMITH R N	41749	57839	SNAITH J W	6631	SOBCZAK Z		63053
SMITH D A	26206	64247	SMITH J K		25251	SMITH R S	17005	26488		34557	SOBECK-SKAL E		24906
		98070	SMITH J L	3090	52646		35520	37360	SNAPIR N	62714			106923
SMITH D AH		89888			69066		45937	47389	SNAPP O I	23341	SOBERNHEIM G		17391
SMITH D B	17015	24340	SMITH J M		21385		66952	76451	SNAREY M	52708	SOBERS E K	37361	58012
SMITH D C	10478	38414	SMITH J N	53523	105768		76452	100449	SNATZKE G	69313	SOBEY W R		22739
SMITH D D		70836	SMITH J P	30051	40367	SMITH R W	11138	101625	SNEEDDON J L	79406	SOBIECH T		31597
SMITH D E		47598			91379	SMITH S		84388		79727	SOBIESZCZANSKI J		98784
SMITH D G		49761	SMITH J P C		24071	SMITH S C	8031	8032	SNEDECOR J G	82654			98785
SMITH D H	1387	2630	SMITH J R	45119	88019			52285	SNEEG J	862	SOBIESZCZANSKI P		59254
	100794		SMITH J R L		38514	SMITH S E	22117	22731	SNEEL A W	94572			89690
SMITH D L T		76535	SMITH J S		15350		31145	62017	SNELL C T	80672	SOBK O A		60675
		83078	SMITH J W	7541	45010	SMITH S F	32144	66964	SNELL F D	64727	SOBKOWICZ G		75860
SMITH D M	10259	26042			70120	SMITH S G		98783	SNELL J B	13970	SOBKOWSKA E		85961
	34250	60870	SMITH K	32276	42198	SMITH S J		8620	SNELL P E	55455	SOBOCINSKI W		28602
SMITH D N	51145	51363	SMITH K D		14671	SMITH S L		52286	SNELP N O	87506	SOBOL V		16748
SMITH D R	1200	11611	SMITH K G	53287	5321	SMITH S R	34083	34084	SNERSRUD T	109123	SOBOLEV A I		78615
	51448	73773	14672	23698	73674			44023		109190	SOBOLEV L N		47685
SMITH D S	43113	53155		73675	88031	SMITH S T	103735	103808	SNETSINGER D C	4103	SOBOLEV S		20996
	61005	63973	SMITH K H		2705	SMITH T A	1425	48626		93154	SOBOLEV S S		2611
SMITH D T		53975	SMITH K J		13735			105790	SNETSINGER R	42631			30930
SMITH E B		47811	SMITH K M		74665	SMITH T B		107764		53215	SOBOLEV V A		33877
SMITH E E		24470	SMITH K W		51616	SMITH T J	48829	90221	SNETZINGER D C	62774	SOBOLEVA T I		70020
SMITH E F		22094	SMITH L		34604	SMITH T L		36046	SNEVA F A	9330	SOBORN J		1426
SMITH E H	23047	67499	SMITH L A	12883	29797	SMITH V R	62389	103878		28648	SOBRAL M		63311
	96177	98466		31217	72334	SMITH V T		65110		69588	SOBRERO R		3280
SMITH E J	50417	57498	SMITH L B	8748	8749	SMITH W	12617	35868	SNEYD J H	97921	SOBRERO R	61750	62629
SMITH E L	18934	23258	26986	43027	46909		37044	103497	SNIAADOWSKI Z	60649	SOBRIN E		25367
		54117	88394	88395	88395	SMITH W C	4519	93512	SNICK G V	22929	SOBRIN E		26142
SMITH E M		82979	SMITH L F	12036	61092			93900	SNICK G VAN	3766	SOBRINHO J A		9811
SMITH E S	7507	37359		61172	71204	SMITH W F	3961	104566	16224	52518			11787
	49005	100859	SMITH L H	9619	24383	SMITH W G		66687		52520	SOBRINHO J S		10047
SMITH F	54132	89780	28430	58667	61679	SMITH W H	22042	31149	SNIDEMAN M L	84129	SOBTI S N		68573
SMITH F D		77042			96112		32378	41486	SNIDER E	75833	SOBY A		26518
SMITH F F	4878	9223	SMITH L J	4621	5932		42254	44789	SNIDER R J	43384	SOCHAVA V B		77038
	37058	42728	23014	42329	62141		82785	82785	SNIDOW B	41467	SOCHOCKA A		62765
	73284	83488	SMITH L L	34878	63835		82786	82787	SNIEGOWSKI C	77885	SOCHOCKA J		95733
SMITH F G	5945	9105			80546			85841	SNIESZKO S F	97527	SOCHITI H	101635	101716
	14324	14325	SMITH L M	53591	57046	SMITH W K	38630	57926	SNIZEK M	4535	SOCINI P		31793
		73434	62296	63658	73902		2610	70837	SNOODGRASS F B	16499	SOCOL E		103879
SMITH F H	44963	88631	73903	74759	82102	SMITH W L		75346	SNOODGRASS G F	11777	SODA G		97356
SMITH F L	15935	55076		85041	95625			84691	SNOODGRASS M M	75960	SODEMAN W A		84025
SMITH F V		72695	SMITH L P	58011	77097	SMITH W M		88823	SNOODGRASS O D	84360	SODEN A L		16372
SMITH F W	38717	50147			102234	SMITH W P C		62034	SNOODGRASS R E	57242	SODEN R W		50334
		68936	SMITH L P F		35699	SMITH W R	21500	20270		63836	SODER C		25786
SMITH G	8873	20077	SMITH L T		13435	SMITH W W		94019	SNODGRASS R P	8001	SODERBERG A D		80651
	24146	103716	SMITH L W	5362	11083	SMITH Y C		20398	SNOECK J J	39625	SODERBERG P		61302
SMITH G A	54681	65182			43332	SMITH-WHITE S		47812	SNOEK T J	45852	SODERBERG S		61450
		76644	SMITH M	22446	50914	SMITHCORS J F		21921	SNOEYENBOS G H	32005			61451
SMITH G C	30601	87162	51314	52111	56881			22447	SNOERUP S	718	SODERHOLM I		25242
SMITH G D		11429	71288	84381	86320	SMITHERS C N	14989	23905	SNOOK R	52112	SODERHOLM P K		59759
SMITH G H		41926			99546		84235	95669	SNOOKS E C	20079	SODERHOLM R		86114
SMITH G J	17210	46215	SMITH M A	16520	56883	SMITHSON F		37744	SNOPE A J	8621	SODERLIND S		7116
SMITH G K A		62556	SMITH M B	55739	97572		9969	77228	SNOPEK B	64368	SODERLIND T		106744
SMITH G L	9510	23191			19124	SMITHINAND T		46910	SNOPKOVA Z	104258	SODERLUND J A		71404
	57653	9902											

SOEHNER E	ITEM 67984	SOKOLOWSKI K	ITEM 27039	SOLOVEV V *	ITEM 50747	SONNEMANN W F	ITEM 19844	SORIANO S	ITEM 80126
SOEKARNO H	35311	SOKOLOWSKI W	31069	SOLOVEV V P	74068 84316	SONNEN F J	5878 43716	SORM F	55624 89840
SOEMARDJAN S	56757		33974	SOLOVEVA E I	48157	SONNENSCHN L J	66464	SORMAN L	64770
SOENEN A	47813 78786	SOL H H	9253	SOLOVEVA M A	55012	H M		SORMOVA Z	69169 69170
SOERENSEN B	104135	SOL R	33196 42572	SOLOVEVA T A	57785	SONNENSCHN R R	62653	SORNICLE J	4234 61757
SOERJOWINOTO M	105136		63992	SOLOVEVA T P	46771	SONNEVELD C	20646	SORDA Y PINEDA J	75733
SOET F DE	46028 98071	SOLA CATALA J	32532		49141		20687	M DE	24847 85698
SOET H I		SOLANAS J	96907	SOLOVEVA T YA	86072	SONNICHSEN H V	13387	SORCHINSKAYA N F	86772
SOFIEV E	16878	SOLANDER D C	57263	SOLOVTSOVA T A	8465	13388 22262	103742	SORKA A M	66956
		SOLARES T L	103533		86884	SONNIER A	16921	SORKA V R	54498 97083
SOFIEV E S		SOLARI J	103534	SOLOZHENIKINA T N	105358	SONNIER E A	19446	SORKIN C	10260 78789
SOFINSKAYA V I		SOLARSKA J	60506	SOLTAD A K	26504		100863		89693
SOFLETEA I	62909	SOLARSKI H	60627	SOLT K	93340	SONNTAG B H	7903	SORKIN H P	47171
SOFOULIS J		SOLARZ J	60627	SOLTAN M	95894		87089	SORKIN J I	78790
SOFRENOVIC D		SOLATAREV E	26849	SOLTYM A S	61889	SONODA A	93888	SORKIN P	91969 92046
		SOLBERG E D	1528	SOLUN A S	180	SONODA K	93888	SORKIN P P	34965
	32531 41746		46030	SOLVANG A	57110	SONODA M	32109	SORKIN YU I	17863
SOGABE K		SOLBERG P	24934	SOLVERUD S	31523		33878	SORKINA A A	31474
SOGALE K			34325		85238		41854		52653
SOGANARES-BERNAL	17426		44284 60507	SOLYAKOV P	28534	SONODA Y	27969	SORKINA E I	55741
F			74767 74809	SOLYMODS R	2859	SONOMURA M	33820	SORKINA T A	11320
SOGN L			85206 85282		21208	SONTE J F	29459		21035 60221 80090
SOGNEN E			85284 85285	SOLYMOSEY F	18354	SOO R	36747	SORKO N	102049
SOGO M	41144		85287 85288	SOLYMOSEY S L	43		88196	SORKOWSKI R	20305
SOHAL R S		SOLBERG R A	18353		90624	SOO T P	101070	SOROUR F A H	58877
SOHAL T S			68255 68262	SOM R K		SOOD V K	66041	SORRELS S S	99499
SOHI G S	64246	SOLBRAA A	40747	SOMA E	27424		107765	SORSA B	40964
SOHI S S		SOLBRIG O T	145	SOMA L R	104044	SOODANBEKOV K A	55936	SORSA V	9513 47815
SOHIER Y			8750 27604	SOMAAATADJA D	25369		87210		47816
SOHMA K		SOLCIA E		SOMADIKARTA S	8361	SOOFI G S	39954	SORSENSEN A M	32273
SOHNE W	64565	SOLDADO O D	41723	SOMATAH K T	52331	SOOMAR A S	29811	SORTEBERG A	11295
		SOLDAN G	11778	SOMAYAJULU B A R	55680	SOONTHAROTOK U	80422	SOS J	87770
SOHNS V E	34942	SOLDATENKOV P F	109157		57525	SOOS A	5323	SOSA A H	40672 80915
SOHONIE K	15929	SOLDATENKOV S V	19165	SOMBATSIRI K	58876	SOOS B	39292		81277
	19262		69070	SOMBERG S I	2735	SOOS G	17071	SOSA DE CARUSO N	61746
SOIDATOV G M			105463	SOMROONWONG B	57206	SOOS P	24085	SOSA-MONTERO B	49898
SOIFER F K		SOLDATOV V I	59654	SOM R P DE	4145	SOOST R K	823	SOSEBEE M E	55740
SOIFFER V N		SOLDATOVA R YU	82945	SOMER V	30660		37909		97373
SOIKA A G	43227	SOLDEVILA M	64593	SOMEREN C L VAN	11695	SOOT E	46644	SOSEDOV N I	7057
SOILA R	34554	SOLDNER W L	22715	SOMERS E	18204	SOOTER C A	104128	SOSELYA S D	74656
SOILEAU J M		SOLE-GONDOLBEU E	80914	SOMERS F	18221	SOPER F L	94221	SOSINSKI G	54196
SOINE H		SOLECKI J J	74040	SOMERS' F	70627	SOPER J H	159	SOSIPATROV G V	104917
SOINE O C		SOLENVI P	36741		80784		88396	SOSKIN A A	42143
SOINNEN A		SOLER B	107766	SOMERVILLE I C	35128	SOPER R J	11313	SOSNICK S	27441
SOITU C		SOLERE M	107766		86245		29524	SOSNICK S H	84896
SOJAKA J		SOLES R L	83511	SOMERVILLE J M	108334	SOPER R S	33282		
SOJDE S		SOLHEIM W G	37013	SOMES H A	21289	SOPER V R	81561	SOSNIN N A	11104
SOJKA E	38276	SOLIGNAT G	90374	SOMKOWICZ W	53894	SOPER W W	15230	SOSNOVSKII D I	57526
		SOLIMAN A A	63584	SOMKUTI E	57325	SOPH A	31056	SOSNOWSKI A	92869
			84049	SOMMA G	25736	SOPHER D	76580	SOSO C	46414
SOKAL R K		SOLIMAN A S	84050	SOMMACAL B	96182	SOPHIAN T	76044	SOSSOUNTZOV L	38418
SOKAL R R	23772		47911	SOMMAIN G DE	72493	SOPHIAN T J	13313	SOSTARICH C	21386
	42886	SOLIMAN F A	78315	SOMME L	14250	SOPOCKO W	59383	SOSULSKI F W	10050
			82018		33023	SOPPOV G K	7926		100453
SOKHADZE E V		SOLIMAN M H M	82849	SOMMER E	1672	SOPP L	21170	SOSUNOVA Z	19566
SOKHADZE M E		SOLIMAN M K	19376	SOMMER F	8624	SOPPER W E	29322	SOSYAK G K	66287
SOKKAR I M	13483		4006	SOMMER F	50853	SOPRA M DI	7979	SOTA E R DE LA	17826
SOKKAR I M KH		SOLIS J A	82246	SOMMER G	50854		16941		98997 98998
SOKOL A		SOLLARS W F	71809	SOMMER H G	107487	SOPROMADZE A N	10178	SOTAVALTA O	14400
SOKOL J	52592	SOLLER M	86031	SOMMER H	17791	SOPSARN C	48748		14673 63837
SOKOL P F		SOLLER M	42141	SOMMER N F	80076	SOR K	106485	SOTH L	8131
SOKOL V A			12835		19420	SORAN V	18623	SOTIROV G	66426
SOKOL W			104587	SOMMER O	55195	SORAO-Y-PINEDA J	16334	SOTO AGUAYO J	19724
SOKOLIC A		SOLLERS RIEDEL H	63510	SOMMERREYNS G	3694			SOTO T	49066
SOKOLOFF A	5209	SOLLERS-RIEDEL H	4762	SOMMERFELD K	27244	SORBI U	87287	SOTOMAYOR I	70327
	63974 94965		94220	SOMMERFELDT T G	97774	SORBOE M M	26850	SOUTBEYAND G	100454
SOKOLOVADOMANSKA		SOLLI S	81333	SOMMERKAMP G	20463	SORCE G	17427		101129 101195 107234
YA N P			91551		33589 64485	SORDEN L G	17342	SOUBIES L	49698 80149
SOKOLOV A		SOLLIE C R	56729	SOMMERMAN K M	74121	SORDOILLET R	34827		80423
SOKOLOV A A		SOLLIG V	87088	SOMMERS R A	91167		44672 55199	SOUCEK R	15268
SOKOLOV A K		SOLNTSEV A I	12725	SOMMERS R A	64078		65630 107321	SOUCHERE M	87380
	19913 89691		12726	SOMMERVILLE R	25253		107387 107388	SOUCI S W	6133
SOKOLOV A V		SOLNTSEV K M	71667	SOMMERVILLE R I	4417	SOREIDE K	86368	SOUDEK D	9482
	40067 50148	SOLNTSEVA I O	68357	SOMOGYI L P	51598	SORENSEN A	19770	SOUDEP P	39561
SOKOLOV B P		SOLNTSEVA I I	9443	SOMOGYI M	7644	SORENSEN A M		SOUED A	96767 96768
		SOLNTSEVA M P	99987	SOMOGYIOVA J	32529	SORENSEN D K	79492	SOUILJAERT G	70021
SOKOLOV F A		SOLNTSEVA M P	9582	SOMOGYIVARI K	32529	SORENSEN E L	93587	SOUKACHOV V N	81173
		SOLDOVNIK M G	68210		73002	SORENSEN E	22413	SOUKUP J	10854 46767
SOKOLOV G A		SOLODUKHIN E D	21316	SOMOGYIVARI V	13015	SORENSEN F	48834		48265 48415 67752
SOKOLOV I		SOLUGUB D	95839		31346	SORENSEN H B	77023		98787
SOKOLOV M S		SOLMATIN A O	73540	SOMOGYIVARI V	19565		44577 44673	SOULE R P	103596
SOKOLOV N	40036	SOLOMATIN I	89692		69440	SORENSEN J	75923	SOULERES G	61398
		SOLOMENTSEV N A	80517	SOMON E	100700	SORENSEN J B	65631	SOULIDES D A	60222
		SOLOMON B	55679	SOMONYI E	31615	SORENSEN L O	93155	SOULE J	23806 33342
		SOLOMON D D	27071	SOMORA J	78063		100452		33347
SOKOLOV S YA		SOLOMON E	96446	SOMOS A	20187	SORENSEN L Y	26942	SOULSBY E J L	12727
		SOLOMON J D	33379		29120		66955 93355	SOULTANOPOULOS C	23324
SOKOLOV V P		SOLOMON M E	53008	SOMOV G P	38952	SORENSEN M	51632	SOULTANOPOULOS C	18014
SOKOLOV V S		SOLOMON T J	66243	SOMOV G VAN	66954		51700	O	23320 23321 23322
SOKOLOVA E A		SOLOMON V B	77779	SOMONAK V A	83272	SORENSEN N A	51707		23325 105751
SOKOLOVA I B		SOLOMONOV KH	82760	SONDABO H K	83273		12392	SOULTANOPOULOS C	23323
			104613	SONDEL J	64230		19421		
SOKOLOVA K F		SOLOMOS P	45980		67393	SORENSEN P	106944	SOUHMAGNAT M DE	40070
SOKOLOVA L M		SOLOMOS T	69168	SONDORER J A	103595	SORENSEN P H	4620	SOUHITHI T C	56332
SOKOLOVA L N		SOLONEVICH N G	58187	SONDORER J A	72359		22193	SOUNDARARAJAN T G	19568
SOKOLOVA M D		SOLONKO M F	60508	SONDEREGGER H	101580	SORENSEN V	25421	SOUNDARAPANDIAN G	10072
SOKOLOVA N S		SOLOPOV I S	100096	SONDORER J A	7384	SORENSEN E L	77858	SOUPAULT J M	46216
SOKOLOVA N YU		SOLOPOVA A I	15966	SONDORER J A	60565	SORENSEN G D	13147	SOURKOVA A M	77285
	42888	SOLOSHENKO I Z	14475	SONDORER J A	44512	SORENSEN J W	54699	SOUZA E MELLO J	59477
SOKOLOVA S V		SOLOTAREV E	90064	SONDORER J A	73840		65722	DE	
SOKOLOVA T A		SOLOVEV A P	58875	SONDORER J A	16050	SORENSEN L O	25737	SOUSA E P DE	88397
		SOLOVEV D T	25747	SONE T	88885	SORENSEN V L	25738	SOUSA J A G	106236
SOKOLOVA V A		SOLOVEV F A	104916	SONEA V	57840		76813	SOUSA J DE	36562 83261
SOKOLOVA V E		SOLOVEV G	22716	SONENSHINE D E	53216	SORESSI G P	47837	SOUSA S I DE	9620
SOKOLOVA V S			13561		94695	SORET M	87288	SOUSA-E-MELLO J	90291
SOKOLOVA Z			93354	SONGCO M M	75528	SORG A	67366	DE	
SOKOLOVSKAYA A P		SOLOVEV I V	82950	SONI R C	30165	SORGEI H A	91397	SOUTAR N M	4674
		SOLOVEV P E	91528	SONLEITNER F J	5322	SORGER G J	19422	SOUTH A	83366
SOKOLOVSKAYA I I		SOLOVEV S I	32423	SONMEZ R	52385	SORHAUG K	85697	SOUTH D R	102436
SOKOLOVSKII S P			32424	SONMOR L G	1013	SORIA F	105769	SOUTH R	43296
SOKOLOV B P		SOLOVEV S P	35455		101647	SORIA V J	39626	SOUTHAARD A R	49899
SOKOLOV W S			85597	SONNEBORN D R	9512		90781	SOUTHCOTT B A	45378
SOKOLOWSKA F		SOLOVEV V	35127	SONNEMANN T	45729	SORIANO A B	55937	SOUTHCOTT R V	17428
SOKOLOWSKI A W		SOLOVEV V I	80892		96146		75861 97474		109183
	78062 99798								



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
SOUTHCOTT W H 52417	SPARKS J 23807	SPENCER D M 99269	SPITZER K 95524	SPRYSAK A 3695	ITEM 51599
SOUTHERLANDC 52445 72871	SPARKS T G 90960	SPENCER E Y 68212	SPITZER R R 6577		92565
SOUTHERN J H 51368	SPARKS W C 5954 44751	77814	SPIVAKOVSKII N D 102050	SPURGEON W I 69473	70098
SOUTHEY J F 45440	49375	SPENCER F W 41815	SPIVEY C D 29812	69474	70098
SOUTHGATE B A 47595	SPARKS W J 55763	SPENCER G J 94021		SPURLOCK A H 6841	
SOUTHGATE B J 63482	SPARNAATJ L D 58879	94222 94967	SPLAWA-NEYMAN S 40855	76691	85872
SOUTHLIN J L 14566	60053 90782	98630 98631	SPLETTSTOSSER H 41442	SPURLOCK D H 10952	
	SPARRE B 36918	SPENCER G W 102267	SPLINTER W E 74094		17226
	SPARRE F D 27418	102283	75907	SPURLOCK G 4324	
SOUTHON H A W 33166	SPARROW A H 1203	SPENCER J E 79199	SPLISTESER H 52787	SPURLOCK G M 25944	
SOUTHWELL M L 41525	27454 27953	SPENCER J F T 9181	SPLITTGERBER H 93514	SPURLOCK H C 26943	
		SPENCER J V 7356	SPLITTSTOESSER C 63417	34753	87595
SOUTHWELL P H 95951	SPARROW F K 67985	35243 97300		SPURLOCK H H 108885	
SOUTHWICK F W 25517	88032 88825	SPENCER K 10053	SPLITTSTOESSER D 55013	SPURRY O 13148	
		SPENCER K A 5324	F	SPURR H W 47454	
SOUTHWICK L M 58878	SPARROW G A 16592	14674 23700	SPLITTSTOESSER W 58882	SPURR S H 30303	40557
SOUTHWICK R A 53826	SPARROW G M 59760		E	50510 71056	81028
SOUTHWOOD T R E 75906	SPARROW R C 1203	SPENCER K L 104069	SPOCK J 75022	SPURRIER E C 49493	
	SPARROW T R 49492	SPENCER L 85371	SPOEK G L 94782	SPY G M 3891	
5425 14401	SPASIBIN I 51586	SPENCER M 6923	SPOEL-WALVIUS M R 27623	SPYNU E I 83173	
SOUTHWORTH H M 24439	SPASIC M 9141	19315 48586	VAN DE	SQAPI V 52522	
	SPASIC P 20762	SPENCER R 7567	SPOELSTRA D C 79048	SQUADRONI G 7799	
SOUTHWORTH J M L 106578	SPASOV D 55816		SPOELSTRA P A 64658	SQUIBB J 98073	
SOUTHWORTH J W 151939	SPASOV S 29121	SPENCER R T 1990	SPOKAUSKAS A 49835	SQUIBB R L 4236	22673
		10976 20159	SPOKAUSKIENE O 37362	22674 52287	82656
SOUTHWORTH W B 34620	SPASSKII A A 42456	2492	SPOKITIS A 58837	SQUIBBS F L 79727	
SOUTO J 57421	94033	SPENCER W F 80019	SPOMER G G 100423	SQUILLACE A E 2849	
SOUTY 38986	SPASSKY B 5257	54132	SPOON W 26213		102739
SOUTY J 79443	43058 83932	SPENCER W W 38075	SPOONER A E 59384	SQUIRE H M 1104	1105
SOUTY M J 101130	SPASSOV S 29091	SPENCER-BOOTH Y 79719		SQUIRE M J E 15209	103138
SOVERAIN R 74454	SPATARU C 65783	59885	SPOONER G M 5548		84930
SOUZA B A D 45090	73439 73454	94573	SPORHAN-KREMPEL E 57326		10508
SOUZA D M DE 48750	SPATARU P 5033	SPENGLER J J 33975	SPORIDI G H M 66244	SQUIRE R A 41373	
SOUZA H S R DE 24715	SPAUDLING C F 56219	33975	SPOEL H H 51221	SQUIRES V R 82878	
	SPAUDLING I A 76567	36329	SPOERN A 96186	SQUIVET-DE-CARON-DELET J 77447	
SOUZA R G DE 88500	SPAUDLING S E 101364	SPENNEMANN F 101063	SPOERNE K R 58341		
SOVA Z 12643	SPAUHL H 16750	SPENSER I D 38553	SPOERN H 61875	SQUYRES L 20081	
13390 13391 13392	SPAWN G B 46634	SPERANZA E 87290	SPOERN H 61875		
13393 13394 31693	SPEAKE T 38630	SPERBER J I 67753	SPOERN H 13356		
52113 92750	104045	SPELICH D 5268	SPOSITO G 20368		
SOVANY ZS 78788	SPEAKER E B 91443	44618	SPRADBROW P B 72286		
SOVERS E 19558	SPEAKMAN J B 25254 25255	96755			
SOVESHCHANIE P O 9514	SPEAKMAN P T 34621	SPERLING E 10054	SPRAGG S P 54132	SRAMEK-HUSEK R 98553	
SOWA J 92924	SPEAR A G 91211	SPERLING F G 52297	SPRAGGINS T L 27107	SRB A M 58458	
SOWA R 43385	SPEAR M L 72915	SPERLING J 85161	SPRAGUE E W 1988	SRB V 9400	
SOWDEN F J 2148	73031	SPERLING M 96325	SPRAGUE G F 863	SREBOCAN V 93213	
SOWDER A M 21678	51315	SPERONI N A 27473	1427 10377	SREDOV D 43692	84438
	61543	SPEROTTO A 12133	27765 36589	SREKANTIAH K R 65633	
SOWELL G 37413	SPEARS J S 60893	SPERRY P E 34966	SPRAGUE J I 41526		
SOWELL W F 60824	SPECHT D 65942	SPESHILOV M 34438	51777	GREENIVASAN A 17219	
SOWELLS F 43254	SPECHT G 40138	SPETH C F 82125		24555 25346	25359
SOWER C 87555	69367	SPICE H R 90263	SPRAGUE M A 950	25464 25465	27340
SOWERS D W 61173	SPECHT H B 63720	SPICER C R 20080	11016 48417	46484 76885	76886
SOWINSKI J 28194	SPECHT R L 584	SPICHER G 16159		89952 97258	107761
SOYDAN A 68211	SPECK M L 6375	SPICHKINA T G 102977	SPRAGUE M L 74452		108970
SOYERMAN A 10051	9360	SPICKETT S G 19067	SPRAGUE R V 418	GREENIVASAN K 54892	
SOYSA W D 15556	SPECK N H 10514	SPIDLA J 18807	SPRAGUE V G 46703	GREENIVASAN M S 18181	
SOYSTER H E 48622	20541	SPIEGEL-ROY P 58880	48906	GREENIVASAYA M 28196	
SOZERI S 57302	SPECK R V 103405	SPIEGELBERG E 45938	SPRATLING F R 62335	SREERAMAMURTHY V 20465	
SOZINOV A A 78791	SPECKMANN E W 4235	SPIELBERGER U 12998	SPRAUT E D 1561	SREERAMAMURTHY V 67754	
SOZINOV B F 7904	SPEDDING C R W 13658	SPIELMAN A 23735	SPRAU F 18193	88826	
SOZYKIN N F 90821	93617		77933	SRERE P A 23906	
SOZYNSKI J 78828	SPEED D W 37492	SPIELMAN R H 99748	SPRAVITSEV N KH 4418	SRIDHARA S 5029	32984
SPAAR 89503	SPEEL H C 86323	SPIELMANN H 17127	SPEAFICO L 66171		73463
SPAAR D 17072	SPEER E W 92564	SPIELMANN O 4997	SPECHER E 59076	SRIDHARAN C S 60676	
SPAARMANN W 32479	SPEER H L 9830	23469 32962	100701	SRIHARI B R 44799	
SPACE F 22680	SPEER J 67622	SPIERINGS F 89694	SPRECHER H W 54546	SRIKANTIAH G 75129	
SPACINSKY L 59655	80837	SPIERS C H 25983	SPRECHER-GOLDBERGER S 61890	SRIKANTIAH G 75129	
SPADA B 50574	SPEER J F 74891	SPIES J R 86324	SPRECKELSEN H VON 35971	SRIKANTIAH G 75129	
SPADARO J J 35196	SPEER R C 81038	SPIESS E B 9529	SPREHN C E W 17364	SRIKANTIAH G 75129	
SPAENDONCK R L 93803	32398	43092	62581	SRIKANTIAH G 75129	
	32399 82949		62582	SRIKANTIAH G 75129	
SPAETGENS H 87289	SPEER W A 71447	SPIESZ S 61726	SPREMBERG K 4470	SRIKANTIAH G 75129	
SPAETH D H 87090	SPEHAR V 47390	SPIGHI G 62645	SPRENG H 6727	SRIKANTIAH G 75129	
SPAETH J 9717	SPEIDEL B 101032	SPIJK P C VAN DER 2932	SPRENT J F A 92751	SRIKANTIAH G 75129	
SPAGNOLLI G 36441	16157 16158	SPIKE C 67534	SPREULL J S A 92752	SRIKANTIAH G 75129	
SPAGNOLO E 60509	27565 34943	SPILOTACOPOULOS 54448	72377	SRIKANTIAH G 75129	
SPAHN S L 21923	55360 86033	D T	SPRIEWALD H 16851	SRIKANTIAH G 75129	
SPAHRKAS H 65941	SPEIGHT W L 42142	SPILIOTI Z I 67393	SPRING J J 1897	SRIKANTIAH G 75129	
SPAIN J M 108751		SPILLER D 13971	SPRINGELL P H 34622	SRIKANTIAH G 75129	
SPALATIN J 23169	SPEIR D 18485	SPILLMAN C H 104944	75142	SRIKANTIAH G 75129	
SPALDING M 6676	SPEIR W H 2106	SPILLMAN C K 106182	SPRINGENSGUTH W 29354	SRIKANTIAH G 75129	
SPALDING R W 31136	SPEIRS D A 44379	SPILMAN H 57326	79853	SRIKANTIAH G 75129	
	61959	SPILMAN T J 94968		SRIKANTIAH G 75129	
SPALDON E 69366	SPEISER H 88005	SPILSBURY C C 36279	SPRINGER D K 2612	SRIKANTIAH G 75129	
SPALVINA L 32197	SPEK J C 15328	SPINA P 69073	SPRINGER E 10055	SRIKANTIAH G 75129	
SPALVINSH Z P 102574	53895 64656	SPINCEMAILLE J 3709	10057 10058	SRIKANTIAH G 75129	
SPANCK W 55251	SPEK J VAN DER 27234	3710	11614 11615	SRIKANTIAH G 75129	
SPANORF A H 22570	SPEKTOR M R 37175	SPINDLER E B 8339	79624	SRIKANTIAH G 75129	
SPANGE E 82533	105400	27325 36336	SPRING E L 102980	SRIKANTIAH G 75129	
SPANGERSBERG G 18886	SPEKTORENKO V M 29412	SPINDLER F 72360	SPRINGER F 97007	SRIKANTIAH G 75129	
SPANGLER B D 22671	SPEKTOROV C S 78793	SPINELLA D J 52037	SPRINGER J K 47173	SRIKANTIAH G 75129	
SPANGLER P 29244	86547	SPINELLI J 97514	SPRINGER M E 2612	SRIKANTIAH G 75129	
SPANGLER P J 94966	SPELTZ G H 98189	SPINING A M 82574	49632	SRIKANTIAH G 75129	
SPANIER J 10052	SPENCE C C 27014	SPINKS G R 103342	SPRINGER P F 52693	SRIKANTIAH G 75129	
SPANJERSBERG G 69071	SPENCE D A 1065	SPINU P 74378	63511	SRIKANTIAH G 75129	
SPANKEREN W D VAN 101350	SPENCE D H N 37605	SPINOV 39863 39864	94223	SRIKANTIAH G 75129	
SPANNER D C 58299	SPENCE J B 62169	SPIRESCU M 36744	44226	SRIKANTIAH G 75129	
SPANSWICK R M 69072	32723	SPRINGFIELD H W 28698	SPRINGHALL J A 72655	SRIKANTIAH G 75129	
SPANYAR P 34014	SPENCE L 14000	84361	SPRINGHETTI A 33512	SRIKANTIAH G 75129	
	42494 63459	90564		SRIKANTIAH G 75129	
SPARAPANI G C 92563	SPENCE W L 46912	SPIRIDONOV P V 84361		SRIKANTIAH G 75129	
SPARATORE F 89934	SPENCER B 19809	SPIRIDONOVA A 90564		SRIKANTIAH G 75129	
		SPIRIDONOVA G I 9928		SRIKANTIAH G 75129	
SPARE C G 28384	SPENCER BOOTH Y 63741	SPIRIN A S 73462	SPRINIVASAN M 24828	SRIKANTIAH G 75129	
SPARENBERG H 75471	63742	SPIRIN V A 102751	SPIRULIS R 68767	SRIKANTIAH G 75129	
SPARENBERG G A 84897	SPENCER C 23611	SPIROVA M 78794	SPROCK C M 58836	SRIKANTIAH G 75129	
SPARENBERG H 55815	SPENCER C B 44513	SPIT B J 81594	SPRONSEN W J V 40071	SRIKANTIAH G 75129	
SPARER G 65327	109037	SPIETLER G 19260	SPROTT J M 66082	SRIKANTIAH G 75129	
SPARGO R A 20926	SPENCER C C 17191	SPIETER J 107766	SPROTT T J 40965	SRIKANTIAH G 75129	
SPARKS A H 34234	57047	SPITHOST L S 50150	SPROULE R S 38998	SRIKANTIAH G 75129	
	65434	SPITLER E M 55620	53728 79427	SRIKANTIAH G 75129	
SPARKS A N 42632	SPENCER D 24072	SPITSYN L M 102464	SPRUCE W E 97573	SRIKANTIAH G 75129	
SPARKS B W 88209	SPENCER D A 8963	SPITZE R G F 45539	SPRUIT C J P 1067	SRIKANTIAH G 75129	
			28195	SRIKANTIAH G 75129	
			85780	SRIKANTIAH G 75129	
			SPRUYT J 90565	SRIKANTIAH G 75129	

ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
SRIVASTAVA K M 102368	STAGE A R 12456	STANCU D --CONT 63105	STANTON B 6801 46333	STASZEK I 46333	STATESCU C 31360 103768	STATHFER F 65938 65943	STATICS P 65944 65945
SRIVASTAVA K N 20753	STAGE H 107767	STANCU I 63328	STANTON B E 66334 67078	STATIONERY H M 85444	STAUDNER E 55755	STAUDT E 54967	STAUER S 77098 102051
SRIVASTAVA K P 5549	STAGNARO J C 19569	STANCU S 41962	STANTON B F 27167	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA L H 46913	STAGNI L 1204	STANCULESCU C 96288	STANTON B F 10466	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA L M 9621	STAHM M 44623	STAND A H 96640	STANTON B F 10466	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA M P 34831	STAHM M 8487 17429	STANDAL B R 17241	STANTON B F 10466	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA P B L 55203	STAHM M 79915 107768	STANDAL N 23011 104915	STANTON B F 10466	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA P D 47686	STAHM M 79915 107768	STANDER G J 20928	STANTON D A 20755	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA P N 13972	STAHM M 79915 107768	STANDIFER L C 64530	STANTON D J 9849	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA P N 179	STAHM M 79915 107768	STANDLEY J R 7568	STANTON H R 69074 70630	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA P N 14765 14766	STAHM M 79915 107768	STANDLEY P C 16054	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA P S L 103442	STAHM M 79915 107768	STANECK E F 36749 98609	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA R B L 68639	STAHM M 79915 107768	STANECKI M 3696	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA R C 4282	STAHM M 79915 107768	STANEK J 21171	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA R C 49131	STAHM M 79915 107768	STANEK J 89698	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA R D 55917	STAHM M 79915 107768	STANEK S 27566	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA R K 84723	STAHM M 79915 107768	STANEK V J 73477	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA R N 20246	STAHM M 79915 107768	STANEK W 11210	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA R P 99988	STAHM M 79915 107768	STANESCU A 106265 106296	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA R P 19167	STAHM M 79915 107768	STANESCU C 1205	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA R P 48418 49572	STAHM M 79915 107768	STANESCU M 104517	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA R P 59534 60054	STAHM M 79915 107768	STANESCU N 10061	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA R S 78796	STAHM M 79915 107768	STANESCU N S 26851	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA S C 48419	STAHM M 79915 107768	STANESCU P 2285	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA S C 52767 62382	STAHM M 79915 107768	STANESCU V 20997	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA S N 28385	STAHM M 79915 107768	STANESCU V 22113	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA S N 79047 79049	STAHM M 79915 107768	STANESCU V 42707	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA S N S 99500	STAHM M 79915 107768	STANESCU V 38772	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA V K 12404	STAHM M 79915 107768	STANESCU V 38750	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRIVASTAVA V K 43637	STAHM M 79915 107768	STANESCU V 4810	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI A 74357	STAHM M 79915 107768	STANESCU V 28669	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI M 28536	STAHM M 79915 107768	STANESCU V 10063	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 32349	STAHM M 79915 107768	STANESCU V 48420	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 64899	STAHM M 79915 107768	STANESCU V 71327	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 46769	STAHM M 79915 107768	STANESCU V 40776	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 1428	STAHM M 79915 107768	STANESCU V 21627	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 79428	STAHM M 79915 107768	STANESCU V 14990	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 48992	STAHM M 79915 107768	STANESCU V 89044	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 25914	STAHM M 79915 107768	STANESCU V 60510	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 23406	STAHM M 79915 107768	STANESCU V 31616	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 17781	STAHM M 79915 107768	STANESCU V 58610	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 25363	STAHM M 79915 107768	STANESCU V 26195	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 61873	STAHM M 79915 107768	STANESCU V 62982	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 86213	STAHM M 79915 107768	STANESCU V 23623	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 21426	STAHM M 79915 107768	STANESCU V 38633	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 51600	STAHM M 79915 107768	STANESCU V 100456	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 82479	STAHM M 79915 107768	STANESCU V 2239	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 28013	STAHM M 79915 107768	STANESCU V 70367	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 107663	STAHM M 79915 107768	STANESCU V 70161	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 62911	STAHM M 79915 107768	STANESCU V 109038	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 31448	STAHM M 79915 107768	STANESCU V 7656	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 37322	STAHM M 79915 107768	STANESCU V 8966	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 104445	STAHM M 79915 107768	STANESCU V 80427	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 68577	STAHM M 79915 107768	STANESCU V 53592	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 10209	STAHM M 79915 107768	STANESCU V 82772	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 79808	STAHM M 79915 107768	STANESCU V 50335	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 34308	STAHM M 79915 107768	STANESCU V 38634	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 50946	STAHM M 79915 107768	STANESCU V 48627	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 53659	STAHM M 79915 107768	STANESCU V 61544	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 83367	STAHM M 79915 107768	STANESCU V 90027	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 99717	STAHM M 79915 107768	STANESCU V 11746	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 19408	STAHM M 79915 107768	STANESCU V 54741	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 32218	STAHM M 79915 107768	STANESCU V 28175	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 86774	STAHM M 79915 107768	STANESCU V 100457	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 89697	STAHM M 79915 107768	STANESCU V 69591	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 96178	STAHM M 79915 107768	STANESCU V 10064	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 87705	STAHM M 79915 107768	STANESCU V 27529	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 83999	STAHM M 79915 107768	STANESCU V 36509	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 12134	STAHM M 79915 107768	STANESCU V 47394	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 50947	STAHM M 79915 107768	STANESCU V 68213	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 72872	STAHM M 79915 107768	STANESCU V 86649	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 59189	STAHM M 79915 107768	STANESCU V 98700	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 14767	STAHM M 79915 107768	STANESCU V 92061	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 19169	STAHM M 79915 107768	STANESCU V 93889	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 37067	STAHM M 79915 107768	STANESCU V 89320	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 39562	STAHM M 79915 107768	STANESCU V 108738	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 68023	STAHM M 79915 107768	STANESCU V 73603	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 32110	STAHM M 79915 107768	STANESCU V 74008	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 42547	STAHM M 79915 107768	STANESCU V 83316	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 97301	STAHM M 79915 107768	STANESCU V 94340	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 42104	STAHM M 79915 107768	STANESCU V 101791	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 67755	STAHM M 79915 107768	STANESCU V 52474	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 44965	STAHM M 79915 107768	STANESCU V 94224	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 6397	STAHM M 79915 107768	STANESCU V 104715	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 85422	STAHM M 79915 107768	STANESCU V 34015	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 96533	STAHM M 79915 107768	STANESCU V 31199	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 9622	STAHM M 79915 107768	STANESCU V 62142	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 47917	STAHM M 79915 107768	STANESCU V 65550	STANTON L A 46770	STAUDNER E 55755	STAUDT E 54967	STAUDT E 54967	STAUDT E 54967
SRODZINSKI T 43652	STAHM M 79915 107768	STANESCU V 85859	STANTON L A 46770	STAUDNER E 55755	STAUDT		



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
STEERS J A 102271	STEIN E --CONT 8286	STELIGA S 50106	STEPHEN R C 11618	STESHENKO A P 1208	
STEEVES H R 23570	17193 27264 27265	STELLA C 44171 107717	20757 27863 57772	1627	
94814	27266 27267 36280	STELLE V 46733	100459 101581	52370	
STEEVES T A 721	36281 57049 57050	STELLINGWERF D A 30266	STEPHEN V A 17120	STESHENKO V M 11454	
79845 89239	67369 76815 76816	STELLMACHER W 12730	93664	STESSER G J 68215	
STEFAN H D 90066	76817 76818 76819	STELLMACHER W 92566	4920	STETS W 27108	
STEFAN I 90067	76820 84000 87706	STELMOKAS J 29006	42790	STETSENKO G 33760	
STEFAN L 1898 29005	87707 87708 108886	STELTER H 9289 18408	5594	STETSENKO V A 77816	
STEFAN N 1734 19746	STEIN G 5474 15557	33197 88929 88944	11430	STETTLER H 34449 96642	
19845 19846 19847	84898	STELZENBERGER F 36030	20513	STETTLER R F 47913	
28787 34274 34684	STEIN H 56324 78318	STELZIG C C 75863	41646	STEUERING L 58459	
49095 59506	STEIN I 25742	STELZNER C 90121	40593	STEUERKARDT R 59386	
STEFAN V 1206 9711 11820	STEIN J R 181 9516	STEMBERGER A P 7385	50917	STEUER W 52896 73234	
9712 11819	STEIN J S 7173	26853 35297 76454	10857	73841	
STEFANCIK L 2807	STEIN M 47866 86246	86347	37478	61399	
30304	89699	STEMBRIDGE G E 59651	1256	STEUERER 54034	
STEFANELLI A 9142	STEIN O L 19172 28201	STEMP A R 6377 42547	62912	STEUERER-FINCKH B 37606	
21317	37780	85308 107601	60512	40072 40073 50151	
STEFANELLI G 33590	STEIN P A 86655	STEMPFFER H 5551	105538	98042	
33591	STEIN R S 66135	64232	106045 106046	25884	
STEFANESCU C 63033	STEIN W 28030 48235	36504	38163	81259	
STEFANESCU G 28917	55202	71811	20189	108620	
STEFANESCU G A 22501	STEIN W I 83573	77016	14978	3780	
22502	STEIN W T 102554	92725	38422	3918	
STEFANESCU M 91804	STEINBACH H 87966	53660	39566	22989	
STEFANIAK J 3024	STEINBACH J 103500	STENDER J A 38953	39567	6572	
STEFANIAK O 2181	STEINBACH R 36282	STENE J 28202 59886	94227	72194	
STEFANIAK W 62546	STEINBACH T 62547	40074 58886	11822	103869	
STEFANO F DE 108031	STEINBERG D M 36453	STENEKER G A 12005	11823	20576	
STEFANO F DI 55361	STEINBERG M P 15454	30305 102555	1758	108984	
STEFANOV B 46772 50550	15702	STENGELE 12251	14678	35922	
88245	STEINBERG S 66705	STENGLER K H 15079	48797	45252	
STEFANOV N 44578	STEINBERGER J 37781	STENHAGEN E 45096	4387	76455	
STEFANOV S B 11353	37782 37783	STENINA T A 2257	4420 31617	59149	
90933	STEINBOECK D 87967	39809	586	106903	
STEFANOVIC Z 71729	STEINBRECHER H 13150	STENING T C 74467	52410	12825	
STEFANOVIC D K 64231	STEINBRECHT R A 53114	STENIUS C 3651 13539	31863	13151	
STEFANOVIC M 104176	94613	STENKO A S 103278	41910	41692	
STEFANOVICH L E 31862	STEINBRENNER K 11361	STENLAKE J B 48551	92754	61225	
STEFANOVITS P 11821	33500 90949	STENLID G 69033	103345	94228	
60279	STEINBUCH E 33729	STENMARK A 12146 32609	49786	46031	
28200	90566 96908 107391	32945 36399 36400	1899	100460	
STEFANOWICZ J 63203	STEINDL D R L 47174	36401 36402 57207	84454	63460	
STEFANSK L 30797	47176	87212 87881 93974	84511	93433	
STEFANSKI W 72533	STEINDORSSON S 58181	94529 98436 98437	81335	66295	
104206	STEINER D 19173 78798	98438 98439	62386	107982	
30416	STEINER G 37821	109039	79855	98789	
STEFANSSON E 3410	100607	STENROOS O 5246	55459	7749	
STEFANSSON O E 3767 22309	STEINER A 23808 43228	STENSETH C 23343 42634	54328	56606	
67522	STEINER A A 28279	63589 94411	17194	66889	
STEFANSSON V 5126	29021 29842	STENSIO B 55503	27268 75787	106553	
STEFFAN A W 43029 43173 83896	STEINER A M 18655	STENSLAND P G 108665	87709 87710	26347	
43030	47819	65462	7528 59077	27286	
46425	STEINER A S 94226	74522	95350	51118	
105856	STEINER G 77978 88948	107972	93357	61351	
STEFFAN J R 46624	STEINER H 22263	56051	60307	28700	
STEFFEL V 40523	62312 104918	90905	2409	95089	
STEFFEN E 98265	STEINER L F 83401	68214	109175	103537	
STEFFEN G 43490 56220	STEINER M 10065	90193	11170	21642	
62384	STEINER M L 77282	101085	27767	16055	
STEFFEN J 99989	77283 90457	54052	53976	107392	
STEFFEN L 35403	STEINER P 77041 94342	30514	109175	107393	
STEFFEN P 1647	STEINER W W 69810	50814	11170	107394	
STEFFEN R 24073 53687	STEINGRIMSSON J 36483	17022	27767	68071	
84402 104089	STEINHARDT M 92449	66852	53976	42548	
STEFFENSEN D M 14677	STEINHARDT R 39666	50990	109175	12731	
27766	65944	STEPANAY A 69244	11170	13422 62548 71812	
STEFIN V V 91004	STEINHAEU A L 5594	STEPANAY M 15653	27767	1229	
STEFUREAC T I 8817	73178	STEPANENKO B N 47687	27767	29519	
77448	97374	STEPANENKO D G 48424	53976	91397	
58002	STEINHAEU J E 33024	12178	53976	231	
STEGALL W A 13873	STEINHAUS E A 33024	102741	41966	60170	
STEGEMANN D 27222	33025 93934 105679	69077	65760	90844	
STEGEMANN H 33868	STEINHAUS M 30630	30033	48628	22720	
STEGENGA T 5920 33868	STEINHAUS O 97614	75840	51180	18131	
41468 62385 106468	STEINHAUSER H 7058	STEPANOV A I 71967	17074	39295	
STEGER G 31008	45854 56512 66851	STEPANOV A S 82758	58887	54893	
STEGER H 12919 41539	67049	STEPANOV D G 105314	68874	83806	
41551 42258	STEINHAEUSER R L 40701	STEPANOV E M 15918	38636	25176	
STEGER J 103937	STEINHUBEL G 42437	STEPANOV G 10552	14679	65283	
STEGER MEINL E 65136	STEINIGER F 84692	STEPANOV G R 48425	2948 15279	23012	
STEGER O 83572	77485 77609 55362	11374	40925	24258	
STEGERWALD 25740 86034	STEININGER K 86035	STEPANOV I N 95952	4764	28431	
STEGGERDA F R 8362	STEININGER V 46217	STEPANOV M K 94174	27624	90458	
STEGMANN G 17433 102393	STEINITZ W S 6516	STEPANOV R S 71593	38563 69327	5877	
STEGMANN H 5889 76089	44381	STEPANOV S N 90292	46335 66336	72914	
STEGNOR A W 84347 85527	STEINITZ-SEARS L 864	101108	76709	73031	
STEGWEE D 23528 43031	M 73605	STEPANOV V A 93356	61138	73032	
34405	STEINKE F D 69592	STEPANOV V N 79202	36673	46607	
STEHLE 74892	STEINKE F H 22571	STEPANOVA A M 100458	24074	46809	
STEHLE G 85243 96641	STEINKE R D 107525	STEPANOVA E N 76888	102236	70868	
585	STEINKRAUS K H 45028	STEPANOVA N I 92567	90239	80769	
STEHLE H 17794	45029 55608 55681	93684	11106	1210	
STEHLE K 45004	66000 84819 107719	97259	39294	27625	
STEHLIK G 47931	STEINLECHNER D 100220	90194	63590	28386	
STEHLIK Z 52012 82390	STEINLIN H 11969 30228	48573	99990	48629	
STEB R J 455	40426 51187 71057	73727	34945	100571	
STEB T 57048 75251	80954 81448 102932	5913	30550	72548	
STEIF M 2224	STEINMANN H 5593	STEPHAN E 41059	108887	31654	
STEIFER H 16751	14991 95585 95672	STEPHAN H 28935 45376	45445	56697	
STEIFER M 39293	STEINMETZ 64621 84362	55336 86000 86036	42730	71360	
STEIFER P 5930	STEINMETZ H 5829	77611	63401	66975	
STEIFER R 19171 25741	15078 15100 15176	84630	41592	108116	
STEIFER W 44600	24048 33592 43552	99595	84770	69025	
STEIFERWALD E 46619	43580 43717 64371	76199	80916	47395	
40673	106237	STEPHANIDES C S 30417	32145	71813	
STEIGLER A 12952	STEINMUELLER M H 46116	STEPHANOU A 6398	79051	55092	
STEIJN J A VAN 76980	STEINSHOLT K 34392	ATFNKO M 91741	103204	65033	
STEIKHARDT H 10301	85410	STEPHAN A M 107549	41140	9921	
69368 89987	93791	STEPHAN B 3768	10384	49649	
STEILLMACHER D 54034	STEINWENDER R 53978	STEPHEN D M 43520	30341		
26600	STEITENROTH K 43297	64810	13471		
STEN B 22437	STEJSKAL M 42447	STEPHEN J E 22988	78799		
STEN C D 8284 8285	STEJSKALOVA J 48423	STEPHEN L E	6842		
	STEKLOVA M M				





ITEM	ITEM	ITEM	ITEM	ITEM
STRAUME O 58837	STRINGER W C-CONT 65848	STRIUK G J 9693	STURANI M 94971	SUCH S 81229
STRAUS A 67756	STRINGFELLOW A C 16136	STRUMPEL H 33125	STURCKOW B 43114	SUCHALKINA M I 80713
STRAUS J 19177	25743 25744 55364	STRUMPF K H 12734	STURGESS I M 24786	SUCHANEK B 3699 13155
STRAUS M A 56885	55365 55366 65761	STRUNK C 9518	STURGESS N H 26868	103504
STRAUSS E 85244	86039 107508	STRUNZ K 32479 32536	STURGESS O W 452	SUCHANEK J 107107
STRAUSS G R 33664	STRINGFIELD G H 10068	STRUSS S 10226	99651 99652 99653	SUCHECKI W 25746
STRAUSS J 79472 101147	STRINGHAM E W 92249	STRUTHERS P H 91023	STURGILL P B 100466	SUCHMAN E A 76568
STRAUSS W I 41385 93360	STRITESKY A 40060	STRUTSOVSKAYA E S 79204	97615 108117	SUCHODOLSKA E 32380
STRAUSZ R W 70877	STRITZEL J A 11620	STRUTYNSKA K 75472	STURGIS M B 20726	SUCHODOLSKA-RYTEL 52508
STRAVER P J 249	STRITZKE J F 10069	STRUVE W 7150	29621 29815	SUCHTELEN N VAN 20190
72288	10070	STRUWE W 92359	STURHAN D 27379 88950	SUCHTING H 71207
STRAW R M 14683	STRITZKE S 64372	STRUZEK B 35704 86590	STURKIE D G 28433	SUCHY J 91764
STRAYER G M 57071	STRITZKY W VON 101131	86591 86911 98468	70788 101583	SUCIC B 4422
STRAZIELLE C 68296	STRIVASTVA S C 11233	STRYCKERS J 20308	4150	SUCIU I 104284
STRAZNICKY D 50489	STRIZHACHENKO N M 82657	79857 79858 79859	41984	SUD J S 51140
STREAMS F A 5426	STRIZHOVA T G 45	STRYDOM E 1992	70632 100261	SUDA O H 3894
STREBECK C L 75349	STRAMISKA D 20307	STRYJEWski F 40286	STURROCK F G 16879	SUDA T 35298
STREBEL O 5630	STRNAD P 80485	70787	45799 56607	SUDA Y 53115 53122
STREBEYKO P 18770	STROBE E W 11107	64615	95254	SUDACHENKO V V 13156
38427	STROBEL 73004	67370	51384 96645	SUDACHENKO V V 92570
STRECK P 105782	STROBEL D R 7386	62549	33026 63783	SUDACHOV E YA 71058
STRECKEISEN W 59888	106887	80127	42831 62583	SUDAKEVICH YU E 28210
STRECKER H 65959 65960	STROBEL G A 44796	50792	73440	SUDAKOVA L V 21035
76090	77818	35002	47546	SUDAN M L 16593
STRECKER O 7801 54186	STROBEL H 103347	49878	108477	SUDARIC F 4423 62550
55478	STROBEL J W 58014	70932	106355	SUDARS L P 15238
STREENIVAS H 27340	STROBEL K 84180	45253	93156	SUDD R J 10860
STREET F V 87095	STROBEL R G 7059	80205	65340	SUDEN J R 55453 82572
STREET H 103881	7060	80206	48429	SUDENE O 727
STREET H E 28205 28206	STROBELBERGER J S 36720	108476	78806	SUDER M 21525
28225 48054 58344	STROBINO R 44024	38775	34624	SUDHEENDRANATH C 24868
78804	STROBL L 108796	100239	75144	S
STREBT J C 82851	STROBLE C P 82206	95752	85637	SUDHEIMER H 49256
STREET MRS P 26521	82810	4238	107199	SUDIA T W 19178 28073
STREET O E 1679 7543	STROCK H 34830	12135	78320	SUDIA W D 83227 83274
7544 7545 7546	STROEHLEIN J L 29814	61893	96756	94070
9920 16501 18003	STROGANOVA N S 14477	89704	62766	SUDO I 33822
19732 26354 26355	STROH H H 107944	29521	62915	SUDO K 30824
29745	STROM R C 105401	67191	5704 5705	SUDO M 94614
STREETMAN L J 100946	56660	88096	15269 33593 43491	SUDO S 39671 41145
STREETS R B 69925	STROHBEHN R W 5595	47914	50635 108478	105300
STREETS R J 71166	STROHECKER H F 5595	16253	61532	SUDO T 32111 35299
STREHL W 61892	14568 33461 33482	65899	67022	45254 109040
STREHLER B L 1216	STROHMAIER K 32535	97120	108546	74659
78727	STROHMEYER G 23410	86163 86183	72268	SUDRAUD P 31220
STREHLKE E G 21427	STROHRMANN E 6224	96038	8752	SUDWEEKS E M 79055
50634 60836 81029	STROJINA V G 87933	93515	2068	SUDYNA O H 48432
91666	STROJNY W 33343	4421 44002	34946	SUDYNA O G 53091
55624	STROLE M B 92569	2855 71318	84056	SUEBISIRI B 50391 53091
STREIBL M 724	STROM B 34498 93752	40949 90950	95255	SUEHIRO S 27058 37146
STREIBLOVA E 72289	STROM G 16160	107858	104519	SUEHISA R H 70634
STREICHAN D 91529	STROMBERG M W 83020	9255	26320	SUENAGA K 79169
STREINZ W 12155	STROMDAHL I 43405	9255	81175	SUENAGA R 55416
STREITBERGER 78207	STROMME A 20508	9255	90068	SUENAGA S 46337
STRELCHENKO T I 30378	STROMME E 77042	1708 17506	67023	SUENAGA S 60098
STRELKA F 64381	STROMNAES O 725	47545 47560	5475 95351	SUFESGUTH H 42327
STRELKOV M N 62914	10263 14684 58460	103597	8076	SUFANA N 7701
STRELNIKOV A P 89703	78949 84001	105341	53378	SUFIEV S 86775
STRELNIKOV I G 78805	STRONBERG L A 9296	28815	70376	SUGA N 33483
STRELNIKOVA M M 21033	STROMG D 106578	16647	76504	SUGAI E 105496
STRELZOFF S 76822	STROMG D H 6043 37363	82127	87291	SUGAI M 66027
STRENGELL G 94784	STROMG F C 14271 37363	10859	89507	SUGANO M 40816 40947
STRENGIE K 109191	68073 88657	46810	13732	40951 40967
STRENZKE K 98654	STROMG F E 14122 23809	46810	18029	SUGANO S 4239 103996
STRESKOVA J 66232	33284 73728	33199 53358	55697	SUGANUMA M 35571
STRESSLER 1380	STROMG F M 1380 4194	34766	97260	SUGANUMA Y 31324
BUCHWEIN F 66232	22571 47992	23971	48217	SUGAR-RAGCHAA TS 103350
STRESSLER-BUCHWE- 77465	STRONG D R 94229	33519	46484	SUGARS M L 22310
IN F 99506	STRONG R G 42741	89705	68194	SUGAWA A 104547 104548
STRETCH A W 99648	STRONG W 2571 102237	44514	79337	SUGAWARA H 42210
83495	STRONG W A 39296	54894	11357	SUGAWARA K 25423 59478
83496	STROOKER E 15128 43608	28208	48430 100467	68412
STREULI H 6042	86723	62036	40288	SUGAWARA P 1900
STREYFFERT T 21117	84403	62392	56555	SUGAWARA S 26032
40524 87096	STROPPEL A 64400 64416	77052	86071	SUGAWARA T 19570 27051
STRICH-HARARI D 88958	STROTHER A 41940	108763	107551	28211 28434 28540
STRIGHT E VAN DER 65119	STROTHER D C 27494	15123	61894	107844
STRIK G 8003	STROUBE E W 49494	46	70633	SUGAY W 22436
STRIKBERGER M W 105771	90392	81210	49240	SUGAYA S 570 42303
STRICKER F 1430	18772	12735	58124	68581 93850 97082
STRICKER G 100426	STROUBE C E 17224 46158	7803	44098	SUGDEN B A 95535
STRICKER H 106329	STROUHAL H 63894 105590	13562	26317	SUGE H 100535 109246
STRICHER H W 40076	109185	31359	66050	SUGENO H 22266
78690	STROUM M 38258 68929	37079	R	SUGENO M 93516
STRICHER M H 105464	STROUP G E 7765 7802	105040	20494	SUGG J S 75734
STRICHLAND A C 46499	STROUT R G 52285	17205	8363	SUGGETT J H 93753
STRICHLAND A H 13983	STROVER E D 39297	57351	17219	SUGITT R W 59989
105224 105225	STROYAN H L 73270	72593	25359	81400 90726
STRICHLAND D H 28207	STROYAN H L G 73722	40077	27340	SUGGS C W 15048 53661
STRICHLAND F H 55363	84055	100374	46484	SUGGS D D 29357
STRICHLAND J D H 38163	95253	58986	76886	SUGGS F G 65912 97181
38239	STROZECKI J 29462	83412	108970	SUGI J 17543 17557
STRICHLAND J H 13302	STROZHA I K 31865	44357	87813	19179 20760
STRICHLAND K P 79053	STROZHEVSKII V I 24109	102941	14924	SUGI M 29817
STRICHLAND L J 86553	STRUB J 31738	22990	18590	SUGIE T 41605 72857
STRICHLAND M J 15797	STRUB J H 36550	76710	98190	72358
STRICHLAND P L 7958	STRUB K M 62633	12922	37518	SUGIER H 75145
STRICHLAND R K 40635	STRUB W 66706 86910	59422	37022	SUGIHARA H 40793 51088
63513	STRUBE J F 59256	43784 53979	57744	51093 71412
STRICHLER G S 48907	STRUBE W 16463	63358	103349	SUGIHARA Y 68592
STRICHLER P E 74169	STRUBING H 14403 105857	1431	93983	SUGII S 48433
STRICT E VAN DER 65119	STRUBLE G R 76970	58998 59098	26135	SUGIMORI T 4226
STRODE G O 14896 43032	STRUBLE R G 39890	78931	10264	SUGIMOTO B 32112 62916
STRODSBERG E 70961	STRUCHTEMEYER R A 20941	82404	69274	93361 93517 108547
STRIFFLER W D 20999	29998	69173	79054	SUGIMOTO N 79205 100685
STRIGINI P 89311	STRUCK E 43124	62463	105658	SUGIMOTO U 28541 28542
STRIGOLI P 28841	STRUCK L 75835	41539	48357	SUGIMURA K 107526
STRINGAM E W 20366	STRUCKMEYER B E 9254	51595	55194	SUGIMURA M 3895 3896
STRINGER A 33481 42892	78384 99835 100339	66707	67806	56147 56148 56149
STRINGER C E 63379	STRUGESS O W 99649	69080	68579	104207
63415	STRUGGER S 46604 87961	91597	29578	38647
16211	STRUIJS L C 2316	26854	89707	SUGITA J 76716

SUGITA S	17543	19179	SUMIKI Y	9812	10231	SUPPERER R--CONT	82422	SUTO T	91968	92021	SVENDSEN D	105465
		20760	19333	59042	79017		92571	SUTOH H		25104	SVENDSEN V E	82423
SUGITA T		32555			79018	SUPPIGER E	25146	SUTOKSKAYA I V		18657	SVENDSEN-TUNE S C	8471
SUGIURA K		30418	SUMIMOTO K		53103	SUPPLEE W C	22575	SUTORIS V		52750	SVENKERUD R	52068
SUGIURA M	10071	28390	SUMIMOTO M		42773	SUPRUNT T P	2241 8553	SUTTER A		15558		72850
		38428	SUMINO I		74408	SUTITZ W	109199	SUTTER G		73167	SVENNERSJO S O	51449
SUGIWARA O		84456	SUMINTAWIKARTA S		47	SUR S C	100856	SUTTER H	41113	69593		82128
SUGIYAMA B K		71509	SUMMA		98635	SURAT P	22661			80991	SVENSEN A	34392
SUGIYAMA C		39114	SUMMERHAYES V S		88398	SURBER J	2667	SUTTER R C		26855	SVENSSGAARD C	51416
SUGIYAMA H	40421	40422	SUMMERLEE J		74145	SURCEK M	47013 57328	SUTTLES P H		17076	51760	51763
42843	44766	53116	SUMMERS F M		23342	SURDACKI Z	4474	SUTTON B C	8876	88550	51770	51771
53117	55176	83712	SUMMERS J D		22574	SURDAN C	62913	88551 99089		99126	SVENSON G	15231
		83713	22718	41941	52211	SURDIN Y	79056	SUTTON C D		48435	SVENSON H K	8489
SUGIYAMA S		33438			93157	SUREDA A E G DE	23964	SUTTON D C		100468		77231
SUGIYAMA T		456 19346	SUMMERS L A		347	SUREWICZ W	61497	SUTTON E		94232	SVENSON S	61045
40702	78321	78322	SUMMERS W A		103882	SURI J B	28213	SUTTON H H		22452	SVENSSON A	51992
	79916	100659	SUMMERS W F		26706	SURIN B I	81862	SUTTON H J		83464	SVENSSON B	70025
SUGIYAMA Y		4414	SUMMERVILLE W A T		45542	SURIN N G	94576	SUTTON J G		11782		79728
SUGONYAEV E S		33344	SUMNER C B		70366	SURIN V	74270	SUTTON M D	9193	58055	SVENSSON F	73441
SUHACI I		32433	SUMNER D C		1629	SURIN V A	50331		77866	99564	SVENSSON H I	90867
SUAEDI M		3501	SUMNER D R		68116	SURJAN J	32472	SUTTON P		60513	SVENSSON I	67799
SUHARA T		100272	SUMNER-SMITH G		31585	SURKIEWICZ B F	54107	SUTTON S D		45273	SVENSSON K	10509
SUHARDJO H		51577	SUMPTION L J		3322		54128	SUTTON S L		43298	SVENSSON L	41249
SUHR K	86938	86939			3736	SURKOV V	25040	SUTTON W A		87374	SVENSSON S	30560
SUIJENDORP H		104615	SUMPTON L J		103505	SURLEKOV P	40078	SUTOR R		75951	SVENSSON S A	72696
SUIT R F	491	99719	SUMRALL M		76456	SURMACH G P	49650	SUTULOV A N		25747		92360
SUITOR A E	13609	32149	SUMROV I		93358		79982 80716	SUU S		31618	SVENSTRUP J K	48908
		93541			104145	SURMENYAN G A	48751	SUURESSAAR L		92774	SVESHNIKOVA I N	9520
SUITOR E C	53217	53288	SUN A T		99939	SURMINSKI J	12442	SUVALEPP A		69923	38205	78209
SUITS L		72896	SUN C C		103037	SUROVTSEV P A	50918	SUVENVUO K G		71968	SVESHNIKOVA N M	27370
SUJKA E		28061	SUN C J		95468	SUROVYI L	46042	SUVOROV P A		19180	SVESHNIKOVA V M	58890
SUJOL F		39065	SUN C K	102238	105059	SURRE C	86326	SUVOROV V N		16648	SVETAILO E N	37671
SUKA Y		29463			105060	SURREY K	19424			34626	SVETIKA P	29820
SUKACHEV V N		77230	SUN C L		81475		38638	SUVOROVA L D		78208	SVETLICHNYI V	95818
SUKAPURE R S		232	SUN C N	27627	37911	SURTEES G	4898	SUVOROVA L G		14048	SVETLICHNYI V A	64373
SUKEMURA K	79151	79152	SUN F K		100564	63975 63976	83524	SUYAMA Y	27704	27769		106206
SUKHACHEVA E I		94231	SUN H C		95352	SURUGUE P G	7331		59080	78288	SVETLICIC A	2894
SUKHAI A P		100141	SUN I M	59298	65342	SURYANARAYANA B N	55115	SUYAROV V F		104594	SVETLOV P G	14687
SUKHANOV M A		106427	SUN L S		98715	SURYANARAYANA D	47396	SUZUI K		27019		43115
SUKHAVACHANA P		83249	SUN S C		86912	47397	47398	SUZUI T	77819	77820	SVETOVA J A	83835
SUKHENKO S		20761	SUN S K	90087	100901	SURYANARAYANAN S	69309			77821	SVETOZAROVA V V	58346
SUKHII N		35835	SUN S S	95095	105858	SURYANARYANA B N	55105	SUZUKI A		30764	SVIDERCOSCHI A	35706
SUKHORUKOVA T I		75209	SUN T C		90036	SURYN W	2572	SUZUKI B		87097	SVIDERSKII V L	63839
SUKHOV V I		90069	SUN T H		100496	SURYNEK J	4240	SUZUKI C	28886	53107	SVILANE A B	31015
SUKHOV V L		80716	SUN T L		51223	SURZHIN S N	79874			83714		31456
SUKHOV YU		74042	SUN W L		91163	SUSAKI M	38770	SUZUKI D T	23701	33200	SVINAREV V I	40289
SUKHOVERKHOF F M		67501	SUN Y P	13973	42438	SUSCHKA A	104520	SUZUKI H		29822		100866
SUKIE K		33685		56221	94035	SUSEC-MICHEL I S	14402			45574	SVIRIDOV A A	31449
SUKOPP H		58165	SUNAGA K		105491	SUSHCHENKO V P	91597	SUZUKI I		20173	SVIRIDOVA I K	80060
SUKOTJO W		91423	SUND J M	33523	82286	SUSHCHEVSKII M G	10554			54234	SVIRINAS S	28875
SULAIMAN M		47343	SUND K A	49490	49495	SUSHCHEVSKII V N	22719	SUZUKI K	16477	26329	SVIRNIENE G	28875
SULAKADZE T S		17558			101584	SUSHEELA A K	82609		29123	30231	SVITAVSKY K	31993
SULAKOVA L A		29818	SUNDARA-RAO W V B		101828		82851		31525	31868	SVOBODA A	75864
SULANEK F D		86074			101829		71167		33630	36541	SVOBODA B	98637
SULC D		25520	SUNDARAM N		19693	JUSHKINA N N	95906		79169	79625	SVOBODA J	105419
SULC J		24955	SUNDARAM N V		99507	SUSHKO I	95906		86327	90459	SVOBODA K	45857
SULE A G		11156	SUNDARAM T R		26435	SUSI H	7332		96812	105772	SVOZIL B	22012
SULEA I		106265	SUNDARAM V		44515	SUSKA E	4405			106907		58577
SULEIMAN H		60876	SUNDARARAJ D D		10072	SUSKI Z W	53218	SUZUKI M		15853	SVRCEK M	47014
SULEIMANOV S B		94331	SUNDARARAJ S		35705		53219	SUZUKI N	41175	41176	SVYATOVETS H D	4600
SULEK J J		60679	SUNDARARAJULU G		33069	SUSKIND S R	100606		87509	104546		4603
SULEK V		15043	SUNDARARAMIAH T		71521	SUSLIK V	12156		27236	47502	SWACKHAMER A B	32782
SULIMOV F I		102465	SUNDAY B M		85721	SUSLOV V G	26736		62520	72413	34119	85412
SULKIN S E		4766	SUNDBERG T	31419	61895	SUSLOV V M	17434		94615	94616	SWACKHAMER G L	34032
SULKOWSKI E		59079	SUNDEBERG U	21428	74522	SUSMEL L	12037			109040	SWAFFORD W R	49853
SULLIVAN B	6972	16161	SUNDE M L	16162	62751	SUSOVA N I	12726	SUZUKI S		1219	SWAILES G E	64052
SULLIVAN C R		64170			93096	SUSPTROS F	59607		29009	31526	SWAIN D C	70962
SULLIVAN C Y		38429			52255	SUSS A	10073		35814	63895	SWAIN F G	12887
SULLIVAN E F		2058	SUNDELIN P		17915		48434				SWAIN T	1264
11108 11109		70163	SUNDELL S		52255	SUSS N T	81260	SUZUKI T		4670	15993 19426	33984
SULLIVAN E M		8328	SUNDERLAND D L		16413	SUSSMAN A S	1348		31869	32114	38614 55086	69310
SULLIVAN G D		2411	SUNDERLAND D W		470	2889 47820	100594		39738	39739		96845
11512 16521		26490	SUNDERLAND D W		27345	SUSSMAN M	9512		52289	60149	SWAINE G	83368
SULLIVAN J F		85823	SUNDERLIN G		46461		27768		52289	60149	SWAINE R L	106722
SULLIVAN J G		16056	SUNDERMAN D W		28212	SUST A	25126		86592	87098	SWAIT J C	78382
SULLIVAN J H		24716			99508	65247 65248	107120		93208	97376	SWALE E M F	8801
SULLIVAN J J		3411	SUNDERWIRTH S G		84802	SI STMANN C	6678		101749	101886		18658
		12837	SUNDGREN P		83116	SUSPKA B	91607	SUZUKI Y		1028	8818	10676
SULLIVAN J L		90982	SUNDHEIMER P W		61265	SUSZKOWA J	90335		60099	69269	SWALES J E	10676
SULLIVAN J P		50432	SUNDING P		9519	SUTA A	19752		89937	100703	SWALLEN J R	17796
SULLIVAN J W		54125	SUNDMAN J	28361	79031	SUTA V	4869			104138	SWAMI U B S	728
SULLIVAN L A		108621	SUNDMAN J A		33126	23338	27052			30764	SWAMINATHAN D	108212
SULLIVAN L G		41803	SUNDMARK S		50562	SUTCLIFFE B	34625	SUZUKI Z		835	SWAMINATHAN K	102052
SULLIVAN M M		72463	SUNDQUIST M		1729	SUTCLIFFE J F	58593			45856	SWAMINATHAN M	17219
SULLIVAN R J		61545			49089	SUTCLIFFE J P	67086			14065	25346 25359	25464
		103018	SUNDT E	15989	83837	SUTEANU E	31470			102920	25465 27340	46484
SULLIVAN T W		4104			86325		32547			102500	76844 76883</	



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
SWANSON E R--CONT 86795	SWIFT M E 68749	SYMONS J J 67404	SZATALA O --CONT 37029	SZKLARCZYK J 10679	ITEM 10679
91339 103598	SWIFT M J 78211	SYMONS J L 45858	37365	SZKLARZ W 40293	
SWANSON E W 3634	SWIFT P 51104	SYMONS R H 88886	SZCZEPANIK S 92351	SZKLARZEWICZ J 42986	
13085 22311 31222	SWIFT S 24259	SYNAVE H 14749	SZCZEPANIK S 6089	75788 86372	87214
45446 62314	SWIHART S L 33439	14770 14771	SZCZEPANIK E F 56052	SZKOLNICKA-ROSZYK 60280	
SWANSON J A 86593	SWIM H C 39310 69924	SYNDER A A 10862	SZCZEPANIK S 66710	S 60281	60282
SWANSON L E 82288	SWIM H W 79628	SYNDER F W 28189	SZCZEPANSKA H 86282	SZKOLNIK M 47267	47268
94060	SWIN H C 10876	SYNDER J C 1804	SZCZEPANSKA K 83287	58016 77822	88728
41250	SWINBANK P 78810	SYNDER W C 422	105062	SZLAMENICKY I 13602	
SWANSON M H 35301	SWINDELL P T 44580	SYNGE P M 10863	SZCZEPANSKI C VON 97210		104521
36340 46435 66077	SWINEHART C 6579	39299	SZCZEPANSKI K 29821	SZLAMENICZKY I 26197	
SWANSON N P 80723	SWINGLE M C 26491	SYNGE R L M 106581	SZCZEPANSKI S 56511	SZLAPCZYNSKI Z 7509	
SWANSON P 87774	SWINGLE R U 83576	SYNHORST S H 13113	74420	SZLUKA I J 43740	
SWANTZ A 54684	105402	SYNODINOS E 51918	SZCZERBA J 47972	SZMALC B 54590	54591
SWAPP M F 94233	SWINIARSKI E 85741	54126	SZCZESNIAK A S 6021	65112 74837	74838
SWARBRECK G 16163	SWINK E T 84693	74661 6044 6045 6134	SZCZESNIAK N 64290	85359 85428	96661
SWARBRECK G E 7061	SWINK F 49257	87510	SZCZOTKA Z 99721	64771 86146	63721
SWARBRICK J T 101626	SWINK F N 57841	16853	SZCZUDLOWSKA M 13304	SZMIDT A 63593	67192
SWARBRICK O 31450	SWINK J 11606 69412	66854	SZCZYGIEL A 87776	SZODER J 94999	
62394 72290	SWINK J F 59166 59329	78811	SZCZYGIELSKA A 85547	SZODFRIDT I 50749	58145
SWARD B 24305	SWINKELS M P 77043	SYRBOVA S 28354	99722 99723	SZODRIDT I 91552	
SWART E R 46773	SWINSCOW T D V 37023	SYRETT P J 19365	87776	SZOE A 90568	
SWART F W J 13564	37024	28391	96697	SZOE B 90568	
SWART H J 17916	SWIRSKI E 14210 14768	SYROKOMS KAYA I V 58189	96970	SZOE K 57140	
SWART J C 41556	32856	SYROWATKA T 83275	97776	SZOKOLAY A 6046	
SWART J H 72792	SWIRSKI M 24869 54550	85245	SZE W B 49600	SZOLLOSI D 27053	
SWART L S 75112	SWISHER H E 85042	107055	SZEBELLEDEY MRE L 50240	SZOLNOKI J 11345	29579
SWARTLING P 15760	107255	62464 62465	SZEBELLEDEY MRS L 39300	SZONGOTH M 54188	
SWARTWOUT H G 8968	SWISHER L H 85042	62464 62465	SZEBIOTKO K 6357	SZONTAGH P 88561	94485
18030 88582	SWISZCZEWSKA J 37364	62464 62465	SZECHENYI I 13485	SZONYI I 43494	
SWARTZ D 88157	SWITZER C M 101564	SYSCOE I V 84556	42056	SZONYI L 50991	
SWARTZ O 57317	SWITZER G L 102743	SYTAYA A S 13322	SZECSENYI A 24074	SZOPA L 52162	62768
SWARTZENDRUBER D 2128	SWITZER J 12977	SYTEK J 49739	42267 42268	SZORAD K 26856	
26785 39649 79983	SWITZER J W 13074	SYTNYK K M 69082	72946	SZOVATAY GY 61897	
101767	29222	SYTSEMA W 38432	62780	SZPAKOWSKI J 31452	
SWARUP G 37528	4604	38433	104449 104450	52648	92925
SWARUP H R 7508	22946 83081	59761	45612	SZPALA R 71411	
SWARUP J 99556	104195 104903	93341	56515	SZPUNAR K 96996	
SWARUP R 50971	104924	12714	104310	SZTEKIEL J 9251	
SWARUP V 27628 89312	26136	30994	89222	SZTEYN S 92835	
SWATON R 92088	SWOOPPE W M 92633	55687	101237	SZUBAR A 35710	
SWEARER H R 76200	SWOPE D A 107395	92366	28247	SZUBINA M 83677	
SWEARINGIN M L 10074	SWORD P F 64977	103354	106567	SZUCHNIK A 47133	
38755	SWYNNERTON R J M 35708	51094	74500	SZUCS A 28732	
41695	SWIDMORE P 5055	81449	28216	SZUCS J 14147	
SWEAT R L 3615	SYAKUDO K 10528 37920	50113	90195	SZUCS K 50339	100867
SWEATHAN G K 103352	37921 38860	7625	90892	SZUCS L 60283	70448
SWEEDBORE G E 7804	SYARZHANINA KH I 99128	66855	79854	90461 90462	90463
86915 106746	SYBESMA I 97134	18677	18223	SZUFRAJDA A 71376	
SWEEDMAN R 2613	SYBESMA R P 72292	28760	92422	SZUHAJ M 26730	
SWEELLEY C C 68286	SYBESMA W 13876 93890	22991	12527	SZUJECKI A 5210	
69174 10075	104949	57355	99245	SZUKIEWICZ Z 31694	
SWEENEY B M 19181	92673	56735	43386	SZULBERG A 59992	
67056	SYBRANDY S R 91419	104717	40347	SZULC K 69707	85699
SWEENEY C 45191	SYCH L M 57876	11783	51838	85700	85701
SWEENEY R F 70402	SYCHEVA Z F 33201	48752	104046	SZULC M 53897	
SWEENEY S B I 78938	SYCHEVSKAYA V I 33201	91168	84058 95256	SZULC P 37529	94344
SWEERS H E 39298	SYDOLER J P 15871	92361	95258		105227
SWEET H R 35302	SYDOW C O VON 57500	14841	94234	SZULC W 65820	
SWEET M C 84057	SYDOW C VON 71375	20587	20587	SZULE ZS 15179	
SWEET M H 84051	SYDOW E VON 44597	23986	100799	SZUMAN J 31994	
SWEET R D 29155	SYED I H 23810	95883	95883	32115 82575	82856
SWFETMAN B J 96714	SYED R A 95096	10077	10077	SZUNIEWICZ J 91308	
SWFETMAN W J 22046	SYKALO N G 10118	10077	10077	SZUPERSKI T 82139	
59321 79265	SYKES A H 7387 72663	19916	19916	SZUROMI A 41469	
SWEETSER P B 68827	104448	60681	60681	SZUSTKIEWICZ H 82951	
SWEICICKI J 22915	SYKES B J 67753	91170	91170	82952	
SWELIM A A 12432	SYKES F 97377	60682	60682	SZUSZKIEWICZ T E 9295	
SWELLENREBEL N H 105137	SYKES G 97378	32273	32273	29461 37527	
SWERNERTON A 4324	SYKES J A 34534	39386	39386	24135	
SWENSON C F 38431	SYKES J E 74909	69594	69594	SZUTU C C 100902	
SWENSON J L 2294	SYKES J G 7344 24787	36752	36752	SZWAJOWSKA K 35370	
SWENSON K G 14221	26196	76229	76229	SZWARSZTAJN E 61497	
14222 23102	89711	88033	88033	SZWFEM J 22994	
63660 73235	10076	23494	23494	SZWFEM J 42145	
SWENSON M J 3251	SYKES R T 7087	41943	41943	SZYMANIK W 79980	
13234 83090	SYKORA J 73904	43521	43521	SZYMANIKIEWICZ Z 21387	
SWENSON P A 28025	SYKORA T 77285	45859	45859	SZYMANSKA W 27828	
SWENSON W S 21172	SYKUT A 3100	80654	80654	SZYMCZAK J 17545	
SWETS W A 69081	SYLLA K F 51285	76201	76201	SZYMCZAKOWSKI W 5211	
SWETUCHINA W M 93282	SYLOS-LABINI P 56222	12736	12736	14569 42895	83898
SWEZEY R L 42549	SYLVA M G DA 26761	81863	81863	94972 94973	
SWIDER E 66245	SYLVAIN P G 44237	16880	16880	SZYMKIEWICZ M 4045	
SWIDERSKI J 61546	SYLVAN E 15703	37914	37914	SZYMONA K 32409	
SWIDERSKI M 71969	SYLVAN-JOHNSON M 6165	95258	95258	SZYMURA W 101539	
SWIDLER R 19156	SYLVEN E 105226	100799	100799	SZYMKARCZUK A 87169	
107167	SYLVEN N 1220 67876	101515	101515	SZYMKIEWICZ Z M 93892	
SWIECICKI C 29509	19168	64566	64566	103355	
SWIECICKI C 60084	SYLVESTER A 108666	29010	29010		
SWIERCZYNSKI A 107845	SYLVESTER E S 23259	5110	5110		
SWIETLIKOWSKA U 3052	83370	62984	62984		
63225 81683	SYLVESTER J C 74520	23103	23103		
SWIETLIKOWSKI M 72291	SYLVESTER R D 40291	32797 53052	94343		
SWIETLINSKA Z 17674	SYLWESTER E P 11111	94476	94476		
SWIETOCHOWSKI B 48436	49496 59948	76946	76946		
48671 50153	101561	101561	101561		
50155 58891	11110	11110	11110		
SWIEZYNSKI K 59889	SYLWESTER P 14898	38022	38022		
78210 79732	SYMES C A R 16555	14897	14897		
SWIEZYNSKI K M 9624	SYMES D G 5552	14897	14897		
SWIFT A 40290	SYMES H 14899	23907	23907		
SWIFT C E 16254	14899 23907	33440	33440		
SWIFT F C 255	33513 43299	73842	73842		
26996 32676	95536	95537	95537		
32789 32930	SYMINGTON F 35709	104616	104616		
47175 68010	SYMINGTON R B 104716	57052	57052		
68074 68075	SYMINGTON S 33484	10861	10861		
77961 83293	SYMONS P M 10861	1563	1563		
SWIFT H W 1709	SYMONDS G W D 10861	89154	89154		
SWIFT J E 87883	SYMONOWICZ S 1563				
SWIFT M 53870	SYMONS F 89154				

ITEM	ITEM	ITEM	ITEM	ITEM
TABLANTE N B 64900	TAJIMA M 46626	TAKANO T 37787	TALBOT L M --CONT 47688	TAMMES P M L 69084
TABLER K A 1718	TAJIMA S 31995 33594	TAKARATSUKI K 37607	TALBOT M 5476 73777	TANABE Y 99247
TABLER R D 100471	33823	TAKARI Y 90070	TALBOT M H 23171	TAMMES T 19589
TABOADELA M M 27437	TAJIMA T 10588	TAKASE G 40559	TALBOT M W 48909	TAMMINEN Z 71436
TABOIS H G 70789	TAJIMA Y 4153 5024	TAKASF K 44766	TALBOT P H B 88554	TAMOLANG F N 8751
TABOR H B 41114	31717	TAKASHASHI T 41047	105900	51317 71174
TABOR P 2614 10510	TAJIRO S 33632	TAKASHIMA A 64567	TALBOT R B 36119 87556	TAMOSIUNAS J 56325
17435 70837	TAKABAYASHI K 63804	TAKASHIMA A 79169	TALBOTT G 44318	TAMPION D 82899
TABRAH F L 8316 8341	63805	TAKASHIMA M 53120	TALBOTT G J 7062	TAMSA A 24930
TABUCHI E 52116 82446	TAKABAYASHI T 36920	TAKASHIMA R 27051	TALBOTT J E 101263	TAMURA H 60958
TABUCHI Y 33441 82405	TAKACS J 16234 45091	TAKASHIMA S 53118	TALBOYS P W 77825	TAMURA K 68585
TADUSHI J 680	86185	86186	TALEGON-HERAS F 94235	TAMURA M 33345 52988
TACAL J V 13305 31619	TAKACS L 20803	TAKASHIMA T 41138	TALENS A 55673	TAMURA S 20556 25749
31620 41791 72430	TAKADA H 48181	TAKASHID M 41784 92914	TALERICO R L 23411	44967 69085 78813
72665 82405	TAKADA K 100298	TAKASU T 53115 63804	TALHOUK A S 83465	90569 100474 107472
TACCOLI F 18224	7569	63805 94617 94618	83466 83467 94380	TAMURA T 3896 10155
TACHIRANA H 68583	TAKADA O 40759	TAKASUGI K 29125 84363	TALI V 72108 72948	35207 62694 80843
TACHIE-MENSON C K 85072	TAKADA S 25353	84364 84365 85874	TALIAFERRO W C 64812	TAMURA Y 81474 100685
TACHIKAWA T 53419	TAKADA Y 28842	TAKATA M 13393	TALIBUDEEN D 39751	TAN C H 105618
73775 73776	TAKAGAKI N 41169	TAKATO H 2167	TALIS F 54899	TAN C S 1065
TACHIYA H 29822	TAKAGAKI Y 4153 31717	TAKATORI F H 2496	TALSO S M 80430	TAN K H 100475
TACK C H 46915	31718	38000	TALLANT J D 25261	TAN P L 93109
TACK E 87100	TAKAGI H 34189 57098	11621	65327	TAN Y C 105229
TACK E F 75340	106851	TAKATS L 41137	TALLANTIRE A C 17729	TANABE H 32117 33595
TACKETT J L 10079	41115	TAKATSUKA C 35711	TALLARICO L A 20772	33732 62987 62988
TACU A 3285 63202	TAKAGI M 39021 58892	TAKAYAMA S 74477	60100	TANABE K 2573
TACU D 3285	60171 60284 100704	75962 76202	TALLEN W H 48631	TANABE Y 4047 51286
TADA Y 54898	100705	58893	89939	TANADA Y 33027
TADAKI R 80917	TAKAGI S 2437 44587	68077	78814	TANAHASHI N 41090
TADAKI Y 40558 48442	73730	TAKEDA G 37915	TALLEY B P 78107	TANAHASHI T 31453
TADDEI I 49573	TAKAGI T 107769	TAKEDA H 15872	TALLEY E A 54985	72736
TADDEINI L 103511	TAKAHARA H 18906	TAKEDA K 10266 28393	TALLIS G M 61614 104718	104719
TADEUCHI T 53102	TAKAHARA T 19078	31826 77099	TALLON C 4302	TANAKA A 2154 11527
TADEUSZ U 86164	TAKAHASHI A 98002 98003	TAKEDA S 20929 33442	TALLOS P 50749 58145	54800 55658 58894
TADIC M 23915 23916	TAKAHASHI D M 80429	33767	TALMADGE H E 35712	65005 100506
53159 53509 73272	TAKAHASHI E 8819	53102	39891	TANAKA B 5706
TADIC M D 53500 106048	19084 100473	64568	TALMADGE R H 6158	TANAKA C 18818 27629
TADINI 21926	TAKAHASHI F 29124	68078	TALMAGE N A 17400	TANAKA H 18225 33958
TADINI E 7285 45062	TAKAHASHI H 5023	9184	TALMON Y 108808	39810 60225 88199
TADMOR N H 67757	10265 93519	65634	TALMON-GARBER Y 76347	TANAKA I 20930 33286
TADOKORA M 26771	TAKAHASHI I 7151	80842	TALPALARU E 10978	TANAKA J 75197 93368
TADOKORO M 76326	19768 27054 27055	75285	TALPALARU G 10978	TANAKA J S 29331
TADROS G 32244 42177	29823 34679 34685	99992	TALPASEANU F 96909	TANAKA K 729 4241
TAEGE M 43116	34686 34780 35056	93880	TALSMA T 80655	38260 38566 41116
TAEUBER C 46068 46069	39022 44721 46398	97392	TALUKDAR M 92958	45861 57053 67372
TAFFS L F 32537	52116 75275 85782	104548	TALVIA P 423 79165	96698 98322
TAFRADZHISKI I 77823	96794 96795	106828	99246	TANAKA M 27056 31998
77824	TAKAHASHI J 28702	20311	TALWAR K K 107527	42710 45862 77100
TAFT H M 63062 63063	TAKAHASHI K 5000	49500	TALWAR Y P 66051 75735	83693 94600
23229 32624	27447 51286 52332	99481	75736	TANAKA O 35573
83172	60399 79206 81262	19346	TAMACHI I 29638	TANAKA S 17543 26356
TAFAURI F 58017 64939	84455 100259	36921	TAMADA S 93158	37479 74462 83717
TAG M W 106945	TAKAHASHI M 27737	100706	TAMAI I 107729	88889 93330 99129
TAGAKI T 50585	TAKAHASHI N 812	89274	TAMAI T 35713	99609
TAGAMI S 32494	81864 99509 100626	25218	TAMAKAWA Y 81450	TANAKA T 2988 19186
TAGARI V 93595	TAKAHASHI N 9812	32641	TAMAKI E 1420 10039	29464 42440 43718
TAGAWA K 1223 10080	19182 41321 51525	98321	18906 19078 19150	43719 52289 64569
TAGAWA M 26915 67896	51526 93330 93622	35304	19414 48305 78645	64570 89046 93159
TAGAWA T 10081 38436	93622	865	53406	100685
38437 58944	TAKAHASHI R 27771	47915	TAMAKI G 53051	TANAKA Y 88660 93032
TAGEEVA S V 10082	28217 31070 32501	39066	TAMAKI Y 105859	93369 97064
TAGGART J 78810	83119 84059 84060	71566	106049	TANANKA S 30419
TAGGART W G 36451	TAKAHASHI S 73464	94621	TAMAMOTO S 37390	TANASACHI J 42940
TAGTEV S M 13158	94617 94618	67758	TAMAMURA K 59657	TANASE L 15896
TAGLIA L 31548	3004	5023	TAMANINI L 95259	TANASE V 9981
TAGUCHI T 65443 86516	6926 18359 18360	40081	TAMARI B 89605	TANASESCU G 55422
86516	60517 62717	50057	TAMARI C 102744	TANASIICHUK V N 43118
TAGUDAR E T 50680	72669	32116	TAMARIN R 3989 4389	TANASIJEVIC D 49902
71162	TAKAHASHI Y 1127	869	4425 71820 104139	TANASIJEVIC N 14148
TAGUNKOV YU D 24675	32875 38778 82514	97303	4673	14570 23774 106051
TAGUNOVA L N 78066	93880 105228	97396	73168 105063	TANBARA K 40083
TAGWERKER F J 93363	43117	30125	TAMAS G 99043	TANCOUS J J 35017
TAHA M I 34698	TAKAHASI H 58790	652 86657	TAMAS GY 45860	75613 97091 97092
TAHA M S 10083	TAKAHASKI T 19183	43701 43722	TAMAS K 31495	TANDA M V 52751
TAHAMA Y 18357 18358	TAKAHATA K 3896 104207	51805 97303	TAMAS L 12737 31014	TANDAN B K 5631 106156
47547 99656	TAKAI A 88888 95586	97395 97396	101444	TANDLER C J 33195
33665 40019	TAKAI M 42795 69085	1123 19346	TAMAS P 1224 28918	58895 83996
93518	78813	42845	28919 58462 59658	55520 65947
TAHARA I 33686	TAKAI Y 20466 20486	84061	TAMASHIRO M 23200	75622
33822	60172 60173	31621	23260 106050	TANDON G L 38641 85797
62396	88454	60224	10084 28219	96896
TAHER KHATER A R 101064	70637	68584	TAMASI J 89222	TANDON H P 64625
TAHIR W M 100868 101064	33882	90106	28817 59507	TANDON I N 9145
TAHON J 467 5427	97395 97396	97303	78324 79733	TANDON K 14670
83371 88887 99657	TAKAMATSU M 31773	97924	89313	TANDON M M N 20765
TAI C C 59405	TAKAMATSU S 35303 93208	1270 39750	40737	TANDON R N 9146 9671
TAI F C 105467	93364	101768 101769	76203	10169 34831 55203
TAI H 24390	31996	97379	76569	68217 78009 88752
TAI K Y 50681	93366	6321 65005	TAMBAD S B 40082 102053	TANDON S K 105745
TAI-JAN L 90196	93367	74662 85162	108052	TANDON S L 9521 37788
TAICHINOV S N 2495	TAKAMI I 40421 40422	28218 89170	10864	58273 58463 89135
20703	71465	89714	89715	99916
TAIETZ P 76719	TAKAMI J 42843 53117	83716	11622	TANDON S P 60226
TAIGANIDES E P 2685	TAKAMI K 42844	101859	91164	TANDON S R 37709
43867 95917 95918	TAKAMI M 59082	14211	14068	TANDOR R N 86897
TAILLANDIER J J 53980	TAKAMI-YA A 78165	42637	108584	TANEJA G C 4052 31455
51685	TAKAMINE H 16801 35572	60683	40817	TANEJA H L 107872
TAIUMA A 107472	TAKAMIYA A 1361 38574	84820	56615	TANEJA J D 75865
18661	88035	0	98638	TANENAKA K 33843
TAIMR L 64126	TAKAMIYA F 38647	63722	TAMIMI Y N 11289	TANEV D 32186
TAINDL A 10302	TAKAMORI H 36169 44581	12865	72293	TANEV I 82760
TAINIO A 60488 99771	TAKAMORI O 93367	100500	25837	TANEV I I 88704
TAINSH J A R 55944	TAKAMOTO K 23659	62672	88035	TANEY A 46660
TAINTON N M 19672	TAKAMUKU S 21654	10505	4767	TANEYA S 15636
27837	TAKANAGI M 80841	72097	25748	TANFORD C 6047
TAIRA H 38640 100472	TAKANASHI K 9144	71377	27270	TANG C C 102292
107526	99510	70303	11299	TANG C F 89375
TAIRA T 45340 105497	TAKANO H 17865	50244	18300	TANG C H 76471
91120	TAKANO K 20452 53118	28816	70235	TANG C K 101086
75874	28544	11834	102556	TANG C S 45863
66246	TAKANO N 28703	39569	86916	TANG F L 100208
	32215	11112	80431	TANG J Y 108797
	30227	23171	92556	TANG M I 32799
			68250	TANG P M 33485



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
TANG P S 473 18364	TARAKANOV K N 89225	TASKIN G A 57054	TAYLOR B 62145	82060	TAYLOR W A 12923
69086 100475 100586	--CONT	TASLAKHCHYAN M G 47002	82119	82119	TAYLOR W B 9149 50136
TANG S Y 45397	TARAN I V 50750	TASLIMI H 82455	82456	82456	TAYLOR W H 56887 76204
TANG W K 51127	TARANENKO A G 82289	TASMAN J E 30662	102981	102981	TAYLOR W I 28286 43949
TANG W T 9522 28220	TARANENKO V I 1225	TASUTALI A S 26862	26862	26862	
28486 28545 47916	TARANOV M T 81685	TASNADY K 81366	81366	81366	
TANG Y W 100324	85548	TASNIF M 32578	32578	32578	TAYLOR W M W 31625
TANG Z J 99026	TARANOV V A 3286	TASSI F 94978	94978	94978	TAYLOR W R 57703 88490
TANGANYIKA 35714	81924	TASSINARI F C 85073	85073	85073	TAYLORSON R B 90730
TANGEMAN L N 91403	6323	TASUGI H 18362	18362	18362	TAYSUM D H 7398
TANGHE L J 12433	74663	TATA S J 97413	97413	97413	TAZAKI T 28223 90570
TANGL H 3502 51429	TARAS M A 61597	TATARINOV A N 69765	69765	69765	TAZAWA M 78816
81684 91887 92135	TARAS S 34252	TATARINOVA N K 100477	100477	100477	TAZAWA Y 28394
TANGORRA G 26215	TARASENKO A 5798	TATARINTSEV A S 100478	100478	100478	TAZIMA K 100535
TANGREN C D 43398	TARASENKO B I 2500	TATARINTSEW A S 90279	90279	90279	TAZIMA Y 94619
TANHUANPAA E 96971	TARASENKO M P 20804	TATARLA M 15105	15105	15105	TCHAN Y T 29827
TANI N 10085	49096 49097 60566	TATARU T 10648	10648	10648	TCHILEV D 72991
TANI T 25521 25522	TARASENKO M T 90293	TATE H F 69925	69925	69925	TCHOUHE M 38275
107448 107528	TARASENKO P N 28606	TATE L B 56718	56718	56718	TE PUNGA W A 32281
	TARASEVICH E I 1226	TATE M E 20416	20416	20416	TE-WECHER L 107688
TANIFUJI M 30529	49384	TATE M T 24557	24557	24557	TEACI D 2285 2438
TANIFUJI S 881 89165	TARASEVICH V 45471	TATE S P 46257	46257	46257	TEACIUC M 92125 97626
89166 89168 89169	66394	TATEISHI S 93521	93521	93521	97686
89170 89224	TARASEVICH V F 87101	TATEOKA T 146 730	146 730	146 730	TEAGUE H J 7456 16408
TANIGUCHI H 13986	TARASEWICZ W 3897	8753 27630 36923	27630 36923	27630 36923	TEAGUE H S 13789 52553
39752 75474	31623 78215 98972	99994	99994	99994	52673 82900 82901
TANIGUCHI S 27745	40455	TATEOKA T N 59083	59083	59083	104779
	71059	TATES A D 83929	83929	83929	TEAKLE D S 18363 37480
TANIGUCHI T 18361	TARASOV A 16986	TATEWAKI M 27448	27448	27448	88890
TANIGUCHI Z 77936	TARASOV A V 49477	68413 88399	88399	88399	TEAOTIA S S 28843
TANIHATA M 37118	79842	TATSIAMOS K 72645	72645	72645	59535
TANIKAWA E 16522	TARASOV G 76926	TATSUNO S 89716	89716	89716	TEARE I D 96699
	TARASOV I 82290	TATSUYA H 29826	29826	29826	TEASLEY J I 75217
TANIMOTO A 13573	TARASOV N G 35816	TATSUYAMA K 18226	18226	18226	TEATER R W 50017 70532
TANIMOTO T 47956 78214	TARASOV V 29127	TATUM E L 1321	1321	1321	TEBB C P 75530
86492 86493	TARASOVA L R 93379	TATUNO S 37792	37792	37792	TECZA K 86685
	TARASOVA V I 79408	TAUBE T 6828	6828	6828	TECZA S 72861
TANIO C 64234	TARBINSKII S P 5248	TAUBER F W 7220	7220	7220	TEDDEN 34450
TANIS J J C 50340	5477 5635	TAUBER J 76348	76348	76348	TEDER A 21628 51275
TANIS K 93035	TARCHEVSKII I A 38438	TAUBERT F 32392	32392	32392	61499 81516 81517
TANIUCHI M 93033	TARCZYNSKI S 73006	TAUBITZ 53997	53997	53997	TEDESCO L F 30981
TANIZAWA Y 93034	TARDANI A 4067 13003	TAUBITZ A 7671	7671	7671	TEDFORD J R 106593
TANJI K K 97877	32384 72941 82576	TAUCHER E 108149	108149	108149	TEDIN O 78237 79058
TANKER M 11242	93063 93160 93804	TAUCHER E H 86776	86776	86776	TEDORADZE S G 49385
TANKER H 69311	93805 104785	TAUCHERT W 84471	84471	84471	2297
TANKERSLEY H C 64314	TARDIEU J 72431	TAUCHNITZ E 12329	12329	12329	TEODROW J C F 49845 90996
TANNER C B 2179 18474	TARDIEU-BLOT 88037	TAUFEL K 6760 24391	6760 24391	6760 24391	
TANNER E 17436	TARDIEU-BLOT M L 37790	34008 35354 43941	35354 43941	35354 43941	TEDZUKA K 80857
TANNER H 15559 15560	46916	55099 55683	55683	55683	TEE L A 61200
16057 24719 25371	TARDITS C 87293				TEEGUARDEN D E 40614
65459 85163	TARDIS S 83468	TAUFFLIEB R 63857	63857	63857	TEEL M R 26785 76656
85164 85165 85875	TAREN N 1243	94785	94785	94785	TEEL W C 11113
	TARIQ F H 56516	TAUFMAN W I 100115	100115	100115	TEENSMAN B 70895
TANNER J W 866 38773	TARIS B 48013	TAURO P 24555	24555	24555	TEER P A 71821
TANNER V M 94974	TARJAN A C 523 99725	TAUSENFREUND R 95753	95753	95753	TEERI A E 3503
	TARJAN R 81788	TAUSSKY H H 32119	32119	32119	TEESDALE R 26820
TANNERT W 43387	TARJOT M 68218	TAUTSCHER A 108042	108042	108042	TEESDALE-SMITH H 108497
	TARKIEWICZ S 92572	TAUTSCHIN E YA 12738	12738	12738	
TANNOCK G W 104705	92573 92574	31015 31456	31456	31456	TEETER H M 26026 45181
TANNOUS A I 108336	51368	TAVAMAISHVILI E F 105315	105315	105315	TEFERTILLER K R 76404
TANO F 48443	TARKOW H 82499	TAVAMAISHVILI M E 81865	81865	81865	TEGGE G 76434
TANO T 29712	TARKOWSKI A K 9840	TAVANT H 48281	48281	48281	TEGNER R F 2059 21000
TANOUCHI M 93520	TARKOWSKI C 107847	TAVARES C N 26972	26972	26972	TEHVER J 98639
TANQUARY E W 15081	TARKOWSKI W 52476	TAVARES F 49132 90363	90363	90363	TEIC J 43776
TANSATHIT P 4768	TARLATZIS C 54551	TAVARES J 52752	52752	52752	TEICH A H 78817
TANTAWI M H 97478	TARLATZIS C B 52477	TAVARES S 17797	17797	17797	TEICHERT G 104004
TANTAWY A O 5325	TARNAUCEANU E 70638	TAVARES W DE A 74839	74839	74839	TEICHERT H 42012
	TARNAVSKI I T 99993	TAVASCI D U 76189	76189	76189	TEICHERT H G 22849
TANTINI L 33203 73678	TARNORUTSKII S A 90992	TAVCAI A 9625 10381	10381	10381	TEICHERT M 53289
53995 56623	TARNOVICH N K 84586	TAVEIRNE W 33912	33912	33912	TEICHMANN H 63896
TANTTU O 102873	TARNOVSKA K 100476				TEICHMANN J 12032
TANNANI S K 4426	TARODCC C 31624	TAVELIRNE W 54014	54014	54014	81866 88038
TANZER M L 13565	TAROCINSKI E 12298	TAVERNA G 89940	89940	89940	12774
TAO C C 42441 63611	40855	TAVERNIER A DE 27046	27046	27046	TEIGLAND J 35968
TAO C H 63594	TAROPA T 90989	TAVERNIER R 11431	11431	11431	3993
TAO C W 11271	TARPEY R W 72594	TAVERNOR W D 32538	32538	32538	TEIL I 77449
TAO Y T 12252 51224	TARPO E 37753	TAVES M J 35509	35509	35509	TEILING E 77045
TAPADAR D G 44518	TARR H L A 35404	TAVETKOV V 87352	87352	87352	TEILLET R 76646
TAPADAR N N R 37789	97527 97528	TAYROVSKAYA O 78704	78704	78704	TEIMUROV K G 50341
	TARRAL R 75160	TAYROVSKAYA O L 68947	68947	68947	102239
TAPANA M 14400	TARRANT J 74993	69088	69088	69088	74812
TAPARAUSKAITE M 33596	TARRY G W 10865	40778	40778	40778	TEINBERG R 50158
	TARSHIS I B 4769	TAVSANOGLU F 81337	81337	81337	TEIPEL R 40295 50158
TAPER C D 19187	4770 42551 105343	TAWA A 67373	67373	67373	50342 91310
TAPERKIN V V 48651	TARSHIS L 67276	TAWAGEN A 1227	1227	1227	TEISSEIRE P 24392
TAPERNOUX A 25885	TARSHIA N 55011	TAWAGIN A M 27916	27916	27916	TEISSER 94272
	TARTARI T 103934	27917 58624	58624	58624	TEITELBAUM B YA 66131
TAPIA Y C 71890	TARUI F 84456	TAWARA T 43522	43522	43522	TEIWES G 7806 10087
TAPIA Y J 30763 72590	TARUMI H 101661	TAWFIK M F S 63977	63977	63977	11501 70639
	TARUSOV B N 27911	64127	64127	64127	TEIXEIRA A J DA S 2295
TAPIA-FRESA A 74358	TARVER F R 26198	54900	54900	54900	732
TAPIAS R 48753	32118 45202 66114	TAWSKI W 56108	56108	56108	TEIXEIRA A R 15527
TAPIERO H 41269 82464	75789	TAYAMA H K 78815	78815	78815	85876
	TARVER J D 27045	TAYEL M A 59890	59890	59890	26798
TAPIO E 471 58018	TARVERDYAN T N 92470	TAYGUN N 7510 16433	16433	16433	92442
	TARVIT-GONTAR I A 5364	16457 45341 66247	45341 66247	45341 66247	TEIXEIRA R S DA S 67943
TAPLIN J H E 32219	TASAKI I 72595	TAYLER J C 92269	92269	92269	2153
	TASAKI J 9361	TAYLER S K 11694	11694	11694	TEJNING S 42057
TAPP J W 36284	TASCAU I 31134	TAYLOE G K 5934	5934	5934	TEKELI S T 55367
TAPPAN W B 23261	TASCENCO V 91888	5936 * 5937	5937	5937	TEKIELSKI B 21526
TAPPARI A 103884	TASCHOJIAN E 69087				TEKLINSKA M 36528
TAPPEINER J C 39660	TASCHENBERG E F 42711	TAYLOR A 4674	4674	4674	52212
TAPPEL A L 21916	63661	42376 42552 58211	42552 58211	42552 58211	53009
TAPPER D N 31622 92756	78590	TAYLOR A A 86147	86147	86147	TELEBA V 36285
	TASCHENMACHER W 27026	TAYLOR A E R 61721	61721	61721	TELEGDY-KOVATS L 24341
TAPTIKOVA S D 78959	65458	TAYLOR A L 49293	49293	49293	85166
	TASHBEKOV KH 29939	TAYLOR A M 55456	55456	55456	TELEGIN N P 102454
TAPTYKOVA S D 9861	TASHIRO Y 105300	TAYLOR A M M 16235	16235	16235	52478
TAPU C 56326	TASHIRO Y 104047	TAYLOR A N 41879	41879	41879	TELESCA M R 37794
TARABAIN A 7063	TASHKHODZHAEV A 80249	TAYLOR A O 79057	79057	79057	TELESMER YU K 30034
TARABIONO C 81176	TASHMUKHAMEDOV A 67024	TAYLOR A R 50965	50965	50965	58896
TARAKANOF M A 29126	TASKER J 56517	TAYLOR A W 39753	39753	39753	58897
TARAKANOV G 28221	TASKER J B 52117	80065 80078 90893	80078 90893	80078 90893	52961
TARAKANOV K N					63682

	ITEM		ITEM		ITEM		ITEM		ITEM
TELFORD J N	105316	TER-GRIGORYAN M A	14772	TESCHERMAK-SEYSE-	67561	THALER H --CONT	34277	THIENPONT D	13567
TELTICHENKO M M	37926	TER-MINASYAN M E	14571	NEGG E			96327	THIER L	12803
TELIZ-ORTIZ M	47458		43033	TESCHNER D	94786	THALER R	101869	THIERER H	24899
TELKIEV G	38445	TERACHE P	41199	TESCHNER R	3769	THALER S	106959	THIERET J W	72
TELLA R DE	10088	TERADA N	65443	TESEDIK S	98569	THALES F	61501	17621	26827
TELLE H J	37147	TERAHARA A	73456	TESHIGAWARA M	13986	THALHEIM K C	108890	98845	98976
TELLE P P	72793	TERAKAWA H	35366	TESHIMA M	42773	THALMANN E	54106		99800
TELLEN M	62042	TERAKAWA M	32539	TESI L	3701	THALY K	26857	THIERFELDER	83199
TELLER E	67503	TERAMI H	38129	TESI R	66248	THAMES W H	37176	THIERGART F	67761
TELLER F	98640	TERAMURA T	680	TESIC T	14570	THAMM H	3504	THIERMANN E	51563
TELLER H L	49946	TERAN A L	53451	TESKEY B J E	39040	THAMS J C	17471	THIERY G	61899
TELLHELM E	88661	TERAN M D	108337	TESKEY J E	69708	THANGAVELU T K	11623	THIES H	73236
TELNESET S O	77867	TERANISHI R	6761	TESLENKO YU V	38127	THANH V	71880		80128
TELO P	32291	25372	26015		67697	THAPA R S	43340	THIESEN W L	22326
TELPALARU E	79643		34701	TESLER T YA	67760			THIESFELD V A	89047
TELSCHOW G	23470	TERAD S	87102	TESLOR G C	52981	THAPAR A R	28877	THIESMEYER L R	41032
TELTSCHEROVA L	18986	TERASAWA S	2129	TESORO-VALLEJO M	52291	THARINGTON W H	29196	THIESSEN D D	104222
48206	48445	39672	40818	TESSEMA S	12807	THARP M M	46008	THIEULIN G	45030
TELYATNIKOVA G N	19188	TERASHIMA H	81367	TESSA J L	13003		67050		107631
TEMBER K	35130	TERASHIMA N	41048	TESSIER A H	87925	THARP V L	72296	THIGPEN E	34726
TEMBROCK G	81867		41146	TESSIER J P	81289		83083	THIGPEN J E	35197
TEMESI Z	52647	TERASHIMA S	33945	TESTA C	86303	THARRINGTON W H	29288	THIJN G A	77937
TEMIN R G	14688	TERASMAE J	17537	TESTER M E	71328	THASSITIS B	17195	THIJSEN W	37608
TEMIZER M	21927		67759	TESTI C	53872	45371	45372	THINIAH S A C	15561
		TERAVANESYAN D V	79252	TESTI F	31458	46416	46417	THIMANN K V	1027
TEMKIN-GORODEISKI	37366	TERAZAKI W	71208	TESTINI C	93372	46419	55981	1119	1401
N		TERAZAWA S	40819	TESTON A	49821	THATCHER A P	101586	38337	38373
TEMPE J DE	310		81368	TESTONI A	93332	THATCHER F S	6048	73492	87885
312	424	TERBLANCHE M	31016	TESU C	68714	THAUER R	52055	THIMANN R G	5212
1230	1231		103886	TESU V	69739	THAVARAMARA B	4768	THIMM H U	7152
		TERCERO-BONIFAZ C	20931	TESEFORT J P	23104	THAXTER R	87963		26858
TEMPEL F J	75738	TEREGULOV I KH	51451	TETENYI P	72786	THAXTON E L	1564	THIND K S	8877
TEMPELIS C H	5365	TEREKHIN E S	18493	TETER N C	5890	50290	79231		47015
	23730	TEREKHINA M T	31457		64671			THINDERHOLT V E	53333
TEMPER K	75616	TEREKHOV A	33705	TETEREVAS F	28876	THAYER E	87304	THINGVOLD M	19848
TEMPERTON H	93161	TEREKHOV F I	102810	TETEREVNIKOVABAB-	27057	THAYER R H	72594	THIRIET R	62475
TEMPIR Z	75476	TEREKHOV I N	4521	AYAN D N		THEAKSTON F H	74182	THIRION A	75182
	90071	TERELAK H	80199	TETERNIK D	21897	THEARLE R J P	4674	THIRION P	66132
TEMPLADO J	23262	TERENIN A N	1432	TETERYATCHENKO K	9442	THEAU P	6091	THIRKELL D	1434
TEMPLE H C	22250	TERENTE M	45732	G		THEBAUD J	63840	THIRSK A C S	7065
TEMPLE J L	22447	TERENTEVA L P	79940	TETLAW C	53802	THEE J	101351	25751	34947
TEMPLE J R	101354	TERENTEVA M V	55741	TETLEY G	8292	THEILEN G H	13070		67648
TEMPLE K L	80108	TERENTEVA Z A	100591	TETLOW P N	75909	13147	13160	THIRUMALACHAR M J	232
TEMPLE R E	2060	TERENTYEV M	66856	TETRAULT R C	86494			18640	26936
TEMPLE R S	7170	TEREPKA A R	22676	TETTENBORN D	4828	THEILER M	83226	74519	99958
			22677		4151	THEILIG W	86092		10869
TEMPLEMAN-KLUIT L	17077	TERESHCHENKO I F	76879	TETU R	106635	THEILING V B	9687	THISTLETHWAITE E	10870
K		TERESHEHENKO V	45613	TEUZYLAFF M	4210	THEIMER K	46529	THISTLETON G F	98791
TEMPLETON A R	100479	TERESHEHENKO V I	43891	TETZNER	2782	THEIMER D F	7064	THIVEND M J	101132
TEMPLETON G E	9147	TERESHENKOVA N M	101874	TEUBER P B W	45343		25750	THIVY F	182
9148	37367	TERESHKOVICH G	313	TEUBER R	91451	THEIMER W	69089	36970	67925
	99248		25448	TEURNER F G	38471	THEIS J H	13000		88492
TEMPLETON J A	81785	TERESHTCHENKO P	69645	TEULADE P	5030	THEIS T	38918	THOBBI V V	5554
	82291	TERMAN G L	40084	TEUNISSEN G H B	3898			THODAY D	98647
TEMPLETON J K	88675		80372		104048	THELLIER M	48447	THODAY J M	14689
TEMSAMANI A	69457	TERMIER H	40349	TEUNISSEN H	103140	THELOE G	72361	94667	105714
TEMSAMANI M	76532	TERMINE L	98353	TEUSCHER E	42211			THODAY R E	38988
TENABE E	36290	TERMOHLEN G P	18227	TEUSCHER H	10868	THEOBALD W L	77415	THODE H	12293
TENDEIRO J	33070		19120	20084	26903	THEODORE M G	180811	THOGERSEN O	472
TENDILLE C	78434	TERMUNDE D E	19572	29011	29202	THEODORE P E	59993	1530	2439
TENFEL F	74079	TERNOVSKA M I	49777	36926	46917	THEODORIDES J	53290	60514	60515
TENG C H	100157	TERNOVSKAYA M I	29527	57658	77414		81899	6518	96646
TENG C T	102240	TERNOVSKII D V	46688			THEODOSIADIS G	4517	THOM J R	81074
TENG H S	105978	TERNOVSKII F	39395	TEUSCHER R	13159	THEODOSIADIS G	13566	THOM M	22447
TENG K F	105591	TERNOVSKII M F	59448	TEUTEBERG A	70406	THEOPHILUS D R	8133	THOM M A	3989
TENG L Y	90197	TERPINSKI Z	10090	TEW R K	19190	THEOPHILUS T W D	87215	THOM R	74994
TENG T F	89375	TERPLAN G	6117	TEW R P	83425	THEORELL H	57305	THOMA J A	15936
TENG W	66309	24459	25985	TEW R W	100481	THERM M	43636	THOMAE K	1902
TENGLER H	24494	TERPO A	77413	TEWARI G P	1232	THERECKA V	93921	THOMAN M	44398
TENMA T	16801		90731	TEWARI J N	76091	THERET M	22120	THOMANN R	44970
TENNANT J B	27693	TERPSTRA F	4106	TEWARI J P	17906	63333	82023	THOMANN W	54692
TENNANT J R	147	TERPSTRA J	43609		88545	THERMAN E	89226	THOMAS A	45121
TENNEY A W	67193	TERPSTRA J I	13880	TEWARI K K	28184	THERON A	77233	THOMAS A F	7336
TENNILLE N B	3287		93813		59084	THEROND J	43034	THOMAS A G	86387
	3288	TERR A I	52816	TEWARI M C	61374	THERRELL J S	40674		86404
TENNY A W	15012	TERRA J G	37148	TEWARI R P	103358		50919	THOMAS A J	4545
TENNYSON L B	93370	TERRA P	733	TEWARI V P	734	THEIRIAULT D G	45191	THOMAS A L	18660
TENDRE M	87945	TERRANOVA A C	14149	TEWIF M C	58496	THERRIEN H	89683	THOMAS A M	97009
TENOV R S	44594	TERRAZAS-LOYOLA J	88558	TEWIF H R	73678	THEUNE D	18072	THOMAS A V	21501
TENRICH W	6678		88662	TEWKSBUARY A R	60729	THEURER	67633	THOMAS B M	68652
TENWINKEL E	88097	TERRELL J U	56661	TEYROVSKY V	98596	THEURER B	61898	THOMAS C	74134
TENZER D B	103216	TERRES J K	8490	TEZUKA U	33597	THEURER J C	48911	THOMAS C A	63913
TEOCCHI P	94486	TERRETAZ J L	36924	TEZUKA Y	9338	THEVENIN P	21803		99313
TEODORESCO S C	107219	TERRIER R	88039	THACKER D L	64514	THEVENOT R	15477	THOMAS C H	70069
TEODORESCU I	5733	TERRIERE L C	501	THACKREY D J	82658	THEWLIS B H	16164	72596	104246
TEODORESCU S	34275	35206	42638	THACKREY R I	36594	THIBAUD J M	23965	THOMAS C Y	74664
	6322	TERRILL C E	13649	THAER R	24076		95674	THOMAS D	24501
TEODORESCU S C	24721		32199	59895	71670	THIBAUDAT C	25105	THOMAS D D	70449
TEODORU O	101682	TERRILL S W	13797	THAINE R	8216	THIBODEAU L A	54968	THOMAS D L	25752
TEODORU V	22899		83101	THAIR P J	73064	THIEBAULT M	23529	THOMAS D M	48555
72136	91876	TERRINO E F	19189	THAKARE K R	66371	THIEBAULT J	27326	THOMAS D R	28225
TEOMAN H N	13977	TERRY E T	46463	THAKAR J L	5478	THIEBAUT H	28782	THOMAS E	108338
TEOMAN N	17288	TERRY H J	83291	THAKORE V M	56109	THIEDE G	16923	THOMAS E D	104049
TEOTIA T P S	94024	TERRY J	107848	THAKUR A S	30072	THIEDE H	47402	THOMAS E E	80656
TEPE W	10089	TERRY L L	6456	THAKUR D P	63515	THIEG B J	84899	THOMAS F H	1233
TEPPER S S	18659	TERRY P H	52694	THAKUR J R	27199	THIEKLE C	9523		2106
TEPLA N I	54901	TERRY W A	51686	THAKUR M L	100797	THIEL C C	53675	THOMAS G	6135
TEPLANSKI T	2925	TERSCH F	2740		33492		74009		10871
TEPLITZ R L	3651	TERSKIKH I I	106980	THAKUR R N	8990		106258	THOMAS G G	58898
TEPLOVA E A	28224	TERSKOV I A	93371		43341	THIEL J F	42331	THOMAS G M	82275
28547	68651	TERTECEL M A	629	THAKUR V	47276	THIEL P H VAN	8072		103236
TEPLY L J	46462	TERTECEAN A E	43119	THAKURTA B K G	47822	THIEL R	43495	THOMAS G S	39303
TEPPEEV S B	16287	TERUEL J	27273	THAKURTA S C	24403	THIEL T J	2130	THOMAS G W	14150
TEPPER E Z	11363	TERUI G	7569		573	THIEL W	31643	60174	80013
49810	49820	TERVER D	5070	THAL E	21862	THIELE H U	14572	THOMAS H	1630
		TERZIAN L A	73698	51531	104208	THIELE P	41773	40296	60684
TEPPER I	62403	TERZIC D	61420	THALACKER R	15396		41792	THOMAS H A	105684
TER AVANESYAN	65346	TESAR S	2750		106924	THIELIN R	44969	THOMAS H E	20895
TER KARAPETYAN M	61682	TESCH F W	29360	THALEN J	12739	THIELSCHER H H	103888	50343	81687
A		TESCH J W	87381	THALEN N	61500	THIEME B	5707	THOMAS H L	19470
TER KHACHATUROVA	57656	TESCH M	15082	THALENHORST W	23412	THIEME H	1433	THOMAS H R	82910
S YA		TESCHENDORF R E	28548		32914		10267	THOMAS I V	17437
TER-AVANESYAN D V	38809			THALER H	24722		89941	THOMAS J R	25263
48798	100480				24723	THIEN L	74422	THOMAS J	41891



THOMAS J --CONT	ITEM	THOMPSON H A	ITEM	THOMSON G M	ITEM	THORSELL W	ITEM	TIDEMAN P L	ITEM
72447 91988	106852	THOMPSON H E	20400	THOMSON G W	18259	THORSON J	103629	TIDMARSH C E M	97262
THOMAS J B	23387	47415 48672	4921	THOMSON J	47549	THORSSUD J	84203	TIDWELL C A	18960
38440 79059	79060	THOMPSON H J	100074	THOMSON J	80844	THORSSON S	87714	TIDWELL T	76533
THOMAS J G	63497	THOMPSON H R	18329	THOMSON J	102481	THORSTEINSON A J	3770	TIECCO G	5257
THOMAS J H	72873	THOMPSON J A	87530	THOMSON J	54093	THORSTEINSON I	4523	TIECCO G F	31460
THOMAS J M	4107	THOMPSON J C	6815	THOMSON J A	64746	THORSTEINSSON I	17171	TIEFENBACH B	34997
THOMAS J P	25986	THOMPSON J E	7007	THOMSON J E	65836	THORSTEINSSON T	14937	TIELMANN H	51942
THOMAS J R	2481	THOMPSON J F	92674	THOMSON J L	13459	THORSTENSEN T C	44627	TIEN D D	21785
50160 102054	106636	THOMPSON J G	84914	THOMSON J M	31999	THORUP J	44135	TIEN P	3947
THOMAS J W	22076	THOMPSON J H	27113	THOMSON J R	50161	THORUP S	50161	TIEN S K	95819
THOMAS K	36519	THOMPSON J I	84934	THOMSON J W	15211	THORUP S	55545	TIEN T H	88674
THOMAS K J	17800	THOMPSON J J	48633	THOMSON N J	24148	THOUKIS G	40724	TIEN W C	60285
THOMAS K K	5596	THOMPSON J K	79019	THOMSON P H	38441	THOUZEAU J	6400	TIEN-YUAN H	104361
THOMAS L A	4771	THOMPSON J L	79061	THOMSON R	78821	THRANE-NEILSEN S	34392	TIERKEL E S	3268
THOMAS L K	78320	THOMPSON J M	87103	THOMSON R G	78821	THRANE-NIELSEN S	60595	TIERNEY S E	3292
THOMAS L V	54563	THOMPSON J N	54299	THOMSON R H	67986	THRANENIELSEN S	85410	TIERMA P	96527
THOMAS M	75790	THOMPSON J O	108043	THOMSON W	90107	THRASHER D M	4524	TIERSONNIER B	24881
THOMAS M D	97261	THOMPSON J P	5809	THOMTE D	79534	THRASHER F P	62146	TIESSEN H	1235
THOMAS M H	76890	THOMPSON J Q	69312	THONT H	79542	THRASHER J J	78524	TIET V Q	38442
THOMAS M P	27112	THOMPSON J R	28549	THONKE M	90466	THRASHER J P	86374	TIETJEN C	40087
THOMAS M R	38528	THOMPSON J S	48738	THONON H	22267	THRELFALL D R	72432	TIETZ A	5597
THOMAS N	68329	THOMPSON J T	80244	THONS H	32540	THRESH J M	19193	TIETZ H M	73502
THOMAS O O	22121	THOMPSON J W	39570	THOONEN J	73827	77912	18322	TIETZ W J	82249
THOMAS P	78819	THOMPSON K A	59994	THOR E	52357	THRONBERRY H H	83471	TIETZE F	33127
THOMAS P B	85877	THOMPSON K B	6075	THORBECKE E	52486	THROWER P	47482	TIETS J	3505
THOMAS P E L	71292	THOMPSON K C	6248	THORBECKE H J	72774	THROWER S L	49259	TIFFANY L H	99088
THOMAS P H	10303	THOMPSON K D	107632	THORBECKE J	104617	THUAV U J	8756	TIFFANY L W	4550
THOMAS P L	93687	THOMPSON K E	6671	THORBEK G	60685	THUGEN-D-FREIHERR	46258	TIFFANY R J	44702
THOMAS P M	60793	THOMPSON K F	40086	THORBEK H	20766	VON	10841	TIFLOV E	67194
THOMAS P R	96842	THOMPSON K G	90843	THORBEK J	19191	THULASIDAS G	71293	TIGLAD T V	50977
THOMAS P T	28704	THOMPSON K H	90843	THORBEK K	19192	THULIN I J	13629	TIHANY Z	21172
THOMAS R G	49678	THOMPSON K I	2172	THORBEK L	100681	THULKE H G	59536	TIHONEN P	21172
THOMAS R H	25041	THOMPSON K J	49651	THORBEK M	81543	THULLBERY H A	59536	TIITOLA M	50682
THOMAS R J	12342	THOMPSON K K	58900	THORBEK N	41256	THUM E	74170	TIITTA M	75227
THOMAS R L	80079	THOMPSON K L	35518	THORBEK O	31626	THUMANN J D	55945	TIITS A	27347
THOMAS R O	31354	THOMPSON K M	33937	THORBEK P	83084	THUN M	70896	TIITTANEN K	6832
THOMAS R T S	33028	THOMPSON K N	33937	THORBEK Q	83084	THUNBERG A	81767	TIJEN W F VAN	97381
THOMAS S A J	105685	THOMPSON K O	23589	THORBEK R	61598	THUNEBOERG E	105860	TIJSEN E	37381
THOMAS S B	5730	THOMPSON K P	33205	THORBEK S	102745	THUNELL B	51095	TIKADER B K	14478
THOMAS S C	15654	THOMPSON K Q	9524	THORBEK T	6927	THUNEN J H VON	8142	TIKAR D T	105592
THOMAS S D	74010	THOMPSON K R	6390	THORBEK U	8294	THUNG S B	75218	TIKHE E G	5478
THOMAS S E	15654	THOMPSON K S	62044	THORBEK V	42712	THUNGEN D	66857	TIKHOMIROFF N	29756
THOMAS S F	15654	THOMPSON K T	85338	THORBEK W	4562	THUNHOLM I	76987	TIKHOMIROV B	587
THOMAS S G	15654	THOMPSON K U	37796	THORBEK X	41252	THURESSON P A	35715	TIKHOMIROV B A	89721
THOMAS S H	15654	THOMPSON K V	58464	THORBEK Y	51784	THURLINGS T L M	44026	TIKHOMIROV B M	80992
THOMAS S I	15654	THOMPSON K W	100053	THORBEK Z	81688	THURLOW D L	39949	TIKHOMIROV G N	105853
THOMAS S J	15654	THOMPSON K X	61503	THORBERG G P	79354	THURM R	106238	TIKHOMIROV H	87104
THOMAS S K	15654	THOMPSON K Y	71564	THORBERG W G	85702	THURM U	94578	TIKHOMIROV V G	48755
THOMAS S L	15654	THOMPSON K Z	12839	THORBERN C B	24874	THURMAN D A	19194	TIKHOMIROV V N	36753
THOMAS S M	15654	THOMPSON L A	105468	THORBERN S	61451	THURMAN E B	5366	TIKHOMIROV V P	27785
THOMAS S N	15654	THOMPSON L B	9781	THORBERN A S	2615	THURMAN R L	28550	TIKHOMIROVA A S	89942
THOMAS S O	15654	THOMPSON L C	68586	THORFINN T S	33666	THURMAN S	38861	TIKHONCHUK YU	50399
THOMAS S P	15654	THOMPSON L D	5326	THORFINN T S	33666	THURMAN T	30343	TIKHONIN I YA	72297
THOMAS S Q	15654	THOMPSON L E	64053	THORFINN T S	33666	THURMAN U	51938	TIKHONOV A	102548
THOMAS S R	15654	THOMPSON L F	27449	THORFINN T S	33666	THURMAN V	75791	TIKHONOV A V	71672
THOMAS S S	15654	THOMPSON L G	35838	THORFINN T S	33666	THURMOND C J	91311	TIKHONOV N P	83473
THOMAS S T	15654	THOMPSON L H	25753	THORFINN T S	33666	THURMOND R V	25230	TIKHONOV S A	11300
THOMAS S U	15654	THOMPSON L I	29012	THORFINN T S	33666	THURNHER K D	18260	TIKHONOV V	104765
THOMAS S V	15654	THOMPSON L J	22080	THORFINN T S	33666	THURSTON H D	34945	TIKHONOV V A	76350
THOMAS S W	15654	THOMPSON L K	61266	THORFINN T S	33666	THURSTON J M	53010	TIKHONOV V I	12179
THOMAS S X	15654	THOMPSON L L	62398	THORFINN T S	33666	THURSTON J R	103280	TIKHONOV V N	4476
THOMAS S Y	15654	THOMPSON L M	20180	THORFINN T S	33666	THURSTON L	4242	TIKHONOV YA	51453
THOMAS S Z	15654	THOMPSON L N	42212	THORFINN T S	33666	THURSTON M A	40300	TIKHONOVA N A	37369
THOMAS T A	15654	THOMPSON L O	69374	THORFINN T S	33666	THURZO V	93374	TIKK H	72591
THOMAS T B	15654	THOMPSON L P	2846	THORFINN T S	33666	THWAITES W M	9561	TIKU M L	72984
THOMAS T C	15654	THOMPSON L Q	70154	THORFINN T S	33666	THYGESEN T	23105	TIKUNOV I	35839
THOMAS T D	15654	THOMPSON L R	43035	THORFINN T S	33666	23107	73260	TILAK S T	26973
THOMAS T E	15654	THOMPSON L S	36455	THORFINN T S	33666	THYR B D	105231	TILBURY A L	26974
THOMAS T F	15654	THOMPSON L T	54589	THORFINN T S	33666	THYRI H	70221	TILDEN J W	5555
THOMAS T G	15654	THOMPSON L U	40298	THORFINN T S	33666	83664	101629	TILDI I	19673
THOMAS T H	15654	THOMPSON L V	39755	THORFINN T S	33666	THYSELL J R	10382	TILEMANS E M	77613
THOMAS T I	15654	THOMPSON L W	58044	THORFINN T S	33666	THYSSEN A	36536	TILGNER D J	7570
THOMAS T J	15654	THOMPSON L X	99562	THORFINN T S	33666	THYSSEN A V	17352	34120	96229
THOMAS T K	15654	THOMPSON L Y	13264	THORFINN T S	33666	TI C C	89457	TILGNER J	96231
THOMAS T L	15654	THOMPSON L Z	61900	THORFINN T S	33666	TI S Y	81616	TILING H	20086
THOMAS T M	15654	THOMPSON M A	51995	THORFINN T S	33666	TI Y P	96911	TILING H VON	96039
THOMAS T N	15654	THOMPSON M B	98191	THORFINN T S	33666	TIAGI B	735	TILKIN V E	59832
THOMAS T O	15654	THOMPSON M C	15520	THORFINN T S	33666	TIAGI Y D	18662	TILKOVSKY L	76507
THOMAS T P	15654	THOMPSON M D	15562	THORFINN T S	33666	TIBBALS E C	91609	TILL A R	52458
THOMAS T Q	15654	THOMPSON M E	72348	THORFINN T S	33666	TIBENSKA M	100484	TILL B B	68219
THOMAS T R	15654	THOMPSON M F	13161	THORFINN T S	33666	TIBENSKY V	16465	TILL D H	3932
THOMAS T S	15654	THOMPSON M G	44025	THORFINN T S	33666	TIBERGHEN G	94980	TILL M R	60686
THOMAS T T	15654	THOMPSON M H	23279	THORFINN T S	33666	TIBERIO M	94981	TILL O	58997
THOMAS T U	15654	THOMPSON M I	64524	THORFINN T S	33666	TIBO G	4394	TILL W M	23572
THOMAS T V	15654	THOMPSON M J	8001	THORFINN T S	33666	TIBOLD V	53732	TILLANDER I	105594
THOMAS T W	15654	THOMPSON M K	62671	THORFINN T S	33666	TIBREA S	63233	TILLER K G	11301
THOMAS T X	15654	THOMPSON M L	48912	THORFINN T S	33666	TICAN I	20588	TILLEY J M A	65238
THOMAS T Y	15654	THOMPSON M M	64054	THORFINN T S	33666	TICAN V	3249	TILLEY M	106501
THOMAS T Z	15654	THOMPSON M N	102055	THORFINN T S	33666	TICE B B P	85901	TILLEY M F	64626
THOMAS U A	15654	THOMPSON M O	102298	THORFINN T S	33666	TICER J W	3900	TILLEY S P E	16378
THOMAS U B	15654	THOMPSON M P	51225	THORFINN T S	33666	TICHA M	27358	TILLEY T J	31147
THOMAS U C	15654	THOMPSON M Q	103041	THORFINN T S	33666	TICHENOR D A	2440	TILLINGHURST P A	39306
THOMAS U D	15654	THOMPSON M R	65961	THORFINN T S	33666	TICKNOR R L	2847	TILLMAN A O	21804
THOMAS U E	15654	THOMPSON M S	18318	THORFINN T S	33666	TICKU B L	102559	TILLMANN H	82783
THOMAS U F	15654	THOMPSON M T	109141	THORFINN T S	33666	TIDALA S	108368		51687
THOMAS U G	15654	THOMPSON M U	106157	THORFINN T S	33666				
THOMAS U H	15654	THOMPSON M V	70790	THORFINN T S	33666				
THOMAS U I	15654	THOMPSON M W	43120	THORFINN T S	33666				
THOMAS U J	15654	THOMPSON M X	64374	THORFINN T S	33666				
THOMAS U K	15654	THOMPSON M Y	104556	THORFINN T S	33666				
THOMAS U L	15654	THOMPSON M Z	62567	THORFINN T S	33666				
THOMAS U M	15654	THOMPSON N A	51766	THORFINN T S	33666				
THOMAS U N	15654	THOMSEN A	54552	THORFINN T S	33666				
THOMAS U O	15654	THOMSEN B H	98641	THORFINN T S	33666				
THOMAS U P	15654	THOMSEN B W	42236	THORFINN T S	33666				
THOMAS U Q	15654	THOMSEN E	93903	THORFINN T S	33666				
THOMAS U R	15654	THOMSEN I V	52723	THORFINN T S	33666				
THOMAS U S	15654	THOMSEN J J	22360	THORFINN T S	33666				
THOMAS U T	15654	THOMSEN K S	52056	THORFINN T S	33666				
THOMAS U U	15654	THOMSEN K V	9256	THORFINN T S	33666				
THOMAS U V	15654	THOMSEN M	68297	THORFINN T S	33666				
THOMAS U W	15654	THOMSEN R N	108935	THORFINN T S	33666				
THOMAS U X	15654	THOMSETT L R	11902	THORFINN T S	33666				
THOMAS U Y	15654	THOMSON A D	50490	THORFINN T S	33666				
THOMAS U Z	15654	THOMSON A M	76349	THORFINN T S	33666				
THOMAS V A	15654	THOMSON A P	94025	THORFINN T S	33666				
THOMAS V B	15654	THOMSON B	82522	THORFINN T S	33666				
THOMAS V C	15654	THOMSON D F A	4393	THORFINN T S	33666				
THOMAS V D	15654	THOMSON G		THORFINN T S	33666				
THOMAS V E	15654	THOMSON G A		THORFINN T S	33666				
THOMAS V F	15654	THOMSON G G		THORFINN T S	33666				

[illegible]



ITEM	ITEM	ITEM	ITEM	ITEM							
TOMPA K --CONT	50922	TORIYAMA K	79169	TOTOCHAYA M M	101601	TRABERT K	5953	TREBST A	1322	ITEM	
TOMPKIN J R	50977	TORIZUKA T	33880	TOTORCEA I	24215	TRABITZSCH H	65914	TREBST A	28228	100209	100710
84513	54736	TORJE A	8493	TOTSUKA K	62740		75634	TREBST H			59763
TOMPKIN R B	81870	TORJE D	59135	TOTSUKA T	10095	TRABUCCHI B	89118	TREBUCHET G			59900
TOMPKINS D R	89725	TORLESSE A D	53503	TOTTENHAM C E	73607	TRABUE I M	55091	TREBUKHA K			79736
	100489	TORLEY D	24661	TOTTENHAM H	2964	TRACEY L T	31527	TREE E F			10981
TOMPKINS L J	85414	TORMES F E	10556	TOTTH J	51803	TRACEY M V	34906	TREECE R E	23263		63971
TOMPKINS W A	4606			TOTTH MRS J	45856		59041	TREFFLOV A A			92079
	76353	TORMIN O	107947	TOTZEK E	67592	TRACI C	2783	TREGUBOFF G			98644
TOMPSETT A A	49133	TORNE E VON	5636	TOUBOL V	26137	TRACUZZI M L	7267	TREGUBENKO M YA			78827
TOMS A M	83374			TOUCAS L J M	103360		55670	TREGUBOV N			106240
TOMS W J	69495	TORNGREN T S	14998	TOUCEDO G A	31696	TRACY M	109210	TREGUBOV N N			97011
TOMS Z	66265	TOROK B	82386	TOUCHBERRY R W	53359	TRACY P H	15763	TREGUBOV P S			30028
TOMSHAW G	71414	TOROK G	36677	TOUCHBURN S P	31870	TRACZYK H	8760	TREICHY K			80713
TOMSON R S	1903	TOROK J	41375	TOUCHBURN S P	93162	TRADATI F	13306	TREGUBOVA A S			90829
TOMULET I	18823	TOROK L	91420	TOUL V	1398		32240	TREGULOV YU YU			91268
TONAMI H	34591	TOROKHTUN I M	2875	TOULOUSE J P	82700	TRAERER F W	16757	TREHAN K N			73287
TONAPI G T	42896	TOROSYAN S	93689	TOULSON G A	79208	TRAETS J	68355	TREHANE N R			56330
TONCEA I	93377	TORP A	64627	TOULSON L	2815	TRAGER W	4745	TREHANE W R			65027
TONCHEV G	59389	TORPET V	64838	TOUMANOFF C	27574	TRAIL J C M	13436	TREHARNE R W			38452
TOND F	9283	TORRADO J J	10269		94579		22503				68853
TONDUT J	66763	TORRANCE L T	48799	TOURCHOT R	11213	TRAINOR D C	109042	TREHERNE J E			43314
TONER P G	42059		59299	TOURE S M	94238	TRAINOR F R	17866	TREIBER E	15876		21602
TONEVA V	31695	TORRE A R	8757	TOURNAY R	26795		18665	TREI J			82789
32002	104453	TORRE A R DA	8758	TOURNEFORT J P DE	27448		68588	TREIBER E	25264		54904
TONGE H	54903	TORRE G	102241	TOURNUT J	62921	TRAKHANOV D F	92128	TREIBER I			90894
TONGE R J	100145	TORRE G DE LA	4870	TOURTE R	75367	TRALAU H	8627	TREIMER W H			45528
TONGIORGI P	14470	TORRE L	52966	TOURTE Y	18664	TRAMEL J L	79144	TREIN E			93839
TONGSON M S	72298	TORRE L DE LA	82525	TOURTELOTTE M E	52292		79241	TRELA S	38863		71675
	75657	TORRECABRERA J	62046	TOURY	96058	TRAMEL T E	20685	TRELAWNY J G S			1238
TONGUE W W	7186	TORRES R C	88663	TOURY J	8351	TRAMER J	65130	TRELEAVE F J			40302
TONGUR V S	58060	TORRES A M	87715	TOUSE R D	102399	TRAMIER R	57846	TRELEAVE D H			25755
TONTLO L	1995	TORRES A M	8759	TOUSSAINT W D	7914	TRAMINI S	101473	TRELOGAN H C			26438
TONKENS E	45754	TORRES A P	13790	TOUSSAINT W D	72034	TRAN VAN DU	92757				106637
TONKONZHENKO E V	39756	TORRES B A	43176	TOUSSAINT W D	86906	TRAN-BINH-CU	35912				108762
TONKS H M	4519	TORRES C B	40089	TOUSSAINT W D	58655	TRANCHANT B	97437	TREMAINE J H			37482
TONN E T	12364	TORRES J P	19574	TOUW A	46919	TRANDAFIRESCU T	101869				50164
TONN H	66249	TORRES L	26387	TOUW A	67909	TRANKLE R J	18666	TREMBLAY Z F	32642		43179
TONN R J	4772	TORRES R D	96194	TOUZE A	47405	TRANKOVSKII D A	57281				52753
TONNENSEN A	24170	TORRES-ANJEL M J	22268	TOUZE-BOULET J M	38595	TRANT G I	68424	TREMBLAY F T			50165
TONOLO A	68111	TORRES-BARRETO A	41849	TOUZEAU J	52967	TRAPEZNIKOV F F	11304	TREMBLAY P			34372
TONOUCI M	82566	TORRES-FLORES C A	70791		94413	TRAPEZNIKOV S P	87295	TREMBLAY R H			73580
TONSE H	62446	TORRES-SEPULVEDA A	39624	TOVAR-RODRIGUEZ J	105318	TRAPIDO H	4775	TREMEAU O			43909
TONSEFLODT W R	2617	TORRES-TORRES J A	46421	TOVEY R	10096		5085	TREMEAN W G			5556
TONTCHEV T A	106777	TORREY J G	48343	TOWE A L	91397		5112				23908
TONTSCHEFF G	10457	TORREY J P	100325	TOWE A M	9622	TRAPP A L	33071				53505
TONTZ R L	8295	TORRIE J H	58421	TOWER B A	4243		63897	TREML A G	53053		84184
36287	46420	TORRSELL H	107058	TOWER F J	97574	TRAPP H	3572	TREMLETT J G			64055
87558	108892	TORRSEL K	10270	TOWER H L	91397	TRAPPE J M	41851	TREMOLA E			23344
TOO K	41854	TORRSELL R	2443	TOWERS G H N	48516	TRAPY F	51943	TREMOLIERES J			8364
TOOBY G E	64487	TORTEL T	32857	TOWN P A	89782	TRASHLIEV KH	101880	TRENCH I H	42060		62922
TOOGOD J A	30035	TORTEN J	55454	TOWNE E E	90572		101880	TRENDELBURG R			34223
TOOGOOD J A	27611	TORTEN M	62635	TOWNEND P P	15817	TRASK B A	102284				85885
TOOHEY C L	38919	TORTORELLI L	55423	TOWNE P P	15817	TRASKELIN E	65267	TRENDOTA M			106946
TOOKA T	6655	TORTORELLI N	93715	TOWNE P P	15817	TRASS H	17918	TRENDTEL	76889		96447
TOOKE H L	6928	TORTORELLI N	93715	TOWNE P P	15817	TRASS KH KH	18475	TRENHOLME M			57126
TOOLE E R	9150	TORTUERO COSIALS F	62772	TOWNLEY M	3704		46630	TRENK F B			61176
TOOLE J F	83161	TORUNSKI J	50644	TOWNLEY M B	73443	TRATTEL G	66948	TRENKLE A			12861
TOOLSIDASS G	44520	TORYU Y	51805	TOWNROW J A	8626	TRATTEL G C	66947	TRENKNER J			67562
TOOM M	24838	TOSCANO G P	71995		98792	TRATTNER E	96233	TRENT B			13357
TOOM V	88401	TOSCANO T	108339	TOWNSEND C B	49209	TRAUB E	21531	TRENT C	67202		98102
TOOMRE R	99801	TOSCHI C A	73906	TOWNSEND C C	77287		31739	TRENTIN A	7431		28553
TOORN J VAN DER	70076	TOSCO U	37610	TOWNSEND C E	88402	TRAUB H P	8730		38781		59390
TOOSEY R D	69094	TOSELLO R N	11787	TOWNSEND D	20935		8762	TREPACHEV E P			90074
TOOTELL J	90467	TOSHEVA M N	100499	TOWNSEND D C	77287	TRAUB R	10874	TREPENKOV I I			74171
TOOTELL R B	45507	TOSHITAMI O	15336	TOWNSEND E	77287		10874	TRESHCONTHICK D			9151
	45509	TOSHKOV A	83604	TOWNSEND F	77287	TRAUBEL I	5633	TRESHCHILIN P F			33510
TOOTLE M L	82496	TOSHI J A	58191		32966	TRAUBEL I	55455	TRESORUKOVA Z			84901
TOP W	92501	TOSKIC V	87332	TOWNSEND J	9723	TRAUER W E	4325	TRESSLER D K			74522
TOPACIO T M	71823	TOSKOV N	39811	TOWNSEND L R	31463	TRAUM J	72710	TRESSLES F			94983
TOPALOV I	24275	TOSKOVIC S	54189	TOWNSEND M J	21527	TRAUT H	84004	TRESSLER D K			74522
TOPALOV V	39571	TOSRTOSESE E	14409	TOWNSEND M N	11279	TRAUTMAN J	92253	TRETJAKOVAS N			7908
TOPALOVIC G	58019	TOSSELL W E	16856		29511	TRAUTMAN R J	61703	TRETSVEN W I			26391
TOPCHIEV E A	50345			TOWNSHEND F	74453	TRAUTMAN R	13292	TRETTENERO V			85666
TOPCHITSKI S	89314	TOSTANOVSKAYA A A	96176		96179	TRAUTMANN H	32345	TRETYAKOV N N			19199
TOPCIU V	63261	TOSTE J L M	103890	TOWNSHEND J L	57887		32345				48758
TOPEL G	53502	TOSUNYAN N G	12744	TOWNSHEND J L	57887	TRAUTNER T A	92375	TRETYAKOV V			32263
TOPELBERG S	52795	TOFEV T	102095	TOWNSHEND J L	57887	TRAUTWEIN G	31017				97108
TOPFER K V	36142	TOTH A	80466	TOWNSHEND J L	57887		92836	TRETZEL E			5113
TOPOLESKI L D	37859	TOTH B	15772	TOWNSHEND J L	57887	TRAUTWEIN M W	67148	TREU P			41723
	39414	TOTH F	104555	TOWNSHEND J L	57887	TRAUTWEIN M W	67148	TREUBIG R J			105379
TOPOLSKI J	109209	TOTH GY	52934	TOWNSHEND J L	57887	TRAVAGLINI G	63241	TREVETT M F			29362
TOPONARY F	13883	TOTH I A	86117	TOWNSHEND J L	57887		63242	TREVINO H A	59995		69805
TOPONI M	19197	TOTH J	65231	TOWNSHEND J L	57887	TRAVER J	42952	TREVISO G			105095
TOPP E	67415	TOTH K	71674	TOWNSHEND J L	57887	TRAVERS W W G	91642	TREVISAN G			31464
TOPP F	29962	TOTH L	12568	TOWNSHEND J L	57887	TRAVERSA G	70643	TREVITHICK J R			100711
TOPPICH E	71754	TOTH M	29963	TOWNSHEND J L	57887	TRAVINA O K	70792	TREWHILLA W N			60687
TOPPS J H	22780	TOTH N	65232	TOWNSHEND J L	57887	TRAVIS C VAN	66896	TREXLER P C			92972
	91833	TOTH R	107218	TOWNSHEND J L	57887	TRAVIS H F	22378				104195
TOPURIDZE K	39792	TOTH S	5752	TOWNSHEND J L	57887		92804	TREYER			101839
TORBEV Z A	74064	TOTH S	4108	TOWNSHEND J L	57887	TRAUTNER T A	92375	TREZZI F			48237
TORCHIO P F	23811	TOTH S	14999	TOWNSHEND J L	57887	TRAUTWEIN G	31017	TRIANA-URIBE R			24726
TORCOL J	85879	TOTH S	80955	TOWNSHEND J L	57887		103628	TRIANAPHYLLOU A			524
TORDA M	41697	TOTH S	50163	TOWNSHEND J L	57887	TRAUTWEIN M W	67148				4467
TORDOIR W E M	104553	TOTH S	90844	TOWNSHEND J L	57887	TRAUTWEIN M W	67148	TRIBLE M	36305		13763
TORELL D T	31022	TOTH S	74500	TOWNSHEND J L	57887	TRAUTWEIN M W	67148	TRIBLE D E	13638		13741
TOREN J	37798	TOTH S	13580	TOWNSHEND J L	57887	TRAUTWEIN M W	67148	TRIBLE H T	2242		2243
TOREV A	38448	TOTH S	84003	TOWNSHEND J L	57887	TRAUTWEIN M W	67148	TRIBLE A V			49261
TORFS P	38449	TOTH S	16467	TOWNSHEND J L	57887	TRAUTWEIN M W	67148	TRIBLER E			67635
	39307	TOTH S	89050	TOWNSHEND J L	57887	TRAUTWEIN M W	67148	TRIBUNSKAYA A YA			40675
	55122	TOTH S	89051	TOWNSHEND J L	57887	TRAUTWEIN M W	67148				98414
	64660	TOTH S	89051	TOWNSHEND J L	57887	TRAUTWEIN M W	67148	TRICARICO N			86269
	69095	TOTH S	89051	TOWNSHEND J L	57887	TRAUTWEIN M W	67148	TRICIUC V			23338
TORGES H G	52495	TOTH S	89051	TOWNSHEND J L	57887	TRAUTWEIN M W	67148	TRIEB S E			84902
TORIDZUKA T	56519	TOTH S	89051	TOWNSHEND J L	57887	TRAUTWEIN M W	67148	TRIEBNIGG E			46221
	100775	TOTH S	89051	TOWNSHEND J L	57887	TRAUTWEIN M W	67148	TRIEBOLD H O			34020
TORIGINO S B DE	85141	TOTH S	89051	TOWNSHEND J L	57887	TRAUTWEIN M W	67148				
TORII H	39673	TOTH S	89051	TOWNSHEND J L	57887	TRAUTWEIN M W	67148				
TORIKATA H	1237	TOTH S	89051	TOWNSHEND J L	57887	TRAUTWEIN M W	67148				
TORIN V S	80434	TOTH S	89051	TOWNSHEND J L	57887	TRAUTWEIN M W	67148				
TORITSUKA T	61937	TOTH S	89051	TOWNSHEND J L	57887	TRAUTWEIN M W	67148				
	66858	TOTH S	89051	TOWNSHEND J L	57887	TRAUTWEIN M W	67148				

TRIERWEILER J F	2444 28706	ITEM	TROLLER J A--CONT	6136	ITEM	TRUSZCZYNSKI M	73010	ITEM	TSENG C C	59265	65603	TSUKANOV YU	95835
			TROMBA F G	4607	52650	TRUSZKOWSKA R	80208		77415	101956		TSUKANOVA A I	60568
TRIF A	20771				104902		80209		17867	100495		TSUKIKAWA Y	87111
TRIFAN R	32190		TROMMER H		21502	TRUSZKOWSKA W	36981			100587			87112
TRIFAN-PETRESCU R	22765		TROMP H	21102	21503	37027	37375			105237		TSUKUNAGA S	62717
TRIFIRO E	96913				30233	99514	99515			102242			72669
TRIFONE R	8494		TROMP L A		75867	TRUSZKOWSKI T	57334			19201		TSUNEKANE T	104548
TRIFONOV D	37372		TROMP P H M		2809		81562		25524	55949		TSUNEMATSU H	64417
TRIFONOV T	32728		50818	60959	71060	TRUSZYNSKI A	30765		55950	107948		TSUNEMATSU S	39674
105138	105139		71209	71210	71211	TRUTER B J	85167			74424		39675	39676
					80956	TRUTER E V	19390		38454	57849			43554
TRIFUNOVIC M	29640				48455	TRUYGLS M	55180			79147		TSUNEWAKI K	656
TRIGGIANI V	46222		TRONCHET A		48636	49263				56224		819	867
TRILLMICH H D	91049		TRONCHUK I S		31225	TRY R A R	53452			101771		27638	867
TRIMA N K	80491		TRONCON G	30306	40911	TRYAPITSYN V A	64169			89526		58466	100083
TRIMARCHI G	32542		50923	91530	97781		58192			15102		65763	86594
			104796		31627	TRYASUCHKINA A O	15397			58193			64813
TRIMARKE C R	91397		TRONCONE A		62630	TRYGGVE B	67636			4525		TSUNG-LIN	52293
TRIMBERGER G W	15613		TRONICKE R		20193	TRYGGVESON F	44971			15000		TSUNODA K	1010
22117	22124		TRONICKOVA E		78326	TRYON E H	102520			97575		TSUNODA S	54087
85391					81689	TRYON R	17622			34283		TSUNTS Z I	69492
TRIMBLE G R	2304		TRONSTAD P		64681	TRYON R E	61024			32003		TSURUMI F	32569
29658	30127		TROON J		62923	TRYON E H	2245			7807		31509	43522
	61047		TROPILO J	61903	73327	TRYTTEN J M	3412			60519			58755
TRIMBLE J	54622		TROPIN I W		45733	TRZASKOWSKI J	98979			109100		TSURUMI Y	29015
TRIMBO H B	107486		TROSCHER T	15799	108651	TRZCINSKA-TACIK H	28238			71825		TSURUSHIMA K	28880
TRINCHENKO I	15146				53360	TRZCINSKI T	100494			77590		TSUSHIMA T	14338
	95840		TROSKO J E		23966	TRZCINSKI W	28763			83201		TSUSUE M	60688
TRINCZEK B	54235		TROST L M W		65948		46631			94096		TSUTSUI H	1118
TRINDER N	31224		TROTHA VON		58958	TRZCSINSKI P	97529			94239		TSUTSUI M	2720
TRINICK J M	15564		TROTHMAN M A		10304	TRZEBINSKI J	37376			108340		TSUTSUKI T	36047
	34280		TROTT H		55948		47406			98537		TSUTSUMI C	106582
			TROTT R R		66304	TRZEBINSKI N V	47406			10274		TSUTSUMI J	41181
TRINIDAD P	34712		TROTTER C E		66304	TSO T C	10274			69100		TSUTSUMI M	50022
TRINKLER YU G	28229		TROTTER C L		103361	TSOI G	95100			16564		TSUTSUMI Y	81263
TRIOLA P DE LA	29520		TROTTER D M		39308	TSOI K M	25169			107206		4305	42330
91213	101892		TROTTER R D		108075	TSOI R H				107206			52160
TRIONE E J	68221		TROTTER R R		75477	TSOI S	108479			62947		TSUYAMA T	99999
TRIPATHI B B	20303		TROTTER W K		60055	TSAGLIS A	72645			62947		100497	100497
TRIPATHI B K	27981		ROUARD ROLLE Y		1239	TSAGLIS A	105025			62947			101353
TRIPATHI R K	79253		TROUGHTON A		48456	TSAI C P	64380			62947		TSUYUZAKI K	60777
TRIPATHI R L	14152			2244	105319	TSAI C Y	5329			62947		TSUZUKI K	51205
23264	32801		TROUILLON L L		2849	TSAI I S	90222			62947		TSUZUKI T	59136
42640	73116		TROUSDELL K B		47956	TSAI M H	105404			102243		TSUZUKU S	96701
TRIPATHI S D	59261		TROUSE A C		25026	TSAI P H	94984			103195		TSUZUU S	90202
TRIPATHY G N	34282		TROUT G M	6372	85247	105686	105862			104877		TSVELEV N	57528
TRIPATHY R C	31383			34393	106722	TSAI S M	106158			80658		TSVELEV N N	57492
TRIPLEHORN C A	23033		TROUT S A	6225	84006	TSAI S Y	105978			82535		57660	67879
TRIPLETT G B	90734		TROUT W E		41726	TSAI T Y	90075			42713		TSVETAEEV G F	23859
TRIPOLI I DA	58020		TROUTMAN E C		85248	TSAI T Y	76380			181338		TSVETAEEV I A	14153
	59601				85248	TSAI W C	106056			45344		TSVETAEEV I P	21702
TRIPP E	84696		TROUTMAN J L		37373	TSAI Y F	101163			102394		TSVETAEEV N P	72987
TRIPP V	19200				37374	TSAI Y P	57848			87109			72987
TRIPP V W	75116		TROUVELOT A		58021	TSAKADZE T A	68222			86940		TSVETKOV D	42742
TRIPPEL V V	2006		TROW-SMITH R		41727	TSAKALOF P	51609		66714	32004		TSVILING A YA	68299
TRIPPENBACH W	104296		TROWBRIDGE D G		103304	TSAKALOFF P	32200			3195		TSVARENTSEVA M V	38455
TRIPPI V S	28230		TROWER S		51096	TSALOV Y	79379			93266			38456
28232	28233		TROXELL H E		71594	TSAMUTALI A S	7645			8879		TSYGANENKO O YU	11263
28235	29364		TROY V S	64839	85742	80435	87108			42322		TSYGANKOV A A	72874
48453	48454		TROYER C		59863	TSANG S T L	22577			51454		TSYGANOV V A	36628
TRIST P J O	49904		TROYER D R		66713	TSANKOV B	38453			18032		TSYMBAL L V	54887
	88405		TROYER J R		89946	TSAO C	105344			18034		TSYMBAL M M	27242
TRISTRAM G R	1434		TRPISOVSKY J		53662	TSAO C K	102814			36563		TSYPLENKOV E P	42443
45011	54117		TRUBACHEV I N		78962	TSAO G R N	1436			835		TSYPLENKOV V P	11305
TRISTRAM U B	76208		TRUBNIKOV M M		40526	TSAO G T N	1435			72625		20467	101772
TRISVYATSKII L A	55320				102466	TSAO H L	105236			72708		75963	76209
TRITSCHLER L G	104140		TRUBNIKOV V F		86521	TSAO J C Y	26320			87110			66573
TRITT H G	40779		TRUBSBACH H		93812	TSAO M	100185			29366		TSYRLIN L M	80080
TRITTO R	84746		TRUC R		2975	TSAO M H	106055			33623		TSYRUPA I G	98557
TRIULZI G A	65167		TRUCKENBRODT A		84900	TSAO P H	47597			31327		TU A T	47551
TRIVEDI B	89802		TRUCKENBRODT G		51146		77826			171		TU C	95563
TRIVEDI D M	44521		TRUDELL H W		98650	TSAD T H	100318			83695		TU C C	7490
TRIVELLONI J C	64265		TRUE H H		23020	TSAD T P	94071			83697		7512	55951
TRIVULZIO G	87596		TROEL P		101238	TSAD Y H	40172			52214		58023	63595
TRJAPITZIN V A	84104		TRUEMAN H L		108936	TSARAPKIN L S	69097			51804		TU C W	106056
TROBISCH K H	89726		TROUX P E		49262	TSAREGRADSKAYA N	13885			100609		TU H	66319
TROBISCH S	60179		TRUFANOV V V		15119	A				64573		TU K S	28239
TROCK W	63355		TRUHAUT R	6050	18522	TSAREV S G	21929			43553		TU T H	100903
TROCK W L	7111		24393	58233	74454	TSAREVA L A	10045			85783		TUAILLON P	91972
TROCKME S	60567		78219	78220	99862	58764	69098			90201		TUAN H N	100903
TROEDSSON T	102749		TRUITT P T		102347	TSAREVA R I	48457			55658		TUANMU H	98867
TROEGER R	61066		TRUJILLO E E		18228	TSCHAEPEK M	20772			75703		TUBBERGH B VAN	22773
TROEH F R	29641				58022	TSCHEREPANOV A E	53291			27773		TUBBS C H	81178
TROELSEN J E	31018		TRUJILLO J M		3651	TSCHERMAK-SEYSEN	27476			70843		TUBBS C R	81031
32403	48863		TRUJILLO-MORA F		107770	EGG E VON	78282			92080		TUBBS P A	56110
			TRULL O A		71061	TSCHERMAK-WOESS E	27636			33783		TUBELLEJA M J	98408
TROENG O	82701		TRULSSON G	7960	23013		58353			32858		TUCHIDE Y	193469
TROESCH H	55204		63182	63360	63361	TSCHESCHE R	10271			32859		TUCHOLKA Z	12400
TROFIMOV G K	42554		93922	98004	98004	38643	69313			18366		TUCHOLSKA H	69375
TROFIMOV T T	28236		TRUM B F		104219	89948	100712			44329		TUCHSCHEERER T	54236
TROFIMOVSKAYA A	38675		TRUMAN R	68834	91555	TSCHIERPE H J	58865			74816		TUCKA M	10680
YA	48756		TRUMP F		56919		60825			100147		TUCKER B	2405
TROFTEN J	71547		TRUNEV A G		20194	TSCHIERSCH B	10100			100496		60520	20633
TROGDON W O	2305		TRUNK G		57847	10272	10273			76064			90129
	29828		TRUNKENBOLTZ M		29365	TSCHIERSCHKE M	5721			46338		TUCKER B M	101773
TROGER C P	51926		TRUNOVA T I		28237		5830			76278		TUCKER C E	44674
TROGER J	34990				60906		4461			97782		TUCKER C L	1996
TROIL B L VON	94487		TRUNQUIST O C		90251	TSCHINKEL I	93724			81177		TUCKER D H	75149
TROISE C	22330		TRUNZ H		23472	TSCHIRCH M	9044			40783		TUCKER D P H	20773
			TRUONG N		66859	TSCHIRLEY F H	2052			96757		TUCKER E M	13862
TROJAN P	64056		TRUPIN J S		89947		10101			1223		TUCKER G	107633
TROJANOWSKA K	34885		TRUSCOTT J B		7909	TSCHIRSCHKY-UND--	35576			78895		TUCKER G C	65113
TROJANOWSKI G	105234		TRUSCOTT J H L		54980	BOGENDORF				30268		32404	69374
TROJANOWSKI H	42641		TRUSCOTT R B		62924	TSCHISCHOW N	18884			39812		72920	93806
	105235		TRUSEVICH G V		59602	TSCHUMI J	27575			24727			101507
TROJNA M	89844		TRUSHIN I N		24261	TSECOURAS A	105721			14342		TUCKER H A	4013
TROLL C	588				71824	TSEIKO A I	57799			53121		TUCKER J A	51890
TROLL H J	1531		TRUSHIN V F		26298	TSEKHANOVSKII A I	50737			37800		TUCKER J B L	40883
TROLL J	50173		TRUSHKOVSKII A A		11397	TSELISHCHEVA G N	49763			101886		TUCKER J F	22679
TROLL W	47823				49860		60180			44722		TUCKER J M	21630
TROLLDENIER G	39814		TRUSINSZKY M		11788	TSELNIKER YU L	7						



TUCKER S		ITEM		ITEM		ITEM		ITEM		ITEM	
TUCKER S C	595	47707	TUPENEVICH S M	77827	TURNER H	56225	TVETE D	34767	TYZNIK W J	--CONT	ITEM
TUCKER V C	15655	74841	--CONT	88831	TURNER H D	91892	TWAMLEY B E	28708	TZANAKAKIS M E		82823
TUCKER W G		10275	TUPPER C	38810	TURNER H N	4326		89315			43035
TUCKER W L		22027	TUPPER G	39522							94026
TUCKEY S L	25043	44373	TUPPY H	3990	TURNER I	34720	TWARDOCK A R	41377	TZE C S		100165
65180	65184	85339	TUPY J	1024	TURNER I M	17226	TWARDOWSKI Z	80130	TZUR Y		90865
		96652				36345	TWASAKI H	32555			
TUCKFIELD C		70838	TURALA K	47824	TURNER J	60521	TWEED J C	63560			
TUCKLICKAS V		33444	TURBAK A J	92785	TURNER J A		TWEED J R	92082		U	
TUCRA I	10423	101038	TURBERT H B	53523	TURNER J C		TWEEDIE A D	60235			
TUDISCO R		26138	TURBIN L M	31020	TURNER J F		TWEEDIE J M	10511			
TUDOR A		1092	TURBIN N V	59087	TURNER J H		TWEEDY B G	233	UALIMOM M L		61311
TUDOR D C		4244	TURBIN V N		TURNER J L		TWEEDY I J	77618	UBAEV KH		10277
TUDOR G		93895	TURBOK J L	103891	TURNER J R G		TWEET A J	69316	UBALDI L		26713
TUDOR S	20936	20997	TURC L	60101			TWEETEN L	45670	UBBELS P		93525
		29964	TURCA I	36762	TURNER J S		TWEETEN L G	26676	UBEDA-MOLINA J		80858
TUDOR T		10648	TURCEK F J	63724	TURNER L W			34949	UBELS E	58024	68226
TUDORASCU R		22001	TURCHANINOV N S	109132	TURNER M L			45734			68227
		32266	TURCK G	91315	TURNER N	4922		66342	66716	66372	68227
TUDORIU C D		63035	TURCOTTE E L	18774			TWETON J	87067	UBER H		21209
		103307	TURCU G L	37611	TURNER N J		TWIEHAUS M J	17198	UBERREITER O		46555
TUDOSE M		11442	TURKEEV A	64375	TURNER N V			92743	UBERTALLE A		109192
TUDOSESCU O		19845	TUREK F	41404	TURNER O D			103892	UBERTALLE A	32293	32292
	28787	40090	63228	93807	TURNER P D		TWIGG B A	55014	61938	45005	54488
TUDOSIE A D		28920	TUREK H	36777	TURNER R B	15656		96863			72877
TUELLER P T		9330	TURELLE J W	16997	TURNER R C		TWINING C R	6786	UBERTINI B	13886	52651
TUER R C S		92806	TURESSON B	736	TURNER R D		TWINN D C	42897			81872
TUETING R		45529	TURESSON G	148	TURNER R M		TWISS P T G	70029	UBING W S		40303
TUFFERY A A		72539	TURESSON L O	88076	TURNER S T	67880	TWISS R H	12196	UBISCH J VON		50638
TUFFERY L		93909	TURETSKAIA R KH	69102	TURNER S W	47178			UBOLDI J A		11919
TUFTS S	93554	104133	TURETSKAYA P KH	19202	TURNER T	13257	TWISSELMANN E C	17623	UBRIZSY G	8970	8971
TUFTY B		38457	TURETSKAYA R KH	19203				17699	12299	49505	59996
TUFVESSON G		3985		68854	TURNILL L		TWOMEY T P J	6519	59997	68084	88665
		52052	TURI I	38952	TURNIPSEED G F		TYAGI I D	58808			90737
TUGAI V		35307	TURI J	72113			TYAMIN V V	69043	UCCIANI E	25063	35209
TUGGLE J D		35308	TURI R M	32292	TURNIPSSD S B		TYANKOVA L	48331	UCHIDA G		44675
TUGWELL N P		59300	35185	70744	TURNNOCK W J		TYAZHELOVA G F	26270	UCHIDA J		36290
TUGWELL P		23573	71642	72611	TURNQUIST O C		TYDEMAN H M	78830	UCHIDA K		3237
TUILLIO V		77617	72875	93415	59901	68041	TYIHAK E	44239	UCHIDA M		44740
TUIN T G		26809	TURIAN G	9425			TYLECEK J	13874	UCHIDA S	25104	30824
TUINMAN A S		26711		89729	100498		TYLEE J	82790	UCHIDA T	32643	79473
TUITE J	25756	47407	TURIJEN W T	13884	TURON L		TYLER A	100337	UCHIDA Y	42846	105493
TUJII R		48458	TURIN A V	71296	TURONEK J		TYLER B F	89403	UCHIJIMA T		58648
TUKEY H B	1241	10103	TURK E	104961	TURKOWSKI W		TYLER C	97386	UCHIJIMA Z		11789
	48459	49051	TURK F A	46632	TURP A			97388	UCHIKAWA I	868	18775
	59508	69101	TURK J L	93163	TURPE A M		TYLER D E	3706	UCHIKO C		44900
TUKEY L D	28240	38458	TURK K L	15613	TURPIN				UCHINO K		38647
43611	44607	58902	24788	26712	22117		TYLER E D		UCHITOMI H		98005
	58903	59603			62017		TYLER G J	7731	UCHIUMA S		88666
TUKISIMA Y		10107	TURK R D	13213	88064		TYLER G M		UCHIUME S		33915
TULAIKOV N M		69595	TURKEL L G	74097	TURQUAND E D		TYLER J E		UCHIUMI S		38461
TULAIKOVA K P		48460	TURKEVICH I V	91597	TURRELL F M		TYLER K B	38000	UCHIYAMA H	31320	75285
TULBAEV P	104722	104723	TURKEWITZ G	41799	314	77572	TYLER L J	69402	UCHIYAMA K		18059
TULBAEV P T		71680	TURKIEWICZ S	54685	TURRELL W B		TYLER P S	105067	UCHIYAN R		49905
TULECKE W	9525	89230	TURKIN A S	102558	36929	36930	TYLER R	3991	UDACHIN R A		48691
	89728	100000	TURKMENOGLU H	9153	36932	36933	TYLER V E	48637		88407	100499
TULEEN N A		47899		77828				69173	UDAGAWA S		8880
TULEFF S		42555	TURKMENOGLU Z	77828	TURSCH B		TYLER W J	3379	UDAGAWA S I		234
TULESCHKOV K		105066	TURKOVA N S	19204	TURSCH E				UDAKAWA T		80845
TULESHKOV K		64292	TURKOVIC Z	78829	TURSKA R		TYLER W S	3164	UDALL M K		2576
TULEY P		52968	TURKOWSKI T	76827	TURSKI R		13040	13369	UDALL S L	24727	35998
TULI V		58931		98324	TURSUNKHODZHAEV Z			103784	40456	56520	76356
TULL J		27458	TURLEY D L	33089	S		TYMCHENKO L F	68083			87113
TULLENERS I		77670	TURLEY R H	2446	2575		TYMIENIECKA W	50166	UDALOVA M		43834
TULLOCH A P		59004		28707	TURSUNOVA R N			58904	UDAR R		68589
	66052	79065	TURLIUC D	72021	TURTLE E E	100714	TYMINSKI J	54047	UDELNOVA T M		1299
TULLOCH N M		92581	TURLIUC V	72021	TURTON J D		TYMKO M M		UDEN N VAN	37612	71827
TULLOH N M	22850	51688	TURLYGINA E S	68333	TURUTIN YU P		TYMNIAK M		UDEINTZEVA E V		79550
71972	71973	72794	TURMANN L	25107	TURVEY J R		TYNER F H		UDINE E J	57750	63725
		82294	TURMEL J M	88664	TURYAN D		TYNER L E	37377	UDOS S		18561
FULLY H G		3903	TURMEL R	34998	TURYANSKII G F		TYNES J S	105904	UDOMSAKDI S		4693
FULLY J		98193		62166	TYRYNA Z		TYNIECKI W	77051	UDOVENKO G V		10108
FULPAN I		45865	TURNAS' P A	82151	TUSA C		TYNYBEKOV I	22819	UDOVENKA G V		58905
FULSYAN G P		14773	TURNAL L	2306	TUSA G	24961	TYPIAK P	67099	UDOVENKO G V		78831
FULUPNIKOV A		71850	TURNBDW G D	82131	TUSAC R		TYRELL J J	81476	UDRIS G		31466
FULYSKOVA Z		48757	TURNBULL D	8426	TUSEY R		TYRELL R	2867	UDVARDY J	19206	38462
TUMA E H	16968	56662	TURNBULL D M	45256	TUSKADMA		TYRRELL H F	22099			69317
TUMA H J		13162	TURNBULL H G	75793	TUSKO L				UDVARI L		80436
TUMADZHANOV I I		77288	TURNBULL K J	74704	TUTAYUK V KH				UDVAROS K		38782
TUMANOV I I		10104	TURNBULL R F	30269					UDY D C	96448	106925
	38459	40676		40794	TUTEL B	27639		92675	UEBERSCHAR S		3707
TUMANOVSKII R		102395	TURNER A	74666	TUTHILL D F	68224	TYRRELL-GLYNN W		UECKER W		26291
TUMANOVSKII R F		27576	TURNER A D	59659			TYRSDAL H M		UEDA A		104466
TUMER H V	55685	97264	TURNER A K	80659	TUTHILL L D		TYSHCHENKO H M		UEDA G		94620
TUMIBAY D O		71974	TURNER A W	55953	TUTHILL W C		TYSHCHENKO V P		UEDA K	33825	79068
TUMIDALSKA I		78828		72208	TUTIN T G		TYSON D				82958
TUMKA A F		109156	TURNER B L	10154	TUTT C W		TYSON H N	102245	UEDA M		43496
TUNBLAD B	17293	23413		69315	TUTTLE D M	23194	TYSON I H	365	UEDA R		6272
	37151	68082	TURNER C	35841	TUTTLE J W		TYSON J L	46499	UEDA S	33826	62401
TUNDISI A	3705	41502	TURNER C N	84733	TUTTON E A		TYSON J W	109248			83718
TUNDISI A G A		41471	TURNER C W	4014	TUTUNARU V	10106	TYSSER H F		UEDA T	7264	7334
	41472	41483	15103	31917	37678		TYSSER C		UEDA Y		92362
TUNG C F		105862	72241	72726	TUTUNEA C		TYSZKIEWICZ J	46422	UEHARA G		78832
TUNG D K		5109		92973	TUTUSHIN M I		TYSZKIEWICZ S	25987	UEHARA G		79922
TUNG H L		100437	TURNER D A	26138			30423	40429	UEHARA K	47408	55015
TUNG M C		90573	TURNER D B	61336	TUURALA O		TYTAKOWSKI W	82952	55371	69318	99517
TUNG T C		105320	TURNER D E	18036	TUURI J		TYULIPANOV N B	51547	UEJIMA J	97390	77391
TUNG Y S		106292	TURNER D H	48633	TUVESON R W		TYULIPANOV N B	13320	UEKUSA J		47435
TUNGER L		106583	TURNER D M	7634			TYULPANOVA A F	12547	UEMATSU H	18481	24343
TUNIS M		89949	TURNER D O	28414	TUXEN R	8423		92829			98846
TUNIS W D	57850	63662	TURNER D T	86409	TUXEN S L	95677	TYUMAN K	92837	UEMATSU T		20195
TUNKS F E	25827	26492	TURNER E A	59821	TYUYAMA T		TYUMENTSEV S N	10107	UEMATSU Y		97392
	26863	45255	TURNER E C	63518	TUZ A S		TYUMYAKOV N A	42444	UEMURA M	38491	107541
TUNON-SUAREZ V		13089	TURNER E W	44027	TUZI MURA K	39372	TYUNEV A P	15877	UEMURA S	70408	71297
TUNSTALL J P		42642	TURNER F	20650	TUZOVA R V		TYURKO V A	97685			101831
TUNSTELL G	21374	60877	TURNER F A	89950	TUZOVA I		TYURGASHKIN I I	102751	UEMURA T	51454	51050
TUOMI J	3937	71826	TURNER F C	85075	TUZOSON I		TYURIN A V	50637	UEMURA Y		20930
		72495	TURNER F J	45945	TVALASHVILI K G		TYURYUKANOV A N	101774	UENAKA K		81071
TUOMISTO J		14400	TURNER G	75619	TVEED B		TYURYUKANOVA E A	70310	UENO J	47825	58354
TUOMY J M	16256	55546	TURNER G D	62244	TVEDT H		TYUTYUNNIKOV A I	35577	UENO K	31327	47179
		75660			TVEIT M	41249	TYUTYUNNIKOV A I	85550	UENO M		38174
TUPCHIENKO S A		80492	TURNER G G	76354	TVEITNES A			48758	UENO Y	100857	100858
TUPENEVICH S M		9152	TURNER G O	77829	TVERDOKHLEBOV I A			101039	UESAKA S	12924	30749
				70644			TYZNIK W J	72848	41378	54742	103113

	ITEM		ITEM		ITEM		ITEM		ITEM
UESAKA S	--CONT 103362	ULONSKA E	1533 7068	UNTU A	70638	URL W	27826 68590	UVAROV O	3719
UESHIMA N	5428 14763	25757 79212	79212 7068	UNTU R	24227	URMAN H K	92582 92758	UVAROVA N I	48638
	33287 73731	79213 90076	91176	UNWIN A H	17440	URMANOVA KH U	90078	UVERUD H	11631 103602
UESHIMA T	31618	ULREY I W	15426 15427	UNWIN C H	9034	URMHART SIR R	108620	UYEMOTO J K	18394
UEHADA T	79176	ULREY O	76712 86917	UNWIN F W	9526 10877	URQUHART A W	27066	UYEMURA T	40430 40926
UEKKUL H R VON	70646	86918	86919	UNWIN G	17440	URQUHART G M	30921	41147 41177	41178
UEYAMA A	12300	ULRICH	88043	UNWIN I P C	37152	URRIES M J	18230 47409	81618 81619	103019
UEYAMA E	62142	ULRICH A	1292 9798	UNWIN P	39311	URRUTIA H	15520	UZENBAEV E	19590
UEZUMI N	16338 104210	40095 48154	48362	UOTA M	55206 107998	URS N V R	18231	UZGOR R	92877
UEFMANN S	1943	ULRICH A H	51153	UOTILA I	4109	URSACHE R	32433	UZIAR S	49906
UFFORD C G C Q	60895	ULRICH B	49764	104298	104298	URSTIC S J	70839	UZIAR Z	48465
VAN		ULRICH G	5811 48463	UOTILA P J	24051	URSINI J	62403	UZILEVSKAYA P S	104292
UGADIM Y	88476 88478		70030	UPADHYA M D	24052	URSO C J	27272	UZILEVSKAYA P SH	103141
UGAROV A	80437	ULRICH H	33206 55205	8628 18776	27521	URSPRUNG H	14671	UZINADZE M D	8629
UGARTE R	104565		105775		100084	URSU I	15272	UZUN V F	2499 80493
UGENT D	17803	ULRICH H P	70459	UPADHYAYA B D	102368	URSU I	24053	UZUNOV I S	88668
UGGLA A H	57416 67555	ULRICH J	97596	UPADHYAYA S M	17998	URSULENKO P K	101108	UZUNOV V	35924
UGGLA H	2296	ULRICH M G	94669	UPADHYAYA V N	42445	URUCHEV K	93557	UZEVKOV A S	2500
UGLOV P D	48462 69103	ULRICH R	65635	UPADHYAYA Y M	9628	URVOY J	23939	UZKAN A	45193 57149
	89730	ULRICH V	105875		59213	URYVAEV A I	102551		74441
UGLOVA N V	28668	ULRICH W	53898	UPCHURCH L	46663	USACHEV P I	88056	UZZELL G	37521
UGOLEV B N	51369	ULRICHOVA L	75699 75699	UPCHURCH M L	8036	USAI A	3973 107397		
UGOLIK N F	86043		75699	16760 75968	108214	USAMI S	869		
UGOLINI A	4844 94346	ULRIKH N N	16397 35337	UPCHURCH R	98351	USELITE S I	57704		
UGOLINI F C	2297		55818	UPCHURCH R P	39574	USENIK E A	72194 82963		
UGREKHELIDZE SH V	29965	ULSO H	63336	UPHAUS R A	37974 68741		103672	VAADIA Y	38130 38131
UHERKOVICH G	9362	ULSPERGER E	86496	UPHOF J C T	50752 78221	USEROS-CASAS F	52295		68826
UHL C H	18668	ULUBEKOV M V	100299		67581	USHA B V	62294	VAAGE T	29132
UHL J J	86522	ULUBEKOVA M V	48212	UPIT P YA	105146	USHAKOVA E I	79741	VAANDRAGER M H	60803
UHLARIK S	13788	ULVESLI D	41254	UPMANIS R S	72524	USHAKOVA G V	63900	VAARAMA A	1243
UHLE H J	6528 15681	ULVINEN O	69446	UPPAL D R	92872	USHATIN P N	73543 73544	VAART F M VAN DER	75814
25044 25052	34373	ULYAKHIN A	104618	UPPENBORN W	37437	USHATINSKAYA R S	83902	VAARTAJA O	27243 47181
44340 74731	96390	ULYANISCHEV V I	47195	UPRETI G C	99633	USHERWOOD P N R	33486		101832
	96391	ULYANOV A M	25526		44798		43331	VACARIU I	81678
UHMANN H	5708 84368	ULYANOV N V	41155	UPRETY M C	41049	USHIJIMA J	92583	VACARU I	71657
UHMANN J	63055 83069	ULYATT M J	13655 78068	UPRICARD J M	1735	USHIJIMA T	28223 78069	VACARU S	90554
UHLEN A G	10305	ULYCHNA K O	78835	UPSHALL W H	6730	USHIMI C	52133 104725	VACCA C	104549
UHLEN G	80438		70451	1804 6729	59565	USHIYAMA K	25970 42714	VACCA L	104549
UHLER H J	35057	ULZIIKHUTAG B	10426 13980	UPSTAD W	44717		44740	VACCARO S E	1397
UHLER R L	10109 76210	UMAEUS V	79641 79355	UPTMOOR J H	65563	USHIYAMA R	30400	VACHER J	87899
UHLIG C	76210	UMALI D L	66718 76650	UPTON W	2669	USHIYAMA S	63570	VACHEV B	31893 32545
UHLIG S K	21243 70170	UMANETS L	22873 70171	URAKAMI K	32169	USHKANOV V	43868	32546 83002	103894
UHLMANN S	10557	UMAPATHY K	101447	URAKAMI T	42106	USIK G E	11630		104836
		UMAR S M	99519 91316	URAKI S	66727	USINGER R L	5034	VACHMANI M V	20775
UHMANN E	23624 30234	UMAROV E	90077	URAMOTO M	30749	26826 42359	63813	29829 39789	59998
UHQRSKAI O	19127	UMBRAZIUNAS K	29016 49265	URANO S	31528	USKOL S P	102561		100895
UHR J	62553		78837	URANOWICZ K	25233	USMAN S	52899	VACHKOV M	55984 109222
UHRIG J W	56333	UMBREIT W W	78837	URAS T G	76603 108798	USMANOV K U	85642	VACHNADZE N I	27450
UHRIG W	7797		29130	URASHIMA Y	65703	USMANOV KH U	15879	VACHON M	5102 73546
UHRING J	38397	UMEBARA I	31226	URATA K	42322		71554		105585
UI T	37378	UMEBARA T	33823	URBACH W	19154 48378	USMANOV P D	9630	VACHULA P	21175
UIERLAYOVA E	49949	UMEDA I	31226	URBAHN E	78776	USMANOV-KH U	34600	VACIETE L E	92808
UILENBERG G	13979	UMEDA S	66053		27549		34632	VACIRCA G	32236
	14479	UMEDA Y	35488	URBAIN W M	43302	USOV A G	69767	VACLAV E	21319
UITWAAL A J A	27503	UMEHARA M	40430 40811	URBAIN Y	43302	USOV V M	96328	VACULIK P	48254 48255
UJ--TOTH L	10337		43543	URBAN D	46160	USOVICH A T	103262	VACZY C	36754
UJHELYI J	88408	UMEHARA Y	43722 45489	URBAN E	4286	USPANOV U U	108623	VADASZ L	74217 74218
UJHELYI S	6475	UMEKI T	81339	URBAN I	74029	USPENSKAYA M V	103141		106469
UJIHARA M	79209	UMEMORI T	108649	URBAN K	48228	USPENSKAYA V D	82378	VADHANASINDHU Y	62404
UKAI N	55088	UMEMURA K	19207	URBAN W	4287	USSARY J P	80747	VADHER C C	86047
UKHINA S F	69015	UMETANI M	96026	URBAN W E	4478	USSEGLIO-TOMASSET	6323	VADOPALAS A	53733
UKOLOV A A	69348	UMETANI M	96026	URBAN Z	57746	L	74667	VAEREN J V	27507
UKOLOV V S	5831	UMEZU M	3109 4429	URBANECK D	13738	USSERY L R	70751	VAGABOV V M	89734
UKRAINSKII V V	29870		51805	URBANEC L	92396	USSERY M	108772	VAGELER P	49766 50167
UKSILA E	26139	UMINSKI T	86289	URBANET T	16225	USSOROWSKA M	3384	50168 91177	91178
ULASEVICH P S	82836	UMPHLETT C J	32995	URBANI C B	14842	USTINOV D A	92838	VAGER R M	9258
ULBERG L C	4327		100001	URBANI K	5589	USTINOV I D	32541	VAGGI G	30426
ULBRICH F	3708 31467 51944		86289	URBANI K	5589	USTINOV K I	65351	VAGHI M	13003
	41668	UMPIERRE-GARCIA I	5836	URBANI K	5589	USTINOVA E I	8497	VAGI F	7683 56523
ULDALL-EKMAN E	87114	UMSTOTT H D	98325	URBANI K	5589	USUELLI F	36532	VAGIN A V	102469
VON		UNAKUL S	8135	URBANI K	5589	USUI M	35678	VAGNER O	69247
ULEHLA J	1242	UNAMBA-OPARAH I	102061	URBANSKI K	91610	USUI T	33827	VAGO C	73500 94670
ULEVITCH I N	66124	UNCHIEV N D	58906	URBANSKI S	106947	USZYNSKI H	55424	105638 105687	106057
ULEZLO I V	36647	UNCIANSCHI L	100500	URBANSKI S	106947	UTAGAWA I	28241	VAGO J	26575 104522
ULEZER M A	45345	UNCINI L	49389	URBANSKI S	106947	UTAGAWA I	30442	VAGONENE E	4291
ULICZNY	34768	UNDERDAHL N	4608	URBANSKI Z	54686	UTAGAWA I	39117	VAGT W	5002 37130
ULITKO V YU	18174	UNDERDAHL N R	4477	URBANYI L	81690	UTEI I V	102100	VAGUJFALVI D	59088
ULLAH I	101977		4601 72988			UTEKHIN A	88100	VAGVOLGYI O	41555
ULLAH M	103560	UNDERKOFER L A	24512	URBASCHEK B	18187	UTENYSHEV YU P	54731	VAHIN V I	73987
ULLAH M A	11432		44105	URBASCHEK B	18187		70647	VAHL E VON	37153 90365
ULLAH M I	102559	UNDERWOOD E J	4351 36542	URBASCHEK B	18187	UTERMARK	90830	VAHLING F H	54299
ULLAH M R	65014	UNDERWOOD G	27428	URBANA-CELVALLOS J	19582	UTERMUHL H	109195	VAICKUTE-ZUKASKA-IEENE J	53223
ULLAH R H	58481	UNDERWOOD G R	23775			UTFAUSH YU A	59391		
ULLAH T	100763	UNDERWOOD J C	105810	URBON J C	36024	UTHAISILP C	57214	VAIDYA A S	66028
ULLAH W	29966		86497	URBONAS A	28882	UTIDA S	53292	VAIDYA M S L	1244
ULBRICH I	41855	UNDERWOOD J K	99520	URBONAS V	26937	UTILLIO D	72125	VAIDYA S M	1988 28554
ULLERUP B	1532	UNDERWOOD P C	104059	URDIHOVA M	12811	UTKANLAR N	32171		100869
2400 2401	1667		104291	URE C R	19850		104558	VAIDYANATHAN C C	59043
	11629	UNGE C VON	5971			UTKIN A I	102539	VAIDYANATHAN C S	55003
ULLMAN W K	86375	UNGER H	2246 26140	URE J	91545	UTKIN V V	10110	59043 59044	89890
ULLOA I	39746	UNGER J L	43411	URECH J	69319	UTLEG J L	50554		100632
ULLREY D E	13773	UNGER K	48464	URECHE V	32006	UTNE J	87975	VAIGLA A	98980
42256 42257	82939	UNGUREANU C	93377	URFF W VON	16858	UTPOTT J	103721	VAIL G E	13697 25878
	104861		104457	URIBE A	15566	UTRATA A	10982	25879 26193	46487
ULLRICH	17439		5572	URIBE C A	85168	89731 89732	89733		55523
ULLRICH E O	26864	UNGER J L	90952	URIBE C G	90783			VAIL S L	63552
ULLRICH H	79627	UNGER M	43411	URIBE G	75743	UTSU B	90310	VAILLE J E	90377
ULLRICH H D	24557	UNGUEREANU C	93377	URIBE JASSO J DE	66252	UTSUND B	44574	VAILLANT F	43121 43122
ULLRICH J	47253		104457			UTTAL L J	26908	84007 95101	95102
ULLRICH K	105068	UNK J	90574	URIBE S E	102417		77419		95103
ULLRICH W	48378	UNKUTSA M G	6899	URIBE-URIBE L	102848	UTTLEY K H	67435	VAILLANT S	88129
ULLSTROM K E	69850	UNNACK A	31468	URICH K	23530	UTZ E	74172	VAILLE J	14156
ULLSTRUP A J	235	UNNIKIRISHNAN M K	46425	URICK J J	12805 71911	UTZIG J	31629	VAILLS L	72380
37379 57914	89778	UNNY K L	105639	URIE A L	82158		61906	VAINAHII I V	78838
99518 105222	7054	UNO M	54906	URINSON M S	48222	UVACEK E	25952	VAINBERG N	24754
ULMAMEI P	30638	UNRAU A M	31469	URION E	16167	45006 45035	50595	VAINER M	97928
ULMANEN T H	25373	UNSHLM J	31469	URIOS FELIS M	44582	107590	107635	VATNER M G	87900
ULMANN M	64729 106554	UNTERSTENHOFER G	52755	URITANI I	9085	UVALIEV I	63073	VATNIKAINEN V	81633
	95678		88667		77620	UVALIEV I U	13668	VATNSHTEIN B A	33072
ULMER G	77462			URIU K	91319	UVAROV B	105071	VATNSHTEIN I S	48915
ULOMSKII S N					102254	UVAROV B P	5598		







VARGA L	87998	90929	VASIL I K	27642	69327	VAUGHAN E K	37242	VEGA-CORRAL J	53054	VENCIOUS S	40388
VARGA M		19211			100503		47233	VEGA-MUNOZ T DE	97013	VENEKAMP J H	18039
VARGA P	1632	59394	VASIL V		27643	VAUGHAN J G	740	LA		18367	68300
VARGA Z		95548	VASILCHENDO I T		1781		17806	VEGIS A	19214	78841	99662
VARGA-HASZONITS Z		11214	VASILCHENKO G V		69109	VAUGHAN J M	61569	VEGLINA M P		92086	50493
VARGAS L		32732	VASILCHENKO I M		51077		61570	VEGORS H H		51887	19429
VARGAS S R		90223	VASILCHENKO I T		27577	VAUGHAN J T	22453	VEGVARI J		50753	39758
VARGAS-GONZALEZ O		88951		57492	77420	VEGYS J	104141	VEGYS J		5702	39759
VARGAS-HERNANDEZ D		55745	VASILCHENKO V F		78626	VAUGHAN L C	71830	VEIGA A A		39965	21631
			VASILENKO I		43576	71831	92759	VEIGA A DE A		55207	67538
VARGAS-ROMERO A		45194	VASILENKO K F		92584	VAUGHAN L M	35850			58196	95886
VARGES W		86189	VASILENKO M V		31024	VAUGHAN M H	10171	VEIGA J		31073	11826
VARGHESE T M		18669	VASILENKO P M		8537	VAUGHAN R E	29330	VEIGA J N DA		65011	30518
27641 37803		89233	VASILESCU A		22501	VAUGHN C M	94669	VEIGA J S M		52041	91668
VARGINA N E		98843	22502	61615	66864	VAUGHN G F	8038		104135	VENEVA-BODUROVA	104928
VARHELYI A		36295	VASILESCU N		61615	VAUGHN J L	23496	VEIGNEAU P		93566	
VARI L		33445	66864	76306	93526	VAUGHN J T	3992	VEIHMAYER J D		50169	
VARIS A L		6832	VASILESCU P		39819	VAUGHN M E	36348	VEIL O		76360	72711
VARIS E		1246	VASILEV A		34751	VAUGHN R H	75773	VEILIEV M I		29970	92784
VARIS T		102875	VASILEV A F		63420	VAUGHT H C	44725	VEILLET-VARTOSZE-		18671	
VARITSEV A P		45878	VASILEV A V		46613	VAUGIEN P	22363	WSKA M			
VARJU L		31023		48195	72766		82406	WILLON J P		47692	
VARLAMOV G P		24109	VASILEV D G		66890	VAUPEL E	21322	VEINBERGS I		46733	
		106334	VASILEV D S		90224	VAUQUELIN N L	46588	VEINBRANTS N		39070	
VARLAMOV V A		91894	VASILEV G		100266	VAURIE P	53293	VEIT L A		76216	
VARLEY G C		53161	VASILEV N G		71064	VAUTIER E E	57421	VEITCH P A		15983	
VARMA B B		104459	VASILEV P V		71065		69110	VEITONMAKI M		45617	
VARMA B K		14575			109176	VAUX R M C	53507	VEKEMANS R		27048	
VARMA C P		67766	VASILEV TS	52524	82887	VAVAKO D	31025	VEKEN P VAN DER		17807	
VARMA H S		372	VASILEV V		99184	VAVASSORI A M	106378	VEKHOD N K		12038	
VARMA K C		55690	VASILEV V D		102867	VAVICH M G	4084	VEKHOF V N		12038	
VARMA M G R		4775	VASILEV V G		84359	VAVIOLOV N I	8580	VEKSHOGONOV V YA		102752	
5112 63899		94242	VASILEV W N		36935		87912	VELASCO J R		38466	
VARMA M M		19212		57661	102599	VAVRA A	15129	VELASCO L M		103896	
VARMA S S M		70871	VASILEVA D V		48252	VAVRA J	7404	VELASCO M		92365	
		108322	VASILEVA E I		28819		66133	VELASQUEZ C C		105808	
VARMA O P		107979	VASILEVA G G		21696	VAVRA J P	69111	VELASQUEZ F D		108122	
VARMA P M	52682	105321			21697		101648	VELAY L		50347	
VARMA R		86410	VASILEVA G L		77463	VAVRA Z	27047	VELAYUTHAM B		99233	
VARNAGY L		62406	VASILEVA L		32486	VAVRINECZ G	7516	VELAZQUEZ-ANCHON-		92087	
VARNNAVSKII A N		21736	VASILEVA L I		29370	7517	56955	DO S			
VARNELL T R		82767			57662	VAVRUCH I	26321	VELCHA I		87334	
VARNER J E	69106	100716	VASILEVA M		101041	VAVRUSKA F	60113	VELCHEV V	8655	88219	
VARNER R W		11001	VASILEVA N A		100718	VAVZHINCHAK S V	22028	VELCHEVA P		83604	
VARNY E H		9228	VASILEVA N G		77234	VAWTER L R	22407	VELCHEVSKI G		64376	
VARNEY W Y	75550	107687	VASILEVA-DRYANOV-		89316	VAYDIK F	77815	VELDEE S		47498	
VARD M	3774	103509	SKA D			VAYSSIERE P	8414	VELDEMAN R	77831	88835	
VARDOSYAN A L		108215	VASILEVICH V I		27452		87382			88838	
VARRO J		98195			58195	VAZART B	48261	VELDEMANN L		93336	
VARSAKINA E I		1565	VASILEVSKAYA A E		20468	VAZQUEZ A W	85744			93378	
VARSANYI J	48917	50062	VASILEVSKAYA L S		30427		85745	VELDET T		27278	
		51455	VASILEVSKAYA V K		18670	VAZQUEZ M A	69423	VELDHUIS J M		8003	
VARSHAVSKII B YA		84370	VASILEVSKII M I		87315	VAZQUEZ SOTO J	71002	8035	8046	45981	
VARSHAVSKII YA M		105495	VASILEVSKII V I		74149	VAZQUEZ-DE-RAMAL-	18051			67025	
VARSHNEY C K		88834	VASILEVSKY A M		21116	LO N		VELDHUIZEN H VAN		7071	
VARSHNEY R K		14774	VASILIC V		17441	VAZQUEZ-GONZALEZ	52819	7072	90079	97014	
46633		106104	VASILICA C		70074	J		VELDHUYZEN C J		2950	
VARSHNEY T R		13699	VASILIJUE M		71118	VAZQUEZ-LADRON R	55572	VELDINK J G		45738	
		22851	VASILIU A	2468	10385	VAZQUEZ-RONCERO A	26143	VELDMAN E C		70754	
VARSHNEYA Y P		47740	11656	11673	11682	48640	48641	VELDMAN F J		31073	
VARTANDOV A A		22272	VASILIU G	32498	62050		75712	VELDSMAN D P		75146	
VARTANYAN M D		25527	VASILIU M		11633	VCHERASHNYAYA G P	48			96759	
VARTANYANTS V G		69107	VASILJEVIC L		32917	VEALE M	85250	VELDSTRA H		99639	
VARTAPETIAN B		100717	VASILJEVIC L A		14902	VEALE P T	60291	VELEA C		48885	
VARTAPETIAN B B		19213	VASILKEVICH D K		48642	VEAUX M	103841	VELECHKIN P A		32007	
		73465	VASILKOV B P		57492	VEBER K	90997	VELEMINSKY J		18542	
VARTIAINEN V		21633			57747	VEBLN P	94244	VELENOWSKY J J		94035	
		21634	VASILYEV N		66728	VECCHI M A	63784	VELETSKII I N		29371	
VARTIOVAARA U J		96411	VASIN A D		3415		83671			74146	
VARTY I W	63726	105810	VASIN P		15979	VECCHI N DE	84514	VELEV B		33577	
VARVARIN B G		29830	VASIN S I		61208	VECCIO V DEL	64768	VELEZ LUNA E		88662	
VARYUSHIN V YA		32422	VASISHTA K		28380	VECCHIOTTI G G	31265	VELEZ-BOZA F		8343	
		52571	VASISHTA P C		88496	VECHAR A S	89859	VELEZ-KOPPEL E		35726	
VARZANDEH M		42447	VASTU V	48885	102063	VECHER A S	48642	VELIBEOGLU S		83853	
VARZEVELD G		79496	VASKAN G K		29831	VECHT J VAN DER	43233	VELICAN V		100504	
VAS K	6762	54331	VASPR A H J		48995	VECKENSTEDT A	43234	VELICHKIN P A		93379	
75385	96204	96953	VASQUEZ V	83330	83438	VEDCEY T	76891	VELICHKO D M		54033	
		102893	VASQUEZ-CARRIZOSA		98043	VEDAMURTY G	42561	VELICHKO I M		29661	
VAS S I		104541				VEDARAMAN S	60795	VELICHKO L F		4527	
VASAITIS V	4230	22602	VASQUEZ-DE-PRADA	30517			60797	VELICHKO N		95836	
31800	31896	52231	E A			VEDDER P J C	40387	VELICHKOB L		30037	
VASAK V		69496	VASS D	30581	30581	58026	63683	VELICHKOV V		71729	
VASALLE M		104051	VASS P	35105	35105	VEDENYAPIN G V	74173		83672	VENOV N	
VASAN S		21033	VASSAL J	17805	17805	VEDRALOVA E	89510	VELIKOVSKAYA YU A	103897	VENT L	
VASANKO A A		100502	VASSAL V	24800	24800	VEEN A G VAN	54332	VELILLA J F		96797	
VASARA R		67385	VASSILIADIS A	6679	6679		55691	VELITOK I G		24873	
VASARHELYI E		42430	VASSILKOV B	26799	26799	VEEN B	40546	VELKOV V	69710	69768	
VASARHELYI I		14348	VASSIN E K	59262	59262	VEEN B W	69112	VELLA P		17560	
VASARI A	8598	88202	VASUDEVA R S	651	651	VEEN E	38622	VELLE H A		61400	
VASARI Y	88202	88203	9249	10386	47280	VEEN H E VAN DER	3426	VELLE W		18181	
VASATKO J		16472	47525	47538	47538	3427	104949	VELLGUTH H J		62407	
VASCAUTANU E		100989	VASUDEVAN B	32176	32176	VEEN J H VAN DER	86655	VELLING G	62856	104384	
VASCONCELOS J		35725	VASUDEVAN E K	92165	92165	VEEN J M	27330	VELLOSO L		41502	
VASCONCELOS J M		96329	VASUDEVAN K N	27699	27699	VEEN J VAN	7962	VELO-FIERRO G		69627	
DE			VASVARI MRS G	44143	44143	VEEN M L	56663			70032	
VASCONCELOS L R		69108	VASVARY L M	14213	14213	VEEN P J	31471	VELOSO H P		78070	
VASCONCELOS R DE		13214	32918	42744	73328	VEEN S VAN	45616	VELOSO J A		90575	
VASCONEZ L E A		104029	73329	77961	77961	VEEN-H E VAN DER	3426	VELT J		83187	
VASCONI M		106671	VASYLUNO YU A	29969	29969	VEENBAAS A	25449	VELTEN J	96393	96394	
VASEK F C	47691	98981	VASYLUNO G G	27062	27062	34809	49368		96395	96396	
		23533		64533	64533	VEENHUIZEN B E	88058		31026		
VASENKOVA V M		105322	VASZKO M	43498	53875	VEER J	2971	VELTHOEN A A		32970	
VASEV A		91214	VATAGIN A V		80441	VEER J DE	45868	VELTHUIS H H		94581	
VASEY E H		53690	VATNE R D								



VERBILO V	71066	VERMA O P	62927	VESHCHIKOVA T V	81182	VIDANO C	43182	58109	VILKO G T	ITEM
VERBOVYI K A	49098	VERMA R D	60002	VESHI L	70453	VIDAUD J	101133	107237	VILKOV K	45346
VERBRIDGE G	65526	VERMA R K	1279	VESHTORT N	27063			107238	VILKOV V	66289
	85786	VERMA R P S	76839	VESKI E	10880	VIDAVER G A		72667	VILLA E A	53736
VERBURG G B	65995	VERMA S	54485	VESKI V	69114	VIDE S B		57504	VILLA-NEUA J R	67510
VERBURG MOORE J A	67088	VERMA S C	58914	VESSEY J	68593	VIDENOV B	37384	99525	VILLACORTA S R	19352
VERCAMMEN	63902	VERMA S	79000	VESSEY J K	91645	VIDI G		40594	VILLACORTA S R	102533
GRANDJEAN P H		VERMA S S	2448	VESSIA R	42448	VIDIELLA J E	44524	54751	VILLADOLID D V	22922
VERCAMMEN-GRANDJ-	14483			VESTAD R	14328	VIDIOLA J C		90954	VILLADOLID D V	107239
EAN P H	14484	VERMA U P	100875	VESTER E D G	98982	VIDOME T		19216	VILLAFANE MORALES	66536
53224	94766	VERMAAS D	19379	VESTERBERG R	42057	VIDOMLANSKY D F		19052		
94789	94790	VERMAAT J G	25226	VESTERGAARD E C	84643					
		VERMAN L C	20777	VESTERINEN E	50511					
VERCAUTEREN R	87901	VERMEER J	6581	VESTRVALL E	70329					
VERCIER M	79523	VERMEIRE R	70452		72050	VIDOR G		33966	VILLAGRASA J	65677
VERCOE J M	93691	VERMES F	10115	VESTH B	51670	VIDYADHARAN K K		49010	VILLALOBOS FINOL	8138
VERCRUYSS E	35426	VERMES J	11788	VESTMYR J	95688	VIDYARTHY G S		16652	VILLALOBOS M J	6429
VERDADE F DA C	11314	VERMEULEN E J	104596	VETKASOV V K	50722	VIDYASEKARAN P		11356	VILLANEVA C	85746
	11433	VERMEULEN H	440	VETO F	100508	VIDEAM M G DE		105689	VILLANEVA L	85746
VERDCOURT B		VERMEULEN J P	1711	VETROMILE E	7673	VIEGAS A P	9157	9158	VILLANUA L	55575
88247	88411	VERMEULEN P	46923	VETSCH U	54456	VIEGAS G P		26976	VILLANUEVA B J	73239
VERDERY M C		VERMEULEN W	57503	VEITER A	60017	VIEHMEYER G		48760	VILLANUEVA E P	30676
VERDES N	62800		54623	VEITER H	11540			10881	VILLANUEVA J R	27180
VERDIER M	53550	VERNADSKII V I	65114		5423			79630		100719
VERDIER R	45136	20457	17443	VETTER J L	24875	VIEILLEFON J		90999	VILLANUEVA L J	16440
VERDUGO W R		VERNER J E	78693	VETTER W	48539	VIEIRA D M L		41482	VILLANUEVA V R	105470
VERDUIN M	43679	VERNER L	38263	VETTERLEIN E	90831	VIEIRA M I		93536	VILLAR A D	69598
VERDUS M C	18673	VERNEER J E	30827	VETTERLEIN R	64513	VIEIRA R M S		59660	VILLAREAL-SULIT S	10278
VERDUZCO-GUTIERREZ J	71333	VERNET A	8507	VETTORI	3278	VIEL G		44704	VILLARES J B	3098
		VERNET A	20402	VEYKAC H DE	57063	VIEL P	20315	109051		3296 12845
VERECZKEI I A	26450	VERNICENKO A F	22029	VEYKAC M DE	108907	VIELEMEYER H P		106571		41502
VEREERTBRUGGHEN A	92587	VERNIER A	97927	VEYRAT P	78732	VIELHABEN V		19217	VILLARET P	36756
VEREISKAYA V N	42835	VERNIER A	97927	VEZ A	37383	VIELHAUER S		91404	VILLARI U	26440
VEREENKON K N	67393	VERNIER J M	42738	VEZEKENYI E	79105	VIELITZ E	4288	32008	VILLARREAL C	28303
VEREMEYER R K	19371	VERNIKOVSKAYA I A	39856	VEZEV L	19675	VIERNEISEL H		92763	VILLARREAL E M DE	22319
	79024	VERNON A J	19215	VEZIN C	102562	VIETEL A T		90468	VILLARREAL F	55175
VERES A	76361		48766	VEZIN M C	94347	VIETURS U		47957	VILLAVICENCIO E J	55957
VERES J	98196	VERNON E H	52970	VEZINA P E	99252	VIET F		81883	VILLAVICENCIO M	71832
VERESHCHAGIN A G	75744	VERNON H R	71978		12068	VIETH J		89235	VILLAX E J	69599
VERESHCHAGIN G YU	76559	VERNON L P	38452	VEZNIK Z	22959	VIETS F G	19218	20778	VILLE A C	59089
VERESHCHAGIN M N	103364	78843	100183	62052	62052		70648	78844	VILLE C S	68230
VERESHSHAGIN G YU	76559	VERONA O	8881	VEZNIKOVA D	63296	VIETS K O	94793	94794	VILLEGAS C A	70633
VERESIN M	21323		20500		63338	VIETTE P	5560	14903	VILLEGAS E L	69395
VERESIN M M	102753	VEROSTA B	84542	VIA-COLL C	106854		64237	106058	VILLEGAS V	22898
VERESKUNOV V K	64315	VERPLOGE M	56362	VIADO G B	105688	VIEVILLE F		45195	VILLEGAS V A	80178
VERESS I	66398	VERRALL A F	335	VIAENE N	13610	VIEWEG B K H		69628	VILLEGAS-GALARZA H	26800
VERESS L	51972	21468	99523	VIAL E E	65115	VIEWEG K		36533		27774
	92182	VERRES G	38467	VIAL V E	3416	VIG B K	9530	68594	VILLELA A	56699
VERESS S	100505	VERRI E	26511	VIALI G	12369	VIGERUST A		40561	VILLELLA J B	104886
VERETENICOFF S	67470	VERRON H	33517	VIALI G	25766	VIGERUST E		60183	VILLEMALIN G	39024
VERETENNIOFF S	3808		53595	VIALLET A	61489	VIGGIANI G	53361	3097		91073
VERETENNIOV A V	102754	VERSCHEAEGE L M	65266	VIAMONTE M	72436	VIGIER M		4390	VILLEMEN M	31031
VERGANI A	34331	VERSEGHY C	37029	VIAN B	99803	VIGLIERCHIO D R		525	VILLEMOT J M	22364
VERGANI A R	23346	VERSEGHY K	67988	VIANA E SILVA M	60525			88957	VILLENEUVE J DE	75254
VERGARA B S	100506	VERSHCHAGIN B V	96702	VIANA F R	106855	VIGLIERCHIO P		55378	VILLERET S	89384
VERGARA D J E	92588	VERSHININ I	106335	VIANA J A C	74814	VIGNIER J P		71881	VILLERS A	7910
VERGE J	41269	VERSHININ I I	13011	VIANA S L	74814	VIGOROV L I		98415	VILLETTE Y	56893
VERGER F	97761	VERSHININA T A	42495	VIANELLO G	13888	VIGUE R F		22273	VILLIARD P	43303
		VERSNEL A	44298	VIANNA A T	21980	VIGUERA J M		79071	VILLIERS A	5430
VERGER M	93527	VERSTEEG W	101770	VIANNA M P M	25528	VIGUE J		93380		73732
VERGHESE E J	39008	VERSTRAETE A	12749	VIAPLANA A	6593	VILEBERG K		69115		95260
VERGNAUD H	46780	VERT P	24809	VIART P	26362	VILIRSOO E V		48470	VILLIERS A M DE	51343
VERGNAUD H J	58913	VERTER W	92088	VIAU P	76510	VIJ S P		37708		74252
VERGOTE-DE-LANTS-	22402	VERTESSEN J	89232	VIBE P P	72851	VIJAYALAKSHMI K		11201	VILLIERS M A	23741
HEERE W	22929		108234	VIBERT P	8191		39662	70330	VILLIERS T A	69117
		VERT P	24809	VICARD A	31030	VIJAYALAKSHMI P K		90820	VILLIERS V DE	74782
VERHAART M L A	25831	VERTPNYI M I	50926	VICARD A	31030	VIJAYALAKSHMI U		48643	VILLORESI L	63806
	43511	VERTER W	92088	VICARIA-SILVA L E	93716	VIJAYARAGHAVAN M		573	VILLOT A	8062
VERHAGEN A M W	28244		108234	VICEK J	2860				VILLOT J P	88497
VERHEIJ C	7432	VERTESSEN J	89232	VICENTE M	100195	VIJAYARAGHAVAN P	34184		VILLUMSTAD E	83674
			78805	VICENTE-CHANDLER J	39925					83675
VERHEIJEN F J	32970	VERTII S A	78805			VIJAYARAGHAVAN P K		96749		21959
		VERTINSKII K I	13165	VICHURINA G A	57876	VIJAYARGIYA R		58971	VILLWOCK W	21959
VERHEYDE R	63785	VERTRES J D	29373	VICINI-CABRAL F J	7519	VIJVER G WAN DE		84010	VILM S N	25767
VERHOEFF K	9156	VERTRIEST W	108550	VICK K I	106412			17442	VILMORIN DE	57337
VERHOEVEN B	37381	VERTS B J	41300	VICK V	84181	VIK K		40780	VILMOS S	69447
VERHOEVEN G	37382	VERTUNOV A I	83088	VICKARS M A	14076	VIK T	40518	40780	VILOSHATAN A P	108348
		VERUETTE-FUENTES J	40544	VICKERS D H	73589	VIKHLYAYEV A		56525	VILSTRUP R	107636
VERHOEVEN M A	55820	VERUSIO G	26494	VICKERY C A	94254	VIKHODTSEVSKI N		8656	VILSTRUP R H	25917
VERHOEVEN J H	107398	VERUSIO G	26494	VICKERY H B	19432			88248	VIMBA E	26828
		VERVACK W	25110		19432	VIKTOROV G A		73778		26977
VERHULST A	15658	VERVER H W	104949	VICKERY J	45530	VIKTOROV L		66891	VINATORU M	92125
VERIGO S A		VERWOLDE-VOUTE L	71171	VICKERY J R	6228	VIKTOROV S V		47621		97686
VERKERK K	1247	V VAN			64904			88204	VINCE D	48471
		VERZAR F	46467	VICKERY J W	17808	VILA J A		49508	VINCENT A E	20920
VERKHOVSKII V	84457	VERZAR GY	24505	VICKERY L S	38930	VILAGUILAR R		6277	VINCENT A J	50591
		VERZELE M	65012		77561					71120
VERKHOVSKII V M	84457	VERZILIN N N	107991	VICKERY R K	37730	VILANOVA T		20329	VINCENT B	63347
		VERSCIA M	34634	VICKERY R S	47918	VILAR C		56350	VINCENT B H	82939
VERKHOVTSOVA M I	106293	VESCOVO M DEL	47412	VICKERY C	100509	VILAR J P		27354	VINCENT C	89090
VERKHOVTSOVA M I	89868	VESELINOVIC G	83276	VICTOR J	97677	VILARDEBO A		18410	VINCENT G	50684
VERKHOVTSOVA M I	67393	VESELINOVIC G	83276	VICTOR J	102952		18411	18412	VINCENT J	81183
VERLAAT J G	59999	VESELINOVIC G	83276	VICTOR J	102952		105276	105323	VINCENT J M	50684
	60000	VESELKIN V	60705	VICTOR J	102952	VILAS L M		56892		11336
VERLEUR J D	68229	VESELKIN V	60705	VICTOR J	102952	VILASECA-MOLINS R		43638	VINCENT M M	11364
VERLINSKY N	44029	VESELOV E A	81928	VICTOR J	102952	VILCEK F		68087	VINCENT M W	37420
		VESELOV I V	102755	VICTOR J	102952	VILCHEK M	22873	93692		75482
VERLOOP A	86598	VESELOV I Y	74670	VICTOR J	102952	VILCHEK YA		71729	VINCENT R E	85021
VERLOOP J M	83187	VESELOV I YA	<							



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
VINE S 30519	VISCONTI A 5971	VLADIMIROV G 69760	VOGELL W 23917	VOLKOV G K 12847	ITEM
VINE W E 12395	VISCONTINI M 73734	VLADIMIROV M 25947	VOGELLEHNER D 17626	VOLKOV L G 28820	
VINES A E 100510	73825	VLADIMIROV O 66891	VOGELSANG D L 27016	VOLKOV P 24124	
VINES C A 56894	VISCOVI M 44376	VLADIMIROVA A D 13166	60798	VOLKOV V D 102544	
VINES G 2468 10385	VISEK W J 72598	VLADIMIROVA N F 24656	VOGIOS K 29880	VOLKOV V P 11215	
11651 11656	VISER A L W 4054	VLADIMIROVA V V 94189	VOGL M 10117 28245	VOLKOVA A A 14073	
VINES H M 65636	VISHIN M L 79074	VLADIMIRSKII M V 26866	58917 73331	63161 63162 63163	
VINES J 93585	VISHNEVSKAYA N S 21686	VLADIMIRSKII V I 80665	99804 99805	93693 93694 94246	
VINES J 11477 11479	30705 103025	VLADU I 10648 20618	VOGLER F 15882	VOLKOVA G A 5058	
VINES W J 44525 54909	VISHNEVSKII A M 10559	VLADUTIU O 31032 31475	VOGLMAYR J K 52386	VOLKOVA L P 38469	
VINHA C 27118	VISHNEVSKII V P 30038	31476 31477 63160	VOGT C 108941	VOLKOVA M G 38470	
VINITSKAYA D P 68231	VISHNIAC W 1249 69192	VLAMIS J 49823 58916	VOGT D W 103898	VOLKOVA M YA 9902	
VINJE J M 99135	VISHNU MITTRE 57663	78847	VOGT E 54457	VOLKOVA P A 101631	
VINJE M M 99135	VISHNU-MITRE 18676	VLASENOK L I 1439	VOGT M 22362	VOLKOVA T M 68515	
VINK A P A 2298 11435	37806 57505 58358	VLASIN R D 40256 56664	VOGT O 49390	VOLKOVA Z A 101240	
20560 20561	VISHNU-MITRE G 100003	VLASOV E I 40615	VOGT W 39419 67552	VOLKOVSKII P A 50350	
VINK H 25269	VISHNYAKOV B S 74152	VLASOV I 5813	VOHLAND H W 83253	60696	
VINK L A 3589 31473	VISHNYAKOV N K 12529	VLASOV M I 28375	83254	VOLL M 82880	
VINK L W 66757	VISHNYAKOV S I 31474	VLASOV YU I 77941	VOHRA K G 29521 34394	VOLLE G 82664	
VINOGRADOV A P 1248	52653 104929	VLASOVA M I 9531	VOHRA P 52216 62773	VOLLEMA J S 20341	
VINOGRADOV B I 17443	VISHNYAKOV Y 82663	VLASSAK K 80131	VOHRINGER K 3297	VOLLHARDT Y 104679	
VINOGRADOV K F 76939	VISHNYAKOVA N N 51788	VLASYUK P A 68595	VOICA R 917	VOLLMAR G J 84371	
VINOGRADOV V 51608	VISHRAM T M 66056	78224 102064	VOICAN V 1919 9901	VOLLMER F J 80444	
VINOGRADOV V N 19772	VISHVESHWARA S 37807	19778	VOICU L 12427	VOLLNER K D 10197	
VINOGRADOV V YA 63060	88356	VLCEK F 1999 2686	VOICULESCU R 62058	VOLLMERS H 76443	
VINOGRADOVA E B 14719	VISLOV A I 104870	68087 79743	VOIGHT J E 90438	VOLLRATH P 45543	
VINOGRADOVA I N 81855	VISMARA E 35070	VLCEK J 4535 40704	VOIGHT R 89955	VOLNY S 742	
VINOGRADOVA K L 57705	VISNOVSKY ZS 28922	VLEESCHAUWER R DE 46426	VOIGT A O 55693	VOLOBUEV V R 80211	
VINOGRADOVA V M 67926	VISOCCHI V 6325	VLES R O 82215 103568	VOIGT D 70800	102249	
VINOGRADSKII S N 43183	VISOIANU I 49835	VLETTIER J W C DE 57064	VOIGT G 98197	VLODARSKII A D 58589	
VINOKHODOV V V 104460	VISOIANU I 71391	VLEUGEL D A 14904	VOIGT G K 29522 39804	VLODARSKII D 97928	
VINOKUR R L 78845	VISONA L 28626 69118	43454 49269	VOIGT H 53877	VLODARSKII N I 10118	
VINOKUROV V N 5740	VISSAC B 31355 103482	59159	VOIGT J 55099	48475 80445 102101	
VINOKUROVA N K 60526	VISSCHEDIJK A H J 32009	VLIET D J VAN 49269	VOIGT J W 99806	VLODCHENKO V S 69120	
VINOVRSKI Z 85518	VISSER A 60333	VLIET M F VAN DER 9159	VOIGT M 89236 99044	VLODIN V P 35545	
VINS B 30428 102757	VISSER A L W 5905	VLIET W F VAN 16061	VOIGT R L 28555 47244	79254 85597	
VINS J 31139	VISSER J 45555 45556	VLIETSTR A H 55230	VOIGT U 11615 80424	VOLODINSKAYA Z M 102991	
VINSKI I 56123 56124	84279 106300	48041	VOIGTLANDER G 48473	VLOGODIN A I 61010	
VINSON G P 72844	VISSER M H M DE 26244	49451 52872	69600 78849 101042	VLOKHOF V 32212	
VINSON J 32861	VISSER N H M DE 86441	VLOEBERGH A 1535	VOIGTLANDER K H 92591	VOLONTERIO G 107001	
VINTAN A 62050 62410	VISSER O 78850	VLOEN H VAN 36534	VOINOV E 103307	VLOSEVICH A P 3417	
VINTEJOUX C 37805	VISSER S A 11310 90955	VLOTEN J G C VAN 67640	VOINOV S I 51610	VLOSHANENKO G P 26323	
VINTILA E 58915	VISSER W C 101833	VLOTEN J M VAN 17444	VOINOVA B M 24630	VLOSKOV P A 13167	
VINTILA I 2399 12301	VISSERS C 86438 107898	VLUJTER J C 17444	VOISEY P W 5753 49658	103367	
62411 72258	VISTE K L 11118	VNA-VALEN L 5332	VOISIN A 3711 39817	VLOSOV YU V 75351	
92526 92589 101684	VISVANATH M L 70000	VOBLSKOVA T V 78848	81884 103366	VLOVCHENKO V N 20370	
101842 101869	VISWANADHAM S 10568	VOBORSKY J 86051	VOISIN J C 66057	VOLOVCHENKO I P 76943	
VINTILA M 18195	VISWANATH B 88009	VOCE B 81184	VOISON A 81885	76944 109223	
VINTILA P 23176	VISWANATHAN C V 7289	VOICINO G 31415 31478	VOIT C VON 57265	30039 109274	
VINTON C 74360	VISWANATHAN K S 70865	70744 71642 72610	VOIT I 15084	VOLOVICI C 39857 60240	
VINTON E L 12137	VISVAGLIANO M 35210	72611 75025 75026	VOITEKHOVA V A 100884	VOLOVICH P P 29374	
VINZELBERG E 5931	101239 107781	93210 93415 103124	VOITENKO M I 64662	VOLOVINSKAYA V 25988	
VIOLA S 47017	VITAL N 15014	VOCKROTH J R 73681	VOITOV P I 15130	VOLLOZINA N V 95153	
VIOLA S J 7127	VITALIS G 106242	VOCKROOT D C 7955	VOJNOVIC Z 80132	VOLP P 77623	
VIOLANTE P 58677 65460	VITALIS S 18677	VODA E 29847	VOJNOVICH Z 25547	VOLPENHEIN R A 19360	
VIOLOT R 89954	VITANAZA F 4776	VOVARICI C 19059 24710	VOKAK R 45276	VOLPI B 31265 41379	
VIOLOVICH N A 66558	VITANOV M 100511 100512	VODEL W 12750	VOLAND M 33017	VOLTER V 5837 33601	
53596	VITART J 59453	VODENICHAROV D 46966	VOLANTI U 32335 51629	VOLTZ C W 102250	
94245	VITAS G 40741	VODENICHAROV D G 8630	69028	VOLYNETS A P 9912	
VIOR C 62913 62928	VITAS K I 14333	VODENICHAROV I 40093	VOLAROVICH M P 49659	VOLZ M D 16258	
103307 73330	VITE J P 33116 94470	101883	VOLCANI R 51958 62810	VOLZHENIN B S 13739	
24604	VITEZ I 99110	VODNANSKY J 91781	103125 47459	VOLZKE H 15085	
VIPPER P B 17562 58197	VITEZ P 23473	VODNYANSKY R 74066	VOICHEK YA A 64377	VOMEL A 40095	
VIPPERMAN P E 82910	VITKOVSKI Z 53040	VODOZ J 56040	VOLCHKOV YU A 105780	VOMEL V 12231	
VIR D 9047	VITKOVSKII V L 37808	VODRET A 107781	VOLCHKOVA V V 29971	VONSATTEL M 5004	
VIRAG A 49509	67767	VOELCKER D J 15567	VOELCKSIK H 57461	23474 83676	
VIRAKTAMATH C S 55105	16474	VOELKER H 82133	VOLD E 25887	VON ALTHEN F W 80993	
55114 55115	26322 66253	VOELKER S W 17056	VOLDBY J P 87972 66654	VON BERGEN W 34637	
VIRANKO M 62672	69324	VOELKER W A 24716	VOLF V G 28246	VON FINTEL R G H 54030	
VIRANYI S 38865 94348	VITRY F DE 19219	VOELLER B R 19220	VOLFF R 44681	VON HOLDT M M 59070	
VIRAT B 4386 104912	VITTEK J 14306 63768	68427	VOLFKOVICH S I 76942	VON HORST L 74671	
104913 104914	VITET N 77314	101354	78904	VON REPPERT R L 70897	
VIRAY M S 14247 23453	VITTORIA A 90740	VOELLER J R 101354	94027	VON RUDDOFF E 51282	
VIRDI S S 49638	VITTORIO-ZANOTTI 101630	VOERTMAN R F 87332	92368 92369	VON TUNGLIN G 57065	
VIRENDRASINGH M 66055	A	VOETEN A C 93382	2004	VON-ABRAMS G J 1904	
VIRGILLITO G 73779	VITTOZ R 103374	VOETS J P 68251	2004	10076	
VIRGIN H I 78846	VITTRUP J 19773 28883	VOEVODIN A V 2063	VOLGIN V I 53225 63903	VON-BARGEN K 74123	
VIRGIN W 67642	39071	VOEVODIN A V 2063	79106	VON-BERGEN W 25270	
VIRGINY G DE 85705	VITTUM M T 1250 20941	VOEVODSKII S 33682	VOLIN L 65356	34636 34638 34639	
VIRKKI N 14576 18674	27598	VOEVODSKII V S 86529	VOLINTIR V 62929	VON-BORSTEL R C 14820	
23626 23910 53294	VITUMS A 3905	VOGE M 41795 63979	VOLK G M 40094 91405	14828 105540 105762	
VIRKOLA N E 21597 21633	VIVANCO F 43888	63980	102293	VON-BRAND T 42017	
81497 102980	VIVANCO-BERGAMIN F 98381	99664	88206	VON-CLEMM H 97787	
VIRLEV I 91320	VIVANCOS GUERAO I 59905	4428	68596	VON-ELBE J H 55102	
VIRO P J 50755 70331	VIVANCOS-GUERAO I 29133	VOGEL D 4000	98918	VON-GUNTEN R L 74970	
VIROLI G 59335	45456 90576	VOGEL E 10560 38921	48474	VON-MALTZAHN K E 100004	
VIROT R 8767 88315	VIVANI W 71067	VOGEL F 10560 38921	102955	VON-RUDLOFF E 1440	
VIRSHUBSKI M 40309	VIVAS B G 35727	VOGEL G 5955 12926	50170	VON-ABRAMS G J 1904	
VIRTANEN A I 19359	VIVAS BERTHIER G 67027	16859 26577 39417	2751	10076	
19405 22127 28384	VIVEIL J 108757	39418 43811 43830	47693	VON-SYDOW E 45101	
41557 48361 49822	VIVES-FERNANDEZ L 14740	45472 48472 49288	60695	75278 75280	
55452 78920 79072	A	50349 53734 54015	13890	VON-TUNGELIN G R 25331	
92366 106585	VIVIAN G W 86250	64697 76653 79075	104815	VON-TUNGELIN G 6844	
VIRTANEN P 21680	VIX H L E 26070	95887	27578	VON-TUNGELIN G R 25454	
VIRUPAKSHA T K 1438	VIZITIU V 82569	VOGEL H A' 67507	98646	26495 34753 87688	
VIRVILLE D DE 79073	VIZJAK M 8498	VOGEL J 44620 75221	60017	VON-VERNUTH R 24280	
17625	VIZLER E 106243	90577	8139	VON-WICKLEN J H 42898	
88044	VIZOSO M 47139	VOGEL J M 48032	53803	VON-WINDEGUTH D L 93999	
VISALAKSHMI V 182	VIZY L 92954 104550	VOGEL O 102563	48589	43184	
67925 88491	VLACHOS K 31663 32200	18053 18688	76011	95262	
103639 104415	51609	78239	87598	VONDRACEK M 67908	
VISAN E 10384	26956	26045	1252	VONDREJC J 43892	
VISAPAA A 21560 25120	VLADESCO R 109088	18041 18368	92239	VONDROVA O 1438	
VISCARDI K 74099 107299	VLADIMIROFF B T 61246	26991 62074	106336	VONES F 34953	
107331	VLADIMIROV A 74065	VOGEL S 67884	63362	VONICA I 15896	
VISCHER E 69319	VLADIMIROV B 26576	52971	35847	VONTOBEL J 87219	
VISCO S 6520 36378	69956	VOGEL W G 15083 1251	56526	VONWILLER P 76958	
		9363	76362	VOO E E VAN DER 57668	
			69119	67912 77235 88455	



VOD E E VAN DER --CONT	89052	VOSTOKOVA E A VOSTOKOVA YE A	18476 88204	VUOKILA Y 21162	21210 50819	WADDINGTON C H	14693 58361	WAGNEROWSKI K --CONT	55958 55959	55958 66255
VOORBURG J H	96029	VOSTROGOVA E N	25768	VUORI P	30520	WADDINGTON D V	50173	WAGNON H K		86501
VOORDE J A VAN DER	95907	VOSTRIKOV N A	5744	VUORINEN J	60420	WADDINGTON J T	77834	WAGNON K A		68298
VOORDE P K J V D	80212	VOSTROV I S	80133	VUOTO V	90470	WADDINGTON L G F	38471	WAGRET P	76484	31228
VOORDE P K J VAN DER	20530	VOSTRUKHIN N P	10561	VURBANOV TS	45942	23531 33029	14905	WAH P O		108012
VOORDE P K J V D	80212	VOSTRUKHINA T M	67769	VUSTINA U D	3207	59300	15808	WAH Y I		5083
VOORDE P K J VAN DER	20530	VOGT P K	22682	VUYST A DE	25110		15808	WAHBA J		91613
VOORDEES J J	27356	VOTH J	22171	VUYST A DE SEE	71708	WADDY B B	79239	WAHBA Y I		7176
VOORDEES W M	27955	VOUTH W	59611	DEVUYST A		WADE C F	90108	WAHID A		22031
	79985	VOUTH W	58360	VUYST A L DE		WADE C P	76654	WAHID M A		69325
VOORHEIS M	7677	VOVINTSEV K K	58198	VVEDENSKII E M	57239	WADE E K	13975	WAHIS R	14843	14844
VOORHIES E C	56934	VOTYAKOV V I	14074	VVEDENSKY G	40431		25207	WAHL G		6760
VOORHOEVE A G	60916	VOUGHT R L	64773	VYAS H K	96099		77545	WAHL I		68153
VOORN H	51277	VOUKASSOVITCH P	32803	VYAS H N	23215		77624	WAHL L F		63787
VOORRIPS A	98799	VOUKITCHEVITCH Z	4011	VYAS L C	5190			WAHL O	73445	77857
VOORRECK M L	6401		22467	VYATKIN S K	100006			WAHL S G		64119
	25529	VOUTE A D	73119	VYAZOV A A	108076			WAHLEN H	17445	27588
VORBRUGGEN H	38521	VOUTE E J	13791	VYAZOVIKOVA V	22276			WAHLGREN E	15321	15322
VORIS J C	62786		93384	VYDORIN YU V	59454					98574
VORIS L	6002	VOVAN L	958	VYLE L R	101134			WAHLGREN H E		61597
VORIVODA V	78850		1320	VYLEGZHANINA G F	101589			WAHLIN B	14157	14329
VORNKAHL W	84255	VOVCHENKO F YA	27880	VYNCKE A	34284					23267
VOROBEG G I	25832	VOVK A M	94583	1636 48919	54239			WAHLROOS O		79072
VOROBEG M A	103897	VOVKOGON V	77785		1635			WAHN R		86687
VOROBEG M M	83277	VOYLE C A	7130	VYPLEL K	48920			WAHREN D	61487	61500
VOROBEG S A	2501	VOYSEY A	101894	VYZHIKOVSKAYA A	50172			71507	81503	81519
50171 89898	93383	VOZNESENSKII K N	79863		91669			WAIBEL P E	13474	62774
VOROBEGA G A	78851	VOZNYAKOVSKAYA YU	48478	VYSHEPAN E D	5481			WAID J S	9827	11618
	89139	M	48479	VYSIIVKIN D D	77938			17879	20757	27863
VOROBEGA G I	38203	VOZNYUK S T	39760	VYSKOT M	102758					57772
VOROBEGA L M	19433	VOZHINSKAYA V B	99807	VYSKREBENTSEVA E	19222			WAIDE Y		4328
VOROBEGA Z G	52765	VOZZO J A	100005	I	78855			WAIR R L	20316	77660
VOROBTSOVA I E	33208	VRAKIN V F	12754	VYSLOUZIL L	14486			77836	99269	100513
VORONEVSKAYA V YA	28437	VRANA D	78225	VYSNIAUSKAS A	2502			WAINES R A		73176
	28438	VRANG C	75706	VYSOKOS G P	1536			WAINMAN F W		12848
VORONIN A P	76233	VRANKA J	62412	VYSOTSKAYA P F	67999					72142
VORONIN E S	82298	VRANKY J	29582	VYSOTSKII P N	33687			WAINSTEIN B A		63904
VORONIN I V	71068	VRBA C	72627	VYSOTSKII V G	9408			WAISEL Y	18678	57562
	83278	VRBA J	56487	VYTHILINGAM M K	47577			WAISMAN G		74815
VORONKOV I	97135	VRBA M	42062	VYTHILINGAM S P	70225			WAITE P J		77094
VORONKOV N A	78852	VRBENSKY V	66865	VYVALKO J	38524			WAITE R	31229	48481
	102518	VREE J DE	41827					72114	93604	93624
VORONKOVA M N	75192	VREEKE S	1633					WAITES G M H		52386
VORONKOVA T	106489	VREJBA S	56113					104585	104586	
VORONOVA A	70034	VRIE A VAN DE	15236					WAITES R E		55016
VORONOVA T G	10119	VRIE M VAN DE	32862					WAITZ		43500
VORONOVA V G	35338		37078					WAKABAYASHI H		6095
	78853	VRIEND S	20197	WAAG W	67012				25425	85706
VORONOVA Z A	61885	VRIENS A N J	84771	WAAGE H	17360			WAKABAYASHI M		32555
VORONOVICH N D	92592		97788	WAAG G	15182			WAKAHAMA K	64057	95104
VORONTSOV A I	32920	VRIES B DE	26145	WAAL J VAN DER	32297			WAKAMATSU M		33667
68088 68089	68090	VRIES D A DE	19221	WAALER O	39313			WAKANKAR S N		28735
VORONTSOV A T	24088	49660 49661	49664	WAARD R VAN	97687			WAKATSUKI S		33945
VOROPANOV P V	71070	VRIES E DE	54089	WAAS O	54270			WAKAZAWA T		2988
VOROS A	77067	VRIES G DE	4479	WAASDIJK T VAN	20942			WAKEEM A A		63517
VOROS J 426	12299	VRIES H A DE	43523	WABECK C J	22578			WAKEFIELD G R		79632
	57873	VRIES J DE	21934	WABERSICH R	78071			WAKEFIELD J W		2559
VOROSHILOV N V	93037	VRIES J S DE	11512	WACHACKI B	40781			WAKEFIELD P		96031
VOROSS L ZS	90469	VRIES M P C DE	29972	WACHENDORFER G	4596			WAKEFIELD R C		29375
	98800	VRIES O DE	94584	13132	22995					34480
VOROTYAGINA L D	68967	VRIES P G DE	80994	WACHNACHTER W	35643			WAKELEY P C		102760
VORREITER L	21535		81077	76153 84888	85052			WAKELIN D		62798
	41180	VRIES T DE	84425	WACHNIK Z	3712			WAKELY S	43304	43305
VORS J	30939	VRIGASOV A	3574	WACHOWIAK E	25769				73682	73800
VORSATZ E	60003	VRIGNAUD Y	85255	WACHOWICZ J	34225			WAKERSHAUSER K W		75483
VORSTER J A	106358	VRINCANU V	10302		88670			WAKHLOO J L		58200
VORSTER J K	12790	VROEGENDWEIJ P	53508	WACHOWITZ H	45739			WAKIL A A	25271	107205
VORSTER P J	50351		95549	WACHS W	66058			WAKIMOTO S	18261	75151
VORSTMAN A G	8449	VROMAN H E	95560	WACHSMANN F	1253			WAKIN A T		9160
VORWERK J	35971	VRONSKII V A	8631	WACHSMUTH F	45619			WAKIYAMA S		35729
VOS H 79345	82049	VROOMEN F	54910	WACHTEL C L	79631			WAKIZAKA F		38473
VOS J DE	100320	VRUGTMAN F	39312	WACHTEL T	85750			WAKKARY J A		48572
VOS M A DE	87633	VRUDAGH J M	14577	WACHTER G R	74974			WAKOWSKI S		31699
VOS M P M 41458	71979	VRZGULA L	43047	WACHTER H	40677			WAKSMAN S A		26801
	92260	VSETECKA K	98544	WACHTMEISTER C A	19353			WAKUI M	29874	33602
VOS N DE 13310	32296	VSEVOLODOV E B	601	27645	19353			33603	33604	33605
VOS N M DE 60334	68091	VSYAKIKH A S	71980	WACK F G	34754				33828	43556
	69121	VU Q T	76363	WACKER F	89053			WAKUI T		33733
VOS--TOT--NEDERVEE-- N--CAPPEL	57249	VUAILLE J	67386	WACKER G 3775	96704			WAL U P VAN DER		79059
VOSA C G	58359	VUATRIN B	44800		14894			WALAS S	53901	53902
VOSAMAE H	69933	VUCETICH C G	49907	WACKER H	58077			74184	74185	74266
VOSBERG A R	32971	VUCIC D	32191	WACKERMAN A E	81340			WALASEK A		43653
VOSE H H 10905	10945	VUILLAUME	94247	WACLAWSKI R	95955			WALBAUER G P		43306
	44683	VUILLAUME R	3299	WACQUANT C	54016			WALBECO		75745
VOSE P B 10121	48476		63514	WACQUANT G	78856			WALBRAN W I		47545
	78854	VUINSHTAIN A	25989	WADA B	27646			WALBURG H E		82498
VOSE P G	10120	VUITTENEZ A	9259	WADA E M	13070			WALCHER D		104195
VOSKANYAN V E	48477		77942		62392			WALCHLI O		61376
VOSKOBONIKOV V M	92593	VUJICIC I	34346	WADA G	19186			WALCOTT J	32548	42953
VOSKOBONIKOV V M	13168	VUJICIC I F	6521	WADA H	4014			WALCZAK C		52566
VOSKRESENSKAYA G	19694	VUKASINOVIC S	29466	13573 13617	22475			WALCZAK W		19084
		VUKASOVIC P	32646	91896	93558			WALCZAK Z		34992
			105597		96705			WALCZYNA J		29583
VOSLOH C J 6582	6583	VUKELIC E	31664	WADA J	29134			WALDBAUER G P		42894
VOSLOO W A 4621	5932	VUKMIROVIC V	90800	WADA K	28556			WALDEGRAVE E		97789
	23014	VUKOV K	16475	48480	82501			WALDEN C C		102933
VOSS E 15714	33129		97482	WADA M	26867			WALDEN D B		100520
	42729	VUKOVIC V	62550	WADA S	96030			WALDEN F		46926
VOSS E G 8140	37568	VUKOVITS G	49099	WADA T	63797			WALDEN G		39314
46911 46925	67885	VULCHEV P	52337	WADDELL A B	5047			WALDEN R K		54911
	109198	VULCHEV V	29095	WADDELL A H	71833			WALDERN D E		72115
VOSS G 42449	73118	VULCHINKOV V	78329		72305					72118
VOSS H 16860	16861		79215	WADDELL C K	7547			WALDHALM D G		52481
VOSS J	65132	VULEV S	8653	75910				WALDHAUS W		107869
VOSS J S	7560	VULEV V	102543	66254				WALDHER J T		99373
VOSS L	26200	VULIC M	59415	67637				WALDICUK M		102984
VOSS L A	66066	18369	37483	22664				WALDMAN W R		106490
VOSS T	47184	VULIKHMAN A A	34229	3993				WALDMANN O	31479	31480
VOSSSEN T 60004	86779			WADDELL D B	108552			WALDO A D	16653	64036
VOSTAL Z	105072			WADDELL D G						56137
VOSTERS J	101356			WADDELL G H						31374
VOSTINARU N	80349			WADDELL S B						

ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
WALDREP M J 78859	WALKER T J 14938	95592	WALLIS J R 71334	81341	WALTON A J 70879	WANGAARD F 21489	ITEM
WALDRIP W J 51811	WALKER T M 63383		WALLIS L W 38224	101884	WALTON C R 8378	WANGAARD F F 30733	
WALDRON I 53362	WALKER T W 29584	40096	WALLIS R L 59746	39560	WALTON G 13264	81499 81621 102944	
WALDRON L J 79986	WALKER V C R 3906		WALLIS R L 32804	59746	WALTON G A 94796	WANGBOONKONG S 52900	
79987	22383	82424	WALLIS W R 37158	32804	WALTON H V 4245	WANGERIN A 11683 33606	
WALDRON R M 21260	WALKER W M 91138		WALLMAN H 98803	37158	WALTON J 98804	43582 43725 84558	
WALDRON W G 94248	WALKER W P 16608	108164	WALLMEN A 41668		WALTON L 42775 100988		
WALDRUP P W 4111	WALKER-LOVE J 13196		WALLNER H 61335	41668	WALTON L B 59277	WANGMARK S 75870	
8478 22622 31818	WALKINGTON D L 98764		WALLNER W E 42785	61335	WALTON P D 90109	WANIBE C 19576	
41920 41945 41994	WALKLEY L M 5482		WALLNOFER P 15394	42785	WALTON R R 73273	WANIEK J 106889	
62762 62775 93165	WALKOFF C 871 2001		43936	15394	WALUNJAR W G 11637	WANJURA D F 69498	
104269 104299	49391 58470 58673		WALLOT L 22461	64893	WALUNJKAR W G 40097	WANKA F 69327	
WALDSCHMIDT LEITZ 65766	WALKOWIAK H 90741		WALLS I G 43812	22461	15883	WANKIER F T 72898	
E	WALKUP H G 24091	84441	WALLWITZ G VON 8501	43812	73473	104590 104747	
WALDSCHMIDT M 12791	WALL A A 108738		WALLWORK J A 53226	8501	25045	WANN E V 27776	
41473	WALL D HE 85707		53226	53226	83089	WANNAN J S 72213	
WALDSCHMIDT-LEITZ 7073	WALL E 7548	75911	WALLWORK J H 53227	94795	21198	WANNBRO A 108417	
E 65766 86054	WALL G VAN DER 62414		WALMSLEY A 1907	94795	35211	WANNER H 79077	
WALEN K H 22996	WALL I 84107		WALMSLEY D 11557	1907	100203	WANNOP A R 57339	
WALENDZIK J 50764	WALL J S 16118	25566	WALNE P L 98805	11557	22853	WANSTALL P J 77292	
WALES H G 96150	WALL T A 93646		WALOFF N 33290	53295	64326	WANT G 58362	
WALES R G 22843	WALLACE A 38527	48482	WALOFF Z 73742	53295	85893	WANT J P H VAN 18370	
32201	WALLACE A F 5881		84204	73742	102814		
WALEY F R 39142	WALLACE A T 78119		WALOFF F 98625	84204	66059	WANT T S C 90898	
WALFORD R L 42791	89317 89476 100760		WALPER F 95357	98625	95957	WANTANABE I 64698	
WALGENBACH D D 65198	WALLACE B 5333 5334		WALRECHT B J J R 95358	95357	1062	WARAKOMSKA Z 42832	
WALGER J 78860	27647 96123		WALRECHT J J R 5005	95358	59369	WARBOYS I B 95908	
WALI B K 79076	WALLACE C A 31230		64238 94986	5005	24494	WARBURG E F 26809	
WALI M K 27428	108480		WALSCHOT L 70422	59551	64442	WARBURG M R 73548	
WALICORD A 60165	WALLACE C R 103998		WALSER K 12946	70422	74133	WARBURG O 1441 19225	
WALKDEN S B 11228	WALLACE D B 7634		22312 51815	13170	88207	28250 28400 36489	
WALKER A 12435	7911 56055 97790		WALSER R 15660	62467	97930	100516	
WALKER A C 41931	WALLACE D R 30690		WALSER V 85341	92595	62764	WARBURTON B 26216	
WALKER A H 30476	64170		WALSCH B 55747	12069	12040	WARCUP J H 88554	
WALKER A I T 82831	WALLACE G M 6402		WALSCH F W 27247	12040	8351	WARD A 7105	
82832	6403 106896		WALSCH J C 44384	8351	108650	WARD A B 98333	
WALKER C H 52739	WALLACE H A 56021		WALSCH J D 94176	108650	91001	WARD A D 80652	
WALKER C M 80846	WALLACE H A H 4826		WALSCH J N C 73029	91001	95037	WARD A G 25877 25888	
WALKER C O 21440	70172 77749 77837		WALSCH L M 30073 101895	95037	105104 105728 105781	WARD A H 52217	
WALKER C R 49510	70173 77236		WALSCH R G 21034 34954	105104 105728 105781	28709 28821	WARD A L 42899	
WALKER D 13360	72236 32396 42269		44962 55358 102350	28709 28821	48921 90895	WARD C A 54584	
WALKER D A 34452	92594 82953 93808		45424	48921 90895	91201 103370	WARD C L 14694	
WALKER D B 75746	104797 104798		WALSCH T 54241	91201 103370	70401 104931	WARD C M 93141	
WALKER D E 38027	WALLACE H R 88952		WALSCH W C 23177	104932 106294	104932 106294	WARD C P J 62676	
WALKER D E K 13216	WALLACE J B 63518		WALSCHAW D 27251	95821	95821	WARD C Y 69601 69928	
103944	WALLACE J C 12814		WALSHE M J 12900	95821	38474 106159	100988 102055 102367	
WALKER D F 3713	72540 82736		WALSLEBEN J 75484	38474 106159	67913	WARD D 51105 102891	
WALKER D I T 48996	WALLACE J D 69029		WALSTEOT I 79216	67913	81401 90225	WARD D A 82126	
WALKER D J 71720	72095 82012		WALSTROM R J 42644	81401 90225	46687	WARD D B 17810	
WALKER D K 51723	82111 82134		46634	46687	83809 102814	WARD D B K 102177	
WALKER D M 42146	WALLACE J M 42694		WALT J P VAN DER 8884	83809 102814	60529 93870	WARD E W B 48484 48645	
WALKER D R 19851	WALLACE J O 20198		WALT N VAN DER 12849	60529 93870	105025	WARD F L 108938	
WALKER D W 95550	WALLACE L E 63588		WALTER 88047	105025	105074	WARD G H 16927	
WALKER E A 11119	WALLACE L K 54593		WALTER B 60261	105074	59265 100545	WARD G M 12897 40098	
WALKER E H 11827	WALLACE L R 52407		WALTER B C VAN B 74732	59265 100545	94797	68820	
WALKER F 23641	WALLACE L T 26486		85254	94797	101956 105074 108351	WARD H K 104766	
WALKER F E 75529	45740 75960		WALTER E 52607	101956 105074 108351	12429	WARD J 90386	
WALKER F S 61401	WALLACE M E 62677		WALTER E D 22683	12429	99254	WARD J A 39893	
WALKER G 19434	WALLACE M M H 14158		85555	99254	105866	WARD J B 31873 73064	
WALKER G J 52482	WALLACE N M 73240		WALTER E V 83354	105866	101685	WARD J C 8417 44705	
WALKER G O 70384	WALLACE O 3714		WALTER F 2972 11973	101685	11216	90742	
WALKER H 8303	WALLACE O P 21490		11974 18679 60871	11216	90573 100007	WARD J M 44527 54918	
WALKER H J 28578	21505		80957 108350	90573 100007	100296 102065	WARD J R 77838	
WALKER H W 66290	61384		WALTER H 76364	100296 102065	66399	WARD J T 17001 24500	
WALKER I 32952	59092		77290	66399	55116 100323	WARD J W 6354	
WALKER I K 84106	WALLACE P S 59092		WALTER J 14894	55116 100323	40310	WARD K 85046	
WALKER J 54912	WALLACE S D 30236		WALTER J M 20199	40310	100544	WARD M 744	
WALKER J K 8883	WALLACE T 57338		58918	100544	21806	WARD P 99255	
WALKER J C 434	WALLACE W 38327		WALTER L 56524	21806	WANG H F 102125	WARD P F V 38645 51489	
37157 37348 37396	WALLACE W H 6096		6229	102125	WANG H J 102102	51592 104726	
37415 37830 77626	WALLACE W R 96450		WALTER M 65187	102102	WANG H K 87795	32733	
WALKER J K 14108	WALLANDER J 21388		WALTER P 61911	87795	WANG I C 102814	WARD R A 32647 80010	
WALKER J N 3025	WALLBANK A M 52297		7674 19441	102814	WANG J H 95756	WARD R C 70174 70175	
33916 54017 64663	WALLEGHEM P A VAN 63037		WALTER R D 6522	95756	WANG J K 74125 85170	WARD S 13432	
64664 74237 84710	WALLEN B 74910		WALTER R J 102251	85170	WANG J Y 67658	WARD T L 97264	
106491 106492	WALLEN C C 69122		WALTER T L 19575	67658	WANG K 93945 106073	WARD W E 28155	
WALKER J P 12997	WALLEN V R 8973		69449 79217	106073	WANG K S 150	WARD W H 25205	
22723 93528	77866 99564		WALTER U 65658	150	WANG K T 19435 36535	WARD W T 80213 87301	
WALKER J R L 48644	WALLENBERG E 6159		WALTER W G 38626	36535	40311	WARD W W 12043 50685	
69326 107312 107313	WALLENFELDT E 34395		108047	40311	105025	WARDEN J 25918 55492	
WALKER J T 27775	WALLENFELD E 21603		WALTERMANN F 6230	105025	95106	WARDEN J C 11638	
WALKER J W 52296	WALLENUS E 69303		44385	95106	102761	WARDEN W K 15218 31874	
WALKER K 20089	WALLENUS H D 25111		WALTERS C L 55456	102761	37156	WARDER F G 50068	
WALKER K B 10882	WALLENSTEIN H D 25111		WALTERS C S 40863	37156	76095	WARDHANAWSIN A 48762	
WALKER K C 49824	26325 45347 45348		51202	76095	8304	WARDLAW C W 745	
WALKER K E 55000	WALLENTA W 108217		WALTERS F 43501	8304	95552 106010	746 951 46811	
WALKER L C 21118	WALLER G R 19318		WALTERS F E 7337	95552 106010	106059	69123 98647	
50M20 60855 76945	77866 99564		51947	106059	87924	WARDLAW I F 48300	
81081 91000	100514 101166		55748	87924	40864	WARDLE G F 1637	
WALKER M 60528	11795		WALTERS H 7814	40864	81528	WARDLE N J 73924 76946	
WALKER M E 70649	WALLIN D E 11795		WALTERS H E 35730 66730	81528	94250	WARDLE P 18477 26783	
WALKER M L 27331	WALLIN J 1537 100871		86928	94250	100515	26829 27388	
WALKER O L 26780	WALLIN J R 8974 88837		WALTERS J 37484	100515	100035 105944	39881	
WALKER P 10883	WALLIN T 71071		42645 101011	100035 105944	101167	WARDLE R N 3301	
66904	WALLIN W B 61574 91685		WALTERS H K 60504	101167	5581 39420	WARDLAW S 77981	
59907	WALLING H C 94249		WALTERS H M 107419	5581 39420	102066 105598	WARDROP A B 99853	
63516	WALLIS C S 36757 36759		WALTERS J 81185 91444	102066 105598	106134	WARDROP I D 62148	
WALKER P H 2299	WALLIS C T 59318		WALTERS M S 743	106134	106135	WARE G W 14149 23033	
29644	WALLIS E 51430		WALTERS N E M 77486	106135	103510	WARE K D 21105	
WALKER P T 94349	WALLIS G W 99526		WALTERS R E 75797	103510	92596	WARE L M 29833 29919	
105073 105239	39576 53827 53828		WALTERS R J K 58753	92596	90897	96955 101265	
WALKER R 44526	84587 91180		WALTERS R S 12139	90897	101896	WARE-AUSTIN W D 12927	
WALKER R B 19224			WALTERS S M 17627	101896	28249	WAREING P F 9738	
WALKER R E 51611			17628 26909	28249	64695	10003 61179 61180	
WALKER R F 98006			WALTHER A 100691	64695	29523	68818 69117 78783	
WALKER R G 51517			43724	29523	108499	100517	
WALKER R L 72438			WALTHER C C 53664 53665	108499	99901	5440 63605	
WALKER R T 2620			74124	99901	53228	26453 26868	
WALKER R W 35317			WALTHER S 65938	53228	72582		
WALKER S D 32217			WALT K 65767	72582	42954		
			WALTON A 11311	42954	89990		



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
WARING R H 58201 89055	WASICKY R 67886 77025	WATKIN J E 60532 70655	WATTS B N 24374	WEBBER L R 11225 50394	WEBER A 5006 46621
WARING R T T 30315	WASILEWSKI J 4112	WATKINS C C 55065	WATTS D G 20944 20945	WEBER A 57340 77022 83677	WEBER A D 97077
WARING S A 39813 80082	41946 52061 62989	WATKINS G M 19113	WATTS H R 20018	WEBER A F 3715	WEBER C 55601 57664
WARKENTIN B P 48012	82857	WATKINS H S 25442	WATTS J B 25337	WEBER C 55601 57664	88413
WARLEY T K 44030	WASILEWSKI Z 55208	WATKINS J A 94449	WATTS J O 75201	WEBER C I 100519	WEBER C L 26025
WARLIN B 10122	WASLEY W L 6682 55208	WATKINS J C 53384	WATTS L E 49392 49393	WEBER C R 19695	WEBER D F 18234
WARMBROD J G 30562	55212	WATKINS J F 95360	58471	WEBER E 13792 32287	33634
WARMENHOVEN I B 26580	52218	WATKINS J L 62009	WATTS L H 17489 27119	WEBER E J 78865	102245
26581	97484	73001	56894 76539	WEBER F 41474 41475	106893
WARNE J M 101357	WASMUND R 108219	49032	WATTS L R 90970	WEBER F P 73333	73333
WARNE L G G 67709	WASMUND S 52398	90264	WATTS R M 71836	WEBER G F 27583	101266
WARNE R 101358	WASOWA D 82233	67197	WATTS W A 88208	WEBER G L 87342	57485
WARNECKE B 97024	WASOWICZ S 6231 54333	69450	WATTS W S 23074	WEBER H 47823 57485	108481
WARNECKE G 27550 43307	WASOWSKA S 33067	79219	WATWOOD R P 95929	WEBER H S 75727 97251	107758
67567	WASS W M 72306	86660	WAUGH D L 10127	WEBER H W 49767	83156
WARNEKE J E 79974	WASSEL G 58988	30057	WAUGH F V 45440	WEBER J A 89520	95108
101679	WASSENAR L M 19884	53229	WAUGH R K 31211	WEBER N A 5483 5484	33349
52408	39119 59634 59661	58921	WAUTERS 34688	WEBER N M 101359	74831
71835	59662	22162	WAUTHOZ L 30270	WEBER P 104333	14696
WARNER A C I 104910	WASSER C H 48900	68232	WAVE H E 23704 63596	WEBER R E 83475 102400	62415
WARNER C E 1674	WASSERBURGER H J 8975	103843	WAWERU E S 80968	WEBER T B 5007	62416
WARNER D T 47556	77627 88672	3560	WAWRA H 96728	WEBER V 5007	62416
WARNER J L 14223	WASSERFALL F 24837	3586	WAWRKIEWICZ J 93896	WEBER W A 47019 67949	13171
WARNER J N 48994 48997	WASSERMAN A E 35368	16595	WAWRKIEWICZOWA K 21866	WEBERLING F 58364	99256
WARNER J R 2752 21153	55960	40993	WAWRZYNCZAK S 31231	WEBLEY D M 11436 29540	32765
80918	26869	71212	2064	WEBLEY D P 32765	97485
WARNER K 67201	WASSERMAN J N 14695	59396	WAX L H 21936	WEBSTER A B 10995	102068
WARNER L B 19286	WASSERMAN M 41879	25570	WAXBERG H 1255	WEBSTER A J 69935	61319
WARNER L C 10123 59939	WASSERMAN R H 44978	47879	WAXLER G L 83090 104195	WEBSTER C G 42900	85375
WARNER L T 32934	WASSERMANN M 97093	69416	WAXMAN S 1255	WEBSTER F C 24445	54635
WARNER M G R 44974	WASSINK E C 1254	103511	WAY D W 79494 79520	WEBSTER G L 747	17811
WARNER N L 104461 104462	WASSINK J G 6006	69125	WAY J M 27649 49272	WEBSTER G L 17811	2575
WARNER R E 94987 94988	WASSMUTH R 52385 52398	69126	WAY R D 78229	WEBSTER H 55961	96397
WARNER R G 16928 25894	92262 93598	52758	WAY W 40099	WEBSTER H H 2304	50640
41561 72227 82417	90784 92590	10884 107994	WAY W A 91359 91407	WEBSTER H L 28646	100964
82804	WASSON R G 49549	80083	WAYBURN E 102418	WEBSTER J 89238	99945
WARNER R M 65552	WASSUMUND R 25990	90080	WAYKOLE P 45018	WEBSTER J E 19436	68335
WARNES D 46259 46349	WASUWAT S 58876	99007 100010	WAYLAND R L 34641	WEBSTER J M 68335	99728
WARNES D D 19226 38704	WASYLIK K 37809	20317	WAYMAN C H 73085	WEBSTER M E D 32298	52484
WARNES D O 100783	WASZCZENKO-ZACHA-RCZENKO E 84108	20780 20781	WAYNE J K 92090	WEBSTER M W 45196	38704
WARNHOFF E W 24876	WATAHARA T 28909	21506	WAYNE R W 62149 72117	WEBSTER O J 69431	4677
WARNICK A C 31529	WATANABE A 78863	65296 75152	WAYNE W J 87335	WEBSTER R C 87220	89239
63168 71990 81989	WATANABE B 93257	9161 9631	WAYTE M E 102285	WEBSTER T R 73908	71072
92187 92261 104588	WATANABE C 73780 84108	47413 90081	WAZNY J 10128	WECK J 40712 71072	7160
WARNICK R E 41912	WATANABE F S 20453	105541	WE 105137	WECKEL K G 6765	54334
WARNOCK B H 98910	29456	59556	WEAR J F 63728 94490	WECKENSTEN P 71213	12351
WARNOCK J E 108605	36297	69602	WEAR J I 2178	WECKING R T 69081	4552
WARNOCK R E 11639	WATANABE G 19227 23481	97791	WEARMOUTH W G 6471	WEDEL D 108554	26146
60530	27435 33917 35406	43388	-24791 54687 107060	WEDEMMEYER G A 26146	79359
WARDOWNY B 74733 106948	35848 35849 36298	73907 106111	WEATHERLY N F 32011	WEDIN W F 48723 79359	92597
WARREN B C S 14906	41181 58920 79445	52770 47879	WEATHERS C R 53756	WEDROWSKI T 92597	90985
WARREN C C 8305	83903 97399 97532	70802	76366	WEEKS S B 39761 90985	4030
WARREN C J 56351	103020 105479 105480	104623	WEATHERS L G 18283	WEEKS L T 11217	1164
WARREN D K 78029	105643	6804	18371 37485	WEEKS L V 67640	94811
WARREN D M 58928	WATANABE I 18331 28558	3418	WEATHERSBY A B 5369	WEEKS M G 26720	108352
WARREN DE 67196	29849 29973 39812	104574	106082	WEEKS O L 90832	79628
WARREN E P 107599	60227 101815	36681	WEATHERSPOON H H 96846	WEEKS R H 74734	41511
WARREN E W 22585 22684	WATANABE J 43964 86929	72007	WEAVER A D 51691 92891	WEEKS S B 35850 75969	58878
WARREN F S 1638 28557	WATANABE K 1097 91445	91819	WEAVER B 103372	WEEKS W D 4289	3419
38783 38840	94600 97303 97395	101184	WEAVER B M Q 22353	WHEELS M E 38034	99666
WARREN G F 70102 70176	97396	50176	WEAVER C R 52354	WEENEN A 38034	99666
100170 101590	WATANABE M 3702 4226	58363 79633	WEAVER E 22111 24790	WEERARATNE V 99666	50177
WARREN J 12751	15872 15873 18262	92263	WEAVER E C 78379		
WARREN J F 61049	18263 45366 62717	80448	WEAVER E J 60811		
WARREN J J 76382	81120 93385	21040 78228	1513		
WARREN L O 42792 42793	93330 93330	52901 83299	WEAVER G M 872 49101		
WARREN M 578 23134	WATANABE O 172 40655	72794	WEAVER H A 1256		
42550 63520 73138	WATANABE R 69124 99023	35059	WEAVER J B 19583 69477		
83280	WATANABE S 9532 27453	100518	WEAVER L O 371 9067		
WARREN M E 5368	27648 32010 32386	40884	27165 37067 37159		
WARREN R 11120 11121	40783 41324 47830	4329	37160 57856		
19657 29376 39577	81078 90206 94621	81381	68023		
WARREN R G 106060 106061	104376	54132	69708		
106160	WATANABE T 29834 30400	105241	WEAVER N 105471 105472		
WARREN S E 27064	33607 35680 37385	73247	WEAVER O 34021		
WARRSEN E 34640	81529 83977 87599	14778	WEAVER R C 56895		
WARRINER D 76511	WATANABE Y 2132 4429	105143	WEAVER R J 10129 19229		
WARRINGTON E 54112	11312 18680 20470	86388	58922		
WARRNE G F 10936	25427 26839 28253	26846	WEAVER R L 40439		
WARRY H E 23911 23912	78864 105346	80847	WEAVER R S 63788		
WARTBURG A VON 100721	WATANADE H 16301	20824	WEAVERB 42734		
WARTMANN W 75661	WATANAWASIN A 79699	99808	WEAVERB 42734		
75662	WATANUKI M 67387 97400	49100	WEAVERB 42734		
WARTENA L 70789	WATASE H 82585	67496	WEAVERB 42734		
WARTENBERG H 47495	WATERFALL U T 36757	74362	WEAVERB 42734		
48485 74672	96759	2671	WEAVERB 42734		
WARTENBERG L 86148	WATERHOUSE C E 92764	28679	WEAVERB 42734		
86180	WATERHOUSE D F 13984	107141	WEAVERB 42734		
WARTER S L 33296	54242	13650	WEAVERB 42734		
WARTH W 93839	WATERHOUSE F L 53510	72377	WEAVERB 42734		
WARTIOVAARA V 71555	WATERHOUSE G M 8885	60056	WEAVERB 42734		
WARWICK E J 62053	WATERHOUSE J S 14487	63841	WEAVERB 42734		
71978 72116	WATERKEYN L 89164	41842	WEAVERB 42734		
WARWICK W J 21935	WATERMAN A G 81402	64239	WEAVERB 42734		
WARZECHA A 28252	WATERMAN J J 75927	10125	WEAVERB 42734		
WASBAUER M S 95359	WATERMAN T H 14411	10126	WEAVERB 42734		
WASCHER H L 60291	WATERS H J 56352 75532	89237	WEAVERB 42734		
WASHBON W E 22032	WATERS J A 33205	23376	WEAVERB 42734		
WASHBOURN R W 12119	WATERS V F 67639	6851	WEAVERB 42734		
WASHBOURN B 90743	WATERS W B 103371	16034	WEAVERB 42734		
WASHBOURN K W 93349	WATERS W E 58769 59734	25511	WEAVERB 42734		
WASHBOURN L E 82299	60015 60531 63727	91531	WEAVERB 42734		
WASHBOURN O V 51230	77723 90475 90744	14629	WEAVERB 42734		
WASHICHEK J M 40312	94451	95107	WEAVERB 42734		
WASHINGTON A 32119	WATERS W H 92631	72658	WEAVERB 42734		
WASHINGTON G 52730	WATERS W T 25273 65355	31815	WEAVERB 42734		
WASHINGTON L J 26496	85644	69974	WEAVERB 42734		
WASHIZU Y 105782	WATERSON A P 22438	70037 79973	WEAVERB 42734		
WASHKO J B 2449 15155	22685	101405	WEAVERB 42734		
48836 48906 78413	WATIER M 74843	101406	WEAVERB 42734		
WASICKY M 67886	WATJEN H 15183	7212 7224	WEAVERB 42734		
		44611 55507	WEAVERB 42734		



WEERASEKARA D A	9942	WEIHE M	13943	WEISE E	--CONT	83909	WELLER J B	15280	WENG W P	2450
WEERATNE P	44706	WEIHENSTEPHAN	69680	WEISE F		81697	WELLER J D	13909	WENGER H	80848
WEERT T G J M VAN DER	109113	WEIHING J L	68116	WEISE G	17629	48529	WELLER M	63682	WENGER R	67439
WEERENSEIJN W	86190		77840	WEISE R W		35427	WELLER R	61548	WENGLIKOWSKA E	1257
WEERSTRA R	15707	WEIHING R M	19231	WEISEL B W		68492	WELLER R H	17075		60454
WEETH H J	82300	WEIHS L	108048	WEISENBERGER B C		29645	WELLEROP A	2913	WENGRISS J	102543
WEETMAN G F	50686	WEIJER J	28254	WEISER F	30130	50756	WELLERS G	91897	WENIGER J H	93809
WEG M VAN DE	77845	WEIK K L	17868	WEISER H	21905	54062	WELLFORD D S	25220	WENIGER J P	82666
WEGELIUS E	67461		99041	WEISER J	33030	42557	WELLHAUSEN E J	90082	WENK G	21176
WEGELIUS T	71073	WEIK R W	65096		83810	94798	WELLHAUSEN H W	69604	WENK P	40563
WEGENER	54688	WEIL B	47559	WEISER M		83079	69605	70650	WENKERT E	38549
		WEIL C S	34022	WEISER V	16524	17225			WENNEMUTH G	27065
WEGENER G	109202	WEIL F R	49273		26823	27332	WELLHAUSER R	97069	WENNER A M	53089
WEGENER J	16207	WEIL J H	73867	WEISER V L	26822	60456	WELLHOENER H J	25771		84086
WEGENER W	15884	WEIL J K	55646	WEISFLOG H		30131	WELLING E C	106858	WENNERBLOM A	21592
	34642	WEIL M L	97533	WEISGERBER H		91532	WELLINGTON G H	23913	WENNERGREN E B	27027
	65357	WEIL R S	65359	WEISGERBER L		8488	WELLINGTON P S	13837	28789	35964
		WEILAND G	12530	WEISHEIT H		97401		38476	WENNERSTROM S	5976
WEGENER W S			103605	WEISMAN L		37136	WELLMAN A M	68600		10905
WEGER B		WEILAND J	103901	WEISNER E S		41976	WELLMANN	100520	WENNIGER K	84956
WEGERMANN E H		WEILAND P J	59073	WEISS C M		52759	WELLMANN G	74100	WENNINGER H	88812
WEGEMANN S		WEILAND W F	25607	WEISS E	13170	13229	WELLMANN I	32549	WENS H M	67440
WEGGER I		WEILBAKER J	70459		54196	69240	WELLMANN U	22983	WENSE VON DER	2785
WEGGLARSKA B		WEILER E T	107611	WEISS F		89955	WELLMANN U	17456	WENSLER R N	99528
	23776	WEILER F	95958	WEISS H		80958	WELLMANN U	103147	WENT F W	17564
WEGMAYR G		WEILER F J	17002				WELLMANN U	60017	69129	81282
WEGNER H	52338	WEILER J H	8768	WEISS H S		106672	WELLS A L	105242	WENT J C	2247
		WEILER N	60016	WEISS K		72668	WELLS A R	16929	WENTHOLT L R	38858
WEGNER P K		WEILING F	88108	WEISS L C	54861	85275	WELLS C	35313	WENTINK H J	15205
WEGNER R		WEILLE G A DE	9162			107206	WELLS C B	70457	WENTORTH B C	72560
WEGNER R M			10130	WEISS M G		108942	WELLS C E	27358		93938
WEGNER W		WEIMANN H J	40562	WEISS P W	70097	70180	WELLS D A	20657	WENTWORTH J A D W	52094
WEGOREK W	83381	WEIMARCK G	748	WEISS T J		86331	WELLS D G	79113		
	83383	WEIN K	36936	WEISS W	46341	104291	WELLS F	35314	WENTZEL K F	61209
WEGRZYJ J		WEINBERG M	83954	WEISS Y		42141	WELLS F L	12435		102784
WEGRZYNSKI S	9632	WEINBERG M R	62043	WEISSBACH F		5459	WELLS G D	84635	WENZEL F	94342
WEGRZYNSKI S	32156	WEINBERGER J H	316		54722	91858	WELLS G L	74051	WENZEL F W	25356
			39090			103146	WELLS H D	37847	38824	65447
WEHLAND W		WEINBERGER P	10131	WEISSENBERG E		104799		38824	WENZEL G	106062
WEHLBURG C	58040		48646	WEISSENBERG S VON		17432	WELLS H M	44679	WENZEL W	86600
WEHMANN M		WEINDLMAYR J	19232	WEISSENBORN K		10132	WELLS J C	428	WENZL H	77841
WEHMEYER A S			99527			91183	37055	37387	88839	88840
		WEINECKE L A	6958	WEISSENRIEDER F X		77034	WELLS J M	371	9065	WENZL H F J
WEHMEYER L E			16171	WEISSER E	45473	66866	9066	27163	27164	12397
WEHNER A		WEINER J	21568			87080	WELLS J P	11641	50178	41080
WEHR E E		12396	21568	WEISSER H		106725		51778	WEPFER K	15233
WEHRHAHN C		21637	40983	WEISSER M	6680	6681	WELLS J R	77422	WEPSTER B M	56236
WEHRHEIM N L		41033	81477	WEISSER W		103829	WELLS J R E	1384	WERBLIN T P	9533
WEHRLE R			107516	WEISSER W		7555	WELLS J S	1385	WERBLOW U	86930
WEHRLI A		WEINFURTNER F	24729	WEISSKOPF G		27120	WELLS J S	1714	1715	WERCKMEISTER P
WEHRLY J S	64932	65013	67459	WEISSMAN B J		7555	5946	10590	69681	37919
WEHRLY M S			106857	WEISSMAN N		22998	WELLS J W		67898	WERDA-MICH K
WEHRMANN G A H		WEINGARTEN H	17243	WEISSMAN-STRUM A		33239	WELLS K		63589	WERDELIN C
WEHRMANN J	2810		69711	WEIST W		12253	WELLS K E		13630	92839
	21246	WEINGES K	79446	WEITH L	24730	86055	WELLS K F	61912	16933	WERENFELS F
WEHRWEIN G S		WEINHOLD A R	8998	WEITKAMP R A		63519		103374	60292	102254
WEHUNT R L	58923	19233	47340	WEITS J	25450	27357	WELLS K L		60292	91319
WEI C K		WEINHOLD E	3163	WEITZ B	5351	41380	WELLS O V	27596	60506	74101
WEI K Y	103069		51944			83279	WELLS P A		60506	75
WEI M H			81032	WEITZ R	26870	29974	WELLS P R	6404	54554	21717
WEI W P		WEINKAUFF	2672			56353	WELLS P V	9358	46781	1258
WEIBE G A		WEINLAND E	83091	WEITZEL D H		66126		68414	WERKHOVEN C H E	101775
WEIBECKE C		WEINLAND K M	91182	WEITZEL E C		87520	WELLS R G	7361	93166	34645
WEIBEL E		WEINMANN H	105783	WEITZMAN S	12041	70803		104301	22882	13904
WEIBEL J L		WEINMANN H P	25046	WEJDMARK M		31395	WELLS R J H		42415	63183
WEIBEL R		WEINMANN K	104706	WEKRE E	36525	54486		104301	42415	85495
WEIBULL G		WEINREB M M	94990			98649	WELLS T C E		50235	38957
WEIBULL W		WEINSCHENCK G	7635	WEL H VAN DER		74775	WELLS W N		75342	59480
WEICENTHAL B A			21961	WELBANK P J		11365	WELLSO S G		40313	106493
WEICHERT L		WEINSCHENK G	16766			38475	WELLSTEAD D H		53511	54090
WEICHMANN		WEINSTEIN B	19435	WELBORN R		7156	WELTSCHOF G	5709	71003	54131
WEICHOLD R		WEINSTEIN B R	6523	WELBOURN H F		46158	WELSH G T		84372	97169
WEIDE H		WEINSTEIN J	65895	WELBOURNE F		89047	WELSH J R		31073	32407
WEIDE K D		WEINSTEIN L H	26802	WELCH B L		18478	WELSH M F	475	37471	79745
WEIDEMAN D H		WEINSTEIN L	13299	WELCH C D		29436	WELSH S L	77423	78004	92599
WEIDEMANN C		WEINSTEIN P P	76468	WELCH C L		36464			98848	6492
WEIDEMANN K		WEINTRAUB D	76572	WELCH C M		54856	WELTE E	20501	39814	43038
WEIDEMANN W H		76570	100722	WELCH D R		88891			68233	82286
	36000	WEINTRAUB I A	100723	WELCH D S	18043	78868	WELTER C J	103902	104052	21044
WEIDEN K			68301	WELCH E V		94252	WELTERT J		83679	84821
WEIDENBACH C P		WEINTRAUB M	96301	WELCH F J		26363	WELTON R E	42646	73235	91757
WEIDENER R A		68302	99667	WELCH H E	5285	33031	WELVAERT W	80729	88838	100951
WEIDENHAGEN R		WEIPERS M L	13031			83135	WELY A J M VAN		34848	41257
WEIDENMULLER H		WEIR A B	62487	WELCH J		95109	44631	65571	34848	78119
		WEIR A H	3302	WELCH J A		16209	75562		65571	99136
WEIDERMANN K		WEIR A H W	29504	WELCH J G		22853	WELZ W		85325	85256
WEIDHAAS D E		WEIR C C	8433	WELCH J M		73012	WELZEL P		81527	69130
	63458	WEIR C E	29524	WELCH L C		4477	WEN C W		91002	19573
WEIDHAAS J A		WEIR F J	25991	WELCH L F	48486	60533	WEN H P		60431	89241
	52989	WEIR J B	90471	WELCH L	88955	99726	WEN S P		60428	100011
WEIDHASS J A		WEIR J	78867	WELCH N C		68928	WEN S T		79747	48647
WEIDINGER N		WEIR J R	108033	WELCH N H		68928	WEN T W		105599	40528
WEIDLER		WEIR R G	69128	WELCH R C		107061	WENCL J	21074	60962	8503
WEIDNER H	14412	WEIR T S	28845	WELCH R M		33209	WENCZEL A		62780	91782
	63842	WEIRS L D	6746	WELCH W		39316	WENDELBERGER E		77429	22242
		WEIS J	52727	WELCH W B		49	WENDELBERGER G		64927	67096
WEIDNER K		WEIS J S	19437	WELCH W H	173	88456			104	31481
WEIER T E	18498	WEIS K H	83746	WELDON W C	88457	109200	WENDELBO P	74	151	22390
WEIERSMULLER A		WEIS-FOGH T	105542	WELDON G N		54487	WENDELKEN W J	26830	98983	1908
WEIGAND G			106107	WELDON L W	2061	20236			11829	35731
WEIGAND K		WEISBACH J A	58983			90642	WENDER S H	55986	39881	91323
WEIGERT G		WEISBACH W	8423	WELDON M D		102069			69124	91970
WEIGERT H			98606	WELDY J R		72307	WENDLAND E		100181	58365
WEIGL J		WEISBLAT A M	7912	WELTO J		92884	WENDLER G	94991	52990	100724
WEIGL K		WEISBLATT H	4175	WELKER C		41863	WENDORFF H		95593	104824
WEIGLEY E S		WEISBROT D R	14697	WELKER W V		55097	WENDT E		72448	62673
WEIGMANN H D			23705	WELKERLING-DE-TA-		19936	WENDT K		62932	22188
			88954	CHINI E			WENDT V P		92598	1259
WEIGT U	62233	WEISCHER B	88953	WELKIE G M		27314	WENDT W		48487	92920
WEIHE		WEISE	88049	WELL O O		102743	WENDT W		37692	32469
WEIHE K VON		WEISE E	83904	WELLENSEK S J		69679	WENE G P	42647	43186	32470
			83907	WELLENSTEIN G		53421			63530	5710
			83908				WENG J L		59537	6435



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
WESOLOWSKI E 55548	WESTRA J J 40595	WHEELER G E--CONT 2621	WHITE M H 108353	WHITMAN W G 21533	
WESOLOWSKI P 70651	WESTREN W 26240	WHEELER G S 7815	WHITE M J D 14939	WHITMIRE H E 6458	
WESOLOWSKI S 52180	WESTRICK J P 47575	WHEELER H 18045	WHITE N 94671	WHITMORE F W 89958	
WESSEL C J 52219 82954	WESTVELD R H 21103	WHEELER H J 35246	WHITE N H 3420	WHITMORE G E 72199	
WESSEL D J 97091 97170	WESTWOOD M N 40393 80893	WHEELER J 23967 43235	WHITE P E 47560	WHITMORE G W 62244	
WESSEL J 54271	WESTWOOD N J 1782	WHEELER J W 53455 94800	WHITE P G 63499	WHITMORE R A 2951	
WESSEL L H 65769	WESTWOOD R E 18006	WHEELER M R 35362	WHITE P H F 92840	WHITMORE T C 68370	
WESSEL R I 33152	WET D F DE 18006	WHEELER R E 23707	WHITE P J 68345	WHITNEY E 100013	
WESSEL R I 17083 67199	WET J M J DE 18006	WHEELER R F 56806	WHITE P R 6524	WHITNEY H S 27458	
WESSELING J 91324	WET Y C 106398 106399	WHEELER R G 33240	WHITE R 17402	WHITNEY J D 37033 100521	
WESSELINOFF W 75648	WETKAM K 102255	WHEELER R G 22909	WHITE R A 10593 35205	WHITNEY J E 43611	
WESSELS H 7290 55628	WETTERALL W F 749	WHEELER R T 66867	WHITE R A J 43678	WHITNEY R M 62649 72550	
WESSELS J P H 66007	WETTERAU H 16654	WHEELER R T 76512	WHITE R E 70039 106494 106495	WHITNEY R M 44291 74794	
WESSELS J S C 1260	WETHERALL W F 61377	WHEELER R W 50909	WHITE R E 6051 6884	WHITNEY R S 2444	
WESSELS VAN 62657	WETHERBEE R T 71467	WHEELER S M 101994	WHITE R E 43040 70332	WHITNEY R S 80134	
WESSELS W H 69451	WETHERELL D F 91408	WHEELER S M 82523	WHITE R G 87035	WHITNEY R S 89340	
WESSLEY E C 42122	WETHERELL D F 27650	WHELOCK F H 21681	WHITE R H 14720	WHITNEY R W 86273	
WESSING A 23706	WETHLI E 47742	WHELAN D E 40316	WHITE R J 104211	WHITNEY W K 83528	
WESSLAU H 7400	WETHLI E 72569	WHELAN W J 10133 24357	WHITE R J 54132	WHITSEL R H 94254	
WESSMAN G E 103903	WETLI G 15704 22277	WHELAN W J 54132	WHITE R M 79746	WHITTAKER C W 91369	
WESSON R G 35851	WETMORE C M 99137	WHELAN W J 44584	WHITE R M 4354	WHITTAKER R H 101917	
WESSON W T 56151	WETMORE P W 42331	WHELAN W J 60697	WHITE S 8504	WHITTAKER R H 9365 89060	
WEST A S 4672 53371	WETMORE R H 750	WHELAN W J 56527	WHITE S F 25276	WHITTAKER V P 72605	
WEST B 94253	WETTER L R 48648	WHELAN W J 5485	WHITE T G 10417 68657	WHITTAKER V H 86120	
WEST B K 51164	WETTERAU H 12531 30830	WHELAN W J 23813	WHITE T K 7914	WHITTAKER W F 42558	
WEST C J 73847	WETTERAU H 31184 31185 31232	WHELAN W J 94028	WHITE T M 19446 103606	WHITTAKER W G 94177	
WEST C J 21637	WETTERAU H 33849 41258 93810	WHELAN W J 22858	WHITE W C 20445	WHITTAKER W G 53363	
WEST D 11975	WETTERGREEN W P 55013	WHELAN W J 93195	WHITE W E 60867	WHITTAKER W G 84011	
WEST E 90745	WETTKER K 4609 52525	WHELAN W J 16172	WHITE W W 26217	WHITTAKER W L K 42215	
WEST J G 97372 98073	WETTLIN D 106894	WHELAN W J 98984	WHITE-SPURER D 87565	WHITTAKER W M E 26147	
WEST L C 72271	WETTLIN D 12428	WHELAN W J 16195	WHITE-STEVENSON R 17300	WHITTAKER W M E 35213 96716	
WEST P 46342	WETTLIN D 102763	WHELAN W J 108852	WHITE-STEVENSON R 45632 87906	WHITTAKER W M E 32921	
WEST Q M 6003 45429	WETTLIN D 102763	WHELAN W J 67028	WHITE-STEVENSON R 6292	WHITTAKER W M E 83576	
WEST R F 46782 102762	WETZEL A 80450 94738	WHELAN W J 12928	WHITE-STEVENSON R 69533	WHITTAKER W M E 28019	
WEST R G 88209	WETZEL A 41668	WHELAN W J 75153	WHITE-STEVENSON R 76573	WHITTAKER W M E 43514	
WEST R H 52126	WETZEL K 38866 53709	WHELAN W J 14894	WHITE-STEVENSON R 3908	WHITTAKER W M E 43751 93114	
WEST S H 1221 1261	WETZEL M 38866 53709	WHELAN W J 62676	WHITE-STEVENSON R 31647	WHITTAKER W M E 72439	
WEST V I 101015	WETZEL T 15001 84236	WHELAN W J 92940	WHITE-STEVENSON R 103139	WHITTAKER W M E 58366	
WEST W 55592	WETZEL T 94799 105244	WHELAN W J 102764	WHITE-STEVENSON R 104195	WHITTAKER W M E 29526	
WEST W I 50355	WEUFFEN W 8104	WHIPPLE W 102258	WHITE-STEVENSON R 55550	WHITTAKER W M E 10134	
WEST-NIELSEN G 21492	WEURMAN C 24475 44240	WHISLER F D 79952	WHITE-STEVENSON R 55551	WHITTAKER W M E 78376	
WESTBERG F H 36536	WEYBREW J A 7549	WHISLER H C 77478	WHITE-STEVENSON R 75424	WHITTAKER W M E 100522	
WESTBROOK C J 6805 55066	WEYBREW J A 26333 26334	WHISLER R L 1342	WHITE-STEVENSON R 85976	WHITTAKER W M E 72000	
WESTBROOK G J 37131	WEYDAHL E 58886	WHITAKER D R 41148	WHITE-STEVENSON R 2023	WHITTAKER W M E 78873	
WESTBROOK J F 65462	WEYDAHL E 52820	WHITAKER G H 2580	WHITE-STEVENSON R 28255	WHITTAKER W M E 78874	
WESTCOTT E 75798	WEYERFELD F 52772	WHITAKER H E 51278	WHITE-STEVENSON R 29525 39815 70333	WHITTAKER W M E 61337	
WESTCOTT E R 16930 87221	WEYERFELD F 48556	WHITAKER J A 19236	WHITE-STEVENSON R 107109	WHITTAKER W M E 17533	
WESTCOTT L 82792	WEYERFELD F 89957	WHITAKER J O 5059	WHITE-STEVENSON R 59663	WHITTAKER W M E 46105	
WESTCOTT W J 92091	WEYGOLDT P 105600	WHITAKER J R 5060	WHITE-STEVENSON R 59664 70040	WHITTAKER W M E 42107	
WESTDAL P H 83384	WEYH H 86025 106859	WHITAKER J R 55454	WHITE-STEVENSON R 1262	WHITTAKER W M E 34396	
WESTE H L 28884	WEYL R 36682	WHITAKER J R 89926	WHITE-STEVENSON R 88384	WHITTAKER W M E 42295	
WESTEINDE R L VAN 33716	WEYMAR H 46928	WHITAKER O 90960	WHITE-STEVENSON R 62163	WHITTAKER W M E 83005	
WESTERBERG H E 5741	WEYMOUTH D K 4248	WHITAKER R P 3870	WHITE-STEVENSON R 1263	WHITTAKER W M E 15764	
WESTENDORF H 87729	WEYRICH H 108538	WHITAKER T M 1958	WHITE-STEVENSON R 42475	WHITTAKER W M E 74013	
WESTENDORP T 84405	WEZENBERG H J 40100	WHITAKER T M 68617 90580	WHITE-STEVENSON R 98631	WHITTAKER W M E 74896	
WESTER R E 10591 47414	WEZLY S 71882 92870	WHITCOMB R F 90581	WHITE-STEVENSON R 874	WHITTAKER W M E 106259	
WESTERBEEK A 49394	WHALAN C E 104247	WHITCOMB R F 37486	WHITE-STEVENSON R 25047	WHITTAKER W M E 92094	
WESTERDAHL R G 24792	WHALAN J W 3717 32550	WHITCOMB R R 102070	WHITE-STEVENSON R 88237	WHITTAKER W M E 28899	
WESTERFELD W W 49089	WHALAN R E 31531	WHITCOMB W D 23347	WHITE-STEVENSON R 1909	WHITTAKER W M E 22195	
WESTERGAARD U 4247	WHALAN R F 71837	WHITCOMB W H 52902	WHITE-STEVENSON R 72915	WHITTAKER W M E 51865	
WESTERHOFF C B 22997	WHALEY W G 58285 100012	WHITCROFT A 5115 23915	WHITE-STEVENSON R 73032	WHITTAKER W M E 79415	
WESTERHOLM V 26217	WHALLEY H C S DE 76982	WHITE A H 62071 62072	WHITE-STEVENSON R 3487	WHITTAKER W M E 54970	
WESTERLUND O 40912	WHALLEY P E S 5561	WHITE A L 2581	WHITE-STEVENSON R 22129	WHITTAKER W M E 39579	
WESTERLUND A F 8141	WHALLEY R D B 23914 53512	WHITE A M 19749	WHITE-STEVENSON R 92344	WHITTAKER W M E 7377	
WESTERMAN B D 17630	WHALLEY W B 29555	WHITE B S 66180	WHITE-STEVENSON R 76574	WHITTAKER W M E 100172	
WESTERMARCK H 93613	WHALLEY W B 59006	WHITE B S 70649	WHITE-STEVENSON R 1648	WHITTAKER W M E 19265	
WESTERMARCK N 72308	WHANG S J 79079	WHITE C M N 44802	WHITE-STEVENSON R 80565	WHITTAKER W M E 77237	
WESTERMARCK N 7964	WHANG P D 92093	WHITE D 56838	WHITE-STEVENSON R 6592	WHITTAKER W M E 76657	
WESTFALL B A 26441 76218 87383	WHARTENBY F G 82855	WHITE D A 87297	WHITE-STEVENSON R 107117	WHITTAKER W M E 36001	
WESTFALL M J 104641	WHARTON C R 44528	WHITE D C 28197 29327	WHITE-STEVENSON R 34955	WHITTAKER W M E 42718	
WESTFALL M J 104642	WHARTON D R A 26442	WHITE D P 63326 83092	WHITE-STEVENSON R 55694	WHITTAKER W M E 42718	
WESTFALL M J 64293	WHARTON F D 33488	WHITE E 30344 30345	WHITE-STEVENSON R 6651	WHITTAKER W M E 73120	
WESTFALL M J 106162	WHARTON G W 82702	WHITE E G 79954 102812	WHITE-STEVENSON R 78786	WHITTAKER W M E 42718	
WESTFELT L 21661	WHARTON J 73534	WHITE E J 83799 92927	WHITE-STEVENSON R 71883	WHITTAKER W M E 105324	
WESTGAARD P 82348	WHARTON R H 52244	WHITE F 3303 31033	WHITE-STEVENSON R 48488	WHITTAKER W M E 81081	
WESTGARTH D R 106930 106949	WHARTON R H 4778	WHITE G J 8752 8769	WHITE-STEVENSON R 1538	WHITTAKER W M E 6683	
WESTGARTH D R 62177 87222	WHARTON R H 4779 5290 42550	WHITE H A 9512	WHITE-STEVENSON R 21183	WHITTAKER W M E 6808	
WESTGATE M W 45374	WHATLEY F R 105144 9691	WHITE H B 56609	WHITE-STEVENSON R 49857	WHITTAKER W M E 91533	
WESTGATE P J 2351	WHATLEY J A 58925 78871	WHITE H D 43390	WHITE-STEVENSON R 49858	WHITTAKER W M E 79164	
WESTH R 27504	WHATLEY J A 4480	WHITE H G 75797	WHITE-STEVENSON R 99257	WHITTAKER W M E 16196	
WESTHOFF V 67912 77149	WHEAR Y C D 74225	WHITE H H 8533	WHITE-STEVENSON R 18372	WHITTAKER W M E 81342	
WESTHUES M 82301 92092	WHEAT J D 104142	WHITE I G 22843 72540	WHITE-STEVENSON R 6682	WHITTAKER W M E 87522	
WESTHUIZEN J J N 76656	WHEAT J G 50846	WHITE J B 21937 63164	WHITE-STEVENSON R 25272	WHITTAKER W M E 41796	
WESTIGARD P H 42716	WHEATLAND A B 54059	WHITE J C 15661 55209	WHITE-STEVENSON R 41796	WHITTAKER W M E 29023	
WESTIN F C 2287 80215	WHEATLEY G A 23039	WHITE J C 65186 88893	WHITE-STEVENSON R 48489	WHITTAKER W M E 89059	
WESTIN S I 80449	WHEATLEY P E 4872	WHITE J H 7913 16932	WHITE-STEVENSON R 5486	WHITTAKER W M E 47023	
WESTING A H 27333	WHEATON E 32863 32864	WHITE J L 83406 108556	WHITE-STEVENSON R 74520	WHITTAKER W M E 47026	
WESTLAKE D F 47832	WHEATON R Z 54335	WHITE J M 90839 101695	WHITE-STEVENSON R 4349	WHITTAKER W M E 47033	
WESTLAKE D W S 69131	WHEATON T A 83476	WHITE J P 62009 105075	WHITE-STEVENSON R 2496	WHITTAKER W M E 47036	
WESTLAKE W E 58924	WHEEDBEE W L 7550	WHITE J W 55388 86074	WHITE-STEVENSON R 6738	WHITTAKER W M E 47040	
WESTLINNING H 10170	WHEELER A S 75912	WHITE K 86075 107551	WHITE-STEVENSON R 17216	WHITTAKER W M E 47044	
WESTON G C 83203	WHEELER A W 43308	WHITE L G 81887	WHITE-STEVENSON R 39578	WHITTAKER W M E 4900	
WESTON L H 74126 74288	WHEELER B E J 69132	WHITE L V 29900	WHITTAKER W M E 41796	WHITTAKER W M E 8887	
WESTON R L 78870	WHEELER D L 20502	WHITE L W 99703	WHITTAKER W M E 29023	WHITTAKER W M E 8888	
WESTON R T 72119	WHEELER E H 26871	WHITE M 17402 25673	WHITTAKER W M E 48489	WHITTAKER W M E 47021	
WESTON S 66179	WHEELER G C 57858	WHITE M C 34155 34156 35145	WHITTAKER W M E 89059	WHITTAKER W M E 47024	
WESTON W C 45758	WHEELER G C 23967	WHITE M E 96973	WHITTAKER W M E 5486	WHITTAKER W M E 47026	
WESTOD G 34714	WHEELER G C 53455 94800	WHITE M F 104066	WHITTAKER W M E 74520	WHITTAKER W M E 47030	
WESTPFAHL U 104465	WHEELER G E 95361 95362	WHITE M G 67770	WHITTAKER W M E 4349	WHITTAKER W M E 47033	
WESTPHAL F 86246	WHEELER G E 751	WHITE M G 88555	WHITTAKER W M E 2496	WHITTAKER W M E 47036	
		WHITE M G 4904	WHITTAKER W M E 6738	WHITTAKER W M E 47040	
			WHITTAKER W M E 17216	WHITTAKER W M E 47044	
			WHITTAKER W M E 39578	WHITTAKER W M E 4900	
			WHITTAKER W M E 41796	WHITTAKER W M E 8887	
			WHITTAKER W M E 29023	WHITTAKER W M E 8888	
			WHITTAKER W M E 48489	WHITTAKER W M E 47021	
			WHITTAKER W M E 89059	WHITTAKER W M E 47024	
			WHITTAKER W M E 5486	WHITTAKER W M E 47026	
			WHITTAKER W M E 74520	WHITTAKER W M E 47030	
			WHITTAKER W M E 4349	WHITTAKER W M E 47033	
			WHITTAKER W M E 2496	WHITTAKER W M E 47036	
			WHITTAKER W M E 6738	WHITTAKER W M E 47040	
			WHITTAKER W M E 17216	WHITTAKER W M E 47044	
			WHITTAKER W M E 39578	WHITTAKER W M E 4900	
			WHITTAKER W M E 41796	WHITTAKER W M E 8887	
			WHITTAKER W M E 29023	WHITTAKER W M E 8888	
			WHITTAKER W M E 48489	WHITTAKER W M E 47021	
			WHITTAKER W M E 89059	WHITTAKER W M E 47024	
			WHITTAKER W M E 5486	WHITTAKER W M E 47026	
			WHITTAKER W M E 74520	WHITTAKER W M E 47030	
			WHITTAKER W M E 4349	WHITTAKER W M E 47033	
			WHITTAKER W M E 2496	WHITTAKER W M E 47036	
			WHITTAKER W M E 6738	WHITTAKER W M E 47040	
			WHITTAKER W M E 17216	WHITTAKER W M E 47044	
			WHITTAKER W M E 39578	WHITTAKER W M E 4900	
			WHITTAKER W M E 41796	WHITTAKER W M E 8887	
			WHITTAKER W M E 29023	WHITTAKER W M E 8888	
			WHITTAKER W M E 48489	WHITTAKER W M E 47021	
			WHITTAKER W M E 89059	WHITTAKER W M E 47024	
			WHITTAKER W M E 5486	WHITTAKER W M E 47026	
			WHITTAKER W M E 74520	WHITTAKER W M E 47030	
			WHITTAKER W M E 4349	WHITTAKER W M E 47033	
			WHITTAKER W M E 2496	WHITTAKER W M E 47036	
			WHITTAKER W M E 6738	WHITTAKER W M E 47040	
			WHITTAKER W M E 17216	WHITTAKER W M E 47044	
			WHITTAKER W M E 39578	WHITTAKER W M E 4900	
			WHITTAKER W M E 41796	WHITTAKER W M E 8887	
			WHITTAKER W M E 29023	WHITTAKER W M E 8888	
			WHITTAKER W M E 48489	WHITTAKER W M E 47021	
			WHITTAKER W M E 89059	WHITTAKER W M E 47024	
			WHITTAKER W M E 5486	WHITTAKER W M E 47026	
			WHITTAKER W M E 74520	WHITTAKER W M E 47030	
			WHITTAKER W M E 4349	WHITTAKER W M E 47033	
			WHITTAKER W M E 2496	WHITTAKER W M E 47036	
			WHITTAKER W M E 6738	WHITTAKER W M E 47040	
			WHITTAKER W M E 17216	WHITTAKER W M E 47044	
			WHITTAKER W M E 39578	WHITTAKER W M E 4900	
			WHITTAKER W M E 41796	WHITTAKER W M E 8887	
			WHITTAKER W M E 29023	WHITTAKER W M E 8888	
			WHITTAKER W M E		





WILLIAMS K--CONT	38989 43670	WILLIAMSON R E	2583 38481	WILSON D A	21507	56354	WILTON W	1539	1540	WINNIGSTEDT	ITEM
WILLIAMS K E	59239	WILLIAMSON R L	50758	WILSON D B	90208	101044	7075	7076	38072	8506	98334
WILLIAMS K G	30838	WILLIAMSON T W	109201	WILSON D K		86661	90083	96292	97018	WINNIGSTEDT R	92678
WILLIAMS K R	52118	WILLIAMSON W F	86057	WILSON D M	33211	64251	WILTON A C	37814	78567	WINOGRADSKY S	80126
WILLIAMS L	75810	WILLIE R E	7391	35316	WILSON D R	81174	WILTON D P		4782	WINQVIST G	72999
WILLIAMS L E	27248	WILLIMOTT S G	29426	WILSON E	91287	100529	WILTON G S		94257	WINSBERG M D	98014
38785 39781	70366	WILLINGER H	83096	WILSON E B	5954	64314	WILTON I		26148	WINSLADE C E	22577
WILLIAMS L F	28711	WILLINK H D T	8432	WILSON E D		104077	WILTON M C		21326	WINSLOW R D	18394
	103304	WILLIS A H	25717	WILSON E E	9185	37308	WILTSE M G	11124	29343		99704
	64514	WILLIS A J	37614			68252	WILUSZ Z	50929	70183	WINSOR G W	2309
WILLIAMS L G	78876	WILLIS A J C		WILSON E F		5964	WILWERTH A M		94351	WINSTEAD E	45307
WILLIAMS L J	53984	WILLIS E	66400	WILSON E H		99415	WIMALAJEWA D L S		9167	WINSTEAD N N	527
WILLIAMS L L	42560	WILLIS E H	60272	WILSON E M	43198	53457		9168	77844	9169 19439	27252
	94255	WILLIS G M	2249	WILSON E R		43720	WIMAN R		30655	37055 37276	37387
WILLIAMS L N	7551	WILLIS J B	106926	WILSON E V B		10389	WIMBER D E	754	18516	44763 57936	99385
	75913	WILLIS J C N	88252	WILSON E W		8632	WIMBERLY J E		50357	WINSTON J J	54338
WILLIAMS L O	27885	88416 88417	88242	WILSON F		31141	WIMBLERY J		14078	WINSTON P W	14489
	71215		94804	WILSON F D		832	WIMBUSH D J		77934	WINSTON R J	72769
WILLIAMS L W	72952	WILLIS J H	67801	14682 68629	69499		WIMBUSH S H		21327	WINTER A	28206
WILLIAMS M	3322	WILLIS J L	45198			104054	WIMER L T		23711	WINTER A J	62422
		WILLIS M B	52054	WILSON F L	52821	94421	WINBERG C D		66292	WINTER E J	34023 75462
WILLIAMS M A	75485	WILLIS P S	24344	WILSON G	4830	4831		67390	26201		49668
WILLIAMS M C	10138	WILLIS R	80721	5213 19721	48876	23268	WINBOLT P F		40532	WINTER F	19774 69770
33242 46158	101476	WILLIS S J	19241	WILSON G B		78153	WINCHOMBE-CARSON		97486	WINTER F H	33737
WILLIAMS M S	8418	WILLIS W G	47415	WILSON G C S		70575	WINCHESTER C F		34646	WINTER G D	106587
WILLIAMS M W	34838	WILLIS W H	60185	WILSON G D		25991	WINCHESTER J A		58132	WINTER H	72880 104730
47953 89875	100649	WILLIS W O	2134	WILSON G F	51831	51998	WIND		99732	WINTER H F	18373 37487
WILLIAMS N C	60872	WILLISTON R S	57887			100212	WIND A VAN		47417	WINTER J C	34957
WILLIAMS N N	50	WILLISTON E M	61421	WILSON G J		70041	99533 99534		99534	WINTER J E F	90726
WILLIAMS O B	7112	WILLISTON H L	61050	WILSON G L		19122	WINCKEL A		3910	WINTER K A	82137
9366 11123	93717	WILLITS C O	16468	WILSON G R		31142	WINCKLER C		71848	WINTER M	15989 24394
WILLIAMS P	4781	WILLITS F K	76567	WILSON H A	101646	101792	WIND A P		3910	24876 75223	107257
		WILLITS H W	76567			104593	WIND D		45513	WINTER T C	17566
WILLIAMS P C	16174	WILLM C	16134	WILSON H C	13324	79613	WIND G P	2503	29449	WINTERBOTTOM J M	18047
WILLIAMS P F	56666	44979 85994	107503	WILSON H E		27505	39680 49667		49771	WINTERFELD K	79081
WILLIAMS P G	69330	WILLMANN H	64893	WILSON H E		73141	70806 80496		87298	WINTERFELD R G	84588
WILLIAMS P H	9114	WILLMORE J M	7812	WILSON H G		44359	WIND J		82171	WINTERFELDT E	78916
9165 58029	88844	WILLMS M	45166	WILSON H K	24875	74804	WIND W		54034	WINTERFELD K VON	63339
WILLIAMS P J	20405	WILLNER D	54998		65078	74999	WINDEGUTH D L VON		63490	WINTERFELD R W	62828
WILLIAMS P P	3307	WILLOMITZER J	32013	WILSON H L		29381	WIND W J VAN		7965	62934 82669	
	23109	42065 42513	52298	WILSON H P	29380	4249	7966 7967		7968	WINTERINGHAM F P	105077
WILLIAMS R	10887		62933	WILSON H R		29381	26949 26950		26951	WINTERKORN H F	101688
	26182 52760	WILLOUGH L G	17413	WILSON H V P		79634	26952 76462		87224	WINTERLIN W L	35150
72241 72301	76461	WILLOUGHBY W M	4352	WILSON I		108758		89008	18812		94035
WILLIAMS R B	82551	WILLOWS D	43639	WILSON I M	9535	27251	WINDEN W P VAN		20206	WINTERRINGER G S	64933
WILLIAMS R C	3308	WILLOWS D E	53722	WILSON J	24276	30771	WINDER M F		59910	WINTERS H F	58416
WILLIAMS R D	40678	WILLRICH T L	41310	WILSON J B	41381	103343	WINDERS C W		98199		59759
WILLIAMS R D B	104053		76946			104163	WINDHAM S L		39328	WINTERS R K	21075
WILLIAMS R E	17226	WILLS C J	83932	WILSON J D	18046	18235		70042	85821	WINTERS W	102396
34720 36344	36345	WILLS E J	10888	41051 47416	77984		WINDISCH K		30715	WINTERS W S	83221
WILLIAMS R E D	71818	WILLS F K	22624	WILSON J E	10889	39320	WINDISCH S		58438	WINTERTON D	16032
WILLIAMS R F	67772	WILLS G D	10139	WILSON J F	753	27232	WINDLE L C		90160		101448
WILLIAMS R J	1266	WILLS J E	56714	77803 77804	77805	77805	WINDRATH O M		59095	WINTHER J E	34312
7390 13740	103352	WILLS W	5370	77806 77843	99531	30040	WINDSON H A		22577	WINTON M Y	23137 42418
	104144	WILLS W H	27249	WILSON J G	10515	30040	WINDUS W	25855	25889	42481 73869	83507
WILLIAMS R J B	11642	WILLS W J	24501	WILSON J H		28244	25993 35025		35132	WINTOUR M	104631
19472 40101	70653	26499 34956	24559	WILSON J H G		62370	WINEFORONER J D		54986	WINTREBERT D	23104
WILLIAMS R M	87369		35247	WILSON J R		69134		54987		WINTZER H J	73013
	98105	WILLSIE R H	27017	WILSON J T	54132	107535	WINEK C L	1444	100727		92913
WILLIAMS R R	27586	WILLSON F S	12805	WILSON J W	51	27018	WINER H I	21629	61338	WINZENRIED H W	51595
27653 28885	48494		82027		38482	44320	WING A S		67643	WINZER K	46231 84907
WILLIAMS R W	98547	WILLSON J E	41797	WILSON J W DE		99532	WING G N		70449	WINZOR D J	34906
	73684	WILLSON K C	29369	WILSON K A		88433	WING J E		67643	WIPFLI E	94585
WILLIAMS R W M	95110	WILLSON R B	97025	WILSON K H		43309	WING J M	22130	41558	WIRAHADIREDA S	3157
WILLIAMS S	61508	WILLSON R J	80671	WILSON K J		14159	WING M R	72362	92372	91936 91937	
WILLIAMS S 18372	74189	WILM H G	40458	WILSON K P	43409	90961	WINGARD M		61272	WIRAK O S	31034
WILLIAMS S A	54916	WILMOT C A	85647	WILSON K W		50593	WINGARD R R		41982	WIRE E	14579
WILLIAMS S B	54243	WILNER J	27243	WILSON L		16585	WINGE O		12302	WIRJOATMODJO K	38483
WILLIAMS S T	2248		100528	WILSON L E	15607	35925	WINGER R J		20361	WIRNSHOFER J	35732
WILLIAMS T D	47600	WILSENACH R	8770	74820 86602	107000		WINGET C H	48199	91238	WIRRIGER T	96486
WILLIAMS T G	20092		37812	WILSON L F	14289	83579	50662 50663		48200	WIRSING F	70030
WILLIAMS T P	89951	WILSIE C P	48834	WILSON L G		2135	61210		50930	WIRTH A	17006
WILLIAMS V A	6589		79359	WILSON L L	12850	51694	WINGO L		78582	19775 25428	38990
6684 44427	63685	WILSKI A	58131	WILSON L O	32299	85624		36002		57861 87225	96917
WILLIAMS W	47919	77983 88937	99721	WILSON L R		58367	WINHAM W L		40913	WIRTH C L	2886
WILLIAMS W A	590	99729 99730	99731	WILSON L S		96118	WINJUM J K	2850	81186	WIRTH E	45744
19240 20782	29835	WILSON A	1911	WILSON M		86603	WINKEL A	6981	10390	WIRTH F	55552
	102071		95757	WILSON M C	42648	52903		19577		WIRTH H	87121
WILLIAMS W C	30664	WILSON A A	71812	63587 63981	83910		WINKELBLECH C S		84426	WIRTH M	37034
WILLIAMS W F	31174	WILSON A D	13741	WILSON M R	3909	4431	WINKELMANN H		45743	WIRTH M E	35466
45007 63083	65896	52483 93625	93697			12844	WINKELMANN S		53666	35472 86662	108086
72311 84906	96180	WILSON A F	6685	WILSON P		17631	WINKENWERDER W		81937	WIRTH S	43613
	97118	WILSON A K	71443	WILSON P J		89892		103420	103420	WIRTH W	3298
WILLIAMS W L	6371	WILSON A L	41699	WILSON P N	26953	76220	WINKHAUS H		66378		3911
	72704	WILSON A M	1082	WILSON P W		109211	WINKLE Q		74786	6066 82389	
WILLIAMS W T	49825	WILSON A W	12398	WILSON R	8287	30593	WINKLE Q VAN		65069	33212 73684	
WILLIAMS-WYNN D A	65949	WILSON B	24594	WILSON R B	72440	85881	WINKLER A		109202	95000 95111	
75663	97171	WILSON B F	100014	WILSON R C		40741	WINKLER A J		59665	27359 36355	
WILLIAMSON B	54711	WILSON B H	13923	WILSON R F	65238	81074	WINKLER G	25380	46230	65771 67442	67464
WILLIAMSON B E	6774		23710	WILSON R G	90473	102103	65429 65430		65431	87817 108943	
6775 24435	55370	WILSON B J	39543	WILSON R K		81694		87787		WIRTSCHAFTS	86604
55722 86042	52299	WILSON B W	52243	WILSON R M		69769	WINKLER H	40968	89598	WIRTZ F P	19400
WILLIAMSON E B	28576	WILSON C	44423	WILSON R S	15657	24872	WINKLER H H		92223	WIRTZ G W	94847
74044 74074	106299		90473	WILSON R W		50759	WINKLER J F		42453	WIRTZ H	55991
	15885	WILSON C D	3719	WILSON S V		46452	WINKLER J R		61914	WIRTZ L A	14252
WILLIAMSON G A	75819	31483 31484	62421	WILSON T		42476	WINKLER K	25774	83911	WIRUM U	81695
WILLIAMSON G D	94029		72312	WILSON T H		96080	WINKLER S	24940	86058	WISCHMEIER W H	2606
WILLIAMSON H	2020	WILSON C G	47187	WILSON T V		80672	WINKLER U		47921	70836 80722	
	41000	WILSON C H	54244	WILSON V E	37813	58110	WINKLER W G		82607	WISE B H	1445
WILLIAMSON H D	51492		9166	WILSON W F		29875	WINKS B L	37303	99448	WISE J	50180
WILLIAMSON J	20093	88845 99530	99530	WILSON W H		24939	WINKS R G		84237	WISE J A O	66968
22720 37531	39319	WILSON C M	48649	WILSON W K		20947	WINKS W R		43871	WISE K A	64240
WILLIAMSON J C	75914	WILSON C P	69606	WILSON W O	32125	64604	WINKWORTH R E		69135	WISE M B	3509 22131
WILLIAMSON J F	1910	WILSON C S	98382			96032		80454			



	ITEM		ITEM		ITEM		ITEM		ITEM
WISEMAN R F--CONT	72564	WITTMANN LIEBOLD	58111	WOLANIN K	71074	WOLLAMN N	45519	WOOD R K S--CONT	68209
WISEMANN E	12972	B		WOLANSKA L	53558	WOLLE H	12329		88820
WISER E H	11444	WITTMANN O	39866	WOLANSKI H	72469	WOLLENWEBER H	8142	WOOD R R	11109
WISER V D	98225	WITTMANN R 61095	108155	WOLCHUK N	13259	WOLLERMAN E H	23416		38922
WISHART L B	45871	WITTMANN W 3721	8634	WOLCOTT A R	39771	WOLLERSHEIM A	17398	WOOD S L	73503
WISHART R L	60699	39953 41383	41701		91187	WOLLGIEHN R	38326	WOOD T E	153
WISHNER L A	6405		91981	WOLCOTT R A	87532		59096	WOOD W A	3115
	65098	WITTMANN-LIEBOLD	47562	WOLD A	87393	WOLLHEIMER M	74674	WOOD W B	57341
WISK E L	29176	B	47563	WOLDEN T	62057	WOLLMAN N	2584	WOOD W W	1804
WISKICH J T	8633	WITTMER G	49009		103512	WOLLRAB J	3311	WOOD-BAKER C S	73735
	75353	WITTMER W	23627	WOLDENDORP J W	70413	WOLLRAB V	55624	WOOD-GUSH D G M	13439
	31233		104961		80136	WOLLUM A G	58934		13574
WISLINSKA I	93698	WITTMAYER E C	39422	WOLDMAR G	61940	WOLLWAGE J C	61425	WOODALL W	100761
WISLINSKI M	47189	WITTMUS H D	21006	WOLF A	107941	WOLMARANS E	73121	WOODALL W E	2065
WISMER C A	25887	WITTMUSS H D	80723	WOLF A DE	37964		95553		49471 49515
WISMER-PEDERSEN J	25948	WITTREICH W J	15570		49974	WOLOSZYN S	92603	WOODARD A	93531
	75593	WITTS G	34648	WOLF B F	43124		93391	WOODARD A	32125
WISNER A	84632	WITTSTADT H	84141	WOLF D	19272	WOLSKA	82139	WOODARD A E	21498
WISNER M	102108	WITTSTOCK I M	10140	WOLF D D	48924	WOLSKI T	38786	WOODARD A W	63457
WISNIEWSKA J	39530	WITTWER S H	6860	WOLF D P	44303	WOLSKY A	53364	WOODARD D B	105002
	70144		10141 29743	WOLF E	3102	WOLSTENHOLME D R	105784	WOODARD F O	7699
WISNIEWSKA L	82703		38243 38484	WOLF E A	58933	WOLTER D	97617	WOODARD G T	6427
	82704		58931 58932	WOLF E F	7077	WOLTER H	13892	WOODARD J R	52527
WISNIEWSKI J	5214		68847	WOLF F A	18683		106153	WOODARD O J	29812
	28614	WITZEL S A	24216		88846	WOLTER K E	91614	WOODBIDGE C G	910
WISNIEWSKI M	74845	WITZENHAUSEN W	70917	WOLF F R	81951	WOLTERS B	47418		48031
WISNIEWSKI T	52761		71037	WOLF F T	19440		69137	WOODBIDGE J M	74290
WISNIEWSKI J	41700	WITZGALL R	91534	WOLF G	89085	WOLTERS D	24941	WOODBURY G W	8507
	62423	WITZLEBEN A VON	74313	WOLF H	75664	WOLTON K M	11643		20207
WISSDOORF H	3912	WIXOM H G	13160		95363	WOLTON L B	62424	WOODBURY H G	80674
WISSELIGH T H VAN	33446	WIZEN E	57255	WOLF H J	103535	WOLTZ P	37815	WOODBURY R B	56758
WISSENBACH C	108761	WIZIGMANN G	103829	WOLF H J	67749	WOLTZ S S	90475	WOODCOCK D	27099
WISLER R	59863	WLADYKA E J	35317	WOLF H O	55167	WOLVESPERGES A	35214	WOODCOCK W H	81891
WISTER G S	90474	WLASOVA M N	87808	WOLF J N DE	22829	WOLZ G	50206	WOODE G N	22599
WISTRAND G	76	WLODARCZYK H	18236	WOLF J S	16226	WOMACK D	28550	WOODELL S R J	68359
WISTREICH G A	105809	WLODARCZYK J	95680	WOLF K	46490	WOMELDORF D J	94258	WOODFIELD B	18049
WIT C DE	87952	WLODARCZYK M	43743		97527		95112	WOODFIELD B R G	76948
WIT C T DE	38308	WLODARCZYK Z	49690	WOLF L	2313	WOMERSLEY H	14490		30613
WIT F	77845	WLODARSKI A	35926	WOLF M J	54132		14491 14492	WOODFORD E K	39580
WIT H C D DE	26831	WLODEK J	50438	WOLF R	5728		23575		49412
	77293	WNAG M T	89966	WOLF R E	40742	WOMERSLEY H B S	99045	WOODFORDE J	107095
WITCHER W	37173	WNEK M	26954	WOLF R M	25338	WOMERSLEY J S	8772	WOODHAM A A	81696
WITCZAK F	32337	WNEK W	24208	WOLF W	80673		4697		103149
	32409	WNEKOWSKI S	77846	WOLF W J	7254	WONDRAUSCH J	49772	WOODHAM R C	10656
WITEBSKI Z	24207	WOBER	55985	WOLF W W	26033		49773	WOODHAMS L	96057
WITEK A	4087	WOBER O	38931	WOLF W W	89607	WONG C M	101921	WOODHAMS P R	107690
WITEK T	49877	WOCHERT-KOBUSOWA	28608	WOLFANGER L A	76582	WONG C T	45454	WOODHEAD W D	30602
WITHERS R M	46639	I		WOLFE H R	98074	WONG E	100212		103072
WITHERSPOON J C	102430	WODLEY C	13770	WOLFE H S	42390	WONG F C	60749	WOODHOUSE V J	10890
WITNER C L	26911	WODE E	63230	WOLFE I A	49032	WONG H A	28391	WOODHOUSE W W	2623
	58930	WODE G	26148	WOLFE J A	66025	WONG H K	78839		70656 79263
WITKAMP M	80135	WODZICKA-TOMASZE-	13660	WOLFE J W	98808	WONG H R	64172	WOODING N H	64709
WITKOWSKY E	70412	WSKA M	13753	WOLFE L S	70697	WONG M M	31732	WOODING N S	107207
WITKOWSKA D	73278		104748	WOLFE R	83179	WONG P T Y	103071	WOODING R A	102168
	83378	WODZINOWSKI J	32124	WOLFE R H	25339	WONG P W	91181	WOODINGS H	74271
	83479		41947 62990	WOLFE R I	49514	WONG T T Y	42692	WOODLEY C H	61916
WITKOWSKI S	105326	WOEBSE A	38485	WOLFENBARGER D A	67054		63631	WOODLEY L M	65952
WITKOWSKI W	36426	WOELFEL C G	13175		14110	WONG T Y	54918	WOODLEY R G	100064
	83381		82161	WOLFENBARGER D B	23271	WONGSIRI T	23273	WOODMANSEE R A	99047
	83386		82305		32807	WONKA R	30480	WOODNOTT D P	72548
WITKUS E R	28260	WOELFFER E A	3309		94289	WOO C S	94030	WOODRING J P	53232
		3421	13176	WOLFENBARGER D C	32809	WOO J	47498		94769
WITMAN L	20094		41702	WOLFENBARGER D O	4873	WOOD A D	21429		95629
WITMER S W	88418	WOERFEL J B	34993		63676	WOOD A J	92265	WOODROFFE G E	5036
WITNAUER L P	55669	WOERHEIDE J D	30355	WOLFERS F	96398		92807		5431 5432 5433
	75568	WOERNER F	44302	WOLFERT J E	80455	WOOD A S	104067		5434 73290
WITRANT R	25381	WOERNLE F	32014	WOLFF A	13398	WOOD A W	34503	WOODROOF J G	6776
WITSCH H V	78877	WOESS H	79635	WOLFF A H	12997	WOOD B J	4874		31831 107402 107403
WITSCHI J	98488		101360	WOLFF E	13438	WOOD C	85648	WOODROW C E	17203
WITT A C	51830	WOESTE H D	95919	WOLFF F	93391	WOOD C A	58935		21939
WITT G A	13539	WOFATIT E	26298	WOLFF F E	84908	WOOD C H P	39573	WOODRUFF A W	52822
WITT G C	20319	WOGAN G N	22619	WOLFF G	2754	WOOD D	66961	WOODRUFF C L	5010
WITT G N	15569	WOGGON H	24395	WOLFF I A	74905	WOOD D G M	32038	WOODRUFF C W	98382
WITT H T	1267		57150	WOLFF J A	7302	WOOD D J	65014	WOODRUFF H B	58633
WITT J A	1913	WOHANKA K	31143		54132	WOOD D L	63982	WOODRUFF J G	41250
	88210	WOHLBIER W	12532		74380	WOOD D M	5337	WOODRUFF L C	57342
WITT L	8311		103148	WOLFF J P	16342	WOOD D R	2003	WOODRUFF M	69246
WITT L W	36300	WOHLER W H	22406	WOLFF J W	73171	WOOD E J F	539	WOODRUFF N P	2590
WITT M	3337	WOHLERS M A	38372	WOLFF K C	87610		67927		2876 20962 70252
	71981	WOHLERT W	19722	WOLFF P	89956	WOOD F A	38486		80724 81264
	82955	WOHLETT E	91446	WOLFF S	37826		47419	WOODRUFF R E	83913
		WOHLFARTH E	30237	WOLFF W	100015	WOOD F W	96447	WOODRUM H G	61024
WITT P R	24732		61051	WOLFFGANG H	99219		107057		102520
WITT T	76841	WOHLGEMUTH	5009	WOLFFHARDT D	38867	WOOD G	107536	WOODS C W	23035
WITTBRODT U	3101	WOHLKE W	102286		79360	WOOD G A R	16934	WOODS D	92928
WITTE E	34089	WOHLKEN E	76947	WOLFORD J H	4250		85176	WOODS E F	107806
WITTE E J	81888	WOHLRAB G	9367		4290	WOOD G B	52167	WOODS F W	68416
WITTE K	50358	WOHRMANN	16969	WOLFORD R W	93040	WOOD G F	7188	WOODS G D	26443
WITTE L G	84376	WOHRMANN K	47904		55104	WOOD G M	90747	WOODS G F	73073
WITTEKINDT E	73447	WOIDICH H	55695	WOLFRAM G	109203	WOOD G P	26522	WOODS G T	103907
WITTEKINDT W	23475	WOISIN A	72051	WOLFRAM L J	54827	WOOD G W	38486	WOODS I R	1268
WITTENKAMP R	21211	WOJACZEK-STEFFKE	93390		54917		83480	WOODS J C	20562
WITTER B	60116				54917	WOOD H	93923	WOODS J C H	24794
WITTER L D	85339	WOJAHN E	59399	WOLFRAU M	64378	WOOD H A	86932	WOODS J J	8538
WITTER R L	72623	WOJAHN K E	50794	WOLFROD M L	54132	WOOD I M	49397	WOODS M G	67773
WITTER W	29474	WOJCIECHOWSKA B	9536		59095	WOOD J C	19194	WOODS M J	19242
WITTERN K	56114	WOJCIECHOWSKI F	35581		61571	WOOD J E	17202		58936 69138
WITTICH N VON	71678		72982	WOLFSON A	106861	WOOD J F	8308	WOODS N R	16883
	79108			WOLFSTELLER W	81889		50495		108632
WITTICH W	2250	WOJCIK J	3383	WOLFSTWINKEL L D	1736	WOOD J H	80773	WOODS R	13575
		WOJCIK P	7636		68304	WOOD J S	22505		7392
WITTIG B	7113	WOJCIK S	92602	WOLFSWINKEL L D	18374	WOOD J W	7392	WOODS R D	18297
WITTIG G	33032	WOJCIK S	92602	WOLFSWINKEL L D	18374	WOOD L	58030		23418 105415
WITTIG H	32362	WOJEWODA K	98985	WOLGAMOT I H	15377	WOOD L A	86411	WOODS S G	23111
WITTIG W	75590	WOJNAROWSKA P	73278	WOLHELM	17242	WOOD L S	58031	WOODS T A D	94491
WITTK E	41382		83479	WOLIN M J	3261		68236	WOODS W	3458
WITTMAN H G	18349		105326	WOLINS L	8318		88673		22133 13644
WITTMANN E	63340	WOJTATOWICZ Z	61915	WOLINSKA D	90528	WOOD L W	30594	WOODSIDE J	20828
WITTMANN G	51614	WOJTCZAK L	5020	WOLINSKY J	59021	WOOD N B	106503	WOODSIDE B R	88498
WITTMANN H	34185	WOJTCZAK P P	54131	WOLKE H R	18048	WOOD N F	34568	WOODSON R E	57221
WITTMANN H G	476	WOJTERSKI T	89062	WOLKEN J J	10280	WOOD R A	50262		76951 77425
	47561	WOJOWICZ A	2928	WOLKOBOR Z	104966	WOOD R D	36972	WOODSTOCK L	10142
	58085	WOJOWSKA R	1240	WOLKOWYCKI W	71463	WOOD R F	36683	WOODVILLE H C	58133
		WOKATSC H	92095	WOLLACK C H	32300	WOOD R I	67391	WOODWARD C F	6813
						WOOD R K S	331		75339



WOODWARD G	ITEM	80675	WORTHINGTON N P	ITEM	60987	WRIGHT P A	ITEM	16865	108501	WUNSCHER H G	ITEM	42328		ITEM
WOODWARD G P		79636	--CONT			WRIGHT P G		95851	66230	WUNSCHER H		31038	Y	
WOODWARD H T		54339	WORTHINGTON R W		31339	WRIGHT P H		32241	68658	WUNSCHMANN H		40823		
WOODWARD J M		104212	WORTHMAN S	79123	79019				69940	41098	51119	51120	YAAGUS V	39423
WOODWARD K T		104910	WORZELLA W W		10391	WRIGHT P L			42217			81369	YAALON D H	60059 60294
WOODWARD M B		22366	59170	79128	79221	WRIGHT P W			71075	MURDACK J J		36938	YABARA M	87524
WOODWARD R S		31815			79362	WRIGHT R D	18480		91913	46641	88212	88345	YABE R	94414
		69993	WOS A	43895	84971				104631	MURDIG G	6285	15532	YABE S	20173
WOODWARD T E		84064	WOSINSKA A		37016	WRIGHT R H	63439		83281			44185	YABLOCHKIN A	74003
WOODWARD V W		58472	WOSTMANN B S		93394				94032			86933	YABLOKOV A S	21329
WOODMELL G M		591			104554	WRIGHT R L	20541		42986	WURGLER H		1446	YABLOKOV-KHNZORY-	94673
27454	68706	105078	WOUJA J O		94672				83155	WURSTER A C		92929	AN S M	
WOODWORTH R C		66687	WOUTERS A M		36775	WRIGHT S	27778		82480	WURSTER R T		25451	YABLONSKII E A	28263
	86909	87122	39150	39151	49159	WRIGHT S E	6139		24476	WURTELE K		39990		28264
WOODY R C		39070			49160				72516	WURZBURG O W		54132	YABU	31144
		104260	WOUTERS B A		17643	WRIGHT S F			73984	WURZEL P		50265	YABU K	34350 33883
WOODYEAR-SMITH H		59400	WOUTERS F A		65739	WRIGHT S J			53710	WURZIGER J	24733	24734	35853	108383 109212
WOOLCOCK B A		72134	WOUTERS J		45008	WRIGHT S T C			58938	44242	74365	84821	YABUKI K	6914
		73014	WOWK M		64734	WRIGHT T			102352	WUSSOW S		17429	YABUKI M	58940
WOOLDRIDGE D D		80725	WOWRA W		86166	WRIGHT T G	2711		71298	WUSSOW W	3042	17417	YABUKI Y	15937
WOOLDRIDGE D P		33132	WOYCHIK J H		75486	WRIGHT T R F			5339		32410	104092	YABUNO T	19677
WOOLDRIDGE W R		3312	WOYKE H	70188	96782				14671	WUTCH J G		68543	YACHEVSKII A A	46569
	31035	51574	WOYKE J	53091	53092	WRIGHT W B	15513		65773	WUTH E		91898	67542	87932
WOOLEY P H		17974	63791	63792	105473	WRIGHT W D C			8287	WUTKE A C P		11314	YACHIMOTO H	35854
		57805		105474	105475	WRIGHT W G			4623			11562	YADA S	41615
WOOLF C M		43125	WOYNAROWSKA S		39788	WRIGHT W J			20097	WUTT H		71121	YADA Y	33608
WOOLF W F	16603	87123	WOZINSKI Z	61402	81343	WRIGLEY C W			16123	WUTTK E		97931	YADAV A S	47048 47049
		87226	WOZNIACKI J		87227				34906	WUTTKY K		51011	47050	47051 47052
WOOLFOLK E J		79361	WOZNIAK W	71679	71884	WRIGLEY G			77628	WUTZ A		40852	YADAV B S	19245
WOOLFORD M J		47697	86619	86620	95758	WRIGLEY T C			27286	WUU K D		9593	YADAV I S	9991
WOOLG C M		33213	WOZNICA J	92969	93540	WRISLEY A L			84754	WUYTENS V		34649	YADAV J S P	11315
WOOLLEY D G		1675	WRAAE-JENSEN H		57343				84759	WYANT P		103513		40106 101777
WOOLLEY H		15378	WRAIGHT M J		37615	WRISLEY M D			66961	WYANT Z N		13370	YADAV P C	74808



ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
YAKURA K 94622	YAMAMOTO S 3913 13986	YANG C H 55986	YARWOOD C E 429	YEE H T 97708	ITEM
YAKUSHENKO I K 30747	72716 87600 99129	YANG C K 106065 106119	18240 18333 18381	YEE T B 89320	ITEM
YAKUSHEV V V 72038	YAMAMOTO T 13986 36172	106163 106164	27293 27351 47421	YEE W 101148	ITEM
YAKUSHEVA I M 79695	39681 49670 53735	YANG C P 59279	69146 99537	YEFIMOV V 45872	ITEM
YAKUSHEVA O V 82822	62719 64628 80246	YANG C S 106245	YASAITIS A 58803	YEH B 9634	ITEM
YAKUSHIJI E 38647	YAMAMOTO Y 54503 69332	YANG C T 8556 102353	YASGUR I 105145	YEH C F 102075	ITEM
YAKUSHIJI K 20427	YAMAMURA B 29838	107592	YASHENKINA M I 81704	YEH C H 34794	ITEM
YAKUTILOV M R 30041	YAMAMURO K 29085	YANG C W 2851	YASHEVA E YA 40134	YEH C L 90583	ITEM
YAKUTINA E V 34018	YAMANAKA F 32135	YANG C Y 106246	YASHIMA A 32735	YEH H K 101087	ITEM
YAKUHA H 83681	YAHANAKA I 95760	YANG F P 70189	YASHKUL V K 73512	YEH H L 56050	ITEM
YAKUMA T 58848	YAMANAKA K 24877 32136	YANG H 48329 69145	YASHO T 35329	YEH M H 35451 35452	ITEM
YALAN E 53985 56624	35217 36301 55751	YANG H C 102261	YASTREMSKII V YA 72766	YEH P C 102771	ITEM
98117	93255 97356 98335	YANG H J 23239	YASU M 84589	YEH P Y 69333	ITEM
YALCIN B C 93600 104560	101866	YANG H T 88677	YASUDA H 21704	YEH S F 46687	ITEM
YALCIN N 22837 92033	52	YANG L 23016 78573	YASUDA I 20099	YEH S H 63595	ITEM
YALE J W 11645 102072	YAMANAKA M 33609 35491	YANG L S 65824	YASUDA M 92098 92099	YEH T P 80457	ITEM
YALOVENKO F 53882	23714 51999	YANG L W 89795	YASUDA S 27779 28217	YEH Y C 31042 93870	ITEM
YALOVOI A A 20805	YAMANAKA T 1447 68417 99810	YANG P H 45475 45944	87525 23491	YEH Y L 94293	ITEM
YALTIRIK F 78073	YAMANE C 81479	56073	YASUDA T 22227 22266	YEH Y Y 48498	ITEM
YAMADA H 20563 20806	YAMANE G 11367	YANG P L 102073	43557 97406	YELENOSKY G 77807	ITEM
YAMADA J 31071 41654	YAMANE I 2454 49910	YANG S C 78880	YASUDA Y 22227 22266	YELLAND W E C 25198	ITEM
YAMADA K 11155 31776	YAMANE J 30749 62717	YANG S F 1448	YASUDA Z 97406	YEMM E W 28135	ITEM
32126 41779 74366	63184 72669	YANG S H 91899	YASUE M 14047	YEN C C 105406 106526	ITEM
YAMADA M 41703 45520	16477 26329	YANG S M 77757	YASUE N 23493 83690	YEN C D 107209	ITEM
59098 81344 96382	YAMANOUCI K 13827	YANG S S 69333	YASUE Y 28105	YEN C E 70044 79747	ITEM
97618 108220	63275	YANG T H 56359	YASUI T 104527 108956	YEN D F 33447	ITEM
YAMADA N 19246 38488	76842	YANG T K 90895 90896	YASUMATSU K 54134	YEN D F 100147	ITEM
100535	YAMANOUCI M 30141	90898	84111 107539 107540	YEN S W 105081	ITEM
YAMADA S 9299 19247	YAMANOUCI T 40971	100538	YASUMATSU N 58790	YEN S W 92097 104731	ITEM
28886 29437 32127	YAMAOKA 33829	40679	YASUMURA S 53122 94622	YEO P F 33350 77175	ITEM
32648 32649 35855	YAMAOKA R 11908 56529	100539	YASUNAGA T 38491 107541	98987 100540	ITEM
62935 62991 76223	37162 45574	52149	YASUNO M 5487	YEO R 75681	ITEM
92604 93532 97403	YAMAOKA T 807 105736	94790	YASUNOBE Y 27066	YEO R R 2061 29382	ITEM
YAMADA T 5341 16338	YAMASAKI Y 58032	102769	37163 37385	49414 90749	ITEM
37817 47420 68603	YAMASAKI Y 83681	76528	YASUNORI K 30824	YEOM F B C 91535	ITEM
81622 99536 100627	YAMASHITA A C 10145	39740	YASUO M 101886	YEOMANS A H 23050	ITEM
YAMADA Y 38409 39848	YAMASHITA K 77238	80733	YASUO S 18050	YEOWELL G W 20301	ITEM
47834 59012 60264	YAMASHITA R 96382 97405	38524	YASUTOMI R 39671	48517	ITEM
67928 93041	YAMASHITA S 19248	49574	YATAZAWA M 39810 60225	YEPEZ D S 41857 42013	ITEM
YAMAFUJI K 28402 44610	YAMASHITA T 19249	11161 48496	YATES A R 25376	42218	ITEM
83720 100668 105493	YAMASHITA T 19331	59099	48766 57402	YEREX D K 24795 74735	ITEM
YAMAFUJU K 44609	36302 39762 60188	66134	109118	YERGANIAN G 82515	ITEM
YAMAGAMI M 97932	69143	8287	YATES J 2009	YERMANOS D M 10530	ITEM
YAMAGATA H 37920 37921	3861	58892	YATES J D 22580	26150 28267 78893	ITEM
YAMAGATA Y 32016 32128	YAMAUCHI F 12436	96034	YATES J R 25278	90226 100541	ITEM
YAMAGAWA Y 97933	YAMAUCHI K 70658 74816	YATES K N 6356	YATES M 49952	YESILSOY M S 80156	ITEM
YAMAGISHI H 37818	YAMAUCHI S 82306	YATES M G 19252	68809	YEUTTER C 20949	ITEM
78231	YAMAUCHI T 28343 35734	YATES P L 66733	77730	YEZOU M 59666	ITEM
YAMAGISHI T 26925 26926	108050	YATES R A 60019	60535	YI N S 41384	ITEM
103379	40782	YATES R J 72313	72313	YIANNOS P N 91719	ITEM
YAMAGIWA S 51950 104466	77	YATES S G 34505	34505	102985	ITEM
YAMAGUCHI A 18379 18380	YAMAWAKI S 102593	YATES W 68096	68096	YIGITER M 45516	ITEM
47564 99631	YAMAWAKI T 29124	5873	5873	YIH R Y 1273	ITEM
YAMAGUCHI C 49623	YAMAZAKA S 29124	42649 64419	42649 64419	YIM K B 9538 102667	ITEM
YAMAGUCHI H 37922	YAMAZAKI H 42841 88894	95825 106367	95825 106367	102772	ITEM
42794 42795	YAMAZAKI K 9452 9537	4832 64058	4832 64058	YIN H C 58941 100544	ITEM
YAMAGUCHI K 40795	YAMAZAKI K 19250 29135 37707	580175 58203	580175 58203	YIN K L 46676 89495	ITEM
YAMAGUCHI M 1276	37819 100536	39092 85808	39092 85808	YIN S L 64380 64576	ITEM
35329 55163	YAMAZAKI M 5027 31072	60029	60029	YIN W Y 95681	ITEM
YAMAGUCHI N 81474	YAMAZAKI S 54921 64766	YATSENKO K H 91217	YATSENKO K H 91217	YING C K 430 37080	ITEM
YAMAGUCHI R 81211	74462 84793 94611	YATSENKO V A 74015	YATSENKO V A 74015	YING H K 78222	ITEM
YAMAGUCHI S 27655	YAMAZAKI S 29136 75355	YATSENKO V G 80456	YATSENKO V G 80456	YING M 56613	ITEM
1138	YAMAZAKI T 154 11908	YATSENKO V S 86480	YATSENKO V S 86480	YING T 20950	ITEM
9716 25353 98725	18481 27455 28265	97487	97487	YIP G 75487	ITEM
100167 100390 100730	68605 98986	YATSENKO-KHMELEV-SKII 41187	YATSENKO-KHMELEV-SKII 41187	YIP G 75487	ITEM
YAMAGUCHI T 37863 38885	54132	YATSIKISHIN A I 4577	YATSIKISHIN A I 4577	YIP G 75487	ITEM
105847	64418	4611	4611	YIP G 75487	ITEM
YAMAGUCHI Y 27058	YAMAZAKI W T 28560	4291	4291	YIP G 75487	ITEM
29064 41119	54132 9633	YATSKUNAS K 26149	YATSKUNAS K 26149	YIP G 75487	ITEM
81286	64418 38357	YATSU L 66135	YATSU L 66135	YIP G 75487	ITEM
92466	81854	YAU W 28266	YAU W 28266	YIP G 75487	ITEM
YAMAGUISHI C T 26914	YAP F 100623	YAVORSKII A 43640	YAVORSKII A 43640	YIP G 75487	ITEM
108512	38357	YAVORSKII A A 15274	YAVORSKII A A 15274	YIP G 75487	ITEM
YAMAGUISHI N 88476	YAPTENCO R C 21554	YAVUZ L 20640	YAVUZ L 20640	YIP G 75487	ITEM
YAMAGUISHI N T 9449	YAPTENCO R C C 50512	YAVYA A R 42495	YAVYA A R 42495	YIP G 75487	ITEM
88477	89001	YAWALKAR K S 60536	YAWALKAR K S 60536	YIP G 75487	ITEM
YAMAGUSHI S 18543	YANACHKOVA D 31486	26111	26111	YIP G 75487	ITEM
YAMAGUTI N 5361	93396	YAWATA I 79223	YAWATA I 79223	YIP G 75487	ITEM
YAMAI R 40421 40422	YANAGAWA R 51615 52148	YAWATA S 31236	YAWATA S 31236	YIP G 75487	ITEM
41182 41183	104935	YAWATA Y 53110	YAWATA Y 53110	YIP G 75487	ITEM
YAMAI S 41182 41183	YANAGAWA T 28151 84420	YAWORSKI M 29598	YAWORSKI M 29598	YIP G 75487	ITEM
YAMAJAKO A 55696	54906	YAYANAGI S 29849	YAYANAGI S 29849	YIP G 75487	ITEM
YAMAKAMI T 97303	YANAGIDA M 35294	102951	102951	YIP G 75487	ITEM
97395	YANAGISAWA K 93880	YAZAWA M 34650	YAZAWA M 34650	YIP G 75487	ITEM
97396	YANAGISAWA N 100537	YAZELL D H 90598	YAZELL D H 90598	YIP G 75487	ITEM
YAMAKAWA T 81287	19251	YAZKULYEV A 38788	YAZKULYEV A 38788	YIP G 75487	ITEM
YAMAKAWA Y 35318	38490	YAZVITSKII M N 21041	YAZVITSKII M N 21041	YIP G 75487	ITEM
YAMAKI T 78213	49500	YCAS M 23483	YCAS M 23483	YIP G 75487	ITEM
79380	YANAGITA T 729 755	YDE-ANDERSEN A 9172	YDE-ANDERSEN A 9172	YIP G 75487	ITEM
YAMAMA T 41185	YANAGIYA K 102593	27255 37391 47422	27255 37391 47422	YIP G 75487	ITEM
YAMAMIGA U 29837	YANAI S 25679 33830	50822 77849	50822 77849	YIP G 75487	ITEM
YAMAMOTO A 3725	36039 44980	65995	65995	YIP G 75487	ITEM
60186 60187	YANAKIEVA E 58939	10897	10897	YIP G 75487	ITEM
YAMAMOTO F 32134	YANASE T 14331	56229	56229	YIP G 75487	ITEM
YAMAMOTO H 6655	YANASE Y 48433 100051	33610	33610	YIP G 75487	ITEM
25429 26873	YANATEVA E 78879	67055 108124 108557	67055 108124 108557	YIP G 75487	ITEM
52116 79638	YANCEY F S 41833	41149 61509	41149 61509	YIP G 75487	ITEM
88421 90479	YANCEY R K 102839	55506 65897	55506 65897	YIP G 75487	ITEM
YAMAMOTO H Y 6936	YANCHILIN L 12529	72314	72314	YIP G 75487	ITEM
55017	YANCHILIN L V 12925	YEATES J S 39323	YEATES J S 39323	YIP G 75487	ITEM
YAMAMOTO I 63440	YANCHUK V F 69144	33602	33602	YIP G 75487	ITEM
YAMAMOTO K 19078	YANDEHEY R C 43132	32411	32411	YIP G 75487	ITEM
31875 32017	YANDERS A F 32125	82956	82956	YIP G 75487	ITEM
32130 32131	YANEV D 28471 28652	102074	102074	YIP G 75487	ITEM
32133 48305	56530 103625 105461	2455	2455	YIP G 75487	ITEM
93167 93395	93897 104145	2136	2136	YIP G 75487	ITEM
97404 97689	YANEV E 42455	18482	18482	YIP G 75487	ITEM
87124	YANEZ J 27341	33668	33668	YIP G 75487	ITEM
YAMAMOTO O 93184	YANEZ-MARQUEZ O 37228	20472	20472	YIP G 75487	ITEM
YAMAMOTO R 62786	YANG B Y 46949	78881	78881	YIP G 75487	ITEM
YAMAMOTO R T 32627	YANG C 12399	67393	67393	YIP G 75487	ITEM
43306	YANG C C 97949			YIP G 75487	ITEM
	YANG C F 59138			YIP G 75487	ITEM



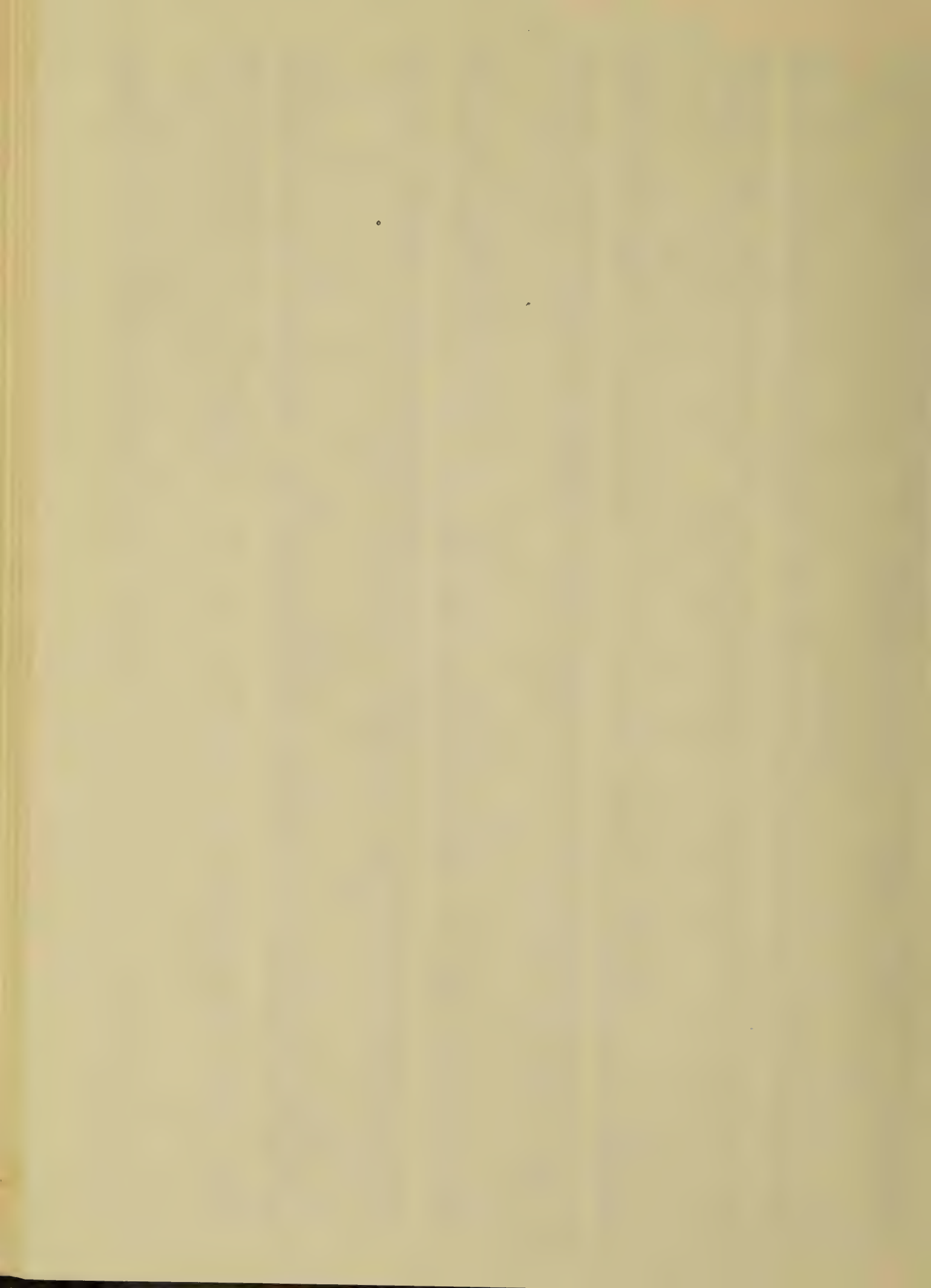
ITEM	ITEM	ITEM	ITEM	ITEM	ITEM
YONEKURA T 40432	YOUNG C E 51039	ITEM 51166	YU D T 64767	YUSUPOV A A 100546	ZAHARCHUK A 29385
YONEMOTO T 37863 38885	YOUNG C W 41476	62056	YU E 64802	YUSUPOV M K 89960	29386
YONEMURA H 93397	YOUNG C W T	58033	YU H C 66735 86934	89961	ZAHARESCU M 103476
YONEMURA J 24193 33736	YOUNG D	61388	YU I H 95114	76098	103577
YONEMURA T 3227 3274		105082	YU I P 60773 60774	31487	ZAHARIA M 5711
YONENO K 35217	YOUNG D A	74102	YU L M 58034 88847	39763	ZAHARIAI C 11126
YONENO Y 97407 97935	YOUNG D F	99180	YU M H 437	61919	36762
YONEYAMA K 37164 44718	YOUNG D W	99538	YU P K 88957	24943	ZAEER S H 97217
	YOUNG E C 33291	33292	YU P Y 106108	26722	ZAEHER M A 63441 64241
YONEYAMA T 108809	YOUNG E P	22932	YU S C 100880	90368	ZAHID N UD D 97267
YONEZAWA S 1100	YOUNG F N	14581	YU S I 90005	73152	ZAHIU L 92125 97626
YONEZAWA Y 81564	YOUNG F S	65905	YU S T 106167		97686
YONG R 20406	YOUNG G	49398	YU S V 100543 100544		67889
YONG R N 60067	YOUNG G A	3615	YU T C 82492 91417		77240
YONGBONKJRD U 77239	YOUNG G A	4601 83097	YU T F 91217	Z	25280
YONKE J B 108355	YOUNG G B	4581	YU T J 91327 101991		45031 75155
YOO B Y 89943		72294	YU T M 107133		75156 107210
YOOPRASERT T 48767	YOUNG G E	60701	YU W S 90836	ZAAG D E VAN DER 59912	ZAHNER H 47054
YOPS C J 77629	YOUNG H	91736	YU Y 105083	1485 64968	ZAHNER R 21231 89958
YORDANOV FH 30898	YOUNG H E	20321	YU Y C 60702	76513	ZAHNISER H 46040
YORDANOV M 29137		30665 40728	YU Y H 106415	1074 87778	ZAHNLEY J C 89962
YORK E T 39025 44586		50998	YU Y N 100545	28926	ZAHOI Z 92605
	YOUNG H H	98200	YU-SUN C C C 48500	ZABALA LAPBYRA J 28926	ZAHOOH ALI M 62354
YORK G K 66734 108356	YOUNG H W	58908	YUAN C I 90837	A	ZAHRAH G E D 31700
6904 6937	YOUNG J A	22280 33351	YUAN I C 90837	ZABALA S 18051 28926	ZAHUT H 52413
33737 55052	YOUNG J A	19608 22033	YUAN L T 12331 56002	ZABALA-LAPEYRA J 32412	ZAIBET R 4234
YORK H 2005		24796 26202	YUAN S C 60703	A	ZAICHENKO L P 50688
YORK J C 44032 65505		42087 52000	YUAN T L 101779	ZABASHTANSKII S A 2067	ZAICHIKOV B V 1512
4833 48768		56897 56898	YUAN T C 100732	ZABAVA I 61686	ZAIDELMAN F R 40319
69452 78622	YOUNG J D	9262	YUAN Y M 94753	ZABAVA V 24025	ZAIRONIKOVA T I 57665
YORK L F 97619		32736	YUASA A 9540 100017	ZABAZNYI P A 7437	ZAIRKOVA V A 37617
YORKE D M B 81033	YOUNG J E	32238		7438 90227 107899	78074
YORKE R W 30644	YOUNG J L	80085	YUCHENKOV M 84453	ZABEL M 57356	ZAIRKOVSKA N E 78335
YOSHIDA D 10281 38648		80087	YUDACHEV S A 16867	ZABEL R A 47190 47423	ZAIRKOVSKEYA N E 100018
YOSHIDA J 4433 4434	YOUNG J D	5052	YUDELMAN M 86605	76630	ZAIROV M 26874
93699 93700	YOUNG J R	63598	YUDHNEVICH L A 63666	ZABELIN V D 33637	ZAISHLVY V I 100549
YOSHIDA K 19248 29839	YOUNG L B	19253	YUDIN A 52080	ZABELTITZ C VON 66183	ZAITLIN M 38650 47565
34412 35319 97363	YOUNG L C	59814	YUDIN F A 60537 70610	ZABENKOVA K I 10227	ZAITSEV A 79993
YOSHIDA M 13475 13476	YOUNG L R	41948		ZABIELSKI B 61015	ZAITSEV E 35735
35492 35583 97620	YOUNG M	82358	YUDIN V G 102773	ZABIELSKI S 21331	ZAITSEV G N 28272
97936 101778	YOUNG M A	85610	YUDIN V M 104591	ZABIEROWSKI K 35431	ZAITSEV V B 40320
YOSHIDA N 51951 104725	YOUNG P A	319 320	YUDINA A 2456	40108	ZAITSEV V F 53366
YOSHIDA R 19751 23497		8976	YUDITSEVA E V 8977	ZABIEROWSKI M 75488	ZAITSEV V I 55340
25531 25777 26454	YOUNG P W	37142 37166	28270 48118 58945	ZABIROV SH M 43126	ZAITSEV V S 29876
26955 35929 108383	YOUNG R	37168 39012	69150 108948	ZABKO-POTOPOWICZ A 77051	ZAITSEVA A G 10562
YOSHIDA S 41324 47699		99260 99261	YUOKIN J 84773 5083		ZAITSEVA E 39233
96452 39674	YOUNG R A	11646	YUEH C S 5083	ZABOEVA I V 2257	ZAITSEVA G N 2251
YOSHIDA T 33884 39675 39676		57789 99260	YUFEROV V A 100743	ZABOKLICKI W 99674	ZAITSEVA M G 38495
60229 60230 80137		106537	YUGI H 3593 4384	ZABOLOTNAYA E S 28403	ZAITSU H 102485
YOSHIDA Y 43554 47924	YOUNG R C	38263 75353	YUHARA M 13617 93558	ZABOLOTNIKOV N S 94209	ZAJAC C 44981 86061
78333	YOUNG R E	5012 73848		ZABOLOTNYY I I 13793	ZAJAC H 92511
YOSHIE S 58943		73849	YUI C 53123	84699	ZAJAC K 34506
YOSHIMARA K 38174	YOUNG R H	37126 100171	YUILL J S 13940	ZABOLOTSKAYA T G 2137	ZAJAC Z 99686
YOSHII H 18382	YOUNG R J	4114 22535	YUILL T M 4784	ZABRISKIE F I 66433	ZAJACZKOWSKI T 73986
YOSHIKAWA H 33216	YOUNG R S	31876 31877	YUIZE Y 34958	ZACARIAS M 92692	ZAJANC A 322
YOSHIKAWA I 105744	YOUNG R T	104303	YUKELSON M D 19723	ZACCARIA V 10686	ZAJANCAUSKAS P 52973
YOSHIKAWA K 53458		38649 104303	YUKI I 32138	23017	53460
	YOUNG R L	60717	YUKOVA G S 37824	ZACEK J 13762	51216
YOSHIKAWA M 10213	YOUNG R R	29383	YUKSEL M 63599	ZACH A 95689	23629 23630 43042
YOSHIKAWA S 34994	YOUNG R W	52819	ZACHA V 37136	ZACHAR D 30133 30173	53297 63983
	YOUNG S	13100	ZACHAR D 30133 30173	ZACHARIAE G 5632	ZAJIC J 75748
YOSHIKAWA T 35857 35858	YOUNG S S	31042	ZACHARIAH J 84946	ZACHARIAH J 84946	ZAJIC J E 106066
	YOUNG T W	57862	ZACHARIAS B 20503	ZACHARIAS H 7927	ZAJICEK D 3313 4252
YOSHIMEKI M 105885	YOUNG V D	84588	ZACHARIAS H 7927		42066 52300 62880
YOSHIMOTO C M 73783 84112	YOUNG W	48707	ZACHAR R 106726	ZAJONC I 14600	
YOSHIMOTO S 79169	YOUNG W D	61510	ZACHARUK R Y 5215	ZAJTA A 36601	
YOSHIMOTO T 41042	YOUNG W J	33217	106727	ZAK B 20504	
YOSHIMURA 74494	YOUNG W S	16856	5215	ZAK E G 38651	
YOSHIMURA F 27067	YOUNGBERG C T	58934	14582	ZAK F W 81893	
		79991 91558	70459	ZAK K 15191 106307	
YOSHIMURA I 24382	YOUNGBERG H	75820	91003	ZAK L 91190	
26979 99810	YOUNGE O R	19552 28563	109200	ZAKA-UR-RAB M 64242	
		59974 70634	96081	83812 84012 84113	
YOSHIMURA K 55427	YOUNGER R L	4749	90555		84183
YOSHIMURA M 40865		14081 23127 23178	ZACHER F 83529 109155	ZAKAMYRDIN I A 105096	
YOSHIMURA S 18264		32238 41316 42457	ZACHOS D G 17950 88848	ZAKARYAN M 84428	
		63165 104125 105147	88849 88864	ZAKAS P 42341	
YOSHIMURA T 43583	YOUNGER V B	101364	ZADDACH M 99307	ZAKHARCHENKO I G 29467	
YOSHINAGA A 33958	YOUNGKEN H W	68446	ZADOKS J C 9173 27256	ZAKHARCHENKO I H 29585	
YOSHINO K 35215		90754	ZADVORNOV S 33638	ZAKHARENKO V A 69151	
YOSHINO M 10146	YOUNGMAN V	1086	ZAEHRINGER M V 6938	70190 79867	
37165 84589	YOUNGMAN V B	29384	16064	ZAKHARENKO Z P 86638	
YOSHINO U 74816		78604	94260	ZAKHAREV N E 52409	
YOSHIOKA H 63486	YOUNGQUIST C V	91326	10277	ZAKHARIEV D 92100	
YOSHIOKA I 32571 33885	YOUNGQUIST R W	64748	59100	ZAKHARIEVA-STRILOVA B 63984	
YOSHIOKA J 32019 62992	YOUNGS C G	35200 55697	4435		
67392 72699		97260	YURCHENKO V T 108558	ZAKHAROV I A 9635	
	YOUNGS E G	11796	YURCHISHIN V V 79226	ZAKHAROV V K 71122	
YOSHIOKA K 592	YOUNGS R L	12461 101689	YUREKLI A 30831		
28562 32019 68418	YOUNGS R W	101689	YUREV E 53736	ZAKHAROV V P 60704	
	YOUNIS H	37305	38494	ZAKHAROVA E I 19921	
YOSHIOKA S 40196	YOUNIS M E	69168	67253		24088
YOSHITA M 79737	YOUNTS S E	2180 69149	ZAGAJA S W 58947	ZAKHAROW S S 86935	
YOSHITAKE N 23480		20958	ZAGAR I 90584	ZAKHARYANTS I L 89811	
23482 83683	YOURCHIK M	71732	YURKEVICH I D 30194	ZAKHEI SH 30748	
105479 105480	YOUSEF M H	35009	40784 46642 71173	ZAKHRYALOV YA N 4612	
YOSHITSUGI C 79639	YOUSSEF A A	52001	71299	ZAGHI S G DE 76845	
YOSHIWARA C 33784	YUSKA G J	71004	YURKEVICH I V 102564	ZAGHNAILO N N 70045	
68097 90367	YSSELDILK W E P	70808	YURKIN S N 107240	ZAGONI I 41121 41122	
YOSHIZUMI H 24735			YURKOVSKAYA T K 37616	ZAGORCIC A 62500	
			YURKOVSKYI S YA 106379	ZAGORSKI W 78976	
YOSII R 23968			YUROV K P 13149	ZAGRODZKI S M 16478	
YOTEI T 30172	YSTGAARD O M	74712	17920	16479 16480 16481	
YOTSUKATA S 79224	YTTERBORN G	87527	57659 68419	16482 16483 16484	
	YTTERBORN G R	27122		35370 55964	
YOU M H 86412		108759	YURTSEV B A 46605	ZAGRODZKI S M 16478	
YUUMANS E G 45439	YU C	66182	YURTSEV V N 67711 69348	ZAGULYAEV A K 84182	
	YU C H	57848 63595		ZAGULYIN P 16868	
YUUMANS J B 3994		65603 101593	YUSA T 1365	ZAHACZEWSKA M 63793	
YOUNG A 11219 27458	YU C J	9633 28268	YUSHKOV P I 9902	ZAHACZEWSKI J 73015	
YOUNG B A 52484		28269 28564	YUSKOVETS M K 12753	ZAHAN D 87236	
YOUNG B S 36003	YU C K	104153	YUSPUPOV G F 34256	ZAHAN P 90085	
YOUNG C 17330	YU C W	106166	YUSUFBEKOV KH 48926	ZAHARA M 20209	
			YUSUI T 30799	55210 64466	



	ITEM		ITEM		ITEM		ITEM		ITEM
ZAKOMYRDIN A A	13577	ZANNA L	53757	ZAYANCHOVSKII I F	76999	ZEMAN G O	2006	ZHEREBTSOV V V	60707
L A		ZANNELLI C	31488	ZAYED I E	62427	ZEMAN I	25779	ZHERNOSEK T P	82307
ZAKOPAL J	13384	72670	104467	ZAYED M N	2677	ZEMAN J	43786	ZHENTNI M P	49826
52120	62638	ZANNONI L	85496	ZAYED S M A D	53096	ZEMJANIS R	41386		70414
ZAKORDONETS A I	77044	ZANON V	50181		61633	ZEMKOVA R I	105395	ZHIDKIKH Z A	82705
ZAKOSEK H	11416		54743	ZAYKOV A	53737	105408	105409	ZHIDOVICH O V	48457
ZAKRIA S M	17993	ZANOSCHI V	57696	ZAYLSKIE J	50933	ZEMLA J	42506	ZHIDOVINOV V P	33662
ZAKRZEWSKA B	40321	ZANT R	27892	ZAYLSKIE J J	46935	ZEMLYANUKHIN A A	78886	ZHIGACHEV A V	70261
ZAKRZEWSKA G	12851	ZANTEN B O VAN	67914		50823	ZEMMER E M	36475	ZHILIN P	16869
ZAKRZEWSKI A	3712		67915	ZAZOU H	63941	ZEMSKAYA A A	14048	ZHILINA Z	8892
ZAKRZEWSKI T	74736	ZANTEN E VAN	9174	ZBANDOUT L	97140	ZEMTSOV P	73448	ZHILINSKII V A	39682
	74737	ZANTEN M V VAN	46643	ZBARSKII I B	73462	ZENCHENKO V A	28405	ZHILIN B D	71077
ZAKRZEWSKI W	87125	ZANVIT J	2915	ZBIEC I	50065	ZENCHENKO V S	105351	ZHILKINA M D	841
ZAKRZEWSKI Z	43795	ZANZUCCHI A	97166	ZBRALEVICH L I	16763	ZENI E R	8310	ZHITKEVICH E N	83390
ZAKRZEWSKII P D	75871	ZAORSKA H	16484	ZBROG A	16764	ZENK M H	19256	ZHITKOV A I	49607
ZAKS P G	83206		107949	ZDELAR F	103213		100733	ZHIVCHIKOV N	95824
ZAKS V G	40319	ZAPATA L R DE	44033	ZDENEK M	40866	ZENKER R	12304	ZHIVIN G	65867
ZAKUSILO P	66833	ZAPATA-ACOSTA J	19724	ZDERKIEWICZ L	55698	ZENKEVICH L A	88056	ZHMAEVA Z M	83786
ZALA F	74315		44033	ZDONAZIL Z	48092	ZENKOVA E YA	47055	ZHMUD V A	11668
ZALASHKO L	25015	ZAPF R	7916	ZDOBNOV E I	60706	ZENKTELER M	81480	ZHOLKEVICH V N	48503
ZALASHKO M	24878		66871	ZDRAVKOV G	61617	ZENNYOZI A	9636	ZHORDA N	32202
ZALASKY H	58035	ZAPOROZHCHENKO A	60705	ZDRAVKOV K	12140	ZENOVIU B	101780	ZHORIKOV E A	80460
ZALECKA M	19266	ZAPOROZHCHENKO A	102161	ZDROJEWSKI T	43744	ZENTMEYER G A	324	ZHOROVIN N A	85802
ZALECKI R	70516				54000		37170	ZHUKOV G G	26884
ZALENSKII M E	102602	ZAPPAROLI R	108152	ZDRUKOVSKAYA-RI-	28273	ZENTMYER G A	9003	ZHUKOV A B	70968
ZALEPUKHA S I	75224		108153	ZHTER A I	28274	37199	37215	ZHUKOV I	106280
ZALESKI A	28710	ZAPPI A	76977	ZDYBEK J	90210	37288	37393	ZHUKOV L B	100384
ZALESKI K	27257	ZAPPOLI A	62318	ZEBE E	23715	77655	77656	ZHUKOV M S	49774
		ZAPROMETOV M N	28404	ZEBE V	83914			ZHUKOV O S	27657
ZALESKI M	97438		67393	ZEBENKA R	41260	ZENTNER H	34906	ZHUKOVA G	50182
ZALESSKAYA-CHIRK-	8555	ZAPRYANOV Z I	40109	ZEBRACKI A	13363	ZENTZ C	6537	ZHUKOVA G YA	28406
OVA E F		ZARACOVITIS C	27259	ZEBROWSKA T	51459	ZERBELE I	27260	ZHUKOVA L M	49002
ZALESSKII YU M	23476	ZARDI O	52062		54744	ZERKOWSKY F	20100	ZHUKOVA R A	101837
ZALEVSKII A	53669	ZAREBA R	71534	ZEBROWSKI J	63342		27587	ZHUKOVSKII D	44805
ZALEWSKA W	89397	ZAREMBA P	56702	ZEBROWSKI L	32021	ZERMATI J F	84379	ZHUKOVSKII K A	11800
ZALEWSKI P	24056	ZAREMBA W	84378	ZEBROWSKI Z	26151	ZERNICEK D	3686	ZHUKOVSKII P M	53
ZALEWSKI S	65917	ZARIBNICKY F	27531		52508	ZERNOV V I	30260		8466
ZALEWSKI W	65785	ZARINA D	21833			ZERONIAN S H	25281	ZHUMAGALIEV B	25780
	93757		31162	ZECH A C	58797	ZEROVA M YA	67990	ZHURAVLEV B N	69454
ZALIK S	68769	ZARIS F	22999	ZEDDIES L	43836	ZERPA H E	48676	ZHURAVLEV E M	96707
ZALIS A I	2457	ZARIPOVA G M	73356	ZEDER F	74760	ZERT P	4622		96656
ZALIWSKI S	38991	ZARKA A M EL	77850	ZEDNIK F	81034	ZERVAS N P	52168	ZHURAVLEV I	99262
		ZARNEA G	61764	ZEDNIK M	13874	ZESKOV B	71841	ZHURAVLEV I I	99262
ZALKIN V I	103411	ZARNOWSKI E	81894	ZEEB K	13401	ZETELLI G	37185	ZHURAVLEV V	70660
ZALKOW L H	7338		92101	ZEEUW A DE	57334	ZETHNER-MOLLER O	23417	ZHURAVLEV V M	50183
ZALPOOR N	57978	ZAROOGIAN G E	38496	ZEEUW D DE	107404	ZETKIN M	87792		63343
ZALTSMAN L M	76369		89771	ZEEUW F A DE	62936	ZETSCHKE K	9542	ZHURAVLEVA V P	15574
ZALUCKI G	82856	ZARRAGA J C	87126	ZEEUW J W DE	36566				29568
ZALUD J	75689	ZARROW M X	32165	ZEEVAART J A D	19255	ZETTERBERG G	78336	ZHURAVLEVA Z A	77190
ZAMACOIS R	75157		87229		69153	ZETTERSTROM P	29138	ZHURBA V A	82906
ZAMAN A	1334	ZARTMAN I W	98045	ZEGHAL H	101051		49281	ZHURBITSKII Z I	40110
19412	19413	ZARUBAIILO T YA	47925	ZEGHETMAYR J W L	60859	ZETTL H	7743		10111
89927	100697		89321	ZEHLE E	45552	ZETTL K	12636		10148
ZAMAN V	33243	ZARVA V	50245	ZEHRENG C S	95682		83018		80459
ZAMANOV P B	58948	ZARZYCKA H	27117	ZEIDLER G	81212	ZEUNER F	17085		89773
ZAMANYI V	16870	ZARZYCKI J	52585	ZEIDLER H	109167				100553
ZAMBACH-BITTERA R	96624	93898	104213	ZEIDLER K H	41539	ZEUNER F E	87127	ZHURMAKOVA M A	103778
ZAMBELLI N	42566	ZARZYCKI K	47602	ZEIDERT O A	69543	ZEUSCHNER I	42361	ZHURMAKOVA M A	92607
ZAMBETTAKIS C	88850	ZASEDATELEVA G S	82307	ZEIFMAN P	90024	ZEVAKHIN A M	106416	ZHUZHIKOV D P	23716
ZAMBETTAKIS C E	52974	ZASHEV B	12303	ZEIGLER T R	17380	ZEVAKHIN L G	102444		73685
ZAMBIN I M	70191	ZASKIND L N	12680	ZEIGLER T R	52220	ZEVAN A C	67890	ZIAJOWSKI M	105786
ZAMBONELLI C	82858	ZASLAVSKAYA T	35584	ZEILER K	8476	ZEVEN B	64378		12462
	83670	ZASLAVSKII A S	6052	ZELINGA A E	89322	ZEZULA M	1275	ZIARKLEWICZ T	21723
ZAMBROWICZ B	18685	ZASLAVSKY D	79994	ZELINGER A	74817	ZEZZA L	22990	ZIBENS P	22088
	19864		79995	103514	106895	ZEZZOS R	6733	ZIBOROV D K	25781
ZAMECHNIKOVA M	104201	ZASMETA V	30238	ZEIN-EL-DINE K	64010	ZGORKIEWICZ A	99540		75412
ZAMFIR A	10356	ZASON Z	56230	ZEITLER H	24737	ZHABINSKAYA M I	43127	ZIBOROVA V P	31457
ZAMFIRESCU N	22748		108221	ZEITZ S	35205	ZHABOTINSKII G KH	18851	ZIBRIN M	71928
ZAMFIROV T S	63600	ZASTROW K	86063	ZELAWSKI W	28275		78425	ZICHE J	33769
ZAMFIROV TS	83388	ZASUKHINA G D	92930	ZELCK U	21941	ZHADAN V Z	35372	ZICKLER F	96330
ZAMIECHOWSKA-MIA-	79082	ZATOCIL O	65843	ZELENCHUK T K	78076	ZHADIN V I	73504	ZIEBA D	52024
ZGA J		ZATSCHLER H	9883		78884	ZHADKOVA N D	9958		82857
ZAMITH A P L	64157	ZATSEPIN A L N	70310	ZELENEVA I V	99644	ZHADOVSKII A E	87988	ZIEBA J	53164
ZAMNIUS V K	69453	ZATTLER F	77851	ZELENKA A	26512	ZHAGRIN B S	29840		27261
ZAMORA C M	75872	ZATYKO J	58949	ZELENKA J	13874	ZHALNINA L S	27621	ZIEBOWICZ E	34375
ZAMORA M	55288	ZATYKO J M	58037		82790	ZHAMISHEV B	108222	ZIEGENBALG F	40322
ZAMORA M D	46232	ZAUER L M	99048	ZELENKOVA L	41385	ZHAMT S D	36004	ZIEGENBEIN G	38869
ZAMPA O	26023	ZAUMEYER W J	27133	ZELENOVA A I	20473	ZHAMYAZHAV TS	36127		39581
ZAMPETTI E	35510		59775	ZELENSKAYA E D	60538	ZHARKOV F A	26579	ZIEGLER A	44669
ZAMPINI P P	10876	ZAUER J	103029	ZELENSKII M A	89992	ZHAROV A V	104078	ZIEGLER D W	104887
ZAMTARADZE G K	99811	ZAURALOV O A	69152		89992	ZHAROVA K A	30042	ZIEGLER E	85963
ZAMUCO I	51317	ZAUSCH M	4115	ZELENSKII V P	104936	ZHARSKIY A	64782	ZIEGLER F	100712
ZAMYATNIN B N	49575	32344	32353	ZELENSKII V P	104936	ZHAVORONKOV N M	87907	ZIEGLER H	31701
	57666	32413	32414	ZELENTSOV V	45746	ZHAVORONKOV P A	101136		48504
ZANA J	11648			ZELNY J	64295	ZHDANNIKOVA E N	69044		100554
38923	59434	ZAVADA J	42067	ZELNY L	25778	ZHDANOV L A	18781	ZIEGLER J G	16485
	90241	ZAVADIL R	42068		34959		78887	ZIEGLER J H	25834
ZANARDI D	37488	ZAVADIL S	49001	ZELEPUKIN A S	101199	ZHDANOV N KH	48502		73001
		ZAVADSKAYA I G	756	ZELEZNIK Z	92606	ZHDANOV L P	100551	ZIEGLER K	85652
ZANASI D	24736		967	ZELEZOVA B	8597	ZHDANOVA N N	2231	ZIEGLER L W	96801
ZANCANER W H	97078	ZAVADSKII K M	18780	ZELFEL S	92266	ZHEBRAK E A	100552	ZIEGLER M	5838
ZANDBERGEN M	37820	ZAVAGLI V	17447	ZELICHO J	61525	ZHEBROVSKII L S	54555		48436
ZANDER J	11798	ZAVARIN E	30668	ZELIKMAN I F	26281	ZHECHEVA ZH	29139		50154
ZANDER R	6845	ZAVATTARI E	98850	ZELIOLI A	104381		29140	ZIELINSKA D	58951
ZANDER R I	50760	ZAVODTSEV A	96079	ZELITCH I	38497	ZHEKOV S	42069	ZIELINSKA J	88851
ZANDERSONS J	51292	ZAVOLOKINA E P	97259		100463		104468	ZIELINSKI Q	38500
ZANDSTRA P	63231	ZAVRAZHIN V I	82466	ZELJKO M	27332	ZHELEV A A	42270	ZIELINSKI Q B	876
ZANOOSTRA Y A	57345	ZAVULUNOV A I	107784	ZELL T E	7332	ZHELEZNIKOVA V I	79495		1784
ZANELLI G C	7114	ZAVYALOV N D	31043	ZELLER A	28276	ZHELEZOVA B	8856		19853
ZANETTI G	71735	ZAWADZKI T	47313	ZELLER H	107609		8891		39072
ZANETTI R	22281	ZAWADZKA B	1305	ZELLER J H	5732		99138		59674
51386	52002	ZAWADZKI M	90034	ZELLER O	75685	ZHELIKOV T A	102672	ZIELINSKI W	82930
ZANGARI G	67030	ZAWADZKI S	49911	ZELLER R	1274	ZHELTIKOVA T A	102603	ZIELINSKI W L	66062
ZANGARONA G DELLA	71840		91360	ZELLER Z	82467	ZHELTTOV E M	59022		90177
DI		ZAWADZKI Z	30930	ZELLER Z	44398	ZHELTTOV E T	51192		11217
ZANGER E	41200	ZAWAHRY M R	75489	ZELLER Z C	15803	ZHELUOKOVA Z	4253	ZIEMBA J V	15447
ZANGGER C	323	ZAWASZKI S	58112	ZELLES J	9585	ZHELUOKOVA V	76099		24561
ZANGHERI S	32638	ZAWIELAK J	103381	ZELMANOV I	21897	ZHELUOKOVA V	99026		75490
		ZAWILSKI J	37169	ZELTER S Z	4538	ZHENG B F	99026	ZIEMBA Z	64907
ZANGRANDO F	105056	ZAWISLAK I	83389		22904	ZHERDEVA A D	49282	ZIEMER R R	79996
ZANINI A	16762	ZAWISLAK K	60231	ZELTNER L	17814	ZHEREBCHUK L K	79748	ZIEMER W	94126
ZANINI E	11799	ZAWISTOWSKI S	57151	ZELTSEMAN I M	64453	ZHEREBCHUK L K	47566	ZIEMIECKA J M	70367
		ZAYANCHOVSKII I	13178	ZELTWANGER E D	95823	ZHEREBCHUK L	79748	ZIEMINSKI S A	61511
ZANKER K	15430	F	36480	ZEMACH R	36315	ZHEREBTSOV P I	12754	ZIEMNICKI S	91361
							41387	ZIENER W H	23266



	ITEM		ITEM		ITEM		ITEM		ITEM
ZIEROLD R	11530	ZINCHENKO V I	24738	ZOLNIERCZYK CZ	97473	ZUCZEK J	74976	ZWICKEL H	104181
ZIEROLD REYES L	2586	ZINDEL H C	33854	ZOLOTAREV E KH	14493	ZUENKO P G	52284	ZWICKY H	109096
ZIEROLD-REYES P	21942	ZINENBERG M S	91362		79083	ZUEV A I	64381	ZWICKY P	19898
ZIESMER H	29516	ZINEVICH L V	40323	ZOLOTAREV V	29141	ZUEV L A	69156	ZWILLING E	13579
ZIETECKA M	49680	ZINGALE G	5971	ZOLOTNITSKAYA S	10282	ZUEV P I	37320	ZWINGELBERG H	6955
ZIETLOW D	13312	ZINGMAN A A	54759	YA		ZUEV V A	73989		25574 25575 25576
	52063	ZINGSTRA H	88058	ZOLOTNITSKII V A	28736	ZUEVA E S	7042		25577 25699 25782
ZIEVYTE Z	32866	ZININ N N	27511	ZOLOTOVICH G	1449	ZUFA L	102776		34925 55335 65673
ZIEVYTE-KULIETI-ENE	27068	ZINK F W	1276		70227	ZUFFA A	4017 52656		65674 85910
			38501	ZOLOTUKHIN V T	33524		61920 73017 93899	ZWINTZSCHER M	1785
ZIGANSHIN A A	102100	ZINK M W	19408	ZOLTAN T	84774				49102
ZIGANSHINA V S	102100	ZINKEL D F	51299	ZOLTOWSKI J	107855	ZUFFEREY M	65032	ZWISLER O	7073
ZIHLMANN F	15088	ZINN	36538	ZOLYOMI B	47700	ZUFLE A	108668	ZWOLFER H	14907
84559 95910	106359	ZINNA G	53461	ZOMBORI J	30704	ZUG MRS J	82707		95557
ZIJLSTRA J	87229	ZINNBauer H	13180		61422	ZUGASTI R	44034	ZWOLFER W	14291
ZIJLSTRA R	56927		51952	ZOMER G W	96054	ZUHLKE K	17088		83580
ZILAH-SEBESS G	14348	ZINNO Y	37247	ZOMORRODI A	52906		66736	ZWOLINSKA Z	36686
	98590	ZINNOCHKIN A G	27028	ZON A Q VAN	27225		96638	-LOWA Z	99397
		ZINOVA A D	57492		28279 29021	ZUIKOVA I	62059	ZWOLINSKI J	72497
ZILAI J	51550	ZINOVEV B	31334	ZONJIC I	29842	ZUK B	17674		72498
ZILIANI	17086	ZINOVEV YU	33929	ZONN S V	69155	ZUK J	93034		44830
ZILLER R	86326	ZINSMEISTER H D	28277	ZONNCHEN E	102076	ZUK P	35027	ZWOLINSKI M	43130
ZILLER W G	99541	ZINTZSCH I	42333	ZONNENBERG H J	50185	ZUKAL E	7175 35027	ZWOLSKI W	95118
ZILLINSKY F J	27677	ZIOLECKA A	61687	ZONNOVA E V	63730	55508 65898	86209	ZYCH C C	38099
	77632	ZIOLEK E	60541	ZOPHONIASSEN P	3103		97136		80088
ZILLO B	92373		70046		57346	ZUKEL J W	100559	ZYCHA H	46646
ZILSPARNE A	52919	ZIOLO T	92603	ZORAWSKI C	3695	ZUKLYS L	27263		57285 57313
ZIMA I M	71078	ZIONI E	28278	ZORBACH W W	10898	ZUKOWSKI K	3384	ZYCHOWICZ S	61378
ZIMBARO F L D S	31488	ZIPF K	3314	ZORIN F M	19810	ZUKOWSKI L	51318	ZYDEK A	71983
	32020	ZIPFEL W	34124	ZORIN I	12473	ZUKRIGL K	91536	ZYGMUNT W A	78890
ZIMBELMAN R G	13179	ZIPPER J	12852	ZORIN I D	87128	ZUL N M	84725	ZYKIN L A	55553
ZIMBER S	105554	ZIPSPER M W	55507	ZORIN M A	29843	ZULETA M E	1650		101045
ZIMDAHL R L	29203	ZIRKLE C	89323	ZORITA TOMILLO E	48505		59416	ZYKOV D A	60732
ZIMENKO L G	80435	ZIRKLE R E	38345		62685	ZULIAN V DE	32155	ZYKOV YU	48769
ZIMIN L S	84013	ZISCHKE N E	27023	ZORITA TOMILLO E	62720	ZULKIFLI M	26982	ZYKOV YU D	19259
ZIMMER A A	85317	ZISLAVSKY W	64536	ZORITOMILLO E	34491	ZULLIG E	88059	ZYL J A VAN	74582
ZIMMER E	41261	ZISSEL A	35087	ZORN W	46645	ZULUETA J DE	32737	ZYLBBERBERG L	95559
81697 81698	81699	ZITELLI G	37186	ZORNING H H	45873	52775 94077	94261	ZYRIN A G	101781
	46644		47205	ZORRILLA-DORRONS-ORD A	45455	ZULUETA-Y-ASTARL-	107112	ZYRYAEV N G	40680
ZIMMER F	19441	ZITO F	26152		47206	OYTA J DE			102506
ZIMMER H	45930	ZITTLE C A	6538	ZORZI L	43872	ZUMBACH W	15131	ZYSKA B	61379
ZIMMER R	63344	65100 65187	65099	ZOTKIN I YU	73987	ZUMER L	2953	ZYUBAN A I	32022
ZIMMERHACKEL W	23717	ZITZEWITZ H VON	106899	ZOTUTUKHIN L A	100557	ZUMER M	17567	ZYUZIN A S	93398
ZIMMERING S	53367	ZIVKOVIC A	61096	ZOTOV V D	26912	ZUMMO N	105248		51550
	22934	ZIVKOVIC R	4332	ZOTSENKO L N	37171	ZUMPT F	14082 23718		
ZIMMERMAN D R	104195		75533	ZOTTL H	81082		33137 95116		
	104554	ZIVKOVIC S	75534		81083	ZUMSAI M L S	82579		
ZIMMERMAN E	94993	ZIVKOVIC Z	32381	ZOUAIL M E	25816	ZUNDE P	76225		
ZIMMERMAN E C	94992	ZIVKOVITZ V	34453		65838	ZUNDEL G	27579		
ZIMMERMAN E W	21508		42919	ZOUNER H	72122	ZUNTZ N	8492		
ZIMMERMAN G	44108	ZIVNUSKA J A	43128	ZOZ I G	1277	ZURAWSKI H	48671		
ZIMMERMAN G K	56356	ZIVOJINOVIC D	12319	ZOZULYA I S	39632		50154		
ZIMMERMAN H M	7637	ZIVOJINOVIC S	10409	ZOZULYA M	10409	ZURBURG F W	59990		
ZIMMERMAN J E	103594		73336	ZRAZEWSKI A I	80678	ZURCHER C	90624		
ZIMMERMAN L	67659	ZIZKA Z	106067	ZRENNER H	14585	ZURCHER H	33218		
ZIMMERMAN M	11128	ZLAMAL P	35972	ZSCHEGE C	40785		5014 5015		
15089 15090	15235	ZLATANOV S	877	ZSCHEILE F P	77752		23477 73449		
20322 20323	20324	ZLATARIC B	94492	ZSCHEILE F P	77752	ZURCHER K	73365		
20325 22194	22195	ZLATEV G S	81187	ZSCHEISCHLER J	10392	ZURECK F	93812		
43558 43615	43727	ZLOCH Z	89774	ZSCHEISCHLER D J	1541	ZURI U	107986		
43728 43837	49516	ZLOKOVIC V	75625	ZSCHECKE G	93820	ZURN F	40111		
49517 49518	49519	ZLOMANOV L P	54048	ZSCHOMMLER H G	103412	59401 59402	70661		
49520 49521	49522	ZLOMANOV L P	66573	ZSCHUPPE H	74039		102077		
49523 49524	49525	ZLOMOV A	24057	ZSIGMOND L	83100	ZUROSKE C H	7969		
49526 49527	49528	ZLOTIN A	53789	ZSOLDOOS J	101720	ZUROWSKA A	78981		
49529 49530	49531	ZLOTIN A G	84184	ZSOLDOOS J	90297	ZUROWSKI J	61550		
49532 49533	49534	ZLOTINA G D	27262	ZUB J	99543	ZUROWSKI T	3384		
53758 53759	53760	ZLOTORZYCKA J	33494	ZUB L	28280	ZURZYCKI J	100021		
53788 64489	64577		95683		29427 29428	ZUSCHKE L	62466		
74103 74104	84429	ZLOWODZKI J	48878		29877 49576	ZUSKA J	95117		
84590 84633	95761		90211	ZUBAREV F P	73988	ZUSMAN N S	32170		
	106340	ZMARLICKI C	5013		101200	ZUSMAN V	25994		
ZIMMERMAN P W	27952	23449 32973	32974	ZUBAREVA L A	13576	ZUSMANOVICH G	95762		
ZIMMERMAN-GRIES S	10149	63794 63795	63796		52157	ZUTAUT C L	42256		
	100555	ZMIJEWSKA Z	82706	ZUBAREVA R S	91646		82939		
ZIMMERMANN 34227	88057		107854	ZUBECKIS E	54460	ZUZULYA M	20951		
ZIMMERMANN A	36481	ZMOLEK W	22048		55018	ZVANS W M R	35881		
ZIMMERMANN C E	7723	ZMYSLOWSKA S	70335	ZUBELDIA A	10987	ZVARA J A	9853		
ZIMMERMANN F	12318	ZNAGIEV M G	40476	ZUBENKO V KH	79228	ZVEREVA O S	43129		
ZIMMERMANN F K	27727	ZNAMENSKAYA L A	100650	ZUBER B L	43924	ZVIEDRIS A	81623		
	58474	ZNAMENSKII L N	90242	ZUBER H	44621	ZVIEDRIS A I	47425		
	3260	ZNANIECKI P	36027	ZUBER M S	1020	ZVYAGILSKAYA R A	69239		
ZIMMERMANN G	61184	ZNANIECKI F	52339		10151 59252	ZVYAGINTSEV D G	11369		
4924 31489	86263		55459	ZUBAREV F P	101200		80138		
80849	62585	ZNZNIECKI P	52221		39324	ZWAARD P V D	37172		
ZIMMERMANN H	10150	ZOBEL B	102628	ZUBERBUHLER E	43392		38386 38502 39138		
ZIMMERMANN H G	69629	ZOBEL B J	12122	ZUBETS N A	13828		39325 39326 48507		
	96331		91606	ZUBETS V M	29975		49155		
ZIMMERMANN I	2458	ZOBEL H	50496	ZUBIATE R	75874	ZWAARD P VAN DER	27069		
29841	49399	ZOBEL H F	59075	ZUBILLAGA E	32119	27070 27071	29671		
	757	ZOBEL M	64908	ZUBOV F V	34543		30047		
ZIMMERMANN J	100019	ZOBEL M P	76463	ZUBOV L P	39683	ZWAIN H	26153		
ZIMMERMANN M H	100556	ZOBELL H D	39424	ZUBOV YU P	102425		45179		
	87978	ZOBERI M H	10563		102775		55623		
ZIMMERMANN O	105910	ZOBERST W	89775	ZUBRAREV E M	102471	ZWANENBURG T S	62195		
ZIMMERMANN T	31479	ZOBRIN V I	75873	ZUBRILIN A	3104	ZWAR J A	19258		
	31480	ZOCHI R	90369	ZUBRILIN A A	21807	ZWART D	92766		
	13611	ZODDA G	14584	ZUBRISKI J C	100558	ZWART T	92267		
	36685	ZODROW A	46936	ZUBRYN E	54922	ZWART W H I	86663		
ZIMMERMANN W J	83099	ZODROW K	16486	ZUBRYS E	46535	ZWATZ B	58038		
ZIMNA J	11368	ZOELEIN G	2181	ZUBTSOVA R A	13578	ZWEHL V	32924		
ZIMNTAK Z	49593	ZOELLNER K D	52905	ZUCCARELLI G	17087	ZWEHL V VON	105413		
	49975	ZOERB C	13763	ZUCCARELLO G	98337	ZWEIFEL H	88059		
	103929	ZOERB G C	27281	ZUCCHI G	43502	ZWEIFEL J	10326		
ZIMNOVICH I	18686		96073	ZUCCHINI M	60800		10393 10394		
ZIMNY H	50184	ZOGG-PFUND H	106207	ZUCK R K	9368	ZWEIFLER E	10395		
ZIMONET B A	20473	ZOHARY M	98583	ZUCKER F	64774		38789		
ZIMOWSKI A	63524		17815	ZUCKER H	12755	ZWEIG G	14309		
ZINCA N	18201	ZOLD J	77667		15804 91900		35150 35216 43954		
ZINCA S	75491	ZOLDJETO R	48917	ZUCKER M	10152		46536 54109 69157		
ZINCHENKO M S	82308	ZOLL T	93324	ZUCKERMAN B M	37535	ZWEIZIG J	94035		
ZINCHENKO P S	79385	ZOLLKOFEN	30195		37536 37537	ZWETSLOOT C A S	36637		
ZINCHENKO V A	28123	ZOLLINGER H A	74688	ZUCKERMAN J	108488		7970		
	70192	ZOLLMAN P E	70884	ZUCKERMAN-STARK S	54689	ZWICK C	76464		
			102357	ZUCKRIEGEL H	77241	ZWICK H	55463		
			72551			ZWICK R W	25282		
							63682		





	Item	
Aalsmeer Proefstation voor de Bloemisterij	28933	39122
Aberdeen-Angus Cattle Society	103413	
Aberdeen Angus Journal	103414	
Aberdeen Rowett Research Institute SEE Rowett Research Institute (Aberdeen)		
Aberdeen University		
Dept of Agriculture	16181	
Dept of Forestry	11944	50594
71006	91482	
Aberystwyth University		
College of Wales	17921	26885
26886---26889		
Academie Veterinaire de France	81701	
81702		
Accademia Italiana di Scienze Forestali	50478	80820
Accelerated Public Works Program		50521
Accredited Pig Herd Scheme (Ireland)		83107
Adams Act		46681
Adanson M Familles des Plantes	46804	8610
Adelaide Botanic Garden	1	88109
Advanced Science Seminar on the Physiology and Biochemistry of Leaf Stomata		100463
Advances in Acarology		53165
Advances in Agronomy	19442	69336
Advances in Applied Microbiology		36379
Advances in Catalysis and Related Subjects		100137
Advances in Chemistry		95570
Advances in Comparative Physiology and Biochemistry		83738
Advances in Food Research		43873
Advances in Insect Physiology		63807
Advances in Lipid Research		66031
Advances in Protein Chemistry		54094
Advances in Virus Research		67465
Advancing Frontiers of Plant Sciences		67690
67691		88123
Afghanistan Ministry of Commerce		
Statistical Dept	67266	76720
Africander Cattle Breeders' Society		31073
Agencia Latinoamericana de la Lana		65276
Agrarsoziale Gesellschaft		108651
Agri Research		65665
Agricola		6687
Agricultura de las Americas		19580
95691		
Agricultura Tecnica en Mexico		56860
Agricultural Act of 1949		
Title 5 Agricultural workers	7729	
Agricultural Act of 1964		65339
Agricultural Adjustment Act of 1933		
1935 Amendment		36209
Agricultural Adjustment Act of 1938		44677
Agricultural Almanac		57153
Agricultural Bank of Iraq		16565
Agricultural Bank of Tasmania		45477
Agricultural Bur of New South Wales		67208
Agricultural Central Co-operative Association		17106
Agricultural Conservation Program SEE Agricultural Stabilization and Conservation Program		
Agricultural Development Bank of Pakistan	56084	56090
56102		56105
Agricultural Development Fund (Poland)		76013
Agricultural Industries Forum		44311
54564	54565	54636
54636		
Agricultural Institute (Ireland) SEE Dublin An Foras Taluntais		
Agricultural Labour Enquiry (India)		
35525	35527	35529
35539	35540	35547
35551	35557	35563
35563		35564
Agricultural Marketing Act of 1946		
54147		54190
Agricultural Marketing Agreement Act of 1937		44677

	Item	
Agricultural Mortgage Corporation		75979
Agricultural Pesticide Technical Society		26981a
Agricultural Refinance Corporation of India		56109
Agricultural Rehabilitation and Development Act (Canada)	50251	70945
97704	108251	108611
Agricultural Research Institute (U S) SEE National Research Council		
Agricultural Research Institute		
Agricultural Science Youth Program (New York)		45774
Agricultural Stabilization and Conservation Program	56341	76213
Arkansas		35719
Caribbean area		26715
Idaho		86921
Mississippi	7809	108341
Nevada		56338
New York		16722
Oregon		86922
Tennessee		86923
Vermont		35586
Virginia		7808
Washington		35717
Wyoming	26714	35718
Agricultural Trade Development and Assistance Act of 1954		8209
8238	8273	17145
25804	26717	27251
36201	46384	55024
56031	56047	57040
76728	87639	87651
98255	98317	98325
108826		108346
Agricultural (Poisonous Substances) Act of 1952 (Great Britain)		8399
Agrotechnical Center (Israel)		69361
Akademie der Wissenschaften und der Literatur		8521
Akademie fur Raumforschung und Landesplanung		45982
Akademiet for de Tekniske Videnskaber		65573
Akademiya Budivnitstva i Arkhitektury Ukrayins'koyi RSR		
Naukovo Doslidnii Institut Arkhitektury Sporud		5891
Akademiya Kommunal'nogo Khozyaistva imeni K D Pamfilova		19938
Akademiya na Selskostopanskite Nauki		57154
Akademiya Nauk Azerbaidzhanskoi SSR		66466
Sovet po Izucheniyu Proizvoditel'nykh Sil		11684
Akademiya Nauk Belorusskoi SSR		
Institut Torfa		20407
Akademiya Nauk Estonskoi SSR SEE Eesti Pollumajanduse Akademia		
Akademiya Nauk Gruzinskoi SSR		
Institut Lesa		46813
Akademiya Nauk Kazakhskoi SSR		
Botanicheskii Sad		79544
Institut Botaniki	46784	57414
57530		
Institut Zoologii		8544
Akademiya Nauk Kirgizskoi SSR		
Institut Ekonomiki		75928
Akademiya Nauk Latviiskoi SSR SEE Latvijas PSR Zinatnu Akademia		
Akademiya Nauk Litovskoi SSR SEE Lietuvos TSR Mosklui Akademia		
Akademiya Nauk Moldavskoi SSR		
Institut Zoologii	23022	94033
Akademiya Nauk SSSR		
Biblioteka		45622
Botanicheskii Institut imeni V L Komarova	8658	26744a
77129		
Gerbarii		57603
Laboratoriya Eksperimental'noi Geobotaniki		68409
reviews		78345
Institut Avtomatiki i Telemekhaniki		15016
Institut Biokhimii		67393

	Item	
Akademiya Nauk SSSR--Cont		
Institut Biologicheskoi Fiziki		61691
81703		
Institut Ekonomiki Mirovoi Sotsyalisticheskoi Sistemy	7825	75929
Institut Fiziologii Rastenii imeni K A Timiryazeva		58478
Institut Geografii	21356	23498
27361	77130	
Institut Lesa i Drevesiny		58135
80894	81566	105349
Institut Mirovoi Ekonomiki i Mezhdunarodnykh Otnoshenii		17133
Institut Narodov Azii		56004
Institut Okeanologii		8799
Institut Zemnoi Kory		29878
Karel'skii Filial		18687
Komi Filial		2254
Pochvennyi Institut imeni V V Dokuchaeva	11372	11373
70686		29657
Sibirskoe Otdelenie		
Biologicheskii Institut		21248
Dal'nevostochnyi Filial		8398
Institut Lesa i Drevesiny		12010
Laboratoriya Biofizika		58479
Sovet po Izucheniyu Proizvoditel'nykh Sil		
Krasnoyarskaya Kompleksnaya Ekspeditsiya		26583
Akademiya Nauk Tadzhikskoi SSR		
Botanicheskii Institut		8659
Akademiya Nauk Ukrayins'koyi RSR		
Instytut Suspil'nykh Nauk		17244
Akademiya Nauk Uzbekskoi SSR		
Institut Zoologii i Parazitologii		14413
Alabama Agricultural Experiment Station		
19581	34193	34351
69370	79111	79112
102111	107459	88082
Fayette Experiment Forest (Fayette)		30217
Alabama Auburn University		
Agricultural Extension Serv		67231
Alabama Dept of Agriculture and Industries		25053
102296		
Alabama Dept of Conservation		102401
Div of Forestry		102401
Div of State Lands		102401
Alabama University		
Bur of Business Research		74534
Alaska Agricultural Experiment Station		
24265	25076	29631
Alaska Dept of Natural Resources		
Div of Lands		56364
Alaskan Science Conference		87818
Alberta Dept of Agriculture		86946
108667		
Farm Economics Br	76384---	76387
Alberta Dept of Lands and Forests		35743
Alberta Federation of Agriculture		67209
98202		
Alberta Livestock Co-operative		107612
Alberta Veterinary Medical Association		3106
3106		
Alberta Wheat Pool		44824
Alfalfa Improvement Conference		48801
Alfort Ecole Nationale Veterinaire		88043
Algemeene Vereeniging voor Bloembollencultuur		16505
Alkmaar Proefstation voor de Groente- teelt in de Volle Grond in Nederland		
39364	59772	59822
All Australia Timber Congress		40391
All India Agricultural Economics Conference		76194
All Island Banana Growers Association		25284
Allagash National Recreation Area (proposed)		2879
2879		2886
Allahabad Agricultural Institute		20246
27116		27632
Agricultural Economics and Rural Sociology Dept		26444
Agricultural Engineering Dept		24038
Agronomy Dept		19447
Animal Husbandry Dept		21943



Item	Item	Item
Allahabad Agricultural Institute--Cont	American Farm Bur Federation	American Pulpwood Association
Biology Dept	36141 45726 46260 65475	71381---71383 81481
Chemistry Dept	66373 91356 98209 108764	Lake States Technical Committee
Dairy Technology Dept	American Farm Economic Association	102853
Extension Dept	26396 75932	American Quarter Horse Association
Home Economics Dept	Awards Committee	3948 72461
Horticulture Dept	American Feed Manufacturers Association	American Rabbit Breeder's Association
Library	15800 81691	82726
Allegheny National Forest	Award	American Rose Annual
81275	17306 17339 27442	American Rose Society
Allgau Herdbuch-Gesellschaft	Nutrition Council	69811
Allgemeine Forst und Jagdzeitung	51389	American Saddle-Horse Breeders' Association
Allgemeine Nahrungs- und Genussmittel-	American Forest Products Industries	82429
Ausstellung	12306 30083 60827	American Samoa Governor
Alliance for Progress	Distinguished Service Award	16525
56640 61385 67027 76504	American Forestry Association	American Seed Research Foundation
109216 109218	awards	66172
Allied Crude Vegetable Oils	American Freedom from Hunger Foundation	American Seed Trade Association
Almanaque Agricola Ceres	74289	8291
Almanaque de la Cooperacion	American Geographical Society	10308 66148 79114
Almindelig Dansk Gartnerforening	Cullum Geographical Medal SEE Cullum Geographical Medal	American Sheep Producers Council
Alverson A Cactus Catalogue	American Guernsey Cattle Club	25895 32305
Alvsborgs Lans Norra Hushallningssall-	American Hampshire Sheep Association	American Society for Cell Biology
skap	22744	37621
Amaryllys Year Book	American Hereford Journal	American Society for Horticultural Science
Amateur Gardening Annual	92140	38933
Amchem Products Inc	American Home	Caribbean Region
American Academy of Allergy	79416	1681
Pollen and Mold Committee	American Honey Institute	American Society for Testing Materials
8545	25783 75492	12437 44425
American Agricultural Marketing Association	American Horticultural Society	Committee D-6 on Paper and Paper Products
64792 64793 84860	American Institute of Biological Sciences	40979
American Amaryllis Society	83209	Committee D-7 on Wood
American Angus Association	American Institute of Cooperation	81420
41435	46262	American Society of Agricultural Engineers
71888	American Jersey Cattle Club	43393 43399
American Animal Hospital Association	81932	Committee on Standards
81723 103156	American Leather Chemists Association	43393
Committee on Cardiovascular and Circulatory Diseases	25954 65826 86210	Cyrus Hall McCormick Medal
103157	American Marketing Association	109148
American Association for the Advancement of Science	34035 43974	John Deere Medal
8034	American Meat Institute	109148
American Association of Avian Pathologists	7088 97072	Metal Building Manufacturers Association Award
62777	Dept of Marketing	109148
American Association of Cereal Chemists	7187 107659	American Society of Agronomy
55224 65666 85894	American Meat Institute Foundation	100740
William F Geddes Award	25820 85530 86077 86078	Agronomic Education Award
8419	86106	36457
American Association of Equine Practitioners	American Medical Association	Agronomic Service Award
41829 41830	Council on Rural Health	36529
American Association of Nurserymen	American Milk Goat Record Association	36495
17493	4436	Crop Science Award
American Association of Textile Chemists and Colorists	American Milking Shorthorn Society	59102
Committee RA49	81933	Soil Science Award
Rhode Island Sect	American Motors Conservation Award	36439
25119	109078	American Society of Animal Science
American Bankers Association	American Mosquito Control Association	12756 103383 103384
Agricultural Committee	94169	Animal Breeding and Genetics Award
86621 108081 108082	American Museum of Natural History	17307
American Bantam Association	71737	Animal Physiology and Endocrinology Award
American Beekeeping Federation	American National Cattleman's Association	17308
23446	13181 41705 51955 86079	Extension Award
American Breed Survey Society for German Shepherd Dogs	American Oil Chemists' Society	17310
52003	16268 45097 45100 55563	Meats Research Award
American Camellia Yearbook	97182	17311
American Chemical Society	Commercial Fats and Oils Analysis	13182
84776 87820	Committee	Southern Sect
55762 86381	directories	71844
Div of Rubber Chemistry	Literature Review Committee	Western Sect
55753	7232	81895 81896
American College of Veterinary Toxicologists	American Orchid Society	American Society of Animal Science Fellows
103289	10690	8420
American Cotton Congress	American Orchid Society Yearbook	American Society of Brewing Chemists
28566	10690	24601 85077 96253 106764
American Cotton Shippers Association	American Paper and Pulp Association	American Society of Farm Managers and Rural Appraisers
65359	51228 61425 61426	56486
American Dairy Association	American Phytopathological Society	directories
74818	27075a	26814
American Dairy Foods	Caribbean Div	American Society of Parasitologists
54586	67991	3110 83209
American Dairy Science Association	Committee on Phytopathological Monographs and Reviews	American Society of Plant Physiologists
85178 103596	directories	885
Award of Honor	Northeastern Div	American Society of Range Management
17338	Pacific Div	48909
Distinguished Service Award	8897 99140	American Society of Sugar Beet Technologists
17335	Potomac Div	Eastern United States and Eastern Canada
Eastern Div	77679	10531
Southern Div	77488	American Statistical Association
65016	American Pomological Society	Social Statistics Sect
44245	6729	46070
American Dehydrators Association	American Potash Institute	American Tomato Yearbook
34479 54715	49958	85686
American Dry Milk Institute	American Potato Yearbook	American Tung Oil Association
85429	65367	65966
American Dyestuff Reporter Award	American Poultry and Hatchery Federation	American Turpentine Farmers Association Cooperative
67623	75749	71528
American Economic Association	American Public Health Association	American University of Beirut
7573	108975	Faculty of Agricultural Sciences
75931 86560	American Public Health Association	Div of Food Technology and Nutrition
	Standard Methods for the Examination of Dairy Products	15379
	15640	American Veterinary Medical Association
		3114 12540 12550 103158
		103252
		awards 8436 8495 109062
		Council on Veterinary Serv 51606
		Mastitis Committee 51813



	Item
American Walnut Manufacturers' Association	21478
Amsterdam Keuringsdienst van Waren	106650
Amsterdam Koninklijk Instituut voor de Tropen	36569
Amusement Business	36053
An-Wei Sheng Nung Yeh K'o Hsueh Yuan	101901
Yen Ts'ao Yen Chiu So	101901
Analytical Symposium Self-Actuated Devices and New Methods for Control	102297
Andean Programme	26683
Andersons Seeds	19592
Angers Ecole Supérieure d'Agriculture et de Viticulture	56764 87129
Angola Reparticao de Estatistica Geral	44109
Animal Boarding Establishments Act 1963 (Great Britain)	31048
Animal Care Panel	104215
Animal Diseases Research Association (Scotland)	71683
Moredun Institute	12728
Animal Health Trust (Gt Brit)	30853
30904 30968 31035	92040
Equine Research Station (Newmarket)	31702
Farm Livestock Research Centre (Stock)	31068
Poultry Research Station (Houghton)	32039
Small Animal Health Centre (Newmarket)	30914
Animal Technicians Association	72548
Annales Noria	86550
Annual Review of Entomology	42342
Annual Review of Microbiology	27365
Annual Review of Physiology	62653
Annual Review of Phytobiology	37040
Annual Review of Plant Physiology	78354
Antigua Agricultural Dept	87821
Anti-Locust Research Centre London	
SEE London Anti-Locust Research Centre	
Antioquia Direccion Dept de Estadistica	56765
Appalachian Mountain Club	98854
Appalachian Regional Development Act of 1964	108748
Appalachian Trail	61267
Appanoose County Conservation Needs Committee	11801
Appanoose County Soil Conservation District	60709
Appert N Award	24530
Apple Growers Association (Hood River Oreg)	25383 107262
Appleton (Wis) Institute of Paper Chemistry	71474 91717
Arabian Horse Club Registry of America	62587
Arbeitsbesprechung über Fragen der Unkrautbiologie und -bekämpfung	39478
Arbeitsgemeinschaft der Niederosterreichischen Tierzuchtverbände	82311 103911
Arbeitsgemeinschaft für Aussteuerbeiträge an Angestellte in der Landwirtschaft	98094
Arbeitsgemeinschaft für Bergbauernfragen	87533
Arbeitsgemeinschaft für Futterungsberatung	30768
Arbeitsgemeinschaft für Jagd- und Wildforschung	50992
Arbeitsgemeinschaft für Landwirtschaftliches Sortenversuchswesen	10418
Arbeitsgemeinschaft für Pflanzenschutz	57749
Arbeitsgemeinschaft Getreideforschung	25553---25557 34852 34853 65681 96928 96929
Arbeitsgemeinschaft Landwirtschaftliches Bauwesen	51193 74174
Hofplanungsausschuss	53905

	Item
Arbeitsgemeinschaft zur Bekämpfung des Rubenkopffalchens	9276
Arbeitsgemeinschaft zur Förderung des Futterbaues (Zurich)	59303
Arbeitsgemeinschaft zur Förderung des Qualitätsgerstensbaues im Bundesgebiet	96930
Arbeitskreis Bodenseeobst	25382
Arbeitstagung der Labortierärzte über die Diagnostik von Geflügelkrankheiten	104307
Arborea (Sardinia) Centro di Fecondazione Artificiale	31103
Arcachon Societe Scientifique	99024
Arcachon Station Biologique	99024
Archangel (Region) Statistischeskoe Upravlenie	34194
Area Redevelopment Act	26486 66722
Area Redevelopment Program	43851
Argentina Direccion de Investigaciones Forestales Estacion Forestal (Castelar)	45695
SEE Castelar Estacion Forestal	
Argentina Direccion Nacional de Estadistica y Censos	36181 56955
Argentina Junta Nacional de Carnes	45094 55555
Argentina Junta Nacional del Algodon	44428 44429
Argentina Secretaria de Agricultura y Ganaderia	16703
Tribunal de Fiscalization de Semillas	10309
Arizona Academy of Science	98416
Arizona Agricultural Experiment Station	28934 49414 69391 69833 69925 70050 70101 77105 80173 87822
Arizona Commission of Agriculture-Horticulture	67995
Arizona Conservation Needs Committee	20954
Arizona Employment Security Commission	76049
Arizona Off of State Chemist	85509
Arizona Off of State Entomologist	67995
Arizona Rural Rehabilitation Corporation	97607
Arizona State Employment Serv	76050
Arizona State Land Dept	16769
Arizona University	
Agricultural Extension Serv	51957
101271 108226	
Arizona Watershed Program	39867
Arizona Watershed Symposium	70461
Arkansas Academy of Science	108976
Arkansas Agricultural Experiment Station	6408 15482 50044 58830 59292 106728 107459
Arkansas Agricultural Mechanical and Normal College	8099
Arkansas Extension Pilot Cotton Program and Evaluation Project	48770
Arkansas Poultry Improvement Association	104472
Arkansas University	
College of Agriculture	
Extension Serv	58830 59292
79757	
Arkansas-White-Red Basins Inter-Agency Committee	11686 11687
Armed forces	
food	6190 6214 6913 44039 54156 54178 64781 67440 76890 87800 98400 108940
pest control	14079 83198
Armed Forces International Nutrition Conference	98342
Armour Research Foundation	58488
Arnhem Instituut voor Toegepast Biologisch Onderzoek in de Natuur	98688
Arnold Arboretum	8547 8635 10893 20098 88135 88213
Asakawa Experimental Forest	40826
Aschaffenburg Zellstoffwerke	45310

	Item
Asociacion Argentina Criadores de Cerdos	73018
Asociacion Cafetalera de El Salvador	26525 101596 101597
Asociacion de Caficultores de Oriente de Guatemala	101621
Asociacion Latinoamericana de Libre Comercio	17185 35428
Asociacion Nacional de Bananeros del Ecuador	56956---56960
Asociacion Nacional de Cultivadores de Algodon (Venezuela)	86789
Asociacion Nacional de Cultivadores de Cana de Azucar (Colombia)	16402
Asociacion Nacional de Directores de las Escuelas Superiores de Agricultura (Mexico)	87386
Asociacion Nacional de Ingenieros Agronomos (Spain)	45455 45456
Asociacion Nacional del Cafe (Guatemala)	101598 106793
Assemblee Permanente des Presidents des Chambres d'Agriculture	
Serv d'Etudes Economiques	16610
Associacao dos Produtores de Sisal da Provincia de Mocambique	28569
Associacao Paulista de Criadores de Bovinos	81383 81934
Serv de Control Leiteiro	12782
Associacoes de Registro Genealogico das Racas Leiteiras	81934
Associated Country Women of the World	67216
Associated Scientific and Technical Societies of South Africa	91718
Associated Seed Growers	20105
Association Belge des Filateurs de Coton et de Fibras Connexes	85561
Association de Coordination Technique Agricole	67996
Association for the Study of Animal Behaviour	14347 32987
Association Francaise de Chimurgie	106588
Association Nationale de Controle des Performances de l'Espece Porcine	22875
Association of American Feed Control Officials	34457
Association of American Geographers	45627
Association of American Railroads	44632
Association of Food & Drug Officials of the United States	24446
Association of Official Agricultural Chemists	46489 46524
Association of Official Seed Analysts	66141
Association of Planters of the State of Madras	17091
Association of Seed Control Officials of the Southern States	45278
Association of Southern Agricultural Workers	26589 42071 42072 86790 106599
Agricultural Economics and Rural Sociology Sect	66325 86551
Marketing Sect	106599
Association of Southern Feed Fertilizer and Pesticide Control Officials	108978
Association of Sugar Producers of Puerto Rico	86442
Association of Sugarcane Growers (Taiwan)	55842
Association of State Universities and Land-Grant Colleges	56766
Association pour l'Etude Taxonomique de la Flore d'Afrique Tropicale	26807a 26816a
Association pour le Developpement de la Culture Fourragere	100912
Associazione Cotoniera Italiana	96736
Associazione Granaria Milanese	25683
Associazione Italiana dei Chimici del Cuolo	65682 107660







Item		Item		Item	
Bialowieski Park Narodowy	17545	Brazil Instituto de Ensino e Pesquisas		British Mycological Society	
Bibliographie Geographique Internationale	45638	Brazil Instituto de Oleos	98690	Plant Pathology Committee	57764
Bibliography of Agriculture	35675	Brazil Instituto Nacional do Mate	97191	British National Carnation Society	39154
	109049	Brazil Junta Nacional do Algodao	34232	British Oil & Cake Mills	4258
Bienenzuchterverein Konolfingen und Umgebung	83607	Brazil Ministerio da Agricultura	25139	32162 41492 51721	82674
Bilbao Camara Oficial de Comercio Industria y Navegacion	44114	Div de Tecnologia Agricola e Alimentar		92155	
Biochemical Society	17929	Biblioteca	35598	Agricultural Advisory Dept	12860
Biologistics for Space Systems Symposium	98713	Brazil Presidencia	56012	62073 81942---81944	
Biology Colloquium	27368 94626	Brazil Serv de Estatistica da Producao		Barlby Farm (Selby)	41718
Birmingham University		15766 55556 55573 65973		Pig Advisory Dept	13895 83102
Plant Collecting Expedition to Mexico and Central America	37425	74537 75666		83103	
Birt and Co	54765 96083	Brazil Serv de Estatistica Economica e Financeira	43876 76734	Poultry Advisory Dept	32027 62731
Bittler's Berks County Directory	72723 104561	Brazil Serv Nacional de Recenseamento		62791 72672	
Black Forest	21106		54069	British Rabbit Council	32163
Blackface Sheep Breeders' Association		Bremen Baumwollborse	85570 85571	British Small Animal Veterinary Association	21821 22361 51476
Association of Ireland	13330	Bremen Handelskammer	46356	71695	
Bob Marshall Wilderness Area	12191	Brevard County (Fla) Mosquito Control District	63504	British Society of Animal Production	3317 103385
Boeing Co		Brewing Industry Research Foundation	6267	British Society for Parasitology	61721
Bioastronautics Sect	98714			British Society of Animal Production	3317 103385
Boerenbond Belge	56905	Brisbane Veterinary School Farm		British Veterinary Association	12558
Bogota Instituto de Fomento Algodonero		Colin Wright Tropical Preventive Medicine Laboratory	3165	12559 12560 30867 30868	
Dept de Investigaciones Economicas	75070	Bristol University	16887	31048 31494 32434	41279
Bohemian Forest	21188	Agricultural and Horticultural Research Station	28764	British Weed Control Conference	39441
Bolivia Direccion de Estadistica y Censos	17139	Dept of Economics	16778	British Weed Control Council	49412
Bologna Accademia Nazionale di Agricoltura	45705	British and Dominion Textile Industry	15812	British West Indies Central Sugar Cane Breeding Station	101065
Bologna Istituto Tecnico Agrario Statale "Arrigo Serpieri"	67131	British Cattle Breeders' Club	103430	British Wood Preserving Association	61355
Bolsa de Mercadorias de Sao Paulo	43979 96710	103471		Remedial Treatment Sect	81402
Bombay Cotton Annual	6602	British Columbia Broiler Marketing Board	107787	British Wool Marketing Board	6606
Bombay Forest Dept	102404--102406	British Columbia Bur of Economics and Statistics	87620	6607 54769	
Bombay Millowners' Association	65252	British Columbia Dept of Agriculture		Brive Serv de la Culture du Tabac	11466
Bonn Universitat		11006 17462 17937 69506		Brno Vysoka Skola Zemedelsda	
Landwirtschaftliche Fakultat	89964	70499 87830 94059 99153		Fakulta Lesnicka	30088
Hochschultagung	56244	Agricultural Engineering Div	40163	Broiler Business Award	104480
Boot H & Sons	12335	Field Crops Br	38821 70500	Brookgreen Gardens SEE Murrells Inlet (SC) Brookgreen Gardens	
Booz Allen and Hamilton	55028	70501 80219		Brookings Institution	67276
Borden Award for Fundamental Research in the Field of Nutrition and Experimental Foods	17330	Horticultural Br	65642	Brooklyn Botanic Garden	1903
Borden Award for Poultry Research	27451	Markets and Statistics Br	74538	Brooks (Paul B) Memorial Award	57233
Borden Award in Dairy Manufacture	17337	British Columbia Forest Serv	21046	Broomhall's Corn Trade Year Book	16081
Borden Award in Dairy Production	17336	21352 21376 30563 80898		Brown Swiss Cattle Breeders' Association	103432
Border Terrier Club of America	31530	81404 81405		Brown Swiss Cattle Breeders' Society of South Africa	12790
Bornholms Landokonomiske Forening	76896	British Columbia Institute of Technology	81509	Brunswick Biologische Bundesanstalt fur Land- und Forstwirtschaft	77505
Planteavlusudvalget	59108	British Columbia Lands Serv	35752	77506	
Boskoop Proefstation voor de Boomkwekerij	19956 19957 39152	35937 45643---45645 86557		Brunswick Forschungsanstalt fur Landwirtschaft	17476 109250
39283		British Columbia University	50442	Institut fur Biochemie des Bodens	101635
Botanical Expedition of H M S Sulphur	67743	Research Forest (Haney)	35752	Institut fur Landtechnische Grundlagenforschung	43420 95701
Botanical Society of America		British Columbia Water Resources Serv	6605	Institut fur Tierernahrung	71662
Physiological Sect	885	British Commonwealth Forestry Conference	21047	Brunswick Institut fur Landwirtschaftliche Marktforschung	34043
Botanical Society of Israel		British Cotton Growing Association	65257	Brunswick Technische Hochschule	102393
Plant Physiology Sect	88119	British Electrical and Allied Industries Research Association	33891	Institut fur Holzforschung	49034
Botanical Society of London	17508	British Friesian Cattle Society	71897	Bucharest Academia Republicii Populare Romane	49034
17535		92154		Budapest Allatorvostudományi Egyetem	51558
Botanical Society of the British Isles	77292	British Fuchsia Society	10705	Budapest Allatorvostudományi Foiskola	21823
Bourgelat Medal	71743	British Gladiolus Society	10706	Budapest Eotvos Lorand Tudományegyetem	88196
Bovenste Bos (Netherlands)	88120	British Goat Society	72725 72882	Botanikus Kert	
Boxer Klub	13218	British Grassland Society	90144	Budapest Erdeszeti Tudományok Intezet	60839 80793 80849
Boy Scouts of America	46235	British Guiana Commissioner for Cooperative Development	36149	Erdeszeti Gazdasagtan Osztaly	60925
Bozzo Importazione Esportazione Caffee	54448	British Guiana Dept of Agriculture		Budapest Kerteszeti es Szoleszeti Foiskola	49015 59476
Bradford's Directory of Marketing Research Agencies	15405	Sugar Experiment Stations' Committee	69632	Budapest Mezogazdasagi Gepkiserleti Intezet	84273
Brandywine Valley Association	39880	British Guiana Rice Development Co	6959	Budapest Novenyvedelmi Kutato Intezet	68084
Braugersten-Gemeinschaft SEE Arbeitsgemeinschaft zur Forderung des Qualitatsgerstensbaues im Bundesgebiet		British Honduras Forest Dept	21083	Budapest Orszagos Elelmezes- es Takozastudományi Intezet	46443
Brazil Conselho Nacional de Estatistica	54343	British Information Serv	45646 76113	Budapest Orszagos Husipari Kutato-intezet SEE Hungary Orszagos Husipari Kutatointezet	
Brazil Escola Nacional de Florestas	91447	British Insecticide and Fungicide Council	88692 39153		
		British Iris Society			
		British Leather Manufacturers' Research Association	97126		
		British Museum (Natural History)	84126		
		Sloane Herbarium	26760		



Item	
Budapest Szoleszeti Kutato Intezet	
Kiserleti Gazdasag	19916
Budapest Vizgazdalkodasi Tudomanyos	
Kutato Intezet	60578
Buenos Aires Bolsa de Cereales	16082
	16083
Buenos Aires Instituto de Botanica	
Agricola	77195
Buenos Aires Mercado de Cereales a	
Termino	16084
Build East Texas Program	26624
Building Research Board	
Advisory Committee on Cold-Storage	
Facilities	44084 54290
Bulgaria Tsentralno Statistichesko	
Upravlenie	106729
Bulgarska Komunisticheska Partiya	
Tsentralen Komitet	26605
Bunadarfelag Islands	76898
Bund fur Lebensmittelrecht und Lebens-	
mittelkunde	64817 84912 106672
Bureau Agricole Commun pour l'Etude	
de la Conjoncture Economique	7584
	56907
Bureau de la Nutrition Animale et de	
l'Elevage	22517---22519 52176
	61923 74197 76245 104253
	104322
Bureau d'Etudes et de Recherches Indus-	
trielles et Agricoles (Beziers)	26994a
Burma Central Statistical and Economics	
Dept	98257
Burma Ministry of National Planning	
	75935
"Buss" Handbuch Europaischer Produk-	
tenborsen	24411
Bydgoski Zwiazek Producentow Trzody	
Chlewnej	74191
Byogaichu Haasei Yosatsu-Jigyo	
Nijushunen Kinen Kyosan-Kai	248
	47069
Byori Kenkyu-Shitsu Choda Gokai	94590
Cacao Mirid Control Conference	104972
Cache National Forest Utah	75964
Caisse Nationale de Credit Agricole	
	7650 97606
Caisses Centrales de la Mutualite	
Sociale Agricole	66443
Calendario del Payes	57164
Calavo Growers of California	55029
Calcutta School of Tropical Medicine	
	105091
Calcutta Tea Merchants' Association	
	44150
Calcutta Tea Traders Association	27189
Caldas Universidad	
Facultad de Agronomia	26800a
California Agricultural Experiment Sta-	
tion	86339 87642 87643
Antelope Valley Field Station (Lan-	
caster)	17473
Div of Agricultural Sciences	76738
California Avocado Society	79450
California Beet Growers Association	
	69635
California Bur of Agricultural Statistics	
	97173 107408
California Bur of Communicable Dis-	
eases	
Veterinary Public Health Sect	81732
California Bur of Nursery Serv	49299
California Canning Peach Association	
	65472
California Conservation Camp Program	
	91452
California Crop and Livestock Reporting	
Serv	16259 44806 84863 97173
	107407 107408
California Dairy Industry Association	
awards	8426

Item	
California Date Growers Association	
	44635
California Dept of Agriculture	27369
	59789 87831 104973
California Dept of Fish and Game	
Marine Research Committee	78002
California Dept of Public Health	94182
California Dept of Water Resources	
	91025
California Div of Forestry	29649
	80791 81043 102623
California Fertilizer Conference	2330
California Forest Pest Control Action	
Council	88568 88569
California Fruit Exchange	44636
California Hay Grain & Feed Dealers	
Association	6964
California Horticultural Society	
Annual Award	17372
California Institute of Technology	
Div of Biology	36387
California Legislature	
Senate	
Fact Finding Committee on Agri-	
culture	17030
California Lima Bean Growers Associa-	
tion	44637
California Macadamia Society	79525
	79526
California Mosquito Control Association	
	94065 95124
California Olive Association	97190
California State Board of Equalization	
	35516
California State Board of Forestry	
	91452
California State Grange	98205 98206
California State Horseman's Association	
	97033
California University	87883
Agricultural Extension Serv	28822
	35875 45889 45890 76393
	94361 97955
Botanical Garden	77136 77138
	77162 77220
Cancer Research Genetics Laboratory	
	82487
Citrus Research Center Riverside	
	23346
College of Agriculture	
Dept of Vegetable Crops	58379
Dept of Agricultural Economics	
	16535
School of Veterinary Medicine	41317
	103311
California Veterinary Medical Associa-	
tion	21826 51481 82733
California Weed Conference	29166
	90603
California Wool Growers Association	
Epididymitis Subcommittee	82733
Callaway Gardens (Chipleay Ga)	8582
Camara Algodonera del Peru	54774
Cambridge Annobon Island Expedition	
	98887
Cambridge (New Zealand) Co-operative	
Dairy Co	6407
Cambridge University	
Botanic Garden Syndicate	46702
School of Agriculture	36059
Plant Breeding Institute	9554
	89302 89965
Cameroon Admin des Eaux-et-Forets	
	80521 102408
Cameroon Chambre d'Agriculture de	
l'Elevage et des Forets	87461
Cameroon Development Corporation	
	97702
Cameroon Serv de la Statistique	
Generale et de la Mecanographie	76739
Campaign Against Hunger	33959
Canada Agricultural Stabilization	54272
Canada Board of Grain Commissioners	
	8206 16088 46358 107446
Canada Bur of Statistics	2978 6240
	6525 15485 16260 25997
	34198 44841 50404 55133
	55840 55966 64914 64915

Item	
Canada Bur of Statistics--Cont	
	65259 76018 80959 84981
	85437 85574 86338 86526
	86665 91671 97174
Agriculture Div	54346 66296
Livestock and Animal Products	
Sect	65790 97175 97176
Industry Div	60758 73937
Merchandising and Serv Div	64324
Canada Dept of Agriculture	
	16843 27370 28950 29888
	34132 57393 66564 74468
	76025 97704
directories	108986
Economics Div	35938 36152
	46359
Entomology Research Institute	4672
Health of Animals Br	61912
Production and Marketing Br	66068
	85755
Livestock Div	6160 32164
	103076 104079
Markets Information Sect	44807
	44808 65852
Research Station (Summerland B C)	
	75297
Canada Dept of External Affairs	50520
Canada Dept of Finance	26458
Canada Dept of Forestry	60874
Forest Entomology and Pathology Br	
	32892 88570
Forest Entomology Laboratory	
(Vernon B C)	94640
Forest Products Research Br	12309
	12312 30089 30090 30535
	102886
Forest Products Laboratory	
(Ottawa)	81408
Forest Products Laboratory	
(Vancouver)	81408
Canada Dept of Mines and Technical	
Surveys	
Geographical Br	97705
Canada Experimental Farm (Charlotte-	
town)	45770
Canada Experimental Farm (Saanichton)	
	66758
Canada Grain Research Laboratory	
	34859 55239
Canada Lumberman Directory of Logging	
and Sawmilling Equipment	51046
Canada Maritime Marshland Rehabilita-	
tion Admin	80522
Canada Mink Breeders	92775 104060
Canada National Committee on Agricul-	
tural Engineering	33534
Canada National Research Council	
Associate Committee on Forest Fire	
Protection	71313
Canada National Weed Committee	
Eastern Sect	20230
Canada Prairie Farm Rehabilitation	
Admin	108238
Canada Wheat Board	25097 44842
	75374
Canada's Who's Who of the Poultry Indus-	
try	66069
Canadian Agricultural Chemicals Asso-	
ciation	46496 108987
Canadian Agricultural Economics Society	
	66331
Canadian American Committee	27191
Canadian Conference on Permafrost	
	20375
Canadian Co-operative Implements	
Limited	53627
Canadian Dairy and Ice Cream Journal	
	106863 106864 107007
Canadian Farm Implements	33535
Canadian Federation of Agriculture	
	86807
Canadian Hereford Association	51640
Canadian Imperial Bank of Commerce	
	26609 66477
Canadian Institute of Forestry	11876
	21050
Committee on Forest Mensuration	
Problems	2743



Item	Item	Item
Standing Committee on Silviculture 50443 50704	Centre National des Expositions et Con- cours Agricoles 8088	Christchurch (N Z) Botanic Gardens 67678
Canadian Institute of Forestry Gold Medal 17406	Centre d'Etudes Techniques Agricoles 29034 108377	Christlieb (Hamburg) 42437
Canadian Journal of Agricultural Eco- nomics 7623	Centro de Investigaciones Agricolas del Sureste (Mexico) 76116	Ch'uan Kuo Chi Chung Ch'an Mien Hsien Mien Hua Sheng Ch'an Hui I Chi Shu T'ui Kuang Lao Mo Tsu 90090 91058
Canadian Laboratories 102246	Centro de la Industria Lechera 6331	Chugach National Forest 30250
Canadian National Livestock Record Board 12759	Centro Internacional para el Mejora- miento del Maiz y Trigo (Chapingo Mex- ico) 90042	Chung Kung Nan P'ing Ti Wei Pan Kung Shih T'iao Ch'a Tsu 108169
Canadian National Livestock Records Committee 103386	Centro Panamericano de Fiebre Aftosa 41282	Chung Kung Shan-hsi Sheng Wan-ying Hsien
Canadian Pulp and Paper Association 21569 61439	Centro Panamericano de Zoonosis SEE Azul (Argentina) Centro Panamericano de Zoonosis	Chi Nung Ts'un Kung Tso Pu 97814
Technical Sect 12361 61437	Certificate of Superior Hygienic Quality (Northern Ireland) 54604 54605	Chung Kung Shun-ch'ang Hsien Wei Pan Kung Shih 108381
Woodland Sect 12362 81486	Ceskoslovenska Spolecnost Entomolog- icka 63363	Chung Kung Tung-shan Hsien Wei Nung Ts'un Kung Tso Pu 108490
Canadian Seed Growers Association 38655	Ceylon Agricultural and Industrial Cred- it Corporation 86631	Chung Kuo Yuan I Hsueh Hui 38935
Canadian Society of Animal Production 103387	Ceylon Chamber of Commerce 76740	Church of Jesus Christ of Latter-Day Saints 87234
Canadian Swine Breeders' Association 52499	Ceylon Coconut Research Institute 10620 69714	Church World Serv Christian Rural Overseas Program Agricultural Missions 56047
Canadian Veterinary Medical Associa- tion 91925	Ceylon Dept of Agrarian Serv 97707 7583	CIDA SEE Comite Interamericano de Desarrollo Agricola
Canadian Wood Products Industries 12237	Ceylon Dept of Agriculture 27074	Cifteler Harasi Ineklerinde 51909
Canner/Packer 24508	Ceylon Dept of Census and Statistics 74540 108241	Citrus Growers Association 6696
Cape Town Fishing Industry Research Institute 97497	Ceylon Dept of Irrigation 40167	Citrus Processors' Meeting 54932
Carapichaima (Trinidad) Tate & Lyle Central Agricultural Research Station 10534	Ceylon Dept of the Commissioner of Co- operative Development 108783	Citrus Research Conference 107242
Caribbean Conference 66377	Ceylon Forest Conservancy 102409	Clemson Agricultural College SEE South Carolina Clemson Agricultural College
Caribbean National Forest 11937	Ceylon Land Commissioner's Dept 76250	Club Hipico de Santiago 82430
Caribbean Organization Library 35413	Ceylon Rubber Control Dept 7394	Clydesdale Horse Society of Great Britain and Ireland 52087
Carman District Farm Business Asso- ciation 45771	Ceylon Tea Control Dept 6264	Cocoa Chocolate and Confectionery Alli- ance 11136
Carmichael Hospital for Tropical Dis- eases 105091	Chain Store Age 44638	Cocoa Price Stabilisation Scheme 85107
Carnation Yearbook 39154	Chamber of Commerce of the United States of America 66565	Coconino National Forest 71143
Carnegie Corporation of New York 108701	Chambers of Agriculture Australia 27117	Codex Alimentarius 24448 34103
Carnegie Institution of Washington 27616	Austria 17073 36074	Codex Alimentarius Europaeus 24450
Carson R Silent Spring 8975 17300	Germany 7924 26564	24451 54205 96172 106653
27399 52733 73319 77544	Chambers of Commerce 27120	106660 15518 54407
96860	Chattahoochee National Forest 61227	Coffee Annual 15518 54407
Casale Monferrato Istituto de Speri- mentazione per la Pioppicoltura 91527	Che-chiang Sheng I-wu Hsien Nung Yeh Shih Yen Ch'ang 101922	Coffee Board (India) SEE Indian Coffee Board
Cashew Trade Delegation to West Europe (India) 46404	Chemical Specialties Manufacturers Association 73057	Coffee Brewing Institute 85128
Cassa per il Mezzogiorno 76181	Committee RA49 32877	Coimbatore Southern Forest Rangers College 91448
76484 97870	Insecticides Div 23037	Coimbatore Sugarcane Breeding Institute 28741 90231
Caterpillar Tractor Co 51049	Chemurgic Council 106592	Collaborative Pesticides Analytical Committee 52696 77511 79782
Cattle Compensation Act (Australia) 16187	Cherry (G) Organization 30776	88702 93948 101471 101472
Cawthron Institute 68722	Cheviot Sheep Society 93571	104984
CCTA SEE Commission pour la Cooper- ation Technique en Afrique	Chiang-hsi Sheng Teng-chia-pu Shui Tao Yuan Chung Ch'ang 101924	Collegiate Students' International Contest in Judging Dairy Products 34393
CCTA/FAO Symposium on Quelea 8914	Chiarugi A Tavole Cromosomiche delle Pteridophyta 37669	Colloque International sur la Chimie des Cafes Verts Torrefies et leurs Derives 24619 44158
Cece Forest Reserve (Nigeria) 37573	Chiba General Livestock Station 32048	Colloquium on Apricot Apoplexy 47172
Cela Landwirtschaftliche Chemikalien 29169	Chicago Board of Trade 65680	Colloquium on Insect Pathology and Microbiological Contest (International) 42422
Cellulose Conference 21683	Chicago Mercantile Exchange Statistical Dept 74541	Colloquium on Karyosystematics and Experimental Taxonomy 17579
CEMA SEE Council for Mutual Eco- nomic Assistance	Chicago Natural History Museum 87832	Colloquium on Soil Fauna Soil Micro- flora and their Relationships 2190
Center for the Study of Democratic In- stitutions 76589	Chi-chu Chuan Ch'u Nung Yeh K'o Hsueh Yen Chiu So 89968	Colloquium on Soil Microbiology 70400
Central Arizona Project 70474	Chief Joseph Dam (proposed) 70795	Colloquium on the Economic Aspects of the Production and Utilization of Fiber- board and Particle Board 41068
Central Bank for Cooperatives 108088	Chile Consejo de Coordinacion de Esta- disticas Agropecuarias Continuas 44116 54347	Colloquium on the Odonata 43343
Central Coast Pear Association 15972	Chile Direccion de Estadistica y Censos 44117	Colloquium on the Production and Mar- keting of Meat 75505
Central Drug Research Institute 92083	Chile Universidad Facultad de Agronomia	Colloquium on Rice in Tropical Africa 19495
Central Treaty Organization 76590	Estacion Experimental Agro- nomica	Colloquium on Soil Fauna Soil Micro- flora and their Relationships 2190
Centralne Laboratorium Przemyslu Paszowego 85547	Instituto Pedagogico 67401	Colloquium on the Systematics of Euro- pean Beechwoods (International) 46894
Centralny Zwiasek Kolek Rolniczych 17097 45773	China Ministry of Forestry 50522	Colloquium on Vaccination against Brucellosis 21922
Centralstyrelsen for Malmohus Lans Forsoksoch Vaxtskyddsringar 2332	Chin-Chiang Hsien Nung Chi Chan 100161	Colloquium The Future of Sheep Breed- ing in View of the Evolution of Tech- niques 93575
101919	Chinchilla Industry Testing Center 52084	Cologne Maul-und-Klauenseuche Station 12688
Centre d'Enseignement et de Recherches des Industries Alimentaires (Belgium) 15591 106703	Chinchilla Society of South Africa 82428	
Centre des Jeunes Artisans 76660	Chinese Academy of Sciences Institut of Oceanography 46953	
Centre des Jeunes Patrons 16529	Chippewa National Forest 2867	
	Chiriqui Land Co 66759	



Item	Item	Item
Colombia Dept Admin Nacional de Estadística 27193 56786 108818	Commonwealth Institute of Biological Control	Congreso Argentino de la Industria Aceitera 45120
Colombia Laboratorio Químico Nacional 91062	West Indian Station 32581	Congreso Agrario Nacional 66574
Colombia Ministerio de Agricultura 27371 76901	Commonwealth Scientific and Industrial Research Organization SEE Australia	Congreso Nacional de Cafeteros (Colombia) 106778 106779 106780 106781
Colombia Ministerio de Fomento 27194	Commonwealth Scientific and Industrial Research Organization	Congreso Nacional de Entomología (Mexico) 104956
Colombo Plan for Co-operative Economic Development in South and South-East Asia 45410 66548	Community Development Programme (India) 45731 46133 46205	Congreso Nacional de Ingeniería Agronomica (Spain) 106168 106176--106179
Colorado Agricultural Experiment Station 63536 72323	Communtation Act (Gt Brit) 36219	Congreso Nacional de Medicina Veterinaria y Zootecnia (Colombia) 41286
Colorado Cattle Feeders Association 44991	Compagnie Agricole et Industrielle de Tabacs Africains 66262--66264	51484
Colorado Conservation Needs Committee 20966	Compagnie d'Amenagement des Landes de Gascogne 56617	Congress of British Entomologists 4624
Colorado Crop and Livestock Reporting Serv 34199 106730	Compania Bananera de Costa Rica 15891 85660	Congressional District Data Book 54376
Colorado Dept of Agriculture 17251	Compania Salvadorena de Cafe 106774	Congresso Brasileiro de Zoologia 42344
Colorado River Storage Project 70796	Compound Animal Feeding Stuffs Manufacturers National Association 107072	Congresso delle Industrie dell'Alimentazione Animale 81642
80662	Confederation Europeenne de l'Agriculture 7620 56082 66572 67214 67215 76118 87537 91703 97763	Congresso Nazionale del Freddo 54295
Colorado State Grange directories 76663	Comite d'Experts en Matiere Economique de l'Exploitation Agricole 75937	Congresso Nazionale Veterinari Liberi Professionisti 41287
Colorado State University Engineering Research Center 20833	Confederation Internationale du Credit Agricole 56082 97603	Connecticut Dept of Agriculture and Natural Resources 54348 62801
23976 23980	Confederation of Agricultural Trading Organisations (Northern Ireland) 84883	Marketing Div 54933 85661
Extension Serv 27119 68007	Confederation Nationale de la Mutualite de la Cooperation et du Credit Agricoles 67237	Connecticut Nutrition Council 76848
Colorado University American Institute of Biological Sciences 83209	Confederazione Generale dell'Industria Italiana 26617	Connecticut Pomological Society 49037
Colorado Wool Growers Association 104734	Conference on Advances in Flavor Research 64743	Connecticut (Storrs) Agricultural Experiment Station 109211
Comilla Pakistan Academy for Rural Development 80528	Conference on Agricultural Development Policy 88812	Connecticut State Highway Dept 108641
Comite Cafetalero del Peru 44159	Conference on Area Development 45650	Connecticut University Agricultural Extension Serv 68008
Comite Central de la Laine 25173	Conference on Biochemical and Biophysical Mechanisms in the Production of Radiation-Induced Chromosome Aberrations 58226	Conselho Superior do Comercio Exportador de Cafe Brasileiro 56953
Comite des Industries Papeteries 40989---40991	Conference of Biological Editors Committee on Form and Style 98424	Conservation Council of Pennsylvania Bowman's Hill State Wildflower Preserve Committee 26846a
Comite Interfrancain du Machinisme Agricole SEE Inter-African Committee on the Mechanization of Agriculture	Conference on Comparing USSR and USA Economic Indices 66573	Conservation Reserve Program 7770
Comite Interamericano de Desarrollo Agrícola 35726	Conference on Cotton Insect Research and Control 52833 105165 105166	16971 26650 26716 26718 34192 67051 76115 106760
Comite Interamericano Permanente Antiacridiano 93949	Conference on Flavor and Texture of Foods 64820	Consfatuirea de Pedologie pe Tara 11162
Comite Interprofessionnel d'Etudes des Techniques Agricoles et Pesticides 84571	Conference on Dutch Elm Disease 99306	Consfatuirea Interregionala Etiologia si Epidemiologia Zoonozelor 103192
Comite voor Onderzoek op de Bewaring van Fruit en Groenten 65578	Conference on Genetics 23503 94074	Consolidated Badger Cooperative 65102
Commercial Grower 59457	Conference on Intensive Animal Production from Grass (Gt Brit) 30779	Consorzio Nazionale per il Credito Agrario di Miglioramento 97604
Commissie Onderzoek Broodverbruik 87798	Conference on Maple Products 55844	Consorzio Nazionale Produttori Uova 66116
Commissie ter Bevordering der Suikerbietenteelt in de Noordelijke Provincien 69636	Conference on Opportunities in Nutritional Science 57099	Consorzio Provinciale per la Profilassi e la Polizia Veterinaria (Parma) 103217
Commissie voor Onderzoek van het Leverbotvraagstuk 61735	Conference on Pulp and Paper Development in Asia and the Far East 40992	Constant Prize for Entomology 46540
Commission Internationale Technique de Sucrerie 86450	Conference on Rice Utilization 55242	Consumer Price Index 34059
Commission pour la Cooperation Technique en Afrique 19495	Conference on the Role of Wheat in the World's Food Supply 44847	Contracting Parties to the General Agreement on Tariffs and Trade 8207
Committee for Economic Development Research and Policy Committee 66570 87624	Conference on Rumen Function 81737	27195 36192 67282 76742 98261
Committee for Mapping of Macromycetes in Europe 8867	Conference on Soviet Agricultural and Peasant Affairs 76156	Convegno degli Operatori ed Utilizzatori di Cereali Foraggeri 65682
Commonwealth Agricultural Bur 67470	Conference on Soybean Products for Protein in Human Foods 55583	Convegno Nazionale sulle Seminti Orensi 7407
87836 98699 102373 102374	Conference on the Development of Fertilizer Industry in Asia and the Far East 60763 70850	Convencion Agronomica (Peru) 60024
Executive Council 17252	Conference on the Role of Wheat in the World's Food Supply 44847	Convencion de Medicos Veterinarios de Chile 12567
Review Conference (London) 88080	Confencia Cafetera Nacional (Colombia) 106775 108089	Convencion de Medicos Veterinarios de Venezuela 51485
Commonwealth Bur of Animal Nutrition 103118	Conferenza Nazionale del Mondo Rurale e dell'Agricoltura 45705	Convencion Nacional de Veterinarios (Argentina) 41289
Commonwealth Bur of Dairy Science and Technology 74709 74968	Congres des Instituts de Recherches sur les Viandes 75506	Cook Committee 73061
Commonwealth Bur of Horticulture and Plantation Crops 29395 34654 49014 58549---58552	Congres International de la Vigne et du Vin 99307 106776 106777 107214	Cooper Pocket Guide 81738
Commonwealth Club of California 87304	Congres National des Industries de l'Alimentation Animale 7191 34465 34466	Cooperatieve Centrale Raiffeisenbank 108091
Commonwealth Dairy Produce Equalisation Committee 26725	Congres National Italien sur le Riz 55243	Cooperativa Agricola Casearia S Angiolina 24887
Commonwealth Development Bank of Australia 26457		Cooperativa Agricola de Cotia 54349
Commonwealth Economic Committee SEE Gt Brit Commonwealth Economic Committee		Cooperativa Algodonera Salvadorena 25150
Commonwealth Forestry Institute SEE Oxford University Commonwealth Forestry Institute		Cooperativa Nacional Avicola (Spain) 66073



Item		Item		Item	
Cooperative Forest Genetics Research Program SEE Florida University School of Forestry		Council of Egg Marketing Authorities of Australia	55708	Darmstadt Institut fur Biologische Schadlingsbekämpfung	52754
Cooperative Forest Genetics Research Program		Council on Consumer Information	60358	Darmstadt Technische Hochschule	21613
Cooperative Forestry Research Advisory Board	80893	Council on Fertilizer Application	60358	Date Growers' Institute	59514
Co-operative Fruit Growers' Society	15970	Country Landowners Association		Davison's Textile Blue Book	6614
Cooperative Grange League Federation Exchange	17110 67245 87576	Durham Br	43866	Debrecen Mezogazdasagi Akademia	106189
Co-operative Managers' Assembly	76685	Country Women's Association of New South Wales	87538	Deere and Co	76965
Cooperative Organizations (Japan)	108792	County Assessors of California	35516	Dehra Dun Forest Research Institute	40398 73897
Cooperative State-Federal Brucellosis Eradication Program	21931 51557 72242	Coutras Union Cooperative de Distillation	24689	DeLaval Extension Award	17341
Cooperative State-Federal Tuberculosis Eradication Program	72303	Credit Agricole et Cooperatif	35468	Delaware Agricultural Experiment Station	84518
Cooperative State Research Serv	80893	Creditkassen for Landejendomme i Ostifterne	26460	Delaware Forestry Dept	80862
Cooperative Union of Saskatchewan	27149	Creston Iowa Farmers' Co-operative Co	17114	Delaware State Board of Agriculture	8372
Coordinated Beef Improvement Conference	3352 22289	Crop Quality Council	89969 89970	Delft Houtinstituut TNO	3005
Copenhagen Market and Slaughter Halls	86151	Crop Science Society of America	10284	Delhi University	27591a
Copenhagen Sundhedskommissionen	6429 15689	Cuba Ministerio de Industrias Dept de Informacion Tecnica	85093	Delphinium Society	19976
Copenhagen Veterinaer- og Landbohojskole	36574	Cullum Geographical Medal	67602	Delphinium Year Book	19976
Havebrugsafdelingen	49021	Cumberland National Forest	2865	Demoll-Hofer-Institut SEE Munich	
Institut for Sterilitetsforskning	21726	Cuneo Camera di Commercio Industria e Agricoltura	86562	Bayerische Biologische Versuchsanstalt	
Corette Scottish Chieftain Breeders Association	104082	Azienda Autonoma Studi ed Assistenza alla Montagna	108249	Denmark Boligministeriet	45490
Corn Industries Research Foundation	55247	Cureghem Ecole de Medecine Veterinaire	41290	Denmark Direktoratet for Statsskovbruget	71015
Corn Products Institute of Nutrition	36306	Current Veterinary Therapy	82369	Denmark Kemikaliekontrollen	27414
Cornell-Los Banos Contract	76650	Custer National Forest	38811	Denmark Landbrugsraadet	24565
Cornell Nutrition Conference for Feed Manufacturers	21750	Cyprus Dept of Agriculture	87839		24566
Cornell University	86866	Cyprus Dept of Water Development	2520 80532	Denmark Landokonomisk Forsogslaboratorium	93903
College of Agriculture		Cyprus Forest Dept	11916 30147	Denmark Statens Bisygdomsnaevn	4935
Seminar in Natural Resources	40177		102410	Denmark Statens Foderstofkontrol	34468
Floriculture Dept	19966	Cyprus Statistics and Research Dept	7585 34200 36194	Denmark Statens Forsogsmejeri	85194
Off of International Development	88064	Czechoslovak Microbiological Society SEE Mikrobiologicka Spolecnost Ceskoslovenska			107009
Corporacion Venezolana de Desarrollo Agropecuario Nacional (proposed)	86789 52356			Denmark Statens Forsogsvirksohmhed i Plantekultur	18098 19500 19612
Corriedale Sheep Society	52356				19613 19703 20240 20241
Corso di Qualificazione Tecnica in Entomologia Merceologica	93952				20623 49308 69390 69517
Coshocton Watershed Hydrology Research Station	39877				69958 70521 77673 79787
Costa Rica Dept de Investigaciones en Cafe	9724				99320 100780 100933--100935
Costa Rica Direccion General de Estadistica y Censos	8208 55557 76547				101068 101208 101385--101393
Costa Rica Ministerio de Agricultura y Ganaderia	57165				101481 101934 102134 106346
Costa Rica Universidad	28410				107077
Cotia Cooperativa Agricola	36153			Denmark Statens Husdyrbrugsudvalg	51645 103389
Cotton and Textile Annual (Bombay)	34526			Landokonomisk Forsogslaboratorium	32554 51621
Cotton Board Conference (Gt Brit)	65268			Denmark Statens Mejeriudvalg	85194
Cotton Defoliation and Physiology Conference	1548 79232			Denmark Statens Planteavlkontor	38656
Cotton Disease Council	88574			Denmark Statens Planteavlsudvalg	38656
Cotton Improvement Conference	69466			Denmark Statens Plantepatologiske Forsog	17952 68012
Cotton Producers Institute	67321			Denmark Statens Plantetilsyn	17953
Cotton Research Clinic	44440 44487				27197 99159
Cotton Research Man of the Year Award	8429			Denmark Statens Skadedyrlaboratorium	4889 73134 73135
Cotton Trade Journal	54790			Denmark Statens Smorbedommelser	96495
Cotton Utilization Research Conference	54791 65979			Denmark Statens Ukrudtsforsog	70082
Cottonseed Processing Clinic	65979			Denmark Statistiske Dept	15486
Council for Mutual Economic Assistance	8258 46372 54079 107887 109217			Denmark Statsfrokntrollen	55770
Council for the Preservation of Rural England	8006 87305			Denmark Udenrigsministerium	75939
Council of California Growers	17095				76746
				Denmark Veterinaerdirektoratet	71707
				Desalination Research Conference	11711
					60592
				Desert Land Act of 1877	66975
				Desierto de los Leones (Mexico)	81277
				Detmold Bundesforschungsanstalt fur Getreideverarbeitung SEE Germany (Federal Republic) Bundesforschungsanstalt fur Getreideverarbeitung	
				Deutsche Agrarwissenschaftliche Gesellschaft	46208 46241 46243
					46252
				Deutsche Akademie der Landwirtschaftswissenschaften	7616 7759
					8120 15373 17033 17085
					67178 67191
				Biologische Zentralanstalt	68013
				Institut fur Landwirtschaftliches Versuchs- und Untersuchungswesen	60363
				Institut fur Tierhaltung Knau	51964
				Sektion Tierzucht Tierernahrung und Fischerei	103390



	Item
Deutsche Bauernsiedlung	98109
Deutsche Botanische Gesellschaft	8562
	8563
Deutsche Forschungsgemeinschaft	46672
Deutsche Forschungszentrale für Schmetterlingswanderungen	84141
Deutsche Gesellschaft für Angewandte Entomologie	63367
Deutsche Gesellschaft für Arzneipflanzenforschung	79878 90755 101603
	101604
Deutsche Gesellschaft für Ernährung	24314 46445 67445 76873
	87769
Deutsche Gesellschaft für Fettwissen-schaft	26027 26028 35157
	55676 65981
Deutsche Gesellschaft für Forderung der Brauwissenschaft	106786
Deutsche Gesellschaft für Holzforschung	102903
Deutsche Gesellschaft für Hygiene und Mikrobiologie	67472
Deutsche Gesellschaft für Zuchtungs-kunde	7161 26027 26028 35157
	51377 61924
Deutsche Landwirtschafts-Gesellschaft	
	6122 6438 6440 6455
	7206 15170 15714 24917
	24924 24928 24931 24932
	24941 24947 34388 34389
	34390 34397 43455 46258
	46501 50005 55589 56832
	65210 74866 74870 74875
	74882 74886 74892 75526
	85377 85421 96509 96524
	98155 98184 106425 106951
	106956 106964 106974 106975
	106993 108704
Deutsche Landwirtschaftsverlag	103412
Deutsche Pflanzenschutz Tagung	27005
Deutsche Pharmakologische Gesellschaft	93954
Deutsche Physiologische Gesellschaft	103194
Deutsche Tierärztliche Monatsschrift	87928
Deutsche Tropenmedizinische Gesell-schaft	32667
Deutsche Veterinarmedizinische Gesell-schaft	41293
Arbeitsgemeinschaft für Veterinar-pathologen	41293 51490
Fachgemeinschaft Pathologie	41293
	51490
Deutsche Zoologische Gesellschaft	104957
Deutscher Bauernverband	46253
Deutscher Braumeister und Malz-meister-Bund	34243
Deutscher Fleischerverband	97040
Deutscher Forstverein	50450
Deutscher Imkerbund	4936
Deutscher Normenausschuss	76122
Deutscher Pudel-Klub	92680
Deutscher Raiffeisentag	56928
Deutscher Raiffeisenverband	16574
Deutsches Holz-Adressbuch	102925
Deutsches Lederinstitut	97060
Dexter Cattle Society	61965
Diseases of Animals Act (Gt Brit)	71728
Distillers Feed Conference	96664
Distillers Feed Research Council	3054
	96664
Distinguished Serv Award for the Ad-vancement of the California Rice Indus-try	17394
Distributive Education Clubs of America	46251
Distrito de Conservacion de Suelos "Oeste" (Puerto Rico)	102269
Dixie Project (Utah)	70794 70797
Dominican Republic Direccion General de Estadistica y Censos	35136
Dominion Dairy Conference	24759
Dorset Down Sheep Breeders' Associa-tion	93573

	Item
Dorset Horn Sheep Breeders' Associa-tion	63016
Douglas Fir Plywood Association	30626
Dreilaender-Holztagung	91756
Dropmore Pinetum	46890
Drumheller District Agricultural Society	87540 98207
Dry Bean Research Conference	6863
Dublin An Foras Taluntais	
Animal Production Div	51622
Horticulture and Forestry Div	38937
Plant Sciences and Crop Husbandry Div	38657
Rural Economy Div	35414
Soils Div	29432
Dublin Veterinary Dept	3150 103199
Duluth Board of Trade	
directories	55258
Dumfriesshire and Galloway Natural History and Antiquarian Society	46502
Dummerstorf Institut für Tierzucht-forschung	51828 87004
Durban Botanical Garden	93904
Durham (N C) Sarah P Duke Gardens	
	36633
Durham School of Agriculture	62434
Durum Wheat Institute	107489
Dusseldorf Landesausschuss für Land-wirtschaftliche Forschung Erziehung und Wirtschaftsberatung	40399
Dutch Information Centre for Agricul-tural Seeds	10913
Dwarf Iris Society	59590
East African Agriculture and For-estry Research Organization	27619
	36575
East African Common Serv Organization	76751 109254
Tropical Pesticides Research Insti-tute SEE Tropical Pesticides Re-search Institute	
East African Customs and Excise	27199
East African Industrial Research Organ-ization	74585
East Bench Irrigation Project	29914
East India Cotton Association	44452
	54796
East Malling Research Station	28767
	79418 79419
Eastern Shore Poultry Growers' Ex-change	97289
Eastern Snow Conference	20836
Eastern States Farmers Exchange	67245 87576
Ebenrain Landwirtschaftliche Schule	16787 97800
Eberswalde Waldsamenprüfungsanstalt	81166
Ecological Society of America	9315
George Mercer Award	67536
Economic Opportunity Act of 1964	108343
Economist	
Intelligence Unit	76753
Ecuador Instituto Nacional de Nutricion	87750
Edinburgh Royal Botanic Gardens	57602
Edinburgh School of Agriculture	57382
	88081
Edison Electric Institute	79617
Editor & Publisher Market Guide	15487
Eesti Pollumajanduse Akademia Institut Zoologii i Botaniki	11964
Looduskaitse Komisjon	80679
EFTA SEE European Free Trade Asso-ciation	
El Salvador	35607
El Yunque Rain Forest Puerto Rico	11937

	Item
Elephant Butte Reservoir	40157
Elisha Mitchell Scientific Society	27375
Elista (USSR) Protivochumnaya Stantsiya	32670
Elk State Forest (Pennsylvania)	50640
Emiliano P R T De Re Rustica	108309
Emmental AG Zollikofen	74688
	98266
Empire Cotton Growing Corporation	
	1551 28583 48775---48780
	65274 65275
English Guernsey Cattle Society	103443
	103444
Ente Delta Padano	65613
Ente Nazionale Corse al Trotto	82469
Ente Nazionale per la Cellulosa e per la Carta	42756---42763
Centri di Difesa Fitosanitaria	83533
Ente Nazionale Risi	
Comitato Sementi	28552
Ente Nazionale Sementi Elete	66171
Ente Nazionale Serico	44453 94592
	107138
Entomological Society of America	93927
	93928 93929 93931
Eastern Br	
Citation of Merit	98525
North Central Br	42346
Pacific Br	93929
Entomological Society of China	93925
Entomological Society of Manitoba	
	52677 104952 104958
Entomological Society of Ontario	4626
Entomological Society of Philadelphia	73033
Entreprises Agricoles de la Busira au Lomami	45781
Equine Research Station (Newmarket)	
SEE Animal Health Trust (Gt Brit)	
Equine Research Station (Newmarket)	
Erdeszeti Lapok	40409 40429
Erdeszeti Tudományos Intezet SEE Budapest Erdeszeti Tudományos Intezet	
Erdogazdasági és Faipari Tervező Iroda	30116
Erhvervsraadet for Gartneri og Frugtavi	85811
Espirito Santo Dept Estadual de Estatística	44119 65955
Essex Beekeepers' Association	83605
Estacion Experimental Los Diamantes	
SEE Guapiles (Costa Rica) Estacion Ex-perimental Los Diamantes	
Estonia Institut Eksperimental'noi Biologii	67844
Ethiopia Central Statistical Off	34201
European and Mediterranean Plant Pro-tection Organisation	8922 57909
	57910 68313 99201
European Association for Animal Produc-tion	31115 61751
European Association for Potato Re-search	70010
European Brewery Convention	44211
	64947 64970 64973
Analysis Committee	96951
Barley Committee	65689
European Committee of Rural Law	
	86830
European Common Market	8195
	8197 8267 8293 17133
	26655 27225 27227 35704
	36184 36249 57045 76111
	76797 86608 87631 87652
	87698 98309
and agriculture	
Australia	66550
Austria	45709 76138 76144
California	35594 45719 76738
Delmarva Peninsula	17186
Europe	26697 66649 98259
France	86891
Germany	45710 45729 56305
	66705 66736 86861 97753
	108292
Great Britain	35602 35702
	86805



	Item			Item			Item	
European Common Market--Cont			European Common Market--Cont			Farmers Cooperative Grain Dealers As-		
and agriculture--cont			and vegetable industry--cont			sociation of Oklahoma	8160	46283
Italy	6067	16729	Germany	15917	17189	Farmers Elevator Association of South		
45634	45666	66544	Italy	25283	25319	Dakota		85931
108537			Spain		107350	Farmers Grain Dealers Association of		
Japan		35633	and vegetable trade	17142	67311	Illinois	55264	55265
Netherlands		86883	and veterinary medicine		12733	Farmers Grain Dealers Association of		
Southern States		76186	and wheat industry		86018	Iowa (Cooperative)	44867	44868
Spain		108299	and wheat trade		46355	55266	67238	67239
Switzerland		66638	and wine industry	15523	96275	Farmers Grain Dealers Association of		
Texas	46383	56292	and wool industry	6652	65282	North Dakota		25612
United States		7817	finance		27185	Farmers Union Central Exchange		56929
46399	56257	57000	legal aspects		36188	Farmers Union Cooperative Marketing		
66577	66583	66584	policies and programs		36240	Association		54157
97726			situation and outlook		36237	Farmers Union Grain Terminal Asso-		
and apple industry	44564	65414	European Communities		74542	ciation	44869	44870
and apple trade		8290	European Community Information Serv			Farmers Union of Alberta		108770
27247			Washington Bur		56257	Farmers' Week		86820
and butter industry		96486	European Conference for Forage Pro-			Farmingdale (N Y) Agricultural and		
and cacao trade		76732	duction on Natural Grassland in Moun-			Technical Institute SEE New York (State)		
and citrus trade		8245	tain Regions	90145	100939	University Agricultural and Technical		
and cooperative organizations		27140	European Congress of the Animal Feed			Institute (Farmingdale)		
and cotton industry		54808	Industry		85549	Federacao das Cooperativas de Arroz		
and cotton trade		36191	European Economic Community		35308	do Rio Grande do Sul		44887
and credit		35477	46364	108823	108856	Federacao Nacional dos Produtores de		
and currant industry		87643	European Free Trade Association		27227	Trigo		107457
and dairy industry		6330	40747	51019		Federacion Cafetalera de America		
96364	96637		European Green Coffee Merchants Asso-				106788	
and economy	66345	98254	ciation		57062	Federacion de Cafeteros de Colombia		
and egg industry		97358	European Meat Industry Research				106789	
and egg trade		56954	Workers		44998	Federacion de Cajas de Credito		
and feed industry	15798	15799	European/North American Working Con-			(El Salvador)	7652	108092
and food industry		54248	ference on University Level Education			Federal Intermediate Credit Banks		
and food trade		17163	in Agriculture		36075		56112	
and forest products trade		40747	European Orientation and Guarantee Fund			Federal Land Bank of New Orleans		30226
and forestry	2697	2887	for Agriculture		86608	Federal Land Bank of Wichita		7653
30468	91467		European Potato Introduction Station			Federal Land Banks		108119
and fruit industry				77172		Federal Reserve Bank of Atlanta		86333
Belgium		107263	European Weed Research Council		39516	Federal Reserve Bank of Dallas		86456
France		25319	Europeese Comité voor de Melkcontrole			Federal Seed Act	8297	16394
Germany	15917	55057		92673		26238	26239	66168
Great Britain		25335	Eutin Landwirtschaftsschule		87421			107895
Italy	25283	25319	Eutin Wirtschaftsberatungsstelle		87421	Federal-State Frost Warning Serv		27016
Spain		107350	Evaporated Milk Association		85446	Federal Tobacco Inspectors Mutual As-		
and fruit trade		8221	Executive Development Seminar		57371	sociation		35578
17142	27216	67311	Exeter University			Federal Wine and Brandy Producers'		
and grain industry		54436	Dept of Economics (Agricultural			Council of Australia		74587
and horticulture		34680	Economics)	66911	86984	Federated Farmers of New Zealand		
	66705		Expedition Antarctic Belge		17881		108771	
and livestock industry		7113	Export-Import Bank		66416	Federation Europeenne de Zootechnie		
15798	15799	55394	Extension Journal		36117	SEE European Association for Animal		
and livestock trade		8226				Production		
and lumber industry		2887				Federation Europeenne des Fabricants		
and marketing	84898	106622				d'Aliments Composes pour Animaux		
and meat industry		7113					81642	
75590	103326	107555				Federation Nationale des Syndicats		
and meat trade		8226				d'Exploitants Agricoles		76576
and olive oil industry		108877				Federation Nationale Ovine		55420
and orange trade		65996				72885	93575	
and plant protection		27241				Federation of British Industries		56975
and poultry industry	56989	18028				Federazione Europea dei Fabbricanti di		
	108871	86339				Alimenti Composti per gli Animali SEE		
and poultry trade		8223				Federation Europeenne des Fabricants		
and prices		44068				d'Aliments Composes pour Animaux		
and prune industry		87642				Federazione Italiana dei Consorzi		
and pulp and paper industry		12377				Agrari		76662
40990	81515					Feed and Farm Supplier	96668	96669
and railway tie industry		40908				Feed Bag		65203
and raisin industry		87643				Feed Bag Red Book		65203
and rice trade		46367				Feed Grain Program	6581	34500
and sugar industry		26308				75480	85528	108605
and trade						Feed Production School		6547
Africa		87695				Fehr R & Co		26036
Australia		87672				Feira Nacional de Animais (Brazil)		
Canada	27214	86841					12763	
Denmark		76746				Femmes d'Aujourd'hui		10740
Germany		84859				Ferrara Commissione Provinciale Ap-		
Great Britain		36211				provazione Tori		3362
India		17162				Fertiliser Association of India		50408
Iran		27202				Fertiliser Manufacturers Association		
Poland		46385					40364	
Switzerland		84884				Fertilizer Corporation of India		
United States	6780	8247				Planning and Development Div		60767
8265	36245	56964				Fertilizer Industry Round Table		2642
57042	66649	87671					91378	
87675						Fiddlers Creek Farm Research Project		
and vegetable industry		25445					95795	
France		25319				Fiji Dept of Agriculture		17254

Item	Item	Item
Fiji Dept of Forestry 102411	Food and Agriculture Organization of the United Nations--Cont	Forest Products Research Society 30566
Fiji Registrar of Cooperative Societies 27153	96086 98270 98664 102083	81409 102914
Finland Maatalouden Tutkimuskeskus 57383	103211 103212 106393 106652	51160
Finland Metsaalan Organisaatiolomitea 50525	108258 108259 109219 109221	Inland Empire Sect
Finland Metsahallebus 70947	Ad Hoc Working Party on Rural Sociological Problems in Europe 87364	Forest Research Institute (India) SEE
Finland Metsätieteellisen Koelaitoksen 57251	Codex Alimentarius Commission 64823	Dehra Dun Forest Research Institute
Finland Statistiska Centralbyran SEE	Conference on Pesticides in Agriculture 17288	Forest Research Programs and Promotion Act 80893
Finland Tilastollinen Paatoimisto	Div of Animal Production	Forestry Abstracts 102373 102374
Finland Tilastollinen Paatoimisto 8220	Dairy Br 85218	Forschungsgemeinschaft "Mais und Feldfutter" 90193
17144 24515 46054 46055	European Forestry Commission 50605	Forschungsgesellschaft für Agrarpolitik und Agrarsoziologie 97716
76548 98084	Working Party on Torrent Control Protection from Avalanches and Watershed Management 50249	Forschungsrat für Ernährung Landwirtschaft und Forsten 17211 57384
Finlands Flottareforening 2899	91332	Forst- und Holzwirtschaft 80795
Finska Vetenskaps-Societeten 76902	Fisheries Div 97499	Forstkalender 80795
Fishing Industry Research Institute Cape Town SEE Cape Town Fishing Industry Research Institute	Forestry and Forest Products Div 50446	Forstliche Hochschulwoche 40402
Five-Year Plan	Land Water Development Div 80550	Fort Apache Reservation 70470
Bulgaria 26605*	Legislation Research Br 80550	Fortschritte der Botanik 46715
Hungary 26621* 76201*	Plant Production and Protection Div	Fortschritte der Zoologie 94635
India 27389 34984 55990	Food Crops and Horticulture Br	Forward Contracts (Regulation) Act (India) 24421 43998
Israel 98689	58393	Foundation Seed Program 100863
Jamaica 35612	programs 8163 8511 21051	4-H Clubs 46237 56906 56915
Kenya 6609	24779 27596 50476 61849	76677 108733
Morocco 26584*	publications 35585	apiculture 23423
Philippines 50523	Regional Off for Asia and the Far East 56797	awards 76672 76673 87564
Poland 70951 24204* 24207*	report 67649	beef cattle 41713 92306
Trinidad and Tobago 56331	Secretariat 71365 74297 76760	budgeting 66389 66390
Vietnam 16681*	76761---76763 87635 106610	camp 108777 108778
Five-Year Science and Technology Development Program 109266	Statistics Div 60769	canning 24534---24536
Flood Control Act of 1936 60701	United States Delegation 66590	civilian defense 8413 57213
Flora Europaea 36702 36707	Working Party on Pasture and Fodder Development in Tropical America 59331	Colombia 27135
36755 36761 67785	Food and Drug Law (North Dakota) 96166	conferences and congresses 87562
Flora Europaea Symposium 36702	Food Chemicals Codex 44049 96168	87563
Flora Neotropica 17585	Food Drug and Cosmetic Act 6132	contests 87564 98212
Flora of Tropical East Africa 23764a	6138 6561 24471 34092	cooking 36313 36342 87740
Flora of Warwickshire 77251	34110 44402 54228 64892	87741 87742
Florence Accademia del Georgofili 46239	106665	Maryland 67402
Florence Istituto Agronomico per l'Oltremare 76584 89972	Amendments of 1963 34105	Minnesota 46438 57096
Florida Agricultural Experiment Station 6835 34740 50044 67662	Food Additives Amendment of 1958 54212 74460	North Carolina 67424
71719	Food for Freedom Program 33963	Washington 57118 57120
Library 46499	Food for Peace Program 8235	Wyoming 87444 87788---87791
Florida Anti-Mosquito Association 94089	8249 8266 8273 8308	dairy industry 65029---65031
Florida Citrus Commission 34728	8311 17183 27206 27207	Denmark 56918
Florida Citrus Exchange 15954 65478	27258 27280 33957 33961	electricity 15344
Florida Citrus Mutual 85757	33970 36215 36246 36260	Idaho 106517---106519
Florida Citrus Production Credit Association 45494 66406	36262 54626 56047 57009	Louisiana 43843 43844
Florida Citrus Research Foundation 1742	57027 67331 67346 76765	Mississippi 43847 106512
Florida Conference for Veterinarians 71719	87638 89979 90819 90850	Tennessee 33935 33936
Florida Crop and Livestock Reporting Serv 85883 96919	90909 98289 108815 108868	Virginia 43859
Florida Dept of Agriculture 85883	Food Law Institute 24474	Washington 43845 106511
96919	Food Stamp Plan 6053 24320	grain 96979 96991
Div of Fruit & Vegetable Inspection 15953	24442 35738 74295 84762	handicrafts 67175
Inspection Div 102311 102312	Louisiana 84757	health 56825
Florida Forest Serv 30148	West Virginia 24415	home management 36544 77068
Florida State Board of Health 63504	Food Technology Association of Victoria 34170	77069 77071 98661
Florida State Horticultural Society 59461	Ford Almanac 27378	Minnesota 57356
Florida State Veterinary Medical Association 71719	Ford Foundation 17032 66625 86846	North Carolina 27592---27594
Florida State Soil Conservation Board 50371	Foreign Assistance Act of 1961 7810	Oklahoma 88060
Florida University 85883 107561	Foreign Credit Insurance Association 76227	Oregon 88063
Agricultural Extension Serv 34729	Foreningen af Jydske Landboforeninger	horses 52093 72505 92873
55035 107275	Husdyrbrugsudvalget 41431	human nutrition 87741 87742
School of Forestry	Planteavlssudvalget 48657	Louisiana 98345
Cooperative Forest Genetics Research Program 40635	Regnskabsudvalget 56572	North Carolina 36328
Fonds d'Action Sociale pour l'Amenagement des Structures Agricoles 16962	Foreningen for Dendrologi och Parkvard 19992 19993	Washington 57078 57079
66739	Forest Biology Conference 50452	57119 67438
Fonds d'Orientation et de Regularisation des Marches Agricoles 6160	Forest Economic Research Society (Japan) 30097	Wyoming 87446 87447 87789
Food and Agriculture Organization of the United Nations 3254 8510 29787	Forest Genetics Workshop 102641	Illinois 56910
36546 51247 60894 64712	Forest Pest Control Act 23414	landscape gardening 20002
64822 65693 65694 66483	Forest Practice Act (New York) 11930	leadership 36130 67175 76672
66589 67649 74293 76757	Forest Products Research Institute (Manila) SEE Manila University of the Philippines Forest Products Research Institute	Florida 108760
76758 76759 77072 78269	Forest Products Research Laboratory (Gr Brit) SEE Princes Risborough Forest Products Research Laboratory	Idaho 108763
87634 88065 89264 91172		Louisiana 27125



	Item		Item		Item
4-H Clubs--Cont		France Institut National de la Recherche		Gavleborgs Lans Hushallningssallskap	
occupations--cont		Agronomique	27002a 34249	8374 108997	
Wyoming	86783 86749---86751	France Institut National de la Statistique		Geigy Agricultural Chemicals	32598
86784---86786		et des Etudes Economiques	56977	63614 93962 104995	
ornamental plants	39203	106731		Geisenheimer Betriebsleitertagung fur	
peanuts	38892	France Institut National des Appellations		Kellerwirtschaft	44170
poultry	82670 104470	d'Origine	6304	Gembloux Institut Agronomique de l'Etat	
programs	17027 46236 46246	France Ministere de l'Agriculture		33899 58093	
56922 67211 108733 108765		24568 66593 94500		Gembloux State Experimental Research	
Canada	108766	France Off de la Recherche Scientifique		Station of Phytopharmacy	77613
Maryland	108769	et Technique Outre-Mer	53135	Gembloux Station de Recherches de l'Etat	
Mississippi	27136	77185		pour l'Amelioration des Plantes	
North Carolina	27131	France Serv d'Exploitation Industrielle		Fruitieres et Maraicheres	28770
Ohio	108767	des Tabacs et des Allumettes	26338	58093	
Oregon	87543	France Serv Veterinaire	41596 92433	General Agreement on Tariffs and Trade	
Pennsylvania	87545	France Serv Veterinaire Sanitaire de		8244 27195 27225 27277	
Rhode Island	108768	Paris et du Dept de la Seine	41329	36192 57039 67282 108821	
Tennessee	108772	51499		108894	
Virginia	56921 77073	France Station Centrale de Zoologie		Genetical Society of Gt Brit	105713
Washington	36144 56923	Agricole	94365	Genetics Society of America	8375
87550 108774		France Statistique Generale des Trans-		8376 98426 98427	
West Virginia	87539	ports des Marchandises en Trafic Inter-		Genetics Society of Canada	89266
psychology	36173	national	36205	Genetics Society of Japan	8377
public relations	27097 36136	Frankfurt-am-Main Universitat		Genootschap voor Landbouwwetenschap	98213
36137		Institut fur Lebensmittelchemie		98213	
Puerto Rico	87549	96103		Genova Ripartizione Censimenti e Sta-	
range management	19605	Fredericton (New Brunswick) Maritime		tistica	51506
science	67225	Forest Ranger School	50499	Geografiskoe Obschestvo Soyuz	
shade trees	59706	Freedom-from-Hunger Campaign	6002	SSR	
sheep	32309 93704	15362 15364 15369 15372		Moskovskii Filial	12170
soil science	20445	24326 24342 29787 33971		Geological Society of America	67477
swine	63356	54085 56047 74293 74294		Georgia Agricultural Experiment Station	
tobacco	59441 59442	84750		2288 16010 20562 29612	
tractors	64553	Freiburg Tierhygienisches Institut		29992 34351 38660 46667	
Virginia	56920	Aussenstelle Heidelberg	12669	50044 50366 90982 107459	
Washington	27139 53841	Fremont National Forest	94490	Georgia Dept of Agriculture	54161
Wisconsin	8147	Freshwater Biological Association		Georgia Dept of Industry and Trade	
Four-Year Plan (Spain)	97537	46717		15916	
Framleidslurad Landbunadarins	67474	Fresno (Calif) Museum	17827	Georgia Forest Research Council	30099
France Centre d'Etudes et d'Experi-		Friesland Gezondheidsdienst voor Vee		Georgia Forestry Commission	21085
mentation du Machinisme Agricole		61759 103695		61227	
Tropical	95713 95714	Frio County (Texas) Beekeepers' Asso-		Georgia Society of Registered Profes-	
France Centre National de Coordination		ciation	105444	sional Sanitarians	
des Etudes et Recherches sur la Nutri-		Frommes Forstkalender	80796	Food Sanitation Award	17351
tion et l'Alimentation	73475	Frozen Food Year Book	84994	Milk Sanitarian of the Year Award	
France Centre National d'Etudes et d'Ex-		Fruit and Vegetables Canning and Quick		17393	
perimentation de Machinisme Agricole		Freezing Research Association	96882	Georgia University	
43687 84240 84276 84434		Fruit Growers Marketing Association		College of Agriculture	
84572 84595 101051		55036		Extension Serv	29215
France Institut National de Recherches		Fruit-Union Suisse SEE Schweizerischer		Nematology Laboratory	88938
Agronomiques		Obstverband		Georgia Veterinary Medical Association	
Station de Genetique (Jouy-en-Josas)		Fruit World Annual	69690	Civil Defense Committee	71723
82762		Frunze Botanicheskii Sad SEE Akademi-		Public Health Committee	71724
France Centre National de Recherches		ya Nauk Kirgizskoi SSR Institut Botaniki		Germany (Democratic Republic)	
Zootecniques (Jouy-en-Josas)	41393	Botanicheskii Sad		Statistisches Landesamt	56719
France Centre National du Commerce		Fu-chien Nung Hsueh Yuan Liang Shih		Germany (Democratic Republic) Staat-	
Exterieur	8210 46370	Tso Wu Chiao Yen Tsu	100786	liche Zentralverwaltung fur Statistik	
France Comite Central de la Laine		Fu-chien Sheng Lung-ch'i Chuan Ch'u		Bezirksstelle Gross-Berlin	15488
67289 75091 85587		Nung Yeh Chi Shu T'ui Kuang Chan		24569	
France Comite Interministeriel de		91074		Germany (Federal Republic) Biologische	
l'Agriculture et de l'Alimentation	66592	Fuchsia Annual	10705	Bundesanstalt fur Land- und Forstwirt-	
France Commissariat General du Plan		Fukushima Ken		schaft	27005a 37061 77532
d'Equipement et de la Productivite		Shukei Jo	32034 32035	99170 99171	
35614		Fur Age Weekly	107564	Germany (Federal Republic) Bundes-	
France Commission d'Etude de la Bac-		Future Farmers of America	46245	anstalt fur Fleischforschung	65799
teriologie du Lait	54495	46278 46281 46284 51628		Germany (Federal Republic) Bundes-	
France Cour des Comptes	44309	96979 108733		forschungsanstalt fur Forst- und Holz-	
France Dept de l'Herault		Future Homemakers of America	46256	wirtschaft SEE Reinbek Bundesfor-	
Direction des Serv Agricoles	19513			schungsanstalt fur Forst- und Holzwirt-	
France Direction de la Documentation				schaft	
7761 16675 16681 17038				Germany (Federal Republic) Bundesfor-	
20843 33415 33542 35416				schungsanstalt fur Getreideverarbeitung	
35417 35616 56083 56260				85941---85943 96928	
56680 66338 75943 75944				Abteilung Starke	44883
76483 86678 86679				Germany (Federal Republic) Bundesfor-	
France Direction Generale de la Produc-				schungsanstalt fur Kleintierzucht	3033
tion et des Marches	6091			Germany (Federal Republic) Bundesfor-	
France Direction Generale des Douanes				schungsanstalt fur Milchwirtschaft	
et Droits Indirects	27205 36204			34433	
67290 87636 87637				Germany (Federal Republic) Bundesmini-	
France Direction Generale des Eaux et				sterium fur Ernahrung Landwirtschaft	
Forets	102412			und Forsten	35883 44386 66992
France Embassy U S				Germany (Federal Republic) Bundesmini-	
Serv de Presse et d'Information				sterium fur Wirtschaft	6241 64916
75945 76131				Germany (Federal Republic) Institut fur	
France Fonds Forestier National	102412			Biologische Schadlingsbekampfung SEE	
France Institut Francais du Caoutchouc				Darmstadt Institut fur Biologische	
107867				Schadlingsbekampfung	



	Item	
Germany (Federal Republic) Land- und Hauswirtschaftliche Auswertungs- und Informationsdienst	46231	56800
	76135	
Germany (Federal Republic) Statistisches Bundesamt	6242	11746 11747
	25534	25999 26997 27209
	27635	35345 44173 45382
	54350	65643 65697 65698
	67298	67299 74543 87640
	96241	96920
Gesellschaft für Erdkunde zu Berlin		35621
Gesellschaft für Ernährungsphysiologie der Haustiere		81759
Getreide-Jahrbuch		25623
Ghana Central Bur of Statistics		34202
	35420	97658
Ghana Forestry Div		21086
Ghana Ministry of Agriculture		
Cocoa Diseases and Pest Control Unit		105285
Ghent Comite voor Steriliteitsbestrijding Veeartsenijschool		92175
Giannini Foundation of Agricultural Economics		16535
Giessen Justus Liebig-Universität		98692
Gifford Pinchot Medal		57256
Gifford Pinchot National Forest		51008
	71062	
Gila Reclamation Project		60692
Giornate Avicole Varesine		62950
	93429	
Giornate della Tecnica Frutticola		69688
Giornate della Vite e del Vino		69800
Giornate Fitopatologiche		17969 17970
Giornate Italiane della Separazione Immediata e della Cromatografia		43914
Giornate Romane sulla Ruggine Nera del Frumento nel Bacino del Mediterraneo		47259 48259
Girl Scouts of the USA	7087	46238
Glad Book		49222
Gladiolus Annual		10706
Glasshouse Crops Research Institute		19737
Gloucester County (N J) Mosquito Extermination Association		94055
Goat Breeders' Society of Australia		72739
Goettingen Universität		
Pflanzenphysiologisches Institut		57691
Goldsbrough Mort and Co		65280
Gomel' Belaruski Navukova-Dasledchy Instytut Lyasnoi Gaspadarki		30100
Gordon Commission SEE Royal Commission on Canada's Economic Prospects		88528
Goteborgs Botaniska Tradgarden		88528
Goteborgs och Bohus Lans Hushallnings-sallskap		46504
Gotlands Lans Hushallningssallskap		3942
Gottingen Akademie der Wissenschaften		57385
Gottingen Niederlandische Forstliche Versuchsanstalt		91489
Gottingen Universität		
Forstzoologisches Institut		83747
Institut für Forstbotanik und Forstgenetik		91450
Institut für Waldarbeit und Forstmachinenkunde		60832
Grain & Feed Dealers National Association	6988	25630
Grand Cross for Civil Merit (Spain)		57333
Grapefruit Admin Committee		15956
Grasse P P Morphologie des Arthropodes	14360	14361
Grassland Renovation Scheme (Northern Ireland)		79324
Grassland Research Institute Hurley (England) SEE Hurley (England) Grassland Research Institute		
Graz Landeskammer für Land- und Forstwirtschaft in Steiermark		36074
Graz Statistisches Amt		64917

Graziers' Association of New South Wales		71854
Gt Brit Agricultural Research Council	17479 74202 84720	88084
	93907 95966	
Institute of Animal Physiology		21847
Pest Infestation Laboratory		105337
Radiobiological Laboratory		24454
	85390	
Technical Committee on the Nutrient Requirements of Farm Livestock		52184
Gt Brit Central Off of Information		45667
Reference Div	66614	77110
Gt Brit Central Statistical Off		34203
Gt Brit Colonial Off	35623	35624
Gt Brit Committee of Enquiry into Fat-stock Marketing		25903
Gt Brit Commonwealth Economic Committee	25631 65801	66571
	85590 96713 97207	
Intelligence Br	27211	54690
	56986 85669	
Gt Brit Cotton Board		34527
Gt Brit Customs and Excise Dept		8228
	76769	
Gt Brit Dept of Scientific and Industrial Research		21443
Ditton Laboratory		25473
Low Temperature Research Station		96884 107668
Tropical Products Institute		24317
	98694	
Gt Brit Exchequer and Audit Dept		86609
Gt Brit Federation of United Kingdom Milk Marketing Board		85498
Gt Brit Forest Products Research Laboratory	14265 14266	71575
	83536	
Timber Protection Advisory Panel		81379
Gt Brit Forestry Commission		30150
	60858 80901 80902	86609
Research Br		
Silviculture Sect		40683
Westonbirt Arboretum		36683
Gt Brit Home Off		6073
Gt Brit Hops Marketing Board		97501
Gt Brit Interdepartmental Working Party on Groundnut Toxicity Research		12604
Gt Brit Milk Marketing Board		3407
	51969	
Production Div	12808	103449
Gt Brit Ministry of Agriculture Fisheries and Food	355 1940	2031
	4162 6073 8927	9182
	9278---9280	9777 10452
	10640 11034	11509 11510
	12491 12880	13429 14183
	14302 16178	18130 26172
	34204 38829	38970 39036
	39352 39353	41512 41990
	41991 42082	42673 42674
	42722 43564	43594 43622
	43754 44283	49109 49195
	52314 52315	52848 56881
	63683 64338	64602 66776
	68024 70538	71728 72332
	72459 86609	93079 99355
	99688 101502	101503 103710
	104267 105181	
Fatstock Marketing Div		31303
Food Standards Committee		6433
Horticulture Div		15957
Gt Brit Ministry of Health		
Health and Welfare Serv		6111
Gt Brit National Agricultural Advisory Serv	36108 46115 46129	49017
	49039 59459 90250	98121
	98150 108390	108402
Boxworth Experimental Husbandry Farm	31051	71855 81906
Bridget's Experimental Husbandry Farm		71856 103393
Cleppa Park Experimental Horticulture Station		69668

Gt Brit National Agricultural Advisory Serv--Cont		
Drayton Experimental Husbandry Farm	66777	71857
Efford Experimental Horticulture Station		69669
Farm Management Analysis Unit		35841
Gleadthorpe Experimental Husbandry Farm		103394
Great House Experimental Husbandry Farm		71858
High Mowthorpe Experimental Husbandry Farm		103395
Liscombe Experimental Husbandry Farm		71859
Luddington Experimental Horticulture Station		101101
Provincial Agricultural Economics Serv		45413
Rosewarne Experimental Horticulture Station	49017	71860 90250
Stockbridge House Experimental Horticulture Station		10575 69670
Terrington Experimental Husbandry Farm	59116	103396
Trawscoed Experimental Husbandry Farm		103397
Gt Brit National Food Survey Committee		74372
Gt Brit Nature Conservancy		98428
Gt Brit Navy		64758
Gt Brit Pest Infestation Laboratory		14235
Gt Brit Pig Industry Development Authority	3220 76402	93908
Gt Brit Potato Marketing Board		107276
Gt Brit Provincial Agricultural Economics Serv		86993
Gt Brit Soil Survey Research Board		90977
Gt Brit Sugar Board		16422
Gt Brit Torry Research Station (Aberdeen)	35391	35392
Gt Brit Tropical Pesticides Research Unit		93966
Gt Brit Weed Research Organisation		29216
Great Plains Agricultural Council		16689
Great Plains Conservation Program		80721
Greece Eidikon Beiramatikon Ergasterion		65997
Greece Ethnike Statistike Hyperesia		34205
Greece Tobacco Board		45358
Greece Tobacco Research Institute		45353
	55053 66695	76135 86902
Green Plan (Germany)	16672	25563
	108350	
Green Plan (Italy)	7754	16765
	26660 45715	74641
Green Report (European Economic Community)		16701
Green Report (Germany)	66552	66685
	76436 86803	86902 108254
	108269 108329	
Green Week (Germany)	56771	67147
Greenville Garden Club		28956
Gremio dos Exportadores de Frutos e Produtos		
Horticolas do Algarve (Portugal)	8229	57303
Grenoble Centre d'Etudes Nucleaires		78472
Gribovo Ovoshchnaya Seleksionnaya Opytnaya Stantsiya		79741
Grignon Ferme Experimentale		16815
Group of Japanese Pedologists		29437
Groupements de Vulgarisation de Programmes Agricoles		108681
Gross Lusewitz Institut für Pflanzensuchtung		53658
Grosserer-Societates Komite		36214
	98276	
Grosshandelsgesellschaften Lebensmittel	54170	54196







Item	Item	Item
Illinois University	Indian Society of Agricultural Statistics	Institution of Agricultural Engineers
College of Agriculture	85055	5641 53604 53613
Dept of Agricultural Economics	Indian State Dairy Association	Institution of the Rubber Industry
16537 44311	74702	45266
College of Veterinary Medicine	Indian Statistical Institute	Instituto Biologico (Sao Paulo) SEE
31000	108183	Sao Paulo Instituto Biologico
Extension Serv in Agriculture and	Indian Tea Association	Instituto de Investigaciones Tecnologicas
Home Economics 13198 44255	Indian Veterinary Conference	(Bogota) 88087 88088
45235 77545 87433---87435	Indiana Academy of Science	Instituto de Nutricion de Centro America
Illinois Veterinary Serv Award 8430	Indiana Agricultural Experiment Station	y Panama 8320 87733
Images Economiques du Monde 34208	24265 25076 25753 26200	Instituto do Acucar e do Alcool
Imkerverein Surental (Lucerne) 83679	65875 85934 86354	75839 26275
Imperial Chemical Industries	Indiana Dept of Conservation	Instituto Guatemalteco de Seguridad
Billingham Div	Div of Water Resources	Social
Jealott's Hill Research Station	Indiana Farm Bur Cooperative Association	Dept de Seguridad e Higiene 105012
46670	tion 76694	Instituto Interamericano de Ciencias
Imperial Cup Award 46626	Wool Dept 25179	Agricolas 67144
Imperial Ethiopian College of Agricultural and Mechanical Arts SEE Harrar	Indiana Grain & Feed Dealers Association	Consejo Tecnico Consultivo 66633
Imperial College of Agricultural and Mechanical Arts	tion 65707	Instituto Mexicano del Cafe 64942
Implement & Tractor 24018 43452	Indiana Horticultural Society 69673	96269 96270
64331	Indiana Nut Growers Association 19927	Instituto Nacional de Hipodromos
Incorporated Oil Seed Association 75732	Indiana Purdue University	(Venezuela) 52089
Index-Catalogue of Medical and Veterinary Zoology 81875	Dept of Agricultural Extension 10768	Instituto Rio Grandense do Arroz 44901
India Botanical Survey 88136	11729 17215 44255 45235	Dept de Obras e Assistencia 45905
India Central Board of Irrigation and Power 20855 49710	77545 79585	Instytut Uprawy Nawozenia i Gleboznawstwa
India Committee on Natural Resources 70730	Indiana State Dairy Association 74702	Zaklad Doswiadczalny Baborowko 38664
India Dept of Economic Affairs 35632	Indiana State Employment Serv 45570	Zaklad Doswiadczalny Laskowice
54357	Indiana State Poultry Association 42085	Olawskie 19449
India Directorate of Economics & Statistics	Indo-U S Technical Co-operation Programme 35632	Inter-African Bur of Animal Health
6243 26340 34209	Indonesia Biro Pusat Statistik 24571	61783 71760 81782
34564 44121 44464 44465	Indonesia Dept of Labour 66495	Inter-African Coffee Organization 17191
74545 75696 75802 85884	Indonesia Research Institute for Agricultural Plant Physiology	57047
106799 107477 107724 107725	Plant Nutrition Research Unit 27836	Inter-African Committee on the Mechanization of Agriculture 64343
India Directorate of National Sample Survey 76410	Industrial and Economic Development Conference 56993	Inter-African Conference on Food and Nutrition 24319
India Economic and Statistical Adviser 44122 65957	Industrial Marketing 24420	Inter-African Phyto-Sanitary Commission 8930 88571
India Economic Dept	Industrie Cotonniere Francaise 25187	Inter-American Committee for Agricultural Development 76150
Div of Rural Economics 16604	Industrywide Lamb and Wool Planning Committee 65845 75103	Inter-American Economic and Social Council 98287
India Forward Markets Commission 43995	Insecticide Fungicide and Rodenticide Act 8963 27419 108998	Inter-American Institute of Agricultural Sciences 18433 56821
India Jute Mills Association 15829	reviews 77537	Dept of Nuclear Energy 11258
India Meteorological Dept 77081	Institut Belge pour l'Amelioration de la Betterave 17078	Orton Memorial Library 108276
India National Dairy Research Institute 96593	Institut d'Organisation Scientifique du Travail en Agriculture 35569 45551	108277
India National Institute of Community Development 46205	Institut de Recherches Agronomiques Tropicales 77132	Inter-American Meeting on Livestock Production and Health 31052 31053
India Planning Commission	Institut des Recherches sur le Caoutchouc au Cambodge 29402 79890	Interdisciplinary Conference on the Use of Telemetry in Animal Behavior and Physiology in Relation to Ecological Problems 71737
Labour and Employment Div 35539	Institut des Recherches sur le Caoutchouc au Vietnam 29403	International African Seminar (Leopoldville) 87262
India Registrar General 76551	Institut Francais de Recherches Fruitières Outre-Mer 25469*	International Agrarmeteorological Congress 17468
India Tea Board 35741 54421	Institut Francais du Caoutchouc SEE	International Agriculture Week 103407
74599	France Institut Francais du Caoutchouc	International Arabian Horse Association 13344
Statistics Dept 16625 74600	Institut fur Biochemie der Pflanzen Halle Institut fur Biochemie der Pflanzen 107866	International Association for Cereal Chemistry 86016
India Tobacco Export Promotion Council 108874	Institut fur Zuckerindustrie SEE Berlin	International Association for Phytosociology 47690
Indian Agricultural Research Institute 27323 36578 57387	Institut fur Zuckerindustrie	International Association of Botanic Gardens 17519
Indian Central Arecanut Committee 26369 66300	Institut Pasteur d'Algerie 4724	International Association of Fairs and Expositions 76611
Indian Central Cotton Committee 65288 69480---69482 75102	Institut Pasteur de Tunis 103239	International Association of Game Fish and Conservation Commissioners 98434
75697 100881	Institut Technique du Porc 23005	International Association of Ice Cream Manufacturers 6526 107068
Technological Laboratory 44467 44468	Institut voor Veeteeltkundig Onderzoek "Schoonoord" 42334	International Association of Microbiological Societies 76910
Indian Central Sugar Marketing Board 107904 107917	Institute of American Poultry Industries 55715	International Association of Milk and Food Sanitarians 54334
Indian Central Tobacco Committee 86512 107953	Institute of American Poultry Industries Award 27501 46556	International Association of Milk Control Agencies 54467
Indian Cho Oyu Expedition 17552	Institute of American Poultry Producers Fact Finding Conference 55715	International Association of Milk Food and Environmental Sanitarians 34381
Indian Coffee Board 24680 44201	Institute of Brewing 64961 85114	Citation Award 36470
64981	Analysis Committee 66301	International Association of Phytosociology 17830
Indian Coffee Market Expansion Board 24681	Institute of Food Technologists	International Association of Seed Crushers 75698
Indian Council of Agricultural Research 19460 27631 67664 77113	Award for Research 98547	
Indian Jute Mills Association 15829	Babcock-Hart Award 98547	
Research Institute 6635 85595	Industrial Achievement Award 98547	
Indian Lac Research Institute 83158	International Award 98547	
83159	Nicholas Appert Award 98547	
Indian Paper Makers Association 81496	Institute of Veterinary Inspectors of New South Wales 71736	
Indian Rubber Board 39604 45265	Institute on Cooperative Education 67203	
Indian Society of Agricultural Economics 26435 97846 108021 108022		



## Item

International Association of Wood Anatomists  
Committee on Nomenclature 103049  
International Atomic Energy Agency  
Div of Scientific and Technical Information 33001  
International Barley Genetics Symposium (Wageningen) 79141  
International Basic Economy Corporation  
Arbor Acres Farm 108481  
International Beekeeping Congress 32926 32938 83629  
International Business Machines Corporation 76370  
International Center for Maize and Wheat Improvement 58217  
International Centre for Advanced Mediterranean Agronomic Studies 36067  
International Cocoa Conference 85104  
International Coconut Institute 107239  
International Code for the Nomenclature of Cultivated Plants 14 8640 17592  
International Code of Botanical Nomenclature 36754  
International Code of Zoological Nomenclature 14344 14351 14373  
International Coffee Agreement 8199 17149 17155 17165 17187 17201 17202 24607 27228 36228 46368 46374 56976 56987 56995 56996 57008 57010 57011 57013 67296 76750 76776 87660 87674 87692 87703 108903  
International Coffee Organization Council 56994  
International Colloquium on Chemistry of Green and Roasted Coffees and their Products 24619 44158  
International Colloquium on the Systematics of European Beechwoods 46894  
International Committee for Horticultural Engineering 33937  
International Committee of Bio-Acoustics 63811  
International Conference Biochemistry and Physiology of Alkaloids 78974  
International Conference on Biology and Pathology of Animal Reproduction 51599 61778  
International Conference on Evaluation of Protein Quality 96102  
International Conference on Forest Tree Growth 28001  
International Conference on Palynology 17522  
International Conference on Potato Virus Diagnosis 58080  
International Conference on Scientific Aspects of Mushroom Growing 69976  
International Conference on Timber Engineering 2958  
International Conference on Trichinellosis 21854  
International Congress for Microbiology 76910  
International Congress of Animal Production 3324 61778  
International Congress of Animal Reproduction and Artificial Insemination 41192  
International Congress of Biochemistry 8385  
International Congress of Entomology 13907 42348  
International Congress of Genetics 67480  
International Congress of Grapes and Wine 24654 25329  
International Congress of Nutrition 76858  
International Congress of Refrigeration 6191 106699  
International Congress of Zoology 36398 48509

International Congresses on Tropical Medicine and Malaria 94062 105106  
International Cooperative Day (Taiwan) 46272  
International Cotton Advisory Committee 15830 44470 75104  
International Crop Improvement Association 55784 59120 86426  
International Dairy Congress 24762 54484 74730  
U S Delegation 54484  
International Dairy Federation 85197 85212 96352  
International Farm Youth Exchange Project 36098 46180 46182 46183---46185 56849---56856 76623 77073 87471---87479 108719--108730 109224  
International Federation of Agricultural Producers 8145 26648 26691 27238 27250 27596  
International Federation of Cotton and Allied Textile Industries 54823  
International Feigl Anniversary Symposium on Analytical Chemistry 54712  
International Food Industries Congress 74300  
International Green Book of Cottonseed and other Vegetable Oil Products 16298  
International Hide and Allied Trades Improvement Society 34980  
International Horticultural Congress 59466 69078 90254  
International Horticulture Exposition (Hamburg) 69672  
International Institute for Conservation of Historic and Artistic Works 94025  
International Institute for Land Reclamation and Improvement 11730 80576  
International Institute of Refrigeration 64876  
International Labour Off 41009 57179 76062  
International Labour Organisation 7793  
International Lead Zinc Research Organization 51412  
International Nickel Co 68149  
International Organization for Control of the African Migratory Locust 83301  
International Organization of Biosystematists 17598  
International Refrigeration Congress SEE International Congress of Refrigeration  
International Regional Organization of Plant and Animal Health 21883  
International Review of Cytology 9444 76911  
International Rice Research Institute 34883 38691 48703 55288 59175 79123 79200  
International Rice Yearbook 79142  
International Rubber Study Group 86397  
International Scientific Conference on the Objectives of Soil Tillage 2473  
International Seminar on Fermented Milk 74950  
International Seminar on Soil and Water Utilization (Brookings) 80693  
International Sessions on Irrigation 40217  
International Shade Tree Conference 1851 79586  
Western Chapter 79586  
International Society for Cell Biology 9444  
International Society for Horticultural Science 39358  
Sect of Vegetables 9445 99909  
International Society of Plant Morphologists 48971 48998  
International Society of Sugar Cane Technologists 48971 48998  
Standing Committee on Sugar Cane Diseases 47111

## Item

International Soil Conference 49578  
International Standardization Organization 44153  
International Statistical Institute 98705  
International Sugar Agreement 27263  
International Sugar Council 16429 75840  
International Sulphite Pulping Conference 81490 102961  
International Superphosphate Manufacturers' Association 91386  
International Symposium SEE Symposium (International) 67365  
International Tea Agreement 6280 64962  
International Tea Committee  
International Union of Agricultural Journalists 87429  
International Union of Biological Sciences 98788  
International Union of Forest Research Organizations 40471 70910 70979 71097 71129 80827  
Advisory Group of Forest Statisticians 70978  
Forest History Sect 70916  
Terminology Working Group 70898  
International Union of Leather Chemists Societies 16201  
International Veterinary Federation of Zootechnics 71706  
International Wheat Agreement 8202 8240  
International Wheat Council 8240 44902 46378 75406 107478  
International Wood Preservation Conference 102903  
International Wool Secretariat 25282 54799 54909 65298 96758  
Scientific and Technical Dept 65289  
International Wool Study Group 96713  
International Wool Textile Organisation 96713  
Internationale Forschungsgemeinschaft Futtermitteltechnik 85503  
Internationaler Kaltekongress SEE International Congress of Refrigeration  
Inveresk (Scotland) Institute of Seaweed Research 97507  
Iowa Academy of Science 109003  
Iowa Agricultural Experiment Station 8526 24265 24567 25076 26200 35898 65875 86354  
Iowa Agricultural Extension Serv 44255 45235 77545  
Iowa Association of Milk Sanitarians Merle P Baker Award 67524  
Iowa Crop and Livestock Reporting Serv 55716 108571  
Iowa Crop Improvement Association 55785  
Iowa Farm and Home Development Study 56374  
Iowa Grain & Feed Association 96963  
Iowa State University of Science and Technology 35330 66150 75792 86262  
Center for Agricultural and Economic Development 5979 16690 46156 65803 67145 87361 98246 108023  
Committee for Agricultural Development 66150  
Cooperative Extension Serv 8526 17053 56580---56585 56770  
Statistical Laboratory 46684  
Iowa University  
College of Law  
Agricultural Law Center 66797  
Iowa Swine Producers Association 93911  
Iraq Central Bur of Statistics 34210 76775  
IRAT SEE Nogent-sur-Marne Institut de Recherches Agronomiques Tropicales et des Cultures Vivrieres  
Ireland Central Statistics Off 8242 64919 87657 87658



	Item		Item		Item
Ireland Dept of Agriculture	9061	Jamaica Ministry of Agriculture and Lands	76912	Jornadas Forrajeras del Noroeste Argentino	48847
9281 10316 10333	10641	Japan Agricultural Admin Bur	17115	Jornadas Medico-Veterinarias	35660
10670 10929 10930	11048	Japan Canning Association		35661	
11049 11525 11526	11664	Serv Dept	74397	Jornadas Silvo-Agronomicas	35660
12498 13032 13583	14026	Japan Dept of Agriculture and Forestry		35661	
15299 15783 15985	16695	SEE Japan Ministry of Agriculture and Forestry		Jornadas Vitivincolas	59628
23006 27156a 27308a	28650	Japan Dept of Education		Journal of Dairy Science	74701
29237 31925 52440	76695	Higher Education and Science Bur	8527	Journal of Farm Economics	26427
83107 87851 88743	91495	Japan Economic Planning Agency	56028	Journal of Industry and Trade	8243
91580 92458 100803	100969	Japan Forest Experiment Station		Journal of Small Animal Practice	71743
103107 104941		Hokkaido Br		Journees d'Etudes en Italie	53607
Ireland Electricity Supply Board	106520	Farm Woodland and Range Management Research Laboratory	91640	Journees d'Etudes sur l'Agronomie des Oleagineux Tropicaux	79368
Ireland Land Commission	7989	Japan Ministry of Agriculture and Forestry	8387 55717 70858 70859	Journees Fruitières et Maraichères d'Avignon	38942
	87263	74546 85057 97307---	97309	Journees Internationales d'Irrigation	40217
Ireland Pigs and Bacon Commission		Development Bur	15047	Journees Internationales des Fruits et des Legumes	101115
	65865	Forestry Agency	11940 30151	Journees Scientifiques sur l'Emploi des Radioisotopes en Sciences Nutritionnelles et des Rayonnements Ionisants en Technologie Alimentaire	44082
Iris Year Book	39153	Kumamoto Forestry Off	70980	Journees Serres Maraichères	38943
Irish Agricultural Organisation Society		70981---70989		Jouy-en-Josas Centre National de Recherches Zootechniques SEE France	
	98210	National Veterinary Assay Laboratory	41770	Centre National de Recherches Zootechniques (Jouy-en-Josas)	
Irish Coursing Club	13220	Research Sect	64877	Jouy-en-Josas Station de Genetique SEE France Institut National de Recherches Agronomiques Station de Genetique (Jouy-en-Josas)	54588
Irish Kennel Club	92682	Japan Ministry of Finance	17157 108844	June Dairy Month	
Irrigation Research Extension Committee	65646	Japan Trade Guide	27222	Junior Farmer Organisation of Tasmania	36142
Israel Central Bur of Statistics	54358	Japanese American Soybean Institute	55610	Junior Farmers' Association of Ontario	46254
Israel Central Off of Information	76151	Japanese Racing Association		Junior Farmers' Union of Alberta	46240
Israel Chemical Society	87852	Research Institute of Health of Race Horses and Race Horse Clinic	92901	Junior Forestry and Conservation Conference	11912
Israel Ministry of Agriculture		Japanese Society for Horticultural Sciences	69674	Jute Promotional Council of Britain India and Pakistan	107127
Poultry Div	42085	Japanese Society of Plant Physiologists	78539		
Veterinary Serv and Animal Husbandry	41315	Japanese Technical Association of the Pulp and Paper Industry	41010		
Israel Ministry of Commerce and Industry		Jealott's Hill Research Station SEE Imperial Chemical Industries			
Foreign Trade Div	46379	Billingham Div			
Israel Society of Food and Nutrition Sciences	98358	Jealott's Hill Research Station			
Israel Year Book	67146	Jersey Cattle Society of the United Kingdom	31096		
Istituto Cotoniero Italiano	25188	Jersey World Cattle Bur	82159		
Istituto di Tecnica e Propaganda Agraria	96723	Jerusalem Hebrew University	27091		
	99242	Jockey Club	52090 72464		
Istituto Regionale per lo Sviluppo Economico e Sociale della Venezia Euganea	7596	Jockey-Club de Belgique	82435		
		Jockey Club del Peru	22394		
Italy Amministrazione Autonoma di Monopoli di Stato	26341 75897	Jockey Club of Jamaica	13342		
Italy Centro Studi per la Patata	59818	Johannesburg Produce Market	55044		
Italy Direzione Generale delle Bonifiche della Colonizzazione	80577	John Innes Institute	89277		
Italy Direzione Generale delle Dogane e delle Imposte Indirette	67313	Joint Commission on Rural Reconstruction in China (U S and China)			
Italy Istituto Centrale di Statistica	6244	Plant Industry Div	64921		
21110 34211 36225		Rural Economics Div	76063		
Italy Ministero dell'Agricoltura e delle Foreste	77178	Joint Committee of the Dept of Agriculture and Land Grant Universities on Training for Government Serv	98686		
Italy Serv Contributi Agricoli Unificati	108134	Joint Cotton Inspection Bur	36231		
		Joint FAO/ECE Committee on Forest Working Techniques and Training of Forest Workers	30493 81305		
ITBON SEE Arnhem Instituut voor Toegepast Biologisch Onderzoek in de Natuur		Joint FAO/WHO Conference on Food Additives	74437		
Ivory Coast Direction de la Statistique et des Etudes Economiques et Demographiques	26413 56027	Joint Sub-Commission on Mediterranean Forestry Problems	40443		
		Jonkopings Lantbruksskemmiska Kontrollstationen	109005		
		Jonkopings Lans Hushallningssallskap	29720		
		Jord-Groda-Djur	70228		
		Jordagarnas Forbund	109006		
		Jordan Dept of Lands and Surveys			
			7861		
		Jordan Ministry of National Economy			
		Dept of Statistics	15490		
		Jordan Project	50353		
		Jordbrukets Bank	7660		
		Jordbrukets Potatisutredning	24282		
		Jordbrukets Skyddspropaganda	15009		
		Jordbrukstekniska Foreningen	5670		
		Jork Obstbauversuchsring des Alten Landes	90282		
		Jornadas de Coordinacion Sanitaria (Argentina)	41319		



Item	Item	Item
Keep Oregon Green Association 81218	Korea (Republic) Economic Planning Board 96242 106734	Landbrukets Sentralforbund 7600
Kellogg W K Foundation 16699	Korea (Republic) Ministry of Agriculture and Forestry 15491	Landesanstalt fur Beinenkunde Hohenheim SEE Hohenheim Landwirtschaftliche Hochschule Zoologisches Institut
Kemiska Vaxtskyddsmedel 98445	Kornik Zaklad Dendrologii i Arboretum 88115	Landesanstalt fur Bienenkunde
Kennel Club 41735	Kornickie 88115	Landesverband der Molke- und
Kennett Square (Pa) Longwood Gardens 41	Kragujevac (Yugoslavia) Poljoprivredna Stanica 98695	Kasereifachleute Weser-Ems 24780
Kent or Romney Marsh Sheep-Breeders' Association 42134	Krajowy Zjazd Delegatow Zwiastku Kolek Rolniczych 17097	Landokononisk Aarbog 67223
Kentucky Agricultural Experiment Station 27624 29645 34351 35332 50044 65875 76914 77115 90960	Krakow Instytut Zootechniki 83109	Landokononiske Driftsbur 3071
Kentucky Dept of Agriculture 46510	Krakow Wyzsza Szkola Rolnicza 67151	Landslaget for Telemarkfe 103462
Kentucky University 98230	Krasnodar Kraevaya Veterinarno-Sanitarnaya Stantsiya 12752	Landsorganisationen i Sverige 16630
College of Agriculture and Home Economics 35954	Krediforeningene af Ejere af Mindre Ejendomme paa Landet i Ostifterne 26474	Landsudvalget for Fjerkræavl 93466
Extension Serv 39988 66639 69350	Krefeld Milchwirtschaftliche Lehr- und Versuchsanstalt 25034	Landsudvalget for Svineavlens Ledelse 93735
Kenya Dept of Agriculture 67481	Kronobergs Lans Hushallningssallskap 67482	Landwirtschaftliche Rentenbank 108100
Kenya Dept of Co-operative Development 98230	Kronobergs Lans Kontrollcentralforening 82326	Landwirtschaftliche Woche 45680
Kenya Farmers' Association (Cooperative) 46297	Krymskaya Opytnaya Stantsiya Sadovodstva 75168	Landwirtschaftlicher Genossenschaftskalender der Zentralschweiz 56938
Kenya Forest Dept 30155	Kuang-Tung Sheng Hsin-kai Hsien Nung Yeh Chu 101984	Landwirtschafts Gessellschaft in Wien 87544
Kenya Grassland Research Team 28659	Kuban Nauchno-Issledovatel'skii Institut Traktoriv i Mashin 5689	Landwirtschaftskammer fur Oberosterreich 76619
Kenya Lands Dept 7867	Kulmbach Bundesanstalt fur Fleischforschung 75514 75515	Landwirtschaftskammer Rheinland 19739 38946
Kenya Maize Marketing Board 16117 75415	Kuratorium fur Kulturbauwesen 80594	Landwirtschaftskammer Rheinland-Nassau 108747
Kenya Meat Commission 86097	Kuratorium fur Waldarbeit und Forstechnik 80808	Landwirtschaftskammer Schleswig-Holstein 56595 56900 67153
Kenya Ministry of Finance and Economic Planning 54359 66881 66919---66921	Kurth Malting Co 44189	Lantarbetsgivarnas Forbund 76916
Economics and Statistics Div 34213	Kyllingproducentenes Landslag 82681	Lassen Volcanic National Park 57622
Farm Economics Survey Unit 108520	Kymmene Flottningsforening 2904	
Kenya Treasury 86573	Kyoto University 77238	Latin American Free Trade Association SEE Asociacion Latinoamericana de Libre Comercio
Economics and Statistics Div 86573	Research Institute of Farm Accounting 26919---26922	Latin American Seminar on the Marketing Storage and Processing of Agricultural Products 96136
Kerala Veterinary Association 81781		Latreille P A Considerations Generales sur l'Ordre Naturel des Animaux Composant les Classes des Crustaces des Arachnides et des Insectes 94673
Kern County (Calif) Dept of Agriculture 64922		Latvijas PSR Zinatnu Akademija Botaniskais Darzs 10792 57396
Kerry County (Ireland) Committee of Agriculture 17259 109008		Institut Biologii 9644
Keszthely Agrartudományi Fiskola 46132 67665		Institut Lesokhozyaistvennykh Problemy i Khimii Drevesiny 81565
Kew Royal Botanic Gardens 39299	Lake Carriers' Association 75419	Laurentian Forest Protective Association 40709 102781
Khadi and Village Industries Commission 17054	Lake Ontario Fruit Growers Cooperative 65477 85760	Lausanne Stations Federales d'Essais Agricoles SEE Switzerland Stations Federales d'Essais Agricoles
Khar'kov Ukrainskii Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva i Agrosomeliorskii 11807	Lake States Dairy Adjustments Study 86947	Laval University SEE Quebec (City) Universite Laval
Kiel Bundesforschungsanstalt fur Milchwirtschaft SEE Germany (Federal Republic) Bundesforschungsanstalt fur Milchwirtschaft (Kiel) 51909	Lake to Lake Dairy Cooperative 96646	Leather Industries Research Institute 97160
Kiev Vsesoyuznyi Nauchno-Issledovatel'skii Institut Sakharoi Svekli 79395	Lalahan Zootechni Arastirma Enstitusu 45326 75844	Lee C Warth Beekeeping Fund 63771
Kilimanjaro Native Co-operative Union 8167	Lamborn & Co 45326 75844	Leeds Swarthmore Educational Centre 36721
Kingston (Jamaica) Malaria Eradication Training Center 94197	Lamborn's Chart of World Sugar Prices 45326	Leeds University Dept of Agriculture 97977
Kirovsk Polyarno-Al'piiskii Botanicheskii Sad 10780	La Molina Estacion Experimental Agricola 94302	Lehigh Valley Cooperative Farmers 56939
Kirstenbosch (Newlands) National Botanic Gardens of South Africa 8595 20000 36668 36886 46614 54457	La Molina Universidad Agraria Facultad de Ciencias Forestales 91449	Leicester Longwool Sheep Breeders' Association 22758 63024
Klotzsch J F Herbarium Vivum Mycologicum 67954	Land Act (Australia) 45950	Leipzig Karl-Marx-Universitat Institut fur Staatsveterinarkunde und Veterinarhygiene 91966
Klub fur Terrier 13221	Land and Agricultural Bank of South Africa 66415	Institut fur Tropen-Veterinarhygiene 91966
Kod- og Maelkehygiejnisk Forening for Danske Dyræger 15435	Land and Water Conservation Fund Bill 67031	Institut fur Tropische und Subtropische Landwirtschaft 98170
Kolloquium uber Probleme der Statistischen Qualitatskontrolle 54115	Land-Grant Colleges Act of 1862 57099	Leningrad Lesotekhnicheskaya Akademiya imeni S M Kirowa 70941
Kommunisticheskaya Partiya Sovetskogo Soyuza 56441	Land Husbandry Act (Southern Rhodesia) 87254	Leningrad Nauchno-Issledovatel'skii Institut Lesnogo Khozyaistva 102810
Partiinaya Shkola 60256	Land Settlement Association 87233	Leningrad Universitet 10292
Konferencja Gleboznawcza 22299	Land- und Forstwirtschaftliche Genossenschaften Oberosterreichs 76696	Leningrad Vsesoyuznyi Institut Rastenievodstva 90558
Konosu (Japan) Central Agricultural Experiment Station 38729	Land- und Forstwirtschaftliche Landes-Buchfuehrungs-Gesellschaft 66927	Polyarnaya Opytnaya Stantsiya 90558
Kontrollnamnden 22299	Landbouw-Economisch Instituut 20023	Levante T Saggio della Flora Patria 88239
Ko-operatieve Wijnbouwers Vereniging van Zuid-Afrika 96297	24573 26939 45387 45852 70862 74473 80757 86197 86356 86357 86536---86538 97509 107655 107985 108026	Leverkusen Gartenamt 64307
Kopparbergs Lans Hushallningssallskap 8389	Landbouwgrids 46511	Leyden Rijksuniversiteit Xylotheek 50493
Kopparbergs Lans Kontrollforening 92646	Landbouwinvesteringsfond (Belgium) 86640	
Korea (Republic) 35476	Landbouwschap 35645	
	Landbrugets Informationskontor 87451	







Item	Item	Item
Maryland Agricultural Experiment Station 2283 8393 15212 26229	Mexico Direccion General de Distritos de Riego 2549	Minnesota Agricultural Extension Serv 27068 44255 45235
Maryland Agricultural Society 67224	Mexico Direccion General de Estadistica 8255 15493 64926	Minnesota Conservation Dept 40241 40242
Maryland and Virginia Milk Producers Association 96471	Mexico Instituto Nacional de Ovinos y Lanas 15806	Minnesota Conservation Needs Committee 16990
Maryland Board of Natural Resources 70954	Mexico Secretaria de Agricultura y Ganaderia 87864 108320	Minnesota Crop Improvement Association 10294 19470 86432
Maryland Crop Reporting Serv 6246	Mezhdunarodno Nauchno Suvestanie po Kheterozisa (Sofiya) 78302	Minnesota Dept of Agriculture 20153
Maryland Dept of Forests and Parks 70954	Mezhdunarodnyi Bank Ekonomicheskogo Sotrudnichestva 87679	Div of Plant Industry 57793
Maryland Farm Bur 67224	Michigan Academy of Science Arts and Letters 46516 109022	Plant Industry Reporting Serv 16714
Maryland Inspection Serv 54726	Michigan Agricultural Cooperative Marketing Association 65469 85753	Minnesota Dept of Iron Range Resources and Rehabilitation 16912
Maryland Nutrition Conference for Feed Manufacturers 21781 21782	Michigan Agricultural Experiment Station 24265 25076 26200 35898	Minnesota Iron Ranges Resources and Rehabilitation Commission 108528
Maryland State Horticultural Society 38947	Michigan Association of Farmer Cooperatives 17118	Minnesota Plant Industry Reporting Serv Bulletins 57793
Maryland University 46246	Michigan Dept of Agriculture 8394	Minnesota Poultry Butter & Egg Association 75792
Agricultural Extension Serv 46247---46250 56841 57161	Plant Industry Div 57809 97512	Minnesota Sanitarious Association Outstanding Achievement Award 17410
46251 59441 59442 59995	Michigan Elevator Exchange 16129	Minnesota State-Federal Crop and Livestock Reporting Serv 85060
Dept of Zoology 52799 73150	Michigan Employment Security Commission 7724	Minnesota State Grange 98214
Massachusetts Agricultural Experiment Station 21021 34482 35285	Farm Placement Sect 86746	Minnesota University 32939 75792
50421 75816 86673 98083	Michigan Mail-In Account Project 108524	Cooperative Rust Laboratory 88809
Massachusetts Dept of Agriculture 36134	Michigan Milk Producers Association 74830	Institute of Agriculture 45235 77545 77574 77575
72686 87529	Michigan State Grange 27129 56919	Div of Agricultural Extension 86432
Massachusetts Fruit Growers Association 65412	Michigan State Horticultural Society 49025	Duluth Minnesota Area Vocational-Technical School 108528 108529
Massachusetts Horticultural Society 10581	Michigan State University of Agriculture and Applied Sciences 1709	Landscape Arboretum 67729
Massachusetts State Grange 17098	Bur of Business and Economic Research 64927	School of Forestry 50506
Massachusetts University 68047	Cooperative Extension Serv 44255	Minnesota Valley Breeders Association 3381
Agricultural Extension Serv 83326 83327	45235 48868 56465 76313	Minnesota Vocational Agriculture Farm Management Serv 26504
Dept of Forestry and Wildlife Management 60862	77545 87145 108029 108712	Minsk Belorusskii Nauchno-Issledovatel'skii Institut Zemledeliya 28496
Holdsworth Natural Resources Center 96367	Dairy Dept Award 67534	Minsk Belorusskii Nauchno-Issledovatel'skii Institut Zhivotnovodstva 30758
Massey University College 103400	Dept of Agricultural Engineering 23978 74926	Minsk Belorusskii Tekhnologicheskii Institut imeni S M Kirova 71041
Master Brewers Association of America 44197	Dept of Food Science 74926	Minsk Bolotnaya Stantsiya 60708
Maurice and Therese Pic Award 46587	Institute for Community Development and Serv 35991	Minsk Tsentral'nyi Nauchno-Issledovatel'skii Institut Mekhanizatsii i Elektrifikatsii Sel'skogo Khozyaistva 15060
Mauritius Agricultural Bank 75996	Michigan University 44	Nechernozemnoi Zony SSSR 15060
Mauritius Chamber of Agriculture 67483 109019	Botanical Garden 70956	Mission Zoologique de l' I R S A C en Afrique Orientale 73491
Mauritius Co-operative Central Bank 35486	Michoacan Comision Forestal 40338	Mississippi Agricultural and Industrial Board 16547
Mauritius Cyclone and Drought Insurance Board 97633	Middlesex Conservation District 10725	Mississippi Agricultural Experiment Station 6408 20538 20543
Mauritius Dept of Agriculture 87862	Midwest Regional Turf Conference 49227 49228	26815 34551 36581 90970
Mauritius Forest Dept 40446	Midwest Regional Turf Foundation 49228	Delta Br Experiment Station (Stoneville) 79242
Mauritius Granary Dept 107496	Mikrobiologicka Spolecnost Ceskoslovenska 87865	Mississippi Dept of Agriculture 15787
Mauritius Sugar Industry Research Institute 97463	Milan Associazione Cotoniera Italiana SEE Associazione Cotoniera Italiana 18176 23309	30062 96684
Mauritius Tobacco Board 26346	Milan Associazione Granaria Milanese 18175	Mississippi Lieu Land Commission 56467
Max-Eyth-Gesellschaft zur Forderung der Landtechnik 87986	Milan Associazione Italiana Industriali Prodotti Alimentari SEE Associazione Italiana Industriali Prodotti Alimentari 18176 23309	Mississippi Livestock Sanitary Board 30953
Max-Eyth-Memorial Award 87986	Milan Istituto di Ricerche Agrarie 18175	Mississippi State Land Off 56467
Max-Planck-Institut fur Kulturpflanzen-zuchtung (Hamburg-Volksdorf) 101408	Milan Istituto Sperimentale Italiano "L Spallanzani" per la Fecondazione Artificiale 51383	Mississippi State Plant Board 77576
Abteilung Champignon-Anbauversuche 67429	Milch- Fett- und Eier-Kontor 96470	Mississippi State University of Applied Arts and Sciences 56870
Meals for Millions Foundation 108923	Milchhandelsverband Schleswig-Holstein 96371	Agricultural Extension Serv 108715
Meat Industry Research Institute of New Zealand 107678	Milchwirtschaftsfond (Austria) 26729	Missouri Agricultural Experiment Station 5642 11895 24265 25016
Sanitation Study Group 97073	Milk Dealers' Association of Metropolitan New York 54583	26200 36493 36573 36582
Meat Research Conference 107571	Milk Industry Foundation 17340	40369 45482 58830 59292
Meat Tenderness Symposium 17620	Teaching Award 34361	60781 65875 67668 86354
Meerut (India) College 76162	Milwaukee Dairy Council 65730	92126
Meeting of High Level Experts in Agricultural Problems 96473	Minneapolis Grain Exchange 57184	Missouri Basin Inter-Agency Committee 39884
Mejeriforbundet Enigheten 15845	Minnesota Academy of Science 20815 24265 25076 26200	Missouri Botanical Garden SEE St Louis (Mo) Botanical Garden 16516
Memphis Cotton Exchange 88579	35898 65875 67729 86354	Missouri Dept of Agriculture 25090 97513
Merino Stud Breeders' Association of South Africa 42136	86432 88091	
Mexico Direccion General de Conservacion del Suelo y Agua 20981		
Mexico Direccion General de Defensa Agricola 88579		



Item	Item	Item
Missouri Dept of Agriculture--Cont	Mozambique Direccao de Agricultura e Florestas	National Association of State Dept of Agriculture
Grain Warehouse Div 16130 55322	Mozambique Direccao dos Serv de Economia e Estatistica Geral 6247	27096 34033 87469
Off of the Agricultural Statistician 16265	Mozambique Reparticao de Estatistica Geral 54362 54363	National Association of Tobacco Distributors 66276
Missouri Grain and Feed Association 96980	Munich Bayerische Biologische Versuchsanstalt 23436	National Association of Wheat Growers 1510 85984 107499
Missouri Land and Livestock Co of Scotland 16560	Munich Forstliche Forschungsanstalt 80818	National Association of Wool Manufacturers 25219
Missouri Poultry Improvement Association 42093	Munich Universitat	National Auricula and Primula Society 1872
Missouri State Seed Testing Laboratory 16389 66159	Staatswirtschaftliche Fakultät 80818	Northern Sect 10807 39256 59738
Missouri University	Tieranatomisches Institut 61716	National Beef Feeder Award 67585
College of Agriculture	Tierärztliche Fakultät	National Board of Fur Farming Organizations 22384 31652
Extension Serv 36139 36140	Zoologisch-Parasitologische Institut 23436	Permanent Research Committee 41810
44255 45235 58830 59292	Munich Wissenschaftliche Station für Brauerei 74626 85137 85138	National Broiler Council 55732 75764
Off of Public Information 63771	96307	National Canners Association 6204
M I T Fellows in Africa Annual Conference 86578	Munster Institut für Genossenschaftswesen 67252	54318 65174 106706 106707
Miyazaki National University	Murmansk Morskoi Biologicheskii Institut 77114	National Capital Dahlia Society 59739
Veterinary Clinic and Dept of Animal Pathology 41339	Murrells Inlet (S C) Brookgreen Gardens 26767a	National Chinchilla Breeders of America 41811 41816 41817 82427
Moa Farmers' Co-operative Dairy Co 6414	Muskeg Research Conference 20363	Wisconsin Br 52083
Model Business Corporations Act 46290	Mysen Haga Jordbruksskole 27087	National Chrysanthemum Society 10771
Modern Veterinary Practice 3977	Mysore Central Food Technological Research Institute 54433	10808 10869 59736 59740
13283 22006 41798 52624		National Coffee Association 17166
104015 104016 104120 104784		57010 87674
Moldavskii Nauchno-Issledovatel'skii Institut Oroshaemogo Zemledeliya i Ovoshchevodstva 20154		National Conference on Agricultural Statisticians in a Changing World 57411
Monde Rural 46512		National Conference on Air Pollution 67486
Mongolia Livestock Dept Pasture Off 90150		National Conference on Fruit and Vegetable Bargaining Cooperatives 65500
Monks Wood Experimental Station 27422		National Conference on Handling Perishable Agricultural Commodities 44772
Montana Agricultural Experiment Station 2061 49414		National Conference on Weights and Measures 64834
Montana Arid Land Grant Commission 66996		National Cooperative Dairy Herd Improvement Program 41728 62038
Montana Livestock Sanitary Board 12662 13087	Naaldwijk Proefstation voor de Groenten- en Fruitteelt Onder Glass 20157	National Cotton Council of America 15848 15849 67321 88574
Montana Off of the State Forester 11925	Naesgaardsbogen 109024	96712
Montana State Board of Hail Insurance 76032 86683	Nagano Industrial Laboratories 81524	Information Serv 25220
Montana State College 67730 71645	Namur Ligue Pomologique 58093	Utilization Research Div 107169
Montana State University	Nan-Hua Lin Yeh Kung Tso Chan 91630	National Cottonseed Products Association 11568 12904 16317 35188
Forestry School 50500	Naples Hortus Camaldulensis 77127	35189 97242
Morocco Inspection des Cooperatives Marocaines Agricoles et Societes Cooperatives Agricoles Marocaines 56942	Nationaal Instituut voor Brouwerij Mout en Bier T N O 6299	National Council of Applied Economic Research (India) 11964 45434 74280
Morocco Ministere de Commerce de l'Industrie des Mines et de la Marine Marchande 17171	90043 90044	National Council of Farmer Cooperatives 26425 98237
Morocco Off National des Irrigations 70699	Nationaal Instituut voor Zuivelonderzoek 25039	National Council of Wool Selling Brokers of Australia 6653
Moroni Feed Co 44393	National Academy of Sciences 10335	National Council on Agricultural Life and Labor 66515
Morrill Act of 1862 SEE Land-Grant Colleges Act of 1862	67485	National Coursing Association 62473
Morrill Seminar Lectures 76655	National Advisory Committee for the Experimental Mass Management Educational Program 108712--108714	National Coursing Club 62474
Morrinsville Co-operative Dairy Co 15672	National Advisory Committee on Coordination of Definitions Standards and Labeling Requirements for Dairy Products 74891 96516	National Credit Conference 26477
Morrison Award 17399 27467	National Agricultural Bank of Libya 75997	National Dahlia Society 10809 49230
Morton Arboretum SEE Lisle (Ill) Morton Arboretum	National Agricultural Chemicals Association 17265 76920	National Dairy Association of New Zealand 74714
Moscow Nauchnyi Institut po Udobreniyam i Insekto-Fungitsidam imeni Ya V Samoilova	National Agricultural Policy Forum 35667	National Dairy Council 108927
Laboratoriya Gerbitsidov i Defoliantov 48787	National Allotments and Gardens Society (Gt Brit) 56620	National Dairy Federation 74714
Moscow Tsentral'naya Nauchnaya Sel'skokhozyaystvennaya Biblioteka 48788	National Anaplasmosis Conference 103798	National Directory of the Canadian Pulp and Paper Industries 30656
Moscow Universitet 27393	National Apple Institute 65475 85758	National Extension Research Seminar 56891
Biologo-Pochvennyi Fakul'tet 42877	Marketing Div 15963	National Farm & Power Equipment Dealers Association 33812 106223
79920	National Association of Agricultural Contractors 98452	National Farm Institute 97750
Geograficheskii Fakul'tet	National Association of County 4-H Club Agents 67217	National Farm Safety Week 53614
Prikspiiskaya Ekspeditsiya 26666	National Association of Federal Veterinarians 103287	National Farmers' Association 36539
Kafedra Entomologii 27528	National Association of Frozen Food Packers 96218	National Farmers' Organization 98204
Kafedra Geobotaniki 27529	National Association of Marketing Officials 34088 74412 75576	98223
Moscow Vsesoyuznyi Institut Ekonomiki Sel'skogo Khozyaystva 86612	National Association of Mutual Insurance Co 45525	National Farmers Union 26929 46273
Moscow Vystavka Dostizhenii Narodnogo Khozyaystva SSSR 10474	National Association of Refrigerated Warehouses 64886	66373 67210 67330 76167
Mostra Internazionale delle Conserve ed Imballaggi 96217	National Association of Soil and Water Conservation Districts 91351	98251 108304 108773
Motorisation Agricole 64355		National Farmers Union of Australia 87547
Moutere Conservation Station 50367		Wales 74474



## Item

National Federation of Young Farmers' Clubs	17099
National Food Brokers Association directories	15417
National Food and Nutrition Conference	67421
National Food Co	82415
National Food Congress (Amsterdam)	24327
National Forest Products Week	51164
National Forestry Research Program	80882
National 4-H Club Foundation of America	36098 46180---46185 56849
	56850---56856 56915 67225
	76623 87471---87479 108719
	108720---108730
National 4-H Serv Committee	76672
	76673
National Frozen Food Association	24517
National Gardens Scheme	59741
National Grain Co	
Agricultural Dept	79839
National Grape Co-operative Association	15968
National Hardwood Lumber Association	40880 51157 51158
National Home Demonstration Agents' Association	67200
National Horticultural Plastics Conference	74251
National Independent Meat Packers Association	16239 107682
National Industrial Conference Board	45435
National Institute for Research in Dairying SEE Reading (Eng) University	
National Institute for Research in Dairying	
National Institute of Agricultural Botany	10295 59129 70001 70002
	70003 77197 79693
Seed Production Br	59218 59363
National Institute of Agricultural Engineering	43406
National Institute of Animal Agriculture	107574
National Institute of Animal Health (Japan)	92507
National Institute of Farm and Land Brokers	36011 98080
National Joint Industrial Council for the Flour Milling Industry	55325
National Labeling Committee SEE National Advisory Committee on Coordination of Definitions, Standards, and Labeling Requirements for Dairy Products	
National Lime Association	21024
National Live Stock and Meat Board	86160 107575
National Livestock Breeding Conference (England)	30756
National Livestock Feeders Association	91872
National Live Stock Producers Association	25815
National Livestock Tax Committee	56144
National Lumber Manufacturers Association	21101
National Maple Syrup Council	55934
National Market Reports	33813
National Marketing Serv Workshop	34069
National Milk Producers Federation	15595 24774 74831 85499
National Mosquito Control-Fish and Wildlife Coordination Committee	94192
National Peach Council	6796
National Peanut Council	55609 75734
National Pear Research Conference (Japan)	44561
National Pig Breeders' Association	82894 93740
National Plans Conference	52325
National Plant Disease Detection Program (proposed)	88595
National Plant Food Institute	80751
National Potato Utilization Conference	55022 55023

## Item

National Poultry Improvement Plan	31774 52320 52325 62801
	72686 82677
National Reclamation Association	20891
	102207 102208
National Renderers Association Awards	27444
National Research Council	
Advisory Committee on Civil Defense	
Subcommittee on Livestock Damage	30959
Agricultural Board	35688
Agricultural Research Institute	36580
	36583 88083 88092
Committee on Animal Health	52267
Committee on Animal Nutrition	82094
Div of Biology and Agriculture	17266 17267 77116
Committee on Pest Control and Wildlife Relationships	
Subcommittee on Research Needs	76921
Committee on Protein Malnutrition	96102
Food and Nutrition Board	67437
	74347 84765 87764 106549
directories	106549
Institute of Laboratory Animal Resources	22476 104195 104219
National Research Council of Canada	17484
National Research Council of the Philippines	98696
National Sample Survey (India)	16147
	26988 27033
National Safety Council	106175
National Science Foundation SEE U S National Science Foundation	
National Shade Tree Conference	59742
National Silo Association	64679
National Soybean Processors Association	16318
National Sweet Pea Society	39257
National Tax Equality Association	66460
National Tung Oil Marketing Cooperative	65966
National Turkey Federation	93488
National Turkey Improvement Plan	32122 52320 52325 52334
	62801 72686 82677
National Vegetable Research Station SEE Wellesbourne (England) National Vegetable Research Station	
National Vitamin Foundation	67422
National Watershed Congress	39885
	39886
National Wildlife Federation	8396
	109025
National Wool Growers Association	42223 72749 72891
Industry-Wide Wool Committee	63170
National Young Cooperators	46310
Nationale Cooperatieve Aan- en Verkoopvereniging voor Land- en Tuinbouw G A "Cebeco"	56943
Nationale Cooperatieve Raad	76701
Nationale Raad voor Landbouwkundig Onderzoek T N O	36584
NATO Advanced Study Institute	92959
Natural Rubber Producers' Research Association	86385
Natuurhistorisch Genootschap in Limburg	98453
Nauchnaya Konferentsiya po Infektsionnym i Invazionnym Zabolevaniyam Sel'skokhozyaistvennykh Zhivotnykh	71774
Nauchnaya Konferentsiya po Predposevnomu Oblucheniyu Semyan	19068
Nauchnaya Konferentsiya Posvyashchennaya Izucheniyu Lesov Sibiri i Dal'nego Vostoka	70918
Nauchno-Issledovatel'skii Institut Sel'skogo Khozyaistva Tsentral'nykh	
Raionov Nechozozemnoi Zony	17488
Naval Stores Conservation Program	2996 21656 21662 61522
Near East-South Asia Irrigation Practices Seminar	40249

## Item

Nebraska Academy of Sciences	27394
Nebraska Agricultural Experiment Station	23223 24265 25076 26200
	27628 65875 86354
Valentine Experiment Station	36572
Nebraska Conservation Needs Committee	20985
Nebraska Crop Improvement Association	10296 26232 107890
Nebraska Dept of Agriculture and Economic Development	65220 102329
Nebraska Dept of Agriculture and Inspection	106736
Nebraska Farmer Research Dept	26451
Nebraska Grain Improvement Association	75440 85991
Nebraska Poultry Improvement Association	97346
Nebraska State Board of Agriculture	16720
Nebraska University	10539
College of Agriculture	
Extension Serv	44255 45235
	69358 77545 79325
Conservation and Survey Div	60273
Poultry Research Complex	42070
Nebraska Wheat Commission	107500
Nederlands Agronomisch-Historisch Instituut	17452
Nederlands Instituut van Landbouwkundig Ingenieurs	87480
Nederlands Instituut voor Zuivelonderzoek	25038 65177 74991 85474
Nederlandsche Algemeene Keuringsdienst voor Landbouwzaden en Aardappelpootgoed	99580 97434
Nederlandsche Centrale Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek	77117
Nederlandsche Heidemaatschappij	17100
	27376 29926 67229 67185
	91243
Nederlandse Biologische Expeditie Turkije 1959	57466
Nederlandse Bosbouw Vereniging	30113
	30464
Nederlandse Dendrologische Vereniging	46896
Nederlandse Federatie van Organisaties ter Behartiging van de Belangen van Bedrijfspluimveehouders	7371
Nederlandse Kamer van Koophandel voor Amerika	17172
Nederlandse Vereniging voor Biochemie	17929
	17929
Nederlandse Zoutindustrie	24526
Nederlandse Zuivelbond	96374
Nei-meng-ku Hu- t'lo-pei-erh Meng Mo Ta A Mu Chih Ts'ao Yuan Kai Liang Shih Chien Chan	106318
Netherlands Central Bur voor de Statistiek	24573 30185 45369 60910
Netherlands Centrale Commissie van Toezicht op de Uitvoering der Kunstmatige Inseminatie	41196
Netherlands Directie Tuinbouw	10582
	59470
Netherlands Foreign Information Serv	54476 66097 93918 104945
Netherlands Ministerie van Landbouw Visserij en Voedselvoorziening	17268
	34302 45462
Dept van Landbouw	108315
Studiegroep Pluimveehouderij	55730
Netherlands Plantenziektenkundige Dienst	14133 14134 14199 20287
	23234 23235 23313---23317
	27203a 27204a 29097 32777
	32778 32779 32840---32842
	47141 49473 52881 52882
	52957 55184 57763 57812
	57969---57976 63426 63567
	63568 63569 63645---63648
	77582 77966---77968 83334
	83335 83444 88630 88793
	88794 90541 90698 94314
	94315---94317 94389---94393
Netherlands Rijks Instituut voor de Volksgezondheid	26074



Item	Item	Item
Netherlands Rijkscommissie voor de Samenstelling van de Rassenlijst voor Landbougewassen 59130 69359	New South Wales Dept of Agriculture-- Cont	New York (State) Conservation Dept-- Cont
Netherlands Rijksdienst voor de IJssel-meerpolders 98174	Biology Br 8942 9099 47142	Div of Lands and Forests 35815
Netherlands Rijkslandbouwproefstation voor Onderzoek van Meststoffen en Veevoerders 102332	47143 48301 58314 77583	New York (State) Conservation Needs Committee 27008
Netherlands Rijkszuivelstation 96498	77584 77768 88634 88795	New York (State) Cornell Agricultural Experiment Station 87173
Netherlands Stichting Beheer Landbouwgronden 87275	88796 99211 99212---99216	New York (State) Crop Reporting Serv 64861 106738
Netherlands Veeartsenijkundige Dienst 30962 93866	99440---99442	New York (State) Dept of Agriculture and Markets 24427 26375 26376
Netherlands Voedingsraad 36327	Chemistry Br 102365	31657 34070 106738 107376
Neubrandenburg Technische Kontroll-organisatie 86145	Div of Animal Industry 4450	107377
Nevada Agricultural Experiment Station 1460 1611 8531	4569 5725 14046 14047	Bur of Statistics 64861
Nevada Conservation Needs Committee 20986	15308 16187 42023 42094	New York (State) Dept of Health 46018
Nevada Dept of Conservation and Natural Resources 102414	51902 51983 52378 52379	98064
Nevada University	52492 52629 52670 53953	New York State Horticultural Society 59471 79423
College of Agriculture	62453 62867 63049 63301	New York (State) Joint Legislative Committee on Imitation Food Products and Problems 15442 54229
Extension Serv 56754	72246 73023 73153 82457	New York (State) Joint Legislative Committee on Natural Resources 21090
New Brunswick Dept of Agriculture	104122 104123 104502 104696	New York (State) Museum and Science Serv 77198
Potato Br 20158	Div of Dairying 15641 41717	New York (State) Temporary State Commission on Water Resources Planning 40253 102209
New Brunswick Dept of Lands and Mines 66327 66827	107042	New York (State) University 41346
New Brunswick Plant Protection Committee 88633	Div of Horticulture 1803 9945	Agricultural and Technical Institute (Farmingdale) 98136
New Brunswick Royal Commission on the New Brunswick Potato Industry 15911	9946 10646 16043 28802	New York (State) Veterinary College 3197 81815
New Deal 36141	34818 47777 55112 65416	Dept of Physical Biology 92014
New Delhi (India) Buddha Jayanti Park 26776	65609 69701 69702 83445	New York Times 101331
New England Tanners Symposium 65930	Div of Information Serv 55158	New Zealand Aberdeen Angus Cattle Breeders' Association 62008 103477
New England Uniform Dairy Standard 84653	Div of Plant Industry 1969 9947	New Zealand Apple and Pear Marketing Board 6799
New Farmers of America 46257	10525 10526 10955---10957	New Zealand Board of Maori Affairs 45951 66971
New Forest (Gt Brit) 5032 5038	11075---11078 20159 20160	New Zealand Co-operative Dairy Co 15673
5536 14345 14359 14376	20288 28681 29098 34920	New Zealand Co-operative Rennet Co 74714
43295 43299 81031 84143	39389 48875 48876 49347	New Zealand Customs Dept 8262
New Hampshire Agricultural Experiment Station 19652 57400 69997	49348 49349 69882 101424	New Zealand Dairy Production and Marketing Board 15598 24759
New Hampshire University	107306	New Zealand Dept of Agriculture 13900
College of Agriculture	Div of Science Serv 1116 1875	17270 24776 62969 67669
Extension Serv 102304	9100 9948 14135 23401	76168 103402 106878 109026
30332 38670 45503	37113 37114 37296 42612	Farm Advisory Div 17457
New Jersey Agricultural Convention	42695 42781 47144 47337	Ruakura Animal Research Station 103402
Awards 109146	50104 53003 58774 71877	Rukuhia Soil Research Station 101887
New Jersey Agricultural Experiment Station 27395 75817	Entomology Br 8943 14216	Wallaceville Animal Research Station 103402
New Jersey Crop Reporting Serv 25315 6248	83263 83336 94444 105296	Whatawhata Hill Country Station 103402
New Jersey Dept of Agriculture 24426	105297 105385	New Zealand Dept of Lands and Survey 7888 7994 26821
57188	New South Wales Dept of Lands 26820	New Zealand Dept of Maori Affairs 66971
New Jersey Forest Fire Serv 12163	New South Wales Dried Fruits Board 85855	New Zealand Dept of Scientific and Industrial Research 8532
New Jersey Mosquito Control Commission 94079	New South Wales Forestry Commission 50541 50894	Botany Div 98772
New Jersey Mosquito Extermination Association 94142 94169	New South Wales Milk Board 6415	New Zealand Dept of Statistics 6249
New Jersey State College of Agriculture and Mechanic Arts 28680 36410	106941	6250 15494 35140 67332
Extension Serv 60644	New South Wales National Herbarium 57623	85061
New Jersey State Soil and Water Conservation Needs Committee 60644	New South Wales Nutrition Committee 67423	New Zealand Egg Marketing Authority 26181 66098
New Mexico Feed & Fertilizer Control Off 11859 102333	New South Wales Registry of Co-operative Societies 8174 17122	New Zealand Electricity Dept 15349
New Mexico State University	New South Wales Rural Reconstruction Board 7782 97612	New Zealand Forest Serv 11926
Agricultural Extension Serv 36544	New South Wales Statistician 106737	Forest Research Institute 91539 102388
40252 56857 67171 69494	New South Wales Water Conservation and Irrigation Commission 11753	New Zealand Institute of Agricultural Science 108442 109260
Bur of Business Research 74517	New York Academy of Sciences 12670	New Zealand Journal of Agriculture 49233
New Mexico Wool Growers 42224	12671 12672 103289	New Zealand Maori Trust Off 66971
New Orleans Cotton Exchange directories 15851	New York Botanical Garden 8552	New Zealand Meat and Wool Boards' Economic Serv 16188
New Poultry and Egg Products Conference 45237	67698 88256 98765	New Zealand Meat Producer 22008
New South Wales Agricultural Bur SEE	Herbarium 88439	New Zealand Meat Producers Board 7107
Agricultural Bur of New South Wales	New York Cherry Growers Association 65508 85778	New Zealand Milk Board 6340 54477
New South Wales Bur of Census and Statistics 34214 34215	New York Coffee and Sugar Exchange 24692 74574 106830	74716
New South Wales Dairy Products Board 24775	New York Cotton Exchange 25221	New Zealand Pig Breeders' Association 82895
New South Wales Dept of Agriculture 17269 18008 22703 35558	107172	
36411 53952 67489 104402	New York Farm Electrification Council 84729	
104501 108532	New York Produce Exchange 96833	
	96834	
	New York (State) Agricultural Experiment Station 27629 44415 88093	
	96686	
	New York State Association of Milk Sanitarians 85225	
	New York State Canners and Freezers Association 106708	
	New York (State) College of Agriculture (Cornell University) 1065 24693	
	27078 46157	
	Dept of Agricultural Economics 16551 75952	
	Dept of Plant Breeding Biometrics Unit 100069	
	Dept of Poultry Husbandry 13591	
	New York (State) College of Home Economics 76628	
	New York (State) Conservation Dept 61386	



## Item

New Zealand Potato Board	96785
New Zealand Poultry Board	26181
66098	
New Zealand Romney Marsh Sheep	
Breeders' Association	72750
New Zealand Rural Electrical Reticu-	
tion Council	15349
New Zealand Science Congress	27396
New Zealand Sheep Breeders' Associa-	
tion	42139
New Zealand Soil Bur	11417
New Zealand Soil Conservation and	
Rivers Control Council	11811
New Zealand Standards Council	75264
New Zealand Thoroughbred Breeders'	
Association	62596
New Zealand Timber Importers Asso-	
ciation	51028
New Zealand Timber Preservation	
Authority	71429
New Zealand Tobacco Board	66277
New Zealand Tongariro National Park	
Board	78044
New Zealand Weed Control Conference	
	70139
New Zealand Wool Board	15852
New Zealand Wool Commission	25222
107173	
Newfoundland Forest Protection Asso-	
ciation	21339
Newfoundland Poultry Producers	55747
Newfoundland Registry of Cooperative	
Societies	46313
Newllano Community (La)	108663
Niagara County (N Y) Agricultural	
Stabilization and Conservation Serv	16722
Niagara Frontier Co-operative Milk	
Producers' Bargaining Agency	24894
Resolutions Committee	65105
Nicaragua Ministerio de Agricultura y	
Ganaderia	36160 87569
Nicaragua Serv de Extension Agricola	
	32843
Niederosterreichisches Bauernbund	
	67490
Niederosterreichische Landes Land-	
wirtschaftskammer Schweineversuchs-	
und Prufanstalt	32374
Nigeria Dept of Agricultural Research	
	27398
Nigeria Off of Statistics	8263 64928
Nigeria (Eastern Region) Dept of Agri-	
culture	46517 86717
Forestry Div	21091
Produce Inspection Div	44040
Nigeria (Eastern Region) Marketing	
Board	24413
Nigeria (Northern Region) Forest Ad-	
min	11927 60885
Nigeria (Northern Region) Ministry of	
Agriculture	67491 87867
Nigeria (Northern Region) Ministry of	
Animal Health and Forestry	
Shika Stock Farm	31335
Veterinary Div	12673 71778
Nigeria (Northern Region) Provincial	
Annual Reports	66671
Nihon Boeki Shinkokai	108862
Nihon Fudosan Kenkyujo	108629
Nikitskii Botanicheskii Sad SEE Yalta	
Gosudarstvennyi Nikitskii Botanicheskii	
Sad	
Nippon Oils and Fats Co	26108
Nippon Veterinary and Zootechnical	
College	
Veterinary Clinic	92736
Nittsu Research Center	15495
Nogent-sur-Marne Institut de Recher-	
ches Agronomiques Tropicales et des	
Cultures Vivrieres	83301
Nogyo Kikai Shijo Chosa Kenkyu-Kai	
	43473
Nogyo Kikaika Kenkyujo	33569
Nongop Hyoptong Chohap Chungang Hoe	
	36161 76702
Nordic Forest Entomologists' Research	
Group	23614

## Item

Nordisk Skogsunion	80982
Nordiska Jordbruksforskarens Forening	
Kulturtekniska Sektionen	50248
Nordiske Entomologmode	93930
Nordiske Jordbruksforskere Forening	
	88094 109262
Seksjon for Bygnings- og Maskintek-	
nikk	74180
Norfolk (England) Agricultural Station	
	1462 59131 89980
Norges Birokterlag	73413
Norges Bondelag	17273
Norges Landbrukshogskole	91811
Norges Landbruksokonomiske Institutt	
	26824
Norges Landbruksvitenskapelige Forsk-	
ningsrad	109263
Norges Skogeierforbund	40390
Norin Tokei Kyokai	64877
Norrbottens Lans Hushallingssallskap	
	8397 17274 17275
Norris (Tenn) Watershed Dept	16991
Norrlands Skogsvardsforbund	21065
30114	
Norsk Botanisk Forening	67734
Norsk Fjorfeavlslag	82701
Norsk Forstmannsforening	30399
Norsk Fruktdyrkarlag	10610
Norsk Gartnerforening	10574
Norsk Meierikalender	34304
Norsk Planteskolelag	19742 20047
Norske Eggcentraler	86368
Norske Hageselskap	8945 59473
Norske Meierifolks Landsforening	96338
96346 96362	
Norske Melkeprodusenters Landsforbund	
	96377
Norske Skogselskap	11896
North American Laboratory Co	86123
North American Land and Timber Co	
	98011
North American Lily Society	39258
69885	
North American Wildlife and Natural	
Resources Conference	57191
North Borneo Rubber Fund Board	45270
North Carolina Academy of Science	
	27400
North Carolina Agricultural Experiment	
Station	36586 50044 57380
107459	
North Carolina Bankers Association	
	45504
North Carolina Crop Improvement	
Association	86433 86434 107891
North Carolina Dept of Agriculture	
	17276 40370 83178 86517
North Carolina Employment Security	
Commission	
State Employment Serv Div	56201
North Carolina Federal-State Crop	
Reporting Serv	75443 85062
North Carolina Rural Electrification	
Authority	24298 33939
North Carolina State College	
Committee on Plant Breeding and	
Genetics	27765
School of Agriculture	46187
North Carolina University	
State College of Agriculture and	
Engineering	
Extension Serv	22303 24534
24535 24536 27097 27131	
27592---27594 32272 35670	
36328 38752 50107 56308	
67424	
North Carolina State Industry Coopera-	
tive Forest Tree Improvement Program	
	81145
North Central Experiment Station	
Workshop on Radionuclides in Food	
and Agricultural Products	84930
84931	
North Central Poultry Disease Confer-	
ence	22650
North Central Regional Committee on	
Dairy Marketing Research	54569
North Central States Institute	75792

## Item

North Central Weed Control Conference	
	11080 11081
Research Committee	11082
North Dakota Academy of Science	109027
North Dakota Agricultural Experiment	
Station	24265 25076 26200
60262 65875 77545 86354	
Agronomy Seed Farm (Casselton)	
	59118
North Dakota Crop and Livestock Re-	
porting Serv	74475 85063
North Dakota Dept of Agriculture and	
Labor	54364
Div of Cooperatives	17123
North Dakota State Hail Insurance Dept	
	76033
North Dakota State Laboratories Dept	
	96166 98454
North Dakota State University of Agri-	
culture and Applied Science	
Dept of Agricultural Economics	
Statistical Reporting Serv	85063
Dept of Economics	74475
Extension Serv	44255 45235
51904	
North of England Veterinary Medical	
Association	81715
North of Scotland College of Agriculture	
	36587
North of Scotland Hydro-Electric Board	
	84730
North Rhine-Westphalia Landesanstalt	
fur Bodennutzungsschutz	88635
North Sanpete Watershed Project	70479
Northeast Dairy Housing Workshop	
	53956
Northeastern Conference on Avian Dis-	
eases	13568 22651 62870
Northeastern Corn Improvement Con-	
ference	48726
Northeastern Dairy Conference	85227
Northeastern Forest Fire Protection	
Commission	61226
Northeastern Forest Tree Improvement	
Conference	102704
Northeastern Loggers' Congress	21489
21490 102870	
Northeastern Resources Committee	
	29655
Northeastern Weed Control Conference	
	29298 59970
Northern Ireland Agricultural Research	
Institute SEE Hillsborough Agricultural	
Research Institute of Northern Ireland	
Northern Ireland Milk Marketing Board	
	15675
Northern Ireland Ministry of Agriculture	
	10811 12515 12906 13592
13593 13748 15643 17064	
28504 88636 90544 90701	
91134 91873 92018 92019	
96688 97347 100837 101009	
101227 101228 101426 101427	
101428 102006 104403 104503	
104504 105453 106970 107226	
108735 109028	
Northern Ireland Ministry of Commerce	
	8264 52457
Northern Ireland Pigs Marketing Board	
	86161
Northern Nigeria Development Corpora-	
tion	26958
Northern Nut Growers Association	
	19932 101257
Northern Rhodesia Dept of Agriculture	
and Cooperatives and African Market-	
ing	17277
Northern Rhodesia Dept of Lands	
	108445 26826
Northern Rhodesia Dept of Veterinary	
and Tsetse Control Serv	81818 103291
Northern Rhodesia Dept of Water Affairs	
	20893
Northern Rhodesia Forest Dept	40448
Northern Rhodesia Ministry of African	
Agriculture	17277
Northern Rhodesia Tobacco Cooperative	
Society	75883



	Item
Northern Territory (Australia)	35671
Animal Industry Br	31063
Northwest Farm Equipment Journal	106224
Northwest North Carolina Development Association	26669
Northwest Scientific Association	87869
Northwest Wood Products Clinic	51160
51179 51180	
Northwestern Lumbermens Association	2946
Norway Landbruksdept	8114 103080
108306	
Norway Norske Meteorologiske Institutt	98679
Norway Skogvesenet	21299 21300
70958 102705	
Norway Statens Ernaeringsraad	96091
Norway Statens Frokontroll	107892
Norway Statens Kornforretning	67335
108863	
Norway Statens Landbrukskjemiske Kontrollstasjon (Oslo)	87870
Norway Statens Landbrukskjemiske Kontrollstasjon (Trondheim)	17278
Norway Statens Meieriforsok	34301
74712	
Norway Statens Stambokkontor	13349
41453 71949	
Norway Statistisk Sentralbyra	24575
27037 27040 35559	36258
51029 54365 54366	56038
70993 76554 96659	108106
108864	
Norway Veterinaerdirektoratet	51564
Noson Bunka Kyokai Nogi Kenyu-Bu	49637
Noson Bunka Kyokai Nogi Kenyu-Jo	49475
Noson Bunka Kyokai Noji Kenkyu-Shitsu	49352
Notre Dame University	
Lobund Institute	104195
Nottingham Co-operative Society	108790
Nottingham University College	
Easter School in Agricultural Science	68964
School of Agriculture	87483
Nova Scotia Dept of Agriculture and Marketing	18010 57814
Nova Scotia Fruit Growers' Association	19765 59469 59499 63606
Nova Scotia Power Commission	
Dept of Rural Electrification	43850
Nova Scotian Institute of Science	67492
Novi Sad Institut za Poljoprivredna Istrazivanja	88085
Novi Sad Medunarodni Sajem Poljoprivrede	36100
Novosil'skaya Agrolesomeliorativnaya Opytnaya Stantsiya	80716
Nowe Rolnictwo	5989
Noyes Development Corporation	50422
Nulaid Farmers Association	66099
Nuland Cooperatief Pluimveefokkers Instituut	93148
Nut Growers Society of Oregon and Washington	59672
Nyamiyaga Centre d'Elevage	103435
Nyasaland Dept of Agriculture	17279
27401	
Ocean Spray Cranberries	15969 44658
Odessa Odeskiy Silskohospodarskiy Instytut	12676
OECD SEE Organization for Economic Cooperation and Development	
Oekonomische und Gemeinnutzige Gesellschaft des Kantons Bern	
Kommission fur Rindviehzucht	92515

	Item
Offaly County (Ireland) Committee on Agriculture	87548
Office des Bois de l'Afrique Equatoriale	11890
Office International de la Vigne et du Vin	44212---44215 44630
Commission III	64986
Office International des Epizooties	21883
3162 3238 12584	61842
21894 21942 51566	
83667	
Commission Permanente Americaine	21912
Ohio Agricultural Experiment Station	
23972 24265 25076	26200
28683 28803 52493	57390
65875 68053 86354	91018
44679	
Ohio Apple Institute	
Ohio Dept of Agriculture	
Div of Plant Industry	16517 66307
Ohio Dept of Natural Resources	50309
57192	
Div of Lands and Soil	80186 80187
Div of Water	50309
Ohio Farmers Grain and Supply Association	65734
Ohio Farmers Grain Corporation	65734
Ohio Forestry Association	30117
Ohio Poultry Association	42095
Ohio Seed Improvement Association	
7423 26234 66162	86435
Ohio State Horticultural Society	38949
44719	
Ohio State University	25808 36396
102399	
College of Agriculture	
Extension Serv	44255 45235
56794 68053 77545	
Natural Resources Institute	91018
Research Foundation	83180
Ohio Vegetable and Potato Growers Association	90545
OICMA SEE International Organization for Control of the African Migratory Locust	
Oil & Fat Importers & Exporters Association	7309 107750
Oklahoma Academy of Science	46520
Oklahoma Agricultural Experiment Station	19457 20520 39860
81670 91012	
Oklahoma Commissioners of the Land Off	26827
Oklahoma Conservation Needs Committee	70828
Oklahoma Employment Security Commission	76077---76079 86754
86755 86756	
Oklahoma State Board of Agriculture	
Seed Feed and Fertilizer Div	96246 11861
45300 102336	
Oklahoma State University of Agriculture and Applied Science	
Agricultural Extension Serv	71325
73216 92336 98175	
Oklahoma State Grange	17101
Old Farmer's Almanac	36412
Oldenburg Pflanzenschutzamt	37119
Oldham Master Cotton Spinners' Association	44488
Olivier de Serries Le Theatre d'Agriculture et Mesnage des Champs	77062
Olomouc Vyzkumny Ustav Zelinarsky	69995
Olsen Publishing Co	6342
Olympic National Forest	61268 91643
Omaha Bank for Cooperatives	7663
108107	
Omaha Grain Exchange	44946
Omssetningsradet	24429
1.6 in '66 Program	86806
Ontario Agricultural College	1511
16724	
Dept of Crop Science	59221
Poultry Science Dept	104285
Turkey Farm (Arkell)	93424

	Item
Ontario Agricultural Research Institute	98697
Ontario Agricultural Societies	98216
Ontario Cheese Producers Association	
15599 15600	74718
Ontario Cheese Producers' Marketing Board	15599 15600 74718
Ontario Dairy Herd Improvement Associations	82332
Ontario Dept of Agriculture	11574
17280 27314 29766	98795
Extension Br	108736
Ontario Dept of Energy and Resources Management	87324
Ontario Dept of Lands and Forests	
26828 50439	87058
Conservation Authorities Br	7973
16992 27009 27403	36413
Ontario Food Council	74427
Ontario Horticultural Experiment Station	49026
Vineland Station	49026
Ontario Horticultural Societies	38950
Ontario Hydro-Electric Power Commission	5962 96066
Ontario Plowmen's Association	98217
Ontario Stallion Enrollment Board	13350
Ontario Turkey Federation	104407
Operation Blackland Income Growth	
6597 25127 45636	66557
Operation Colombia	66324
Operation Production	40007
Oppland Landbruksselskap	87871
Oregon Agricultural Experiment Station	82333 88637
Orange Center (Japan)	25531
Orange River Development Project (Republic of South Africa)	20838
20886 20927 20942	27055
Orchid Digest Corporation Medal for Meritorious Service to the Orchid World	98610
Order of Orange Nassau	36472
Orebro Lans Hushallningssallskap	17281
Oregon Agricultural Experiment Station	
4451 28509 32564	59958
68054 72893	
John Jacob Astor Br Experiment Station (Astoria)	8525
Klamath Experiment Station	77111
Southern Oregon Br Experiment Station (Medford)	8533
Oregon Conservation Needs Committee	20988
Oregon Dept of Agriculture	
Plant Div	55995
Oregon Essential Oil Growers League	97245
Oregon Ryegrass Growers Association	28662
Oregon Seed Growers League	59133
Oregon State University	
Federal Cooperative Extension Serv	
11084 11085 32309	35068
39528 68054 88637	
Forest Research Laboratory	11897
11898 21492 70921	70922
Oregon Weed Conference	29303
Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek SEE	
Nederlandsche Centrale Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek	
Organisation Africaine et Malgache de Cooperation Economique	108355
Organization for Economic Cooperation and Development	7607 8239
15677 15987 16597	17174
19448 24329 24554	26001
27244 27250 35679	36278
43709 45444 46412	50460
54860 54964 56040	64358
66516 86254 87683	87684
96744 97433 98252	108009
108703 108865	
Organization for European Economic Cooperation SEE Organization for Economic Cooperation and Development	



	Item
Organization of American States	26979
Oriental Economist	7610
Országos Erdészeti Egyesület	2702
Orta G de Coloquios	98718 106538
Osaka Institute for Economic Research	25223
Oslo Landbruksakademiet	
Vinterlandbruksskolen	87484
Oslo Skogindustrienes Okonomiske Institutt	30578
Ostergötlands Lans Hushållningssällskap	67495
Centrala Kontrollforeningen	51986
Osterreichische Dungerberatungsstelle	80413
Osterreichische Richterwoche	45700
Osterreichische Zentralstelle für Schmetterlingswanderungen (Salzburg)	23878
Ostfold Landbruksselskap	76170
Ostifternes Land-Hypothekforening	26479 66421
Ottawa River Forest Protective Association	12164 14280
Otto-Appel Memorial Medal	26463
Oxford Down Sheep Breeders' Association	22767
Oxford University	
Agricultural Economics Research Institute	26429
Commonwealth Forestry Institute	40436 70926
Forest Economics Sect	11965
80948	
Dept of Forestry	91482
Pacific Dairy and Poultry Association	65022 106880
Pacific Growers	66099
Pacific Logging Congress	61324
Pacific Lumber Inspection Bur	61394
Pacific Northwest Crop Improvement Association	10365
Pacific Northwest Fertilizer Bulk Blending Symposium	102337
Pacific Northwest Fertilizer Conference	20720
Pacific Orchid Society	10719
Pacific Science Congress	8116 30021
57193 77200 91441	98455
Pacific Scientific Information Center	67736
Pacific Southwest Inter-Agency Committee	91286
Package Research Laboratory	107320
Packers and Stockyards Act	7153
7154 7155 25915	25916
35308 55479 55505	75576
107637	
Pact J Genera Insectorum	43391
Pakistan Academy of Rural Development	76631 86919
Pakistan Agricultural Census Organization	74550
Pakistan Central Cotton Committee	25225
Pakistan Central Statistical Off	24577
Pakistan Dept of Trade Promotion and Commercial Intelligence	36261
Pakistan Forest Institute (Peshawar)	40437
Pakistan Industrial Development Corporation	41024 45392
Palermo Istituto Regionale delle Vite e del Vino	
Pamir Botanicheskii Sad	49870
Panama Instituto de Fomento Economico	96931
Pan-American Coffee Bur	46400
106838	

	Item
Pan American Sanitary Bur	73154
73155	
Pan American Tung Research and Development League	65966
Pan American Union	
Dept of Social Affairs	67253
Dept of Statistics	74551 106473
Pan American Veterinary Medicine and Zootechnic Congress	12682 12683
Panama Direccion de Estadistica y Censo	7032 17176 34146 86255
87351	
Panama Instituto de Fomento Economico	35438
Panchayat Raj	98133 98167
Pao-yuan-ling Nung Ch'ang Chi Wu K'o	106290
Papaloapan Project (Mexico)	86886
Paper and Pulp Mill Catalogue Engineering Handbook	12382
Papua and New Guinea Bur of Statistics	17177 44127 67339 76795
76796	
Papua and New Guinea Dept of Agriculture Stock and Fisheries	109030
Papua Territory	27405
Bur of Statistics	35676
Paraguay Instituto de Bienestar Rural	56621
Parent-teacher Associations	56836
Paris Academie d'Agriculture	87519
directories	56787
Paris Centre de Recherches et d'Experimentation du Genie Rural	80008
Paris Centre National de Coordination des Etudes et Recherches sur la Nutrition et l'Alimentation	8330 27315
92025	
Commission de la Production du Lait	21954
Paris Centre Technique de la Salaison de la Charcuterie et des Conserves de Viandes	35113
Paris Centre Technique Interprofessionnel des Oleagineux Metropolitains	19688
Paris Institut de Formation pour les Cadres Paysans	67132
Paris Institut de Recherches du Coton et des Textiles Exotiques	68056 69490
69491	
Paris Institut de Recherches pour les Huiles et Oleagineux	28727 79901
Paris Institut des Corps Gras	55660
107753	
Centre Technique Industriel	7311
Paris Museum National d'Histoire Naturelle	88371
Paris Syndicat General de l'Industrie du Jute	6590
Parma Cattedra Ambulante d'Agricoltura	96655
Passet Prize	46549
Pastoralists' Association of West Darling	71854
Patacamaya Estacion Experimental Ganadera	92132
Patrons of Husbandry National Grange	17102 17109 46342 76674
86880 98248	
directories	17103
Pea Growing Research Organisation	10961 49358 70006 90550
Peanut Butter Manufacturers Association	35194
Pear Growers League	15972
Peninsula Horticultural Society	10583
27039a	
Pennsylvania Agricultural Experiment Station	2273 24465 29598 46679
87173	
Pennsylvania Bur of Markets	62974
Pennsylvania Co-operative Potato Growers	65419 65466
Pennsylvania Crop Reporting Serv	34216
Pennsylvania Dairymen's Association	74719
Pennsylvania Dept of Agriculture	2273
29598 57195 54730	55804
57195	

	Item
Pennsylvania Joint State Government Commission	34411
Pennsylvania State Grange	27132
21080 76675	
Pennsylvania State University	
College of Agriculture	35677
Schools of Agriculture and Home Economics	
Extension Serv	9110 13959
20051 37309	67175
Pennsylvania University	
Morris Arboretum	264 17673
23902	
Perfumery and Essential Oil Record	75718
Pergamino (Argentina) Estacion Experimental Agropecuaria	56865
Perishable Agricultural Commodities Act	34750 54192
Pernambuco (City) Instituto Joaquim Nabuco de Pesquisas Sociais	54080
Peru Dept de Estadistica	17181
Pescia Istituto Tecnico Agrario Statale	55689
Pest Control Products Act (Canada)	27391
Pesticides Safety Precautions Scheme (Gt Brit)	93970
Petrified Forest National Park (Arizona)	8
Peulvruchten Studie Combinatie	28516
28517	
Pfizer (Chas) & Co	51440 51441
Pfizer Extension Teaching Award	27539
57232	
Pfizer Paul-Lewis Award	17334
Philadelphia Commercial Exchange	65736
Philadelphia Veterinary College	3151
Philippine Chamber of Wood Industries	30139
Philippine Lumber Producers' Association	21494 71399
Philippine Sugar Institute	16416
Philippines Atomic Energy Commission	98442
Philippines Bur of Animal Industry	75528
Philippines Dept of Agriculture and Natural Resources	17284
Philippines National Economic Council	74307 106739
Off of Statistical Coordination and Standards	24331
Philippines Philippine Virginia Tobacco Admin	55970 55975 66280 66281
Philippines University SEE Manila University of the Philippines	
Phillips Petroleum Co	28685
Phytopathological Society of Japan	18016
Pilch's Poultry Breeding Farms	104480
Pilot Food Stamp Program SEE Food Stamp Plan	
Pinchot Institute for Conservation Studies	27379
Pinzgauer Zuchtverband für Karnten und Osttirol	51673
Pisa Università	
Hortus Botanicus	
Herbarium Pellegrini	36651
Pittsburgh Carnegie Institute of Technology	
Hunt Botanical Library	8610
57470 77205	
Plan d'Equipelement et de la Productivite	35614
Plant Phenolics Group	48603
Plant Propagators Society	1701
Plant Varieties and Seeds Act (Gt Brit)	107879
Planters' Association of Ceylon	74637
84767	
Plovdiv Nauchno-Issledovatel'skii Institut po Zelenchukovite Kulturi Maritsa	29092 29103
Plunkett Foundation for Co-operative Studies	8176
Poland Biuro Urzadzania Lasu i Projektow Lesnictwa	71074

Item	Item	Item
Poland Główny Urząd Statystyczny 15496 54367 57026 67342	Poznań Centralne Laboratorium Przemysłu Jajczarsko-Drobiarskiego 55710	Pukeiti Rhododendron Trust 17524
Poland Instytut Hodowli i Aklimatyzacji Roslin 38862 89318	Poznań Instytut Ochrony Roslin 47152 57823	Pulawy Instytut Weterynarii 103257
Poland Instytut Badawczy Lesnictwa Zakład Ochrony Lasu 42784 53051	Poznań Przemysłowy Instytut Maszyn Rolniczych 73939	Pulp and Paper 12385
Poland Instytut Przemysłu Fermentacyjnego Zakład Technologii Przetworów Owocowych i Warzywnych 55208	Poznań Wyższa Szkoła Rolnicza Katedra Lesnictwa 50890	Pulp and Paper Manual of Canada 21615
Poland Komisja Ustalająca Zalecenia Ochrony Sądów 88643	Pozzuolo del Friuli Scuola Agraria 10868	Pulp and Paper Research Institute of Canada 71476 71493 81507
Poland Ministerstwo Leśnictwa i Przemysłu Drzewnego 80871	Prague Československe Zemedelske Museum 73647	Process Research Dept 91730
Poland Państwowy Fundusz Ziemi 35932 36007	Prague Vyzkumny Ustav Zemedelských Stroju 73923	Punjab (India) Board of Economic Inquiry 26932 44011 54561 56041
Polish Ecological Bibliography 37593 98456	Prairie Farm Assistance Act (Canada) 76025	Purdue University 49228
Polska Akademia Nauk Instytut Botaniki 77381	Prairie Farm Rehabilitation Act (Canada) 50251	Engineering Experiment Station 84250
Komitet Gleboznawstwa i Chemii Rolnej 67600	Prairie Garden 69682	Putnam County (Tenn) Soil Conservation District 11813 70832
Komitet Mikrobiologiczny 80123	Prince Edward Island Dept of Agriculture 87875	
Komitet Nauk Zootechnicznych 71869	Princes Risborough (England) Forest Products Research Laboratory 41171 61369 81610 102948	
Wydział Nauk Rolniczych i Leśnych 30974 46680 50117 60158 65422	Princeton University Conference 102216	Quarter Horse Association of Nebraska 92865
Zakład Genetyki Roslin (Poznań) 9549	Prix de Coincy 88044	Quarter Horse Journal 31658
Zakład Hodowli Doswiadczalnej Zwierząt 71864	Prix du Conseil 87955	Quebec Bur of Statistics 15497 25051
Polskie Towarzystwo Gleboznawcze 49585	Prix Gandoger 88037	26301 34219 34844 54368
Polskie Towarzystwo Lesne 70915 70932 102382	Pro-Fac-Curtice-Burns Organization 65393	Quebec (City) Universite Laval Dept of Food 96096
Polskie Towarzystwo Mikrobiologów Sekcja Mikrobiologii Rolnej 80123	Professor-Hermann-Weighmann Gedankenmunze 98487	Quebec Dept of Agriculture and Colonization 66973
Polskie Towarzystwo Nauk Weterynaryjnych Sekcja Fizjologii i Patologii Rozrodu 51385	Produce Packaging Association 15998	Health of Animals and Animal Production Serv 32101
Polskie Towarzystwo Parazytologiczne 103306	Produce Packing Development Association 16000 84955	Information and Research Serv 68058 68059---68061 77593 77789
Polwarth Sheep-breeders' Association of Australia 32194	Production Credit Associations 7656 7657 76011	79843
Pony of the Americas Club 13352	Productos Neosan 30977	Quebec Dept of Lands and Forests 16830
Portici Istituto di Microbiologia Agraria 27410	Productschap voor Margarine Vetten en Olie 75722	Quebec Farm Credit Bur 56101
Portland Cement Association 15276	Productschap voor Vee en Vlees Afdeling Statistiek 86256	Quebec Food Processors Association 55125
Portland (Oreg) Merchants Exchange 65738 86009	Produktivtetsudvalget for Gartneri og Frugtavl 56602	Quebec Society for the Protection of Plants 88645
Porto Alegre Universidade do Rio Grande do Sul Faculdade de Agronomia e Veterinaria 12692	Produktschap voor Landbouwwaaraizen 76799 76800	Queensland Agricultural Bank 76000
Portugal Estacao Agronomica Nacional 1469	Produktschap voor Pluimvee en Eieren 62949	Queensland Bur of Census and Statistics 106741
Portugal Estacao de Biologia Florestal (Entomologia) 73316	Produktschap voor Zuivel 6328 6345 27196 96541	Queensland Bur of Sugar Experiment Stations 38913 79396 107933
Portugal Instituto Nacional de Estatistica 8270 24578 34218 44128 87690 108869	Economisch-Statistische Afdeling 44387 44388 85500	Queensland Butter Marketing Board 44313
Portugal Junta de Colonizacao Interna 64938	Professional Agricultural Workers Conference 26679	Queensland Dept of Agriculture and Stock 6084 10368 27408
Portugal Junta Nacional do Azeite 90309	Program Evaluation Research Task 35443	Pig Br 4582
Portugal Junta Nacional do Vinho 59628 64950	Programm Nord 45727 67075	Sheep and Wool Br 4748
Portugal Serv de Higiene Publica Veterinaria 81831	Progress in Biophysics and Molecular Biology 38345	Queensland Dept of Forestry 60887
Potash Ltd Field Serv Dept 11587	Progress in Industrial Microbiology 76908	Queensland Dept of Primary Industries 48735 69429 79183
Potassium Symposium 40047	Progress in the Chemistry of Organic Natural Products 38515	Sheep and Wool Br 43775
Potato Association of America 59862	Progressive Farmer 24400	Standards Br 50424
Potato Handbook 59862	Market Research Dept 34031	Queensland Health Education Council 46525
Potsdam Institut fur Ernährung 57100	Protection of Animals (Anaesthetics) Act (Gt Brit) 51574 103314	Queensland Irrigation and Water Supply Commission 20901
Poultry and Egg Producers' Association of Gt Brit 42100	Przedsiębiorstwo Handlu Zagranicznego CSO Hortex 36195	Queensland Land Admin Commission 35824
Poultry Farmers' Co-operative Society 26186	Public Law 82-78 SEE Agricultural Act of 1949	Queensland Meat Industry Board 45001
Poultry Industry Marketing Award 46607	Public Law 83-480 SEE Agricultural Trade Development and Assistance Act of 1954	Queensland Society of Sugar Cane Technologists 66233
Poultry International 82541	Public Law 83-566 SEE Watershed Protection and Flood Prevention Act	Queensland University 22702
Poultry Product Purchasing 107820	Public Law 87-788 SEE Forest Research Programs and Promotion Act	Dept of Agriculture 15858 60475
Poultry Research Station (Houghton) SEE Animal Health Trust (Gt Brit) Poultry Research Station (Houghton) 32100	Puerto Deseado Estacion de Biologia Marina 88480	Colin Wright Tropical Preventive Medicine Laboratory (Brisbane) 21840
Poultry Science Association Research Award 27542	Puerto Rico Bur of Agricultural Statistics 26680	Quetico-Superior Wilderness Area 81271
Poultry Stock Improvement Plan 42082	Puerto Rico Land Authority 5836 97593	Quick Frozen Foods 15421 24432
Power Farming in Australia and New Zealand 33579	Puerto Rico Planning Board Bur of Economics and Social Planning 96247	
	Puerto Rico Water Resources Authority 50318	Rabenhorst G L Klotzschii Herbarium Vivum Mycologicum Index 67954



	Item		Item		Item
Radet for Hagebruksforsok	10585	Republic of South Africa Potato Board		Rome Stazione di Patologia Vegetale	
69676		6722 54962	75180		99240
Raiffeisenverband Kurhessen	17124	Republic of South Africa Soil Conserva-		Romney (W Va) Federal Credit Union	
Railway Tie Association	40854	tion Board	20990		45483
51182 91691 91707	40904	Republic of South Africa Tobacco Indus-		Roscoe B Jackson Memorial Laboratory	
Committee on Manufacturing Prac-		try Control Board	26351 86519		31636
tices	40905	Republic of South Africa Wheat Industry		Roskilde Slagteriernes Forskningsinsti-	
Committee on Mechanical Handling of		Control Board	7045 55345	tut	34979 75524 107586
Cross Ties	91707	Republic of South Africa Wool Board		Roslin Scottish Plant Breeding Station	
Committee on Research and Product			6664		37895
Development	40854	Republic of South Africa Wool Commis-		Rothamsted Experimental Station	1465
Committee on Timber Conservation		sion	65317	Rotterdam Kamer van Koophandel en	
40906 91691		Research Conference [of the American		Fabrieken	44016 106627
Rallis India Limited	70872	Meat Institute Foundation]	25820	Rouen Centre de Recherches des Indus-	
Ralston Purina Co	16352 31209	86106		tries Textiles	65320
72096		Reserve Bank of India	7642 16590	Rowett Research Institute (Aberdeen)	
Ralston Purina Research Fellowships		46325 76704		21752 82042 91882 103092	
	8478	Economic Dept	45506 66423	103124	
Ralston Purina Teaching Award	27545	Standing Advisory Committee on		Royal Agricultural Society of England	
Rancho Santa Ana Botanic Garden	17534	Agricultural Credit	16591 26482		27134 56908 67226
Rare Fruit Council	59538	26483 56103		Royal Agricultural Winter Fair	17067
Reader's Digest	49029	Statistics Dept	45506	Royal Bank of Canada	49943
Reading (England) University	56491	Residue Reviews	6112 54245	Royal College of Veterinary Surgeons	
National Institute for Research in		Resources for the Future	27011		61870 71796
Dairying	15752 62434 72006	35981 35982		Wellcome Library	61843
74981		Resources for the Future Forum	66568	Royal Commission on Canada's Econom-	
Reaumur Prize	46624	Resources for Tomorrow Conference		ic Prospects	71490
Reciprocal Meat Conference	25818	26684 26710 35709		Royal Dublin Society	41462
Record Stockman	107627	Reunion Latinoamericana de Fitotecnia		Royal Entomological Society of London	
Recreation and Public Purposes Act		28426 28427			14395 94661
	67053	Reunion Mexico-Estados Unidos Para el		Royal Highland and Agricultural Society	
Redwood Region Logging Conference		Control de Plagas de las Plantas	94011	of Scotland	17104
	61310	Revenue Act of 1964	56143 66459	Royal Horticultural Society	39274
Regional Conference on Rural Health		86698			39275 49242
	98180	Review of Applied Entomology	63684	Rhododendron Group	79619
Regional Seminar on Energy Resources		Review of Textile Progress	54902	Royal Jersey Agricultural and Horti-	
and Electric Power Development	74274	Revista dos Criadores	71876 72691	cultural Society	87551 98219
Regional Technical Conference on Water		Revue de l'Elevage	61670	Royal Ulster Agricultural Society	76676
Resources Development in Asia and the		Revue de Medecine Veterinaire	67611	Ruakura Farmers' Conference Week	
Far East	40304	Rheinische Hoehere Landbouschule Bruhl			108321
Reinbek Bundesforschungsanstalt fur			27092	Rubber Growers' Association	7402
Forst- und Holzwirtschaft	30119	Rhineland-Palatinate Landespflanzen-			66127
91018		schutzamt	47162	Rubber Manufacturers' Association of	
Reisui Coop	46626	Rhodesia and Nyasaland (Federation)		Japan	86406
Reliquiae Haenkeanae	8551		7613 17287	Rubber Producers' Council of the Fed-	
Republic of South Africa Bur of Census		Rhodesia and Nyasaland (Federation)		eration of Malaya	75807
and Statistics	24579 27257 54280	Agricultural Research Council	67671	Rubber Research Institute of Ceylon	
54369 56658		Rhodesia and Nyasaland (Federation)			45271
Republic of South Africa Chicory Control		Central Statistical Off	17184 96249	Rubber Research Institute of Malaya	
Board	6720 65423	Rhodesia and Nyasaland (Federation)			35321 55757
Republic of South Africa Citrus Board		Cold Storage Commission	85034	Ruhr-Stickstoff Aktiengesellschaft Bo-	
	6719 54961	Rhodesia and Nyasaland (Federation)		chum	77125 101105
Republic of South Africa Controller and		Commission of Inquiry into the Dairy		Ruiru (Kenya) Coffee Research Station	
Auditor-General	6664 7020	Industry	54480		11152
	6721 6722 6910 7045	Rhodesia and Nyasaland (Federation)		Rumania Institutul de Cercetari Foresti-	
	7318 26351 44778 45247	Ministry of Agriculture	17287	ere	71050 71282 71348 71590
	54479 54961 54962 55191	Henderson Research Station	77118	Rumania Institutul de Cercetari Horti-	
	65317 65423 86105 107894	Rhodesia and Nyasaland (Federation)		Viticole	19746
Republic of South Africa Dairy Industry		South-Western Tobacco Marketing		Rumania Directia Centrale de Statistica	
Control Board	6347 74721	Board	55978		15498
Republic of South Africa Deciduous Fruit		Rhodesia and Nyasaland Tobacco Re-		Rumbeke Provinciaal Onderzoek- en	
Board	6721 65424	search Board	1678	Voorlichtingscentrum voor Nivverheid-	
Republic of South Africa Dept of Agri-		Rhododendron and Camellia Year Book		steelten	89999
cultural Economics and Marketing			49242	Rumbeke Westvlaamse Proeftuin	10614
Div of Commodity Serv	43985	Rhododendron Handbook	79619	Rural and Industries Bank of Western	
96159		Rice Center (Japan)	25777	Australia	7669
Republic of South Africa Dept of Agri-		Rice Millers' Association	16143 44953	Rural Areas Development Program	
cultural Technical Serv	17285 66043	Rice Technical Working Group	48737		8179 8180 16659 21049
	75921 80715 87878	Riksforbundet Landsbygdens Folk	87879		26595---26597 26663 26673
Republic of South Africa Dept of Customs		Rio Grande do Sul Universidade			26677 30580 35589 35595
and Excise	36269 57036	Faculdade de Agronomia e Veterina-			35626 45639 45641 45688
Republic of South Africa Dried Bean		ria	45979		45689 45716 45740 56269
Control Board	25416 55191	River Basin Planning Act of 1964	91317		56303 56304 56340 56698
Republic of South Africa Dried Fruit		Rixford Award	17374		56701 56887 66596 66601
Board	6910 6911 44778 96902	Rochester Animal Technicians Training			67034 108266
Republic of South Africa Egg Control		Program	103282	conferences and congresses	45650
Board	45247	Rochester Dairy Cooperative	54587		45656
Republic of South Africa Livestock and		65108		Indiana	56347
Meat Industries Control Board	25819	Rockefeller Foundation	17485 17486	Kentucky	35625
	55418 86105	76184 86900 108319 109265		Minnesota	87592
Republic of South Africa Lucerne Seed		Rocklea Animal Husbandry Research		Mississippi	35601
Control Board	7427	Farm	72692	Montana	86802
Republic of South Africa Mealie Industry		Rocky Mountain Conference of Entomol-		Nebraska	26586
Control Board	16141 16142	ogists	63366	New Hampshire	75969
Republic of South Africa Mohair Adviso-		Rocznik Polityczny i Gospodarczy	74553	Ohio	66831
ry Board	34559	Rohland A Asker Award	88015	Oklahoma	7740 85542
Republic of South Africa Oilseeds Con-		Rokup West African Rice Research		Technical Action Panel	45664
trol Board	7318 55668	Station	1522 100898	Wisconsin	35651



	Item		Item		Item
Rural Bank of New South Wales	26485	Santa Paula Citrus Fruit Association	34746	Schweizerische Vereinigung zur Forde-	
Rural Electrification Conference		Santa Tecla Instituto Salvadoreno de		rung der Betriebsberatung in der Land-	
(Suttow Bonnington)	24300	Investigaciones del Cafe	39621	wirtschaft	56879
Rural Industries Bur	76636	Santiago de Chile Instituto Agrario de		Schweizerische Zeitschrift fur Obst-	
Rural Land Act (Rhodesia)	108568	Estudios Economicos	35441	und Weinbau	96312
Rural Missions Cooperating Committee	56740	Sao Paulo Instituto Biologico		Schweizerischer Alpwirtschaftlicher	
Rural Resource Development Program		Fundo de Pesquisas	109261	Verein	8144 17093
(Alabama)	45713 76204	Sao Paulo (State) Dept da Producao		Schweizerischer Ausschuss fur Textil-	
Rural Sociological Society	87361	Vegetal		dokumentation	15820
Rural Wales	17125	Div de Economia Rural	86894	Schweizerischer Bauernverband SEE	
Rural Youth of the United States of		Sao Paulo (State) Dept de Estatistica do		Union Suisse des Paysans	
America	46244	Estado	15500	Schweizerischer Braunviehzuchtverband	
Russian SFSR Tsentral'noe Statisticheskoe Upravlenie	66362 74554	Sao Paulo (State) Instituto Agronomico		Herdbuchstelle fur Braunvieh	82014
Rutgers University	8427	(Campinas)	27240	Schweizerischer Forstverein	30121
Rutti-Zollikofen Bernische Molkereischule	65026	Sao Paulo (State) Secretaria da Agricultura		Schweizerischer Geflugelzuchtverband	
Ryukyu Development Loan Corporation	66425	Dept da Producao Animal	7110	93509	
Ryukyu Islands High Commissioner	16739	41395		Schweizerischer Kaserei- und Molkerei-Kalender	54481
Ryukyu Islands (U S Civil Admin)	106742	Sarah P Duke Gardens (Durkham N C)		Schweizerischer Landwirtschaftlicher Verein	17094 27128 27133
		SEE Durkham (N C) Sarah P Duke Gardens		Pflanzenbau Kommission	94001
		Sarajevo Universitet		Schweizerischer Obstverband	44575
		Sumarski Fakultet	57415	79491	
		Saratov Saratovskii Gosudarstvennyi Zootehnicheskoi-Veterinarnyi Institut		Schweizerischer Traktorverband	53865
		61874		84628 95949 106408	
		Saratovskaya Opytnaya Stantsiya	101118	Schweizerischer Weinbauverein	49124
		Sarawak Dept Agriculture	26690 67497	65001 85157 96312 96319	
		Sarawak Forest Dept	30163	96321 106842	
		Sardinia Assessorato Industria e Commercio	64929	Schweizerisches Bauernsekretariat	
		Saskatchewan Dept of Agriculture	16843	6253 6527 34220	
		79343 98463		Science Association of Nigeria	46527
		Family Farm Improvement Br	106535	Science in Progress	930
		Saskatchewan Dept of Co-operation and Co-operative Development	27162	Science of Dairy Technology	44267
		46329		Scisciano Centro Assistenza Tecnica	87411
		Saskatchewan Dept of Industry and Information	76188	Scotland Dept of Agriculture and Fisheries	6073 20181 76928
		Saskatchewan Dept of Natural Resources Forestry Br	40450	86609	
		Saskatchewan Farmers Union	76678	Scottish Standing Committee on Residual Values of Fertilizers and Feeding Stuffs	67018
		87552		Scotland Home and Health Dept	56880
		Saskatchewan Forest Products	51162	96174	
		Saskatchewan Milk Control Board	44331	Scottish Agricultural Organisation Society	87553
		Saskatchewan Technical Institute	108758	Scottish Association of Young Farmers' Clubs	67228
		Saskatchewan University	16842	Scottish Horticultural Research Institute	
		Farm and Home Week	108326	SEE Auchincruve Scottish Horticultural Research Institute	
		Saskatchewan Wheat Pool	25723	Scottish Plant Breeding Station SEE Roslin Scottish Plant Breeding Station	
		34933 48741		Scottish Society for Prevention of Cruelty to Animals	12772 61935
		Sassari Facolta di Medicina Veterinaria	61705	Screw-worm Eradication Program SEE Southwest Screw-worm Eradication Program	
		S A T E C SEE Societe d'Assistance Technique et de Credit Social d'Outre-Mer		Seale-Hayne Agricultural College	56847
		Schering AG	99239	Sears Roebuck Foundation	57118
		Schleswig-Holstein Ministerium fur Ernahrung Landwirtschaft und Forsten		Selig A Ichneumonides de Madagascar	95355
		75000		Selskapet for Norges Vel	19469 109035
		Schlick Memorial Award	17419	Selskapet ny Jord	102228
		Schneider (Dieter)	66314	Seminar on Cost and Return Ratios for Major Agricultural Products	87209
		School Milk Program SEE Special School Milk Program		Seminar on Materials and Construction of Farm Buildings	74180
		Schweizer Messe fur Land- und Milchwirtschaft	27106	Seminar on Research Perspectives and Problems of Agrarian Reform and Economic Growth in Developing Countries	76509
		Schweizerische Arbeitsgemeinschaft der Bergbauern	45928 67227	Seminar on River Basin Planning	60667
		Schweizerische Entomologische Gesellschaft	63368	Seminar on Stomata and Water Relations in Plants	100463
		Schweizerische Gesellschaft fur Analytische und Angewandte Chemie	74355	Seminario Sobre Cacao (Bogota)	85158
		Schweizerische Gesellschaft fur Vererbungsforschung	83990	Senbai Jigyo Kyokai	97493
		Schweizerische Herdbuchstelle fur Simmentaler Fleckvieh	3404	Servants of India Society	46255
		Schweizerische Herdebuchkommission fur Simmentaler Fleckvieh	22020	Service d'Exploitation Industrielle de Tabacs et d'Allumettes	59447 66284
		Schweizerische Kynologische Gesellschaft	41736	66285 66286	
		Schweizerische Milchkommission	6350	Service Vaudois de Vulgarisation Agricole	82340
		Schweizerische Vereinigung fur Freiwilligen Land- und Arbeitsdienst	26566 45608 108208	Servicio Tecnico Interamericano de Cooperacion Agricola	54691
		Schweizerische Vereinigung fur Innenkolonisation und Industrielle Landwirtschaft	66974	Seven-Year Plan	16702 56245
				66368 76199 80860	
Saatguterzeugergemeinschaft (Hanover)	39338 39419 39421				
Sacramento County-Yolo County (Calif)					
Mosquito Abatement District	94205				
Saint-Hyacinthe (Canada) Institut de Technologie Agricole	56824				
Saint Lawrence Seaway	17200 34927				
St Louis Merchants' Exchange	65746				
St Louis (Mo) Botanical Garden	57475				
St Maurice Forest Protective Association	81225				
Sakai Sericultural Cooperative	46626				
Salon International de la Machine Agricole	95731 106232				
Salt Lake City Mosquito Abatement District	94208				
Samchiki Khmel'nyts'ka Derzhavna Sil's'kohospodars'ka Doslidna Stantsiya	29617 36592				
Samvirkende Danske Husmandforeninger					
Udvalget for Stambogsforing	3401				
22019 31127 31128					
Udvalget for Stambogsforing for Heste af Fjorderacen	104088				
Samvirkende Danske Landboforeninger					
16552					
Udvalget for Stambogsforing	3401				
22019 33127 33128	71959				
Udvalget for Stambogsforing for Heste af Jydsk Race	72467				
Samvirkende Jydske Husmandsforeninger					
Driftsokonomiudvalget	66943				
Husdyrbrugsudvalget	81920				
Husholdningsudvalget	67430				
Planteavludvalget	79101				
Ungdomsudvalget	56918				
Samvirkende Kvaegavlsforeninger med Kunstig Saedoverforing	92236				
Samvirkende Landboforeninger i Fyns Stift					
Regnskabsudvalget	66944				
Samvirkende Sjaellandske Husmandsforeninger	61934				
Husdyrbrugsudvalget	103404				
Samvirkende Sjaellandske Landboforeninger	98462				
Planteavludvalget	100756				
San Dimas Lemon Association	15978				
San Joaquin County (Calif) Dept of Agriculture	44130				
Sanshu Gen-Sanshu Kenkyushitsu-Cho Uchiwase-Kai	53112				
Sanshu Kenkyu-Shitsu Choda Gokai	63803				
Santa Barbara (Calif) Botanic Garden	8618 88190				



Item	Item	Item
Seville Instituto de la Grasa y sus Derivados 16331 107743	Societe Cooperative Beurriere des Vallees d'Elle et Vire 74965	Soil Bank Program 26716 66725
Seychelles Dept of Agriculture 17289	Societe d'Assistance Technique et de Credit Social d'Outre-Mer 8119	SEE ALSO Conservation Reserve Program
S'iezd Kommunisticheskoi Partii Sovetskogo Soyuza 35828	Societe d'Economie Mixte d'Etudes de la Communaute de la Loire 40229	Soil Conservation and Domestic Allotment Act 1964 67051
Shan-tung Sheng t'o La Chi Hsiu P'ei Ch'ang Chi Chu K'o 106235	Societe d'Edition des Pates Papiers et Cartons Français 81515 102979	Soil Conservation Society of America 40329 40341 40346
Shelburne Cooperative Agriculture Society 27166 67259	Societe d'Encouragement de la Culture des Orbes de Brasserie en France 25564	Soil Science Society of America 59102 10284
Sheng Wei Nung Ts'un Kung Tso pu T'iao Ch'a Tsu 108210	Societe des Amis et Anciens Eleves de l'Ecole Nationale des Eaux et Forets 30124	Sonraku Shakai Kenkyu-Kai 66703
Shetland Pony Stud-Book Society 62599	Societe des Eleveurs de Bovins Canadiens 31135	SOPEXA SEE Societe pour l'Expansion des Ventes des Produits Agricoles et Alimentaires (SOPEXA)
Shiiku-Ho Dai-Ni Kenkyu-Shitsu 94612	Societe Forestiere de Franche-Comte et des Provinces d l'Est 50485	Sopron Erdeszeti es Faipari Egyetem 2848
Shinrin Keikaku Seido Kenkyukai 80878	Societe Francaise de Microbiologie 21922	Sopron Erdomornoki Foiskola Erdohaszalattani Tanszek 50504
Shinrin-Soku Yukai 80987	Sect de Microbiologie du Sol 70400	Sopronhorpacs Novenyemesito es Novenytermesztesi Kutatointezet 1671
Shokuryo Shinbunsha 64735	Societe Interprofessionnelle du Betail et des Viandes 97102	South African Agricultural Union 8148
Shorthorn Society of the United Kingdom of Gt Brit and Ireland 3407 22022	Societe Nationale de la Petite Propriete Terrienne 35967 98222	South African Angora Ram Breeders' Society 32196
51681 62028 71964 103493	Societe pour l'Expansion des Ventes des Produits Agricoles et Alimentaires (SOPEXA) 6083	South African Council for Scientific and Industrial Research National Food Research Institute 5978 6176
Shorthorn World 3408 103494	Societe pour le Financement et le Developpement de l'Economie Agricole 7651	South African Creameries' Association 74727
Shropshire Farm Institute (Walford England) 67174	Societe Royale d'Entomologie de Belgique 4629	South African Institute of Refrigeration and Air Conditioning 6178
Siena Camera di Commercio Industria e Agricoltura 46213	Societe Royale Forestiere de Belgique 80953	South African Lumber Millers and Shook Manufacturers Association 40792
Sierra Leone Produce Marketing Board 34748 106632	Societe Royale le Cheval de Trait Belge 31659	South African Lumber Millers' Association 102931
Sindacato dei Veterinari Dipendenti ed ex Dipendenti degli Enti Locali 3278	Societe Royale Saint-Hubert 3778	South African Medal and Grant 98494
Sindacato Italiano Veterinari Igienisti 103337	Societe Scientifique d'Hygiene Alimentaire et d'Alimentation Rationnelle 27316 67426	South African Public Library (Cape Town) 46768
Sindicato Nacional de Ganaderia (Spain) 61936	Societe Veterinaire Pratique de France 31004 81860	South African Regional Committee for the Conservation and Utilization of the Soil 10507
Sindicato Nacional del Olivo (Spain) 7329	Societies d'Amenagement Foncier et d'Etablissement Rural 79844 87231	South African Sugar Association Experiment Station 10550 11296
Singapore Botanic Gardens Dept 46765	Society for Analytical Chemistry 40377	48990
Singapore Chamber of Commerce 8282	Analytical Methods Committee 54740	South African Sugar Technologists Association 55938
Skandinaviska Kreatursforsakringsbolaget 97635	Additives in Animal Feeding Subcommittee 34496 54739	South African Sugar Year Book 35365
Skara Journal 81767	Society for Experimental Biology 67500	South African Veterinary Medical Association 31005 31006
Skaraborgs Lans Hushallningssallskap 57202	Society for General Microbiology 38417	South African Wool Commission 15869 15870 54891
Skierniewice Instytut Sadownictwa Zaklad Pszczelnictwa 5013	Society for the Study of Fertility 71604	South African Wool Textile Research Institute 6675
Skinner's Wool Trade Directory of the World 6674	Society of American Foresters 21070	South Arabia Protectorate Dept of Agriculture 76929
Skogbrukets og Skogindustrienes Forskningsforening 40746	60847 60850 80798 80856	South Asia Science Co-operation Office 27591a
Skogserforbundet 80786	Award 57312	South Australia Dairy Produce Board 85239
Skogreaktarfelags Islands 30123 60849	Committee on Forest Mensuration Problems 2743	South Australia Dept of Lands 17291
Sligo County (Ireland) Committee of Agriculture 17290	New York Sect Committee on Insect and Diseases 99243	South Australia Dried Fruits Board 75347
Small Animal Health Centre (Kennett) SEE Animal Health Trust (Gt Brit) Small Animal Health Centre (Kennett) 8402 93932	Society of Border Leicester Sheep Breeders 72761 93593	South Australian Dairymen's Association 85240
Smithsonian Institution 8402 93932	Society of Chemical Industry Food Group 54327	South Carolina Agricultural Experiment Station 20540 25539 26002 26701
Smola Forsoksgarden Moldstae 35833	London Plastics and Polymer Group 26212	26702 26703 34351 50044
Snoqualmie National Forest 50552	Society of Dairy Technology 24785	77119 82341 82342 82877
Sociedad Agronomica de Chile 7798	44267	83115 106745 107416 107695
79195 79196	Society of European Nematologists 88915	109268
Sociedad Cooperativa de Tamberos de la Zona de Rosario 34370	Society of Foresters of Gt Brit 81074	Dept of Agricultural Economics 85067---85070
Sociedad de Medicina Veterinaria (Chile) 31002	Society of Indian Foresters 40425	Edisto Experiment Station (Blackville) 82342
Sociedad Explotadora de Tierra del Fuego 86113	Society of Protozoologists 27417	South Carolina Clemson Agricultural College 80918 82341 82877 83115
Sociedad Nacional Agraria (Peru) 97041	Society of Rubber Industry (Japan) 86398	Extension Serv 76645
98221	Sockernaringens Samarbetskommitte 28758	Extension Cotton Committee 54916
Sociedad Venezolana de Ginecologia e Inseminacion Artificial 12724	Sodermanlands Lans Hushallningssallskap 57204 57205	South Carolina Crop Reporting Serv 85067---85070
Sociedade Rural Brasileira 54453	Sofia Tsentralen Veterinaren Institut za Zarazni i Parazitni Bolesti 30876	South Carolina Dept of Agriculture 26704
Societa Entomologica Italiana 93926	SOFIDECA SEE Societe pour le Financement et le Developpement de l'Economie Agricole	South Carolina State Commission of Forestry 50549
Societa Italiana delle Scienze Veterinarie 31003	Soil and Crop Science Society of Florida 2090	South Carolina State Development Board 16749
Societa Italiana di Fitoiatria 99242		Agriculture and Internal Industries Div 16749
Societa Italiana di Genetica Agraria 27764 36417		South Dakota Academy of Science 98467
Societa Italiana per lo Studio delle Sostanze Grasse 86321		
Societa Italo Americana Prodotti Antiparassitari 27233 27233a		
Societas pro Fauna et Flora Fennica 17556 27564		
Societe Belge d'Extreme-Orient 15501		
Societe Belge de Zymologie Commission de Bacteriologie Alimentaire 64769		
Societe Commerciale Anversoise 15501		



Item	Item	Item
South Dakota Agricultural Experiment Station 24265 25076 26200 57398 65875 86354	Soveshchanie po Organizatsii Nauchno-Issledovatel'skoi Raboty v Oblasti Semenovodstva Semenovedeniya i Kontrol'no-Semennogo Dela 10300	Stowarzyszenie Inzynierow i Technikow Mechanikow Polskich 53608
Central Substation (Highmore) 20574	Soveshchanie po Voprosam Ozeleneniya Gorodov i Poselkov Krainego Severa 10855	Stowarzyszenie Inzynierow i Technikow Rolnictwa 35562
Northeast Research Farm (Watertown) 69364	Sovet Ekonomicheskoi Vzaimopomoshchi SEE Council for Mutual Economic Assistance	Studiekring voor Ecologie en Fenologie 28209
South Central Research Farm (Presho) 69365	Soybean Growers of America 107716	Stuttgart Chemische Landesuntersuchungsanstalt 106579
South Dakota Agricultural Extension Serv 44255 45235 77545	Sozialistische Einheitspartei Deutschlands 16554	Stuttgart Institut fur Landwirtschaftliche Beratung 108753
South Dakota Crop and Livestock Reporting Serv 44132 54371	Spain Consejo Superior de Investigaciones Cientificas 46682	Stuttgart Landesanstalt fur Pflanzenschutz 90725
South Dakota State College of Agriculture and Mechanic Arts	Spain Direccion General de Aduanas 87702	Substral Award 36527
Animal Health Laboratory 81772	Spain Direccion General de Montes Caza y Pesca Fluvial 80880	Substral Science Prize 67513
Extension Serv 67189 69441 69590 107629	Spain Instituto de Edafologia y Fisiologia Vegetal 60278	Sudan Almanach 16753
South Dakota State Soil and Water Conservation Committee 11816	Spain Instituto de las Grasas y sus Derivados 55643	Sudan Central Off of Information 16753
South Devon Flock Book Association 22771	Spain Instituto Nacional de Estadistica 15502 64930	Sudan Dept of Statistics 27269 44134 74556 76823 108888
South Holland (Province) Provinciale Gezondheidsdienst voor Dieren 41372 92058	Spain Instituto Nacional de Investigaciones Agronomicas 65426 97775	Sudan Forest Dept 21095
South Island Dairy Association (New Zealand) 96481	Spain Ministerio de Agricultura 60914 65517 66556 44133	Suddeutscher Molkerei- und Kasereialdress-Kalender 54482
South London Entomological and Natural History Society 93933	Serv de Estadistica 40478 45730 97776	Sudtiroler Bauern-Kalender 27422
South Pacific Commission 14180	Spain Serv de Concentracion Parcelaria 67021	Suffolk County (N Y) Mosquito Control Commission 94230
Plant Introduction and Exploration Serv 77137	Spain Serv Nacional del Trigo 97013	Suffolk Sheep Society 82759 93594
South Queensland Egg Marketing Board 45251	Special Libraries Association Washington D C Chapter 67190	Suffolk Sheep Year Book 82759
South R Moths of the British Isles 84133	Special School Milk Program 15607	Sugar Act of 1948
Southdown Sheep Society of New Zealand 82757	Spokane Bank for Cooperatives 97613	1962 amendments 7443 7450 76744
Southeastern Arabian Horse Association 92873	Stadt und Land SEE Verein "Stadt und Land" 41031 101834	Sugar Club Annual 26318
Southeastern Lumber Manufacturers Association 21488	Stanford Research Institute 41031	Sugar Industry Labour Welfare Board 26572
Southeastern Minnesota Farm Management Serv 16911	Stanley Clifford Milk Industry Award 17431	Sugar Industry Technicians 55941
Southeastern Poultry & Egg Association 35295	State Bank of Pakistan 56088	Sugar Research Foundation 55864
Southeastern Turfgrass Conference 79623	Dept of Research 26436 97778	Sugar y Azucar Yearbook 26319
Southern African Regional Committee for the Conservation and Utilization of the Soil 11779 11817 16967	State Brand Creameries 65111	Sunderbans Expedition 38
Sub-committee on Bush and Bush Encroachment 11105	State of Food and Agriculture 35585	Sunkist Grocers Marketing Research Dept 6944 96924
Sub-committee on Run-Off and Erosion Data in Southern Africa 11818	Statewide Cotton Committee of Texas 8429	Sunset Books 28781 29008
Southern Coffee Association 54405	Statistical Off of the European Communities 8283 17192 27262 67367 74555 76088 97681	Suomen Osuuskappojen Keskuskunta 27168 86914
Southern Corn Improvement Conference 48749	Steiermark Landeskammer fur Land- und Forstwirtschaft 17073	Super Market Institute 24440
Southern Pasture and Forage Crop Improvement Conference 48923	Stichting Bosbouwproefstation "De Dorschkamp" 50459	Superior National Forest 21414
Southern Pulpwood Conservation Association 41030 71044	Stichting Centrale Melkcontrole Dienst 31524	Surinam Algemeen Bur voor de Statistiek 36118
Southern Regional Rural Sociology Project S-44 76563	Stichting C L O- Controle 85543	Surinam Dept of van Landbouw Veeteelt en Visserij 27423 87882
Southern Rhodesia Dairy Marketing Board 85370	Stichting Landbouw Fysisch-Technische Dienst 8535	Surinam Dienst Landsbosbeheer 30166
Southern Rhodesia Dept of Lands 7974	Stichting Nederlands Graan-Centrum 69442---69444 86037	Surinam Landbouwproefstation 17487
Southern Rhodesia Div of Irrigation 20925	Stichting voor Bodemkartering 29637 101877	Sussex Cattle Society 62037 82020
Southern Rhodesia Forestry Commission 60892	Stichting voor de Nederlandse Vlasteelt en Vlasbewerking 28603---28605	Svensk Matpotatiskontrol 85799
Southern Rhodesia Land Settlement Board 7974	Stichting voor het Fokkerijwezen bij de Pluimveehouderij 93030	Svenska Agghandelsforbundet 16363
Southern Rhodesia Ministry of Water Development 70786	Stiftelsen Svenska Lantbruksvekan 46218	Svenska Betes- och Vallforeningen 38820
Southern Rhodesia Natural Resources Board 35994	Stockholm Jordbrukets Utredningsinstitut 7624 54372	Svenska Cellulosa Aktiebolaget 12360 51274
Southern Rhodesia Secretary for Internal Affairs and Chief Native Commissioner 35703	Stockholms Lans och Stads Hushallnings-sallskap 28432	Svenska Faravelsforeningen 13752
Southern Seedsman's Association 26236	Stockholm Skogs-och Lantbruksakademien 27421	Svenska Handelsbanken 108041
Southern States Cooperative 27167 46333 67246	Award 17369	Svenska Institutet for Konserveringsforskning 24551 96230
Southern Weed Conference 90719 90720	Stockholm Slakthus och Saluhallsstyrelsen 12773	Svenska Kennelklubben 22318
Southwest Screw-worm Eradication Program 23131	Stockholm Svenska Traforskningstinstitutet 30572 81418	Svenska Kontrollanstalten for Mejeriprodukter och Agg 106978 106979
Southwestern Social Science Association Agricultural Economics Sect 86588	Stockton (Calif) University of the Pacific 66370	Svenska Lantmannens Riksforbund 76930 57499
Soveshchanie po Bor'be s Gornoi Eroziei Pochv i Selevymi Potokami 30031	Stowarzyszenie Inzynierow i Technikow Lesnictwa i Drzewnictwa 70937	Svenska Linne-Sallskapet 57499
		Svenska Mejerienas Riksforening Centrallaboratorium 85336
		Ekonomiavdelningen 96660
		Svenska Mejerikalendern 34310
		Svenska Mosskulturforeningen 40142
		Svenska Tobaksaktiebolaget 45370
		Svenska Vallforeningen 38859
		Svenska Veterinarforeningen for Kott- och Mjolkhygien 81778
		Sveriges Allmanna Exportforening 87712
		Sveriges Froodlareforbund 86414
		Sveriges Jordbrukskasseforbund 76004 76005
		Sveriges Kronojagareforbund 40427
		Sveriges Lantbruksforbund 17292 98224
		Sveriges Potatisodlars Riksforbund 79729---79731 92855
		Sveriges Skogsagareforeningars Riksforbund 80840



Item	Item	Item
Sveriges Slakteriforbund 107630	23567	Symposium (Analytical) Self-actuated Devices and New Methods for Control 102297
Sveriges Utsadesforeningen 78235 78237 78240 89988	19462 78319	Symposium Applied Acarology 13975
Sveriges Veterinarforbund 31011	22361	Symposium Arizona Watershed 70461
Swaziland Dept of Land Utilization	8405	Symposium Arthropods in Relation to Blood Parasites Especially Those of Wild Animals 14067
Sweden Domanstyrelsen	30167	Symposium Aspects of Disease Transmission by Ticks 94044
Sweden Kontrollnamnden	103939	Symposium Barley Growing and Breeding in Europe 79141
Sweden Lantbruksstyrelsen 104091	7959	Symposium Basic Questions of Systematics on Nomenclature 14408
Sweden Riksdagsbiblioteket	66709	Symposium Basis for Expressing Amino Acid Requirements and Efficiency of Protein Utilization by Poultry 62751
Sweden Savjautredningen	39879	Symposium Biologists for Space Systems 98713
Sweden Skogsarronderingsutredningen	30232	Symposium Bread and Its Nutritive Value 67445
Sweden Skogsstyrelsen	30193	Symposium Cellular Membranes in Development 99942
Sweden Statens Centrala Frokontrollanstalt 7430 26237	55817	Symposium Chemicals in Modern Food and Fiber Production 34161
Sweden Statens Hingstdepa och Stuteri	22392	Symposium Climatic Factors and Agricultural Productivity 89717
Sweden Statens Jordbruksnamnd	40378	Symposium Crop Production in a Weed-Free Environment 49411
Sweden Statens Lantbrukskemiska Kontrollanstalt	98469	Symposium Cytodifferentiation and Macromolecular Synthesis 78154
Sweden Statistiska Centralbyran 30475 34221 34222	36023	Symposium de Patologia Aviar 72664
Sweden Svinstamkontrollen	96191	Symposium Defects for Which the Majority of [Sugarcanes] Seedlings are Discarded During Selection 48994
Sweet Pea Annual	39257	Symposium Delayed Implantation 81750
Swift and Co		Symposium Diffusion Versus Milling [in Sugar Cane Industry] 55942
Agricultural Research Div 86116		Symposium Dynamic State of Milk 65093
Dept 86198		Symposium Education in Cellulose Wood and Fiber Chemistry 51321
Law Dept 54216		Symposium Education of Dairy Leaders in Latin America 24788
Switzerland Direction Generale des Douanes SEE Switzerland Eidgenossische Oberzoll-Direktion		Symposium Effects of Chemical and Biological Control Measures on Soil Micro-organisms 90950
Switzerland Eidgenossische Anstalt fur das Forstliche Versuchswesen (Birmensdorf) 21064		Symposium Enzymes in Soils 70403
Switzerland Eidgenossische Inspektion fur Forstwesen Jagd und Fischerei 40454		Symposium Epidemiology of Salmonellosis 31013
Switzerland Eidgenossische Kommission fur Volksernahrung Lebensmittelsatzgebung und -Kontrolle 24473		Symposium Exploration in Future Food-Processing Techniques 34172
Switzerland Eidgenossische Oberzoll-Direktion 27270 27271 36283		Symposium Feeding Patterns and Their Biochemical Consequences 67425
67371 108889		Symposium Feigl Anniversary on Analytical Chemistry (International) 54712
Switzerland Eidgenossische Versuchsanstalt fur Obst- Wein- und Gartenbau Wadenswil 96312		Symposium Flora Europaea 36702
Switzerland Eidgenossisches Institut fur Schnee- und Lawinenforschung 21342 102783		Symposium Food Fats and Atherosclerosis 17210
Switzerland Eidgenossisches Statistisches Amt 8052 17009 20744 27043 46066 46067 50584 54373 56730 67072 67073 91478 98089---98091		Symposium for Farm Editors 60522
Bibliothek 35707		Symposium Forest Fertilization in Canada 61061
Switzerland Gutsverwaltung und Landwirtschaftliche Versuchsanstalt Liebefeld-Bern 61681		Symposium Formation of Wood in Forest Trees 100019
Switzerland Inspection Federale des Forets Chasse et Peche SEE Switzerland Eidgenossische Inspektion fur Forstwesen Jagd und Fischerei		Symposium Future of Natural and Synthetic Rubbers 16377
Switzerland Stations Federales d'Essais Agricoles 59134		Symposium Future of the National Cooperative Dairy Herd Improvement Program 62038
Sydney University		Symposium Galapagos Islands a Unique Area for Scientific Investigations 98455
Food Additives Research Project 24476		Symposium Harnessing the Niger 40292
Poultry Husbandry Research Foundation 13601		Symposium Homestead Centennial 35986
Symposium uber Aktuelle Fragen der Chemie und Technologie des Zellstoffes 61567		Symposium How Useful is the Basic Research Program to Economic Entomology 4672
Symposium A Look at United States Foreign Service in Dairy Research and Education 24789		Symposium Hydrology and Land Management 50392
Symposium Advances in Enzymic Hydrolysis of Cellulose and Related Materials 41142		Symposium Influence of the Environment on the Epidemiology of Mycoses 71819
Symposium Agricultural (International Business Machines Corp) 76370		Symposium Insect Acoustics 14403
Symposium Amphitropical Relationships in the Herbaceous Flora of the Pacific Coast of North and South America 67774		Symposium Insect Life in the Metropolis 14406
		Symposium Insect Microbiology 73500
		Symposium Insecticide Resistance 13974
		Symposium Insects and Genetics 42893
		Symposium Insects as Indicators of Paleocology 42358
		Symposium Land and Water Use 8034
		Symposium Linear Programming Applied to Wood Procurement 21629
		Symposium Long-Range Displacements and Migration of Flying Insects 14404
		Symposium Marine Distribution 99752
		Symposium Meat Tenderness 35013
		Symposium Mechanism of Enzyme Action 62170
		Symposium Milk Composition 65094
		Symposium New Approaches to Pest Control and Eradication 23025
		Symposium New England Tanners 65930
		Symposium Nutrition Fallout Food and Man 96167
		Symposium Odonata 14994
		Symposium of the Society for Experimental Biology 67500
		Symposium of the Society of European Nematologists (International) 88915
		Symposium on Abnormalities and Defects in Pedigree Dogs 52054
		Symposium on Advances in Gas Chromatography 84800
		Symposium on Agronomy of Tropical Oil Plants 79368
		Symposium on Animal Orientation 14388
		Symposium on Anthropogenous Vegetation (International) 557
		Symposium on Apicultural Pathology 83667
		Symposium on Ascorbic Acid 76873
		Symposium on Biochemical Bases of Morphogenesis in Fungi 100729
		Symposium on Biological Organization at the Cellular and Supercellular Level 63821
		Symposium on Biosystematics 17598
		Symposium on Bovine Mastitis Control 103883
		Symposium on Cankers of Forest Trees 47399
		Symposium on Changes of Climate 8517
		Symposium on Clinical-Endocrinological Aspects in Veterinary Medicine 51470
		Symposium on Collagen (International) 107589
		Symposium on Current Status of Agricultural Statistics and Tasks Ahead 85071
		Symposium on Economic and Social Problems of the Far East 45447
		56052
		Symposium on Energy Metabolism 61751
		Symposium on Enology (International) SEE Symposium on Oenology (International) 51470
		Symposium on Environmental Control of Plant Growth 18893
		Symposium on European Acarology 23562
		Symposium on Evaluation of Tropical Habitat for Production of Food Fodder Fuel and Fertilizers 58188
		Symposium on Fatliquoring 25954
		Symposium [on Fats] 86321
		Symposium on Feed Additives and Significance of Their Residues in Animal Tissues 55504
		Symposium on Fertilizer Bulk Blending 102337
		Symposium on Fish Microbiology 97527
		Symposium on Food Additives (International) 6131
		Symposium on Food Microbiology 64768
		Symposium on Food Precooling 15462
		Symposium on Food Protection (International) 44051
		Symposium on Forage Utilization 68700
		71987 72062
		Symposium on Foraging and Feeding Behavior 32987
		Symposium on Free Amino Acids 59081
		Symposium on Genetics and Breeding of Wheat (Hungary) 37913
		Symposium on Gnotobiotic Technology 104195
		Symposium on Gregarious Behavior in Insects 14347



	Item
Symposium on Growth	71839
Symposium on Hydrology and Land Management	50392
Symposium on Insect Ecology	73501
Symposium on Insect Polymorphism	14395
Symposium on Insect Reproduction	94661
Symposium on Instrumental Methods of Analysis	43946
Symposium on Instrumentation for the Detection and Determination of Pesticides and Their Residues in Foods	106580
Symposium on Instrumentation in the Sugar Industry	16464
Symposium on Interactions Among Host Plants, Plant Viruses, and Insect Vectors	23077
Symposium on Isotope Techniques in Soil Physics and Geohydrology	101681
Symposium on Lubrication of Skins to be Plate Dried	107660
Symposium on Metabolism of Herbicides	28215
Symposium on Methodology of Fats and Oils	7333
Symposium on Microbial Aspects of Leather and Fabrics	97091
Symposium on Microbial Digestion in Ruminants	81806
Symposium on Molecular Architecture of Wood	21720
Symposium on Nematology	77979
Symposium on Nondestructive Testing of Wood	81575
Symposium on Numerical Taxonomy	88244
Symposium on Nutrition	103139
Symposium on Nutrition Forages and Pastures	71615 72771 103143
Symposium on Oenology (International)	24652 44182 74660 85115
Symposium on Oilseed Protein Foods (International)	97215
Symposium on Perspectives of Biochemical Plant Pathology	77597
Symposium on Photomorphogenesis in Plants	78212
Symposium on Phytiatry and Phyto-pharmacy (International)	27022
Symposium on [Plant] Disease and Fungus Physiology	77679
Symposium on Pollination (International)	9816
Symposium on Problems of Cultivation and Breeding of Roses in the Communist Countries (International)	1889
Symposium on Problems of Recultivation of Heaps and Dumps (International)	49914
Symposium on Protein Structure and Crystallography (International)	84801
Symposium on Quelea (CCTA/FAO)	8914
Symposium on Research Animal Housing	104219
Symposium on Rice Problems	38776
Symposium on Root Diseases of Forest Trees	9143
Symposium on Rural Redevelopment in Canada	26689
Symposium on Seaweed Research (International)	88475
Symposium on Simian Malaria	42550
Symposium on Southern Forests and Southern People	102383
Symposium on Space Microbiology	88197
Symposium on Statistical Genetics and Plant Breeding	27770a
Symposium on Strip-mine Reclamation	91018
Symposium on Temperature Acclimation (International)	12627
Symposium on the Chemistry of Natural Products (International)	89847 109002
Symposium on the Detection and Use of Tritium in the Physical and Biological Sciences	31264
Symposium on the Future of Wool	25231

	Item
Symposium on the Growth and Development of the Lower Archegoniate Plants	672
Symposium on the Influence of Heating on Foods	54308
Symposium on the Minor Nutrients in Soils	60363
Symposium on the Preparation of Future Canadian Forest Managers	2711
Symposium on the Problems of Measuring Labor Productivity in the Agricultural of the Socialist Countries (International)	76047
Symposium on the Rice Blast Disease	37251
Symposium on the Role of Food in World Peace (International)	33961
Symposium on the Survival of Bacteria	43947
Symposium on the Systemic Mycoses of Animals	3283 3284
Symposium on the Technical Carrying Out of Continuous Pasteurization and Sterilization of Foods	24552 24553
Symposium on the Technical Performance of Continuous Pasteurization and Sterilization of Foods	74530 106721
Symposium on the Use and Application of Radioisotopes and Radiation in the Control of Plant and Animal Insect Pests	105061
Symposium on the Use of Radioisotopes in Soil-Plant Nutrition Studies	48438
Symposium on Tropical Soil Resources	20555
Symposium on Utilization of Grass by Ruminants	61685 71648
Symposium on Westland Farming	35836
Symposium on Wine Clarification	54454
Symposium on Wood Destruction by Fungi (International)	12283
Symposium on Wooden Marine Piling	102922
Symposium Orientation of Insects to Their Host Plants	42894
Symposium Plant Tissue and Organ Culture	27591a
Symposium Plants and the Migrations of Pacific Peoples	77200
Symposium Plecoptera	14993
Symposium Pleuropneumonia-like Organisms as Agents of Human and Animal Diseases	71817
Symposium Population Dynamics of Agricultural and Forest Insect Pests	73501
Symposium Practical Control Measures for Sugar Cane Diseases	47176
Symposium Probleme der Rinder- und Schweinehaltung	51964
Symposium Problems Associated with the High Producing Dairy Cow	31451
Symposium Problems of Nutrition Through Frozen Foods	24554
Symposium Range Research Methods	48914
Symposium Recent Advances in Acarology	53165
Symposium Renewable Animal Resources (Germ Plasm)	103505
Symposium Rhizobium and its Symbiosis with Leguminous Plants	80123
Symposium Soil Arthropods	14405
Symposium Some Aspects of Jack Pine Management	71169
Symposium Some Aspects of Research on the Nutrition of Ruminants	41553
Symposium Special Methods in Lipid Chemistry	45191
Symposium Symbiotic Associations	38417
Symposium Taxonomy of Entomophagous Insects	14407
Symposium Technical Training for the Food Industry	54327
Symposium Techniques in Parasitology	61721

	Item
Symposium The Changing Role of the Veterinarian in the Modern World	31012
Symposium The Economic Status of Pests	13983
Symposium The Virulence of Staphylococci	71818
Symposium Transmission of Disease by Ticks and Other Acarina	14066
Symposium Ultrastructure of Protein Fibers	25136
Symposium Vulcanicity and Vegetation in the Rotorua District	47694
Symposium What's Ahead in Feed Handling	96669
Symposium What's New in Meat and Poultry Inspection	107650
Symposium Wisconsin Tanning	65950
Symposium Wood Chemistry (Canada)	21703
Symposium Young Sire Selection for Commercial Artificial Insemination	62039
Symposium Faunistyczne	103306
Symposium Nematologii	99720
Syndicat des Industriels de la Cote d'Ivoire	44102
Syndicat General de l'Industrie Cotonniere Francaise	25259 44516
Syracuse University Research Corporation Microbiological and Biochemical Center	73113 74452
Syria Cotton Bur	44517
Syrian Arab Republic Directorate of Statistics	87713
Szeged Delalfoldi Mezogazdasagi Kiserleti Intezet	36593
Tacuinum Sanitatis	20337
Tag der Afrika Forschung	35621
Tagung der Landmaschinen-Konstrukteure	64312 64313
Taipei Hydraulic Laboratory	40294
Taiwan Fertilizer Co Chingtsun Chiang Fertilizer Research Sect	11297
Taiwan Inspectorate General of Customs	27272
Taiwan National Central Library	7805
Taiwan Nung Yeh P'u Ch'a Wei Yuan Hui	106747 106756
Taiwan Sugar Corporation	7453
Taiwan Sugar Experiment Station	75845
Ta Kung Pao She	97779
Tall Timbers Fire Ecology Conference	50816
Tammistoy Hankkijan Kasvinjalostuslaitos	1456
T'ang S W Cheng Lai Pen Ts'ao	57455
Tanganyika Agricultural Corporation	16754
Tanganyika Coffee Growers' Association	24718
Tanganyika Dept of Agriculture	27424
Tanganyika Land Div	16854
Tanganyika Lint & Seed Marketing Board	65344
Tanganyika Ministry of Agriculture	35714 101013
Pasture Research Station (Kongwa)	101013
Water Development and Irrigation Div	11784
Tanganyika Ministry of Lands Forests and Wildlife	16854
Survey Div	16996
Valuation Div	16607



Item		Item		Item	
Tanganyika Sisal Growers Association	34628	Tennessee Dept of Agriculture		Timber and Plywood Annual	91700
Tanners Council of America	16255	Div of Plant Industries	45399	Timber Research and Development Association	21443 51099 71448
Tanners' Production Club of Wisconsin	65950	Tennessee University			91696 91701
TAPPI SEE Technical Association of the Pulp and Paper Industry		College of Agriculture and Home Economics		Timber Trade Federation of the United Kingdom	81285
Tashkent Nauchno-Issledovatel'skii Institut po Khlopkovodstvu	80615	Extension Serv	29359 32800	Timber Yearbook and Diary	40882
Tasmania Dept of Agriculture	82346	36121 36341 36342	58830	Timber Trades Journal	12316 51036
	82347	59292		Timiryazevskaya Sel'skokhozyaistvennaya Akademiya	
Entomology Div	105230	Teollisuuden Keskuslaboratorion	102982	Lesnaya Opytnaya Dacha	40525
Plant Pathology Div	47400 99659	Texas Academy of Science	109041		70933
Registrar of Brands	3335	Texas Agricultural and Mechanical College System	27111 76649	Tobacco Associates	55982
Sheep and Wool Br	52494	Texas Agricultural and Mechanical University	27622 44409	Tobacco Industry Hall of Fame	67568
Tasmania Forestry Commission	80881	Extension Serv	38808	Tobacco Industry Trust Account	16487
Tasmania Statistician	6255	Texas Agricultural Aviation Conference		Tobacco Trade Year Book and Diary	26357
Tata Industries Private	15503		53873 53874	Tochi Seidoshi Gakkai	16756
Tatrzenski Park Narodowy	36752	Texas Agricultural Experiment Station		Tocklai Experimental Station	39628
	38857	4896 6408 20191	20516	Tohoku University	
Taylor Grazing Act	19674	34351 34740 49386	50044	Faculty of Agriculture	
Tea Research Institute of Ceylon	39600	59893 59894 60040	60242	Kawatabi Farm	56518
	101627	72333 79207 79917	82022	Tokai-Kinki National Agricultural Experiment Station	
Tea Research Institute of East Africa		90072 90198 90988	91173	First Agronomy Div	58901
	11157 49541	Southwestern Great Plains Field Station (Bushland)	20557	Tokyo Institute for Research in Cooperative Management	17115
Technical Alfalfa Conference	48910	Substation No 15 (Weslaco)	27618	Tokyo Metropolitan University	
Technical Assistance Programs	26604	Substation No 16 (Iowa Park)	46677	Makino Herbarium	77174
26673 26712 45669	55678	Substation No 17 (El Paso)	27627	Tokyo National Institute of Nutrition	87779
56047 56352 66615	66713	Substation No 18 (Prairie View)	8538	Tokyo Norin Gyogyo Sogo Taisaku Kyogikai	64931
66719 76212 76713	86900		36597	Tokyo Ringyo Koshujo	30138*
98140 108257 108274	108301	Substation No 19 (Crystal City)	36590	Tokyo University	
108353		57394		School of Veterinary Medicine	
Angola	7778 7779	Substation No 20 (Stephenville)	67666	Dept of Surgery and Pathology	41794
Asia	66548 86846	67667		Tokyo University Forests	40515*
Austria	97767	Substation No 21 (Gonzales)	93408	Research Sect	40725
Brazil	66723	Texas and Southwestern Cattle Raisers Association	51994	Tomato Genetics Cooperative	58379
China	86866	Cattle Feeders Div	55464	Tomsk Gosudarstvennaya Sel'skokhozyaistvennaya Opytnaya Stantsiya	88098
Colombia	66689	Texas Angus Association	92229	Tonga Dept of Agriculture	57208
conference and congresses	45735	Texas Christian University	51979	Tongariro National Park (New Zealand)	78044
56337 76211		Texas Citrus & Vegetable Growers & Shippers	25293 25332 25333	Torfforschung Incorporated	70844
developing areas	7745 8257	Texas Cotton Ginners' Association	75148	Toronto University	70885
56866 97718 97767	108328	Texas Dept of Agriculture	16396	Faculty of Forestry	11903
Ecuador	86925		35336	Torrey Research Station (Aberdeen Scot)	75927
Ethiopia	66632	Texas Education Agency		Toyama-Ken Chikusan Shiken-Jo	33633
Guadeloupe	8119 45707	Div of Vocational Education	17078	Trade Expansion Act of 1962	6780
Honduras	26979		17079	36296 46426 76738	98269
India	35632 86917 86918	Texas Experimental Ranch (Throckmorton County)	51811	108838	
Indonesia	38716	Texas Farm Electrification Committee	96069	Traill G W Algae Boreali-Americanae	57693
Iran	76590	Texas Forestry Association	60901	Transportation Act	106639
Italy	97870 108298 108323	Texas Rangers	103916	Tree Top	55135
Mexico	16721 108319	Texas Seed Directory	35336	Trieste Camera de Commercio Industria e Agricoltura	36288 67376
Near East	66615	Texas Sheep and Goat Raisers' Association	32313	Trieste Ufficio Provinciale di Statistica	7626
Nepal	26720	Texas Technological College		Trinidad and Tobago Central Statistical Off	36289 85074
Pakistan	76590 86917	Killgore Beef Cattle Center	82022	Trinidad and Tobago Coconut Research Limited	69718
Portugal	35725	Texas Turfgrass Conference	79626	Trinidad and Tobago National Planning Commission	56331
Sudan	7744	Texas University Cotton Economic Research	16335	Tri-State Packers	6929
Thailand	75478 108311	Texas Veterinary Medical Association	71822	Trondelag Myrselskap	27426
Turkey	76590	Textile Bag Industry	6580	Tropical Pesticides Research Institute (Kenya)	87886
Vietnam	75532	Textile Fiber Products Identification Act	25175	Tubingen Bundesforschungsanstalt fur Viruskrankheiten der Tiere	92081
Yemen	56253	Textile Institute	54902	Tucuman Estacion Experimental Agricola	28844 88099
Technical Association of the Pulp and Paper Industry	12393 61425	Textile Operating Executives of Georgia	15874	Tuinbouw gids	59470*
	61498 71478	Textile Research Institute	65347	Tung Industry Convention	65966
Gold Medal Award	67639	Thailand Dept of Agriculture	77239	Tung Research and Development League	65966
Technical Conference on Carcass Composition and Appraisal in Meat Animals	107571	Thailand Forest Dept	77228	Tunis Ecole Superieure d'Agriculture	64772
Technical Conference on Carcass Composition and Appraisal in Meat Animals and Meat Research Conference	107571	Thailand Ministry of Agriculture	61894	Tunisia Serv de la Production Vegetale et de la Defense des Cultures	94413
Technical Meeting on Plant Exploration and Introduction (Rome)	77232	Thailand Ministry of Agriculture directories	8406*	Turin Istituto Zootechnico e Caseario per il Piemonte	103408
Technique Laitiere	15606	Thailand Ministry of Agriculture Div of Agricultural Economics	15504		
Tehran Institute for Economic Research Iranian Agricultural Economic Research Group	76711	Thailand University	108311		
Tehran Universite d'Etat		Tharandt Hauptstelle fur Forstlichen Pflanzenschutz	83553		
Agricultural College	17080	Thomas Burr Osborne Medal	36448		
Tel Aviv National and University Institute of Agriculture	8105	Thoroughbred Breeders' Association	31661 92871		
Telemark Landbruksselskap	87884	Thoroughbred Record	41826		
Tennessee Academy of Science	98470				
Tennessee Agricultural Experiment Station	6408 20549 29611 32724 34351 39023 50044 58830 59292 101848 107459 109269				

Item		Item		Item	
Turkey Devlet Istatistik Enstitusu	17197	United Ghana Farmers' Council	46339	U S Bur of Reclamation	11790 29368
24586 87353		United Grain Growers	25759 34950	60689 60690	66863 80661
Turkey Ministere de l'Agriculture		86044		appropriations	60691 70793
Direction Generale des Affaires		United Merchandising Institute	6788	U S Bur of Ships	61409
Veterinaries		United Nations	17199 55100 56336	U S Bur of the Budget	109044
Sect de la Lutte Contre les Mala-		76828 87717		Div of Statistical Standards	77126
dies Contagieuses	61904	Bur of General Economic Research		U S Bur of the Census	6256 7335
Turkey Processors Seminar	75792	and Policies	74425 87718	8302 33600	36291 54376
Turkey World	35309	Dept of Economic and Social Affairs		57057 76023	87724---87727
Turkmenskii Nauchno-Issledovatel'skii		67087 76830 108045		106761 107200	
Institut Zemledeliya	70450	ECE/FAO Agriculture Div	74478	Industry Div	107779
Tuskegee Institute	3308	Economic and Social Council		U S Business and Defense Serv Admin	102847
Caryer Research Foundation	109270	Technical Assistance Committee	66719	United States Cane Sugar Refiners'	
Two-pool Scheme (Australia)	24958	Economic Commission for Africa		Association	16469
		74311 87719 87720 102348		U S Columbia Basin Inter-Agency Com-	
		105069		mittee	
		Economic Commission for Asia and		Economics Subcommittee	86595
		the Far East	39892 40304	U S Communicable Disease Center	14072
		67377 76831 76832 97579		U S Comptroller General	35490
		Economic Commission for Europe		U S Congress	66721
		51151 66720 74227 75276		House	
		76833 87115 87721---87723		Committee on Agriculture	24442
		96070 106524		26359 26360 26717 26718	
		Economic Commission for Latin		27429 34374 44972 45450	
		America	41405 56053 64694	45511 46423 47180 49950	
		76834		55375 55481 55983 66862	
		Interim Co-ordinating Committee for		67504 72879 75479 75964	
		International Commodity Arrange-		76093 76837 76931 101893	
		ments	76835	106888 108343 108622 108902	
		Korean Uplands Project	35613	Committee on Appropriations	
		Secretariat	74275	16758 27061a 45867 70793	
		Statistical Off	8296 57055	76581 87887---87891 97616	
		57056 76836 106759 108643		Committee on Banking and Cur-	
		Water Resources Development Centre	80660	rency	66722
		Working Party on Standardization of		Committee on Education and Labor	
		Perishable Foodstuffs	75277	26574 36123 56889	
		United Nations Coffee Conference	15565	Committee on Government Opera-	
		United Nations Conference on the Appli-		tions	34121 76932 109245
		cation of Science and Technology for the		Committee on Interior and Insular	
		Benefit of the Less Developed Areas		Affairs	2577 15351 27015
		26721 45735 56337 74312		35843 76537 80662 87116	
		76211 76651 76864 86920		87333 91318	
		87513		Committee on Interstate and	
		United Nations Conference on Trade and		Foreign Commerce	6137 61504
		Development	76829 76834 87717	Committee on Merchant Marine	
		United Nations Educational Scientific and		and Fisheries	76933
		Cultural Organization	8517 20558	Committee on Public Works	2578
		27591a 63821 87514 92083		20937 20938	
		Youth Institute	15375	Committee on Ways and Means	16998
		United Planters' Association of Southern		Select Committee on Government	
		India		Research	67674
		Tea Scientific Dept	15232 29424	Joint Committee on Atomic Energy	
		Tea Sect	11159	24558 24937 64840	
		United Planting Association of Malaya	87561	Joint Economic Committee	24443
		U S Agency for International Develop-		45451 46424 66373 67378	
		ment	17080 24771 26720 36171	67379	
		41400 49765 56352 75478		Senate	
		76713 91335		Committee on Agriculture and	
		Advisory Committee on Voluntary		Forestry	6353 44676 44677
		Foreign Aid	76212	46530 65350 65764 67051	
		programs	60840	Committee on Appropriations	
		Statistics and Reports Div	45736	17296 33940 60691 60896	
		U S Air Force		67102 87892 109045 109046	
		Off of Scientific Research	56339	109047	
		Special Aerial Spray Flight	94037	Committee on Commerce	12207
		U S Army		96148 98328 106638 106639	
		Veterinary Serv	3188	107997	
		U S Atomic Energy Commission	57399	Committee on Finance	108903
		74531		Committee on Foreign Relations	
		United States Brewers Association	106853	7810 27275	
		U S Bur of International Commerce		Committee on Government Opera-	
		7627---7629 8298 8299		tions	27430 36419 57210
		8300 8301 98326 98327		Committee on Interior and Insular	
		108893--108901		Affairs	11116 19674 35844
		U S Bur of Labor Standards	76092	46035 67052 70794 80663	
		86778		80665 91317	
		U S Bur of Labor Statistics	34151	Manson Unit	
		64862		Chelan Div	70795
		U S Bur of Land Management	16857	Committee on Labor and Public	
		29323 35969 45867 53610		Welfare	66532
		66863 97797		Committee on Public Works	11443
		appropriations	60896	70479 71407	
		Div of Grazing	26755 56385	Committee on the Judiciary	64851
		U S Bur of Public Roads	108641	106676	
				U S Consumer Advisory Council	64778
Udine Ufficio Staccato di Caseificio	34451				
Uganda Dept of Veterinary Serv and Ani-	12746 81873				
mal Industry					
Uganda Forest Dept	40457				
Uganda Ministry of Economic Affairs					
Statistics Br	54375				
Uganda Ministry of Health	14070				
Ugerup Statens Forsoksgard	35842				
Ukrainskii Nauchno-Issledovatel'skii					
Institut Sadovodstva	25525				
Ukrayins'ka Akademiya Sil's'kohospo-					
dars'kykh Nauk					
Otdelenie Zhivotnovodstva	21930				
81926					
Problemnaya Komissiya Koordinatsionnoe Soveshchaniye	17294				
Ukrayins'kyi Naukovodoslindnyi					
Institut Zemlerobstva	79211				
Ukrayins'kyi Naukovo-Doslidnyi Institut					
Zakhystu Roslyn	83377				
Uladovo-Lyulinetskaya Opytno-Selektsionnaya Stantsiya	89982 101442				
Ulster Farmers' Union	27138 87560				
Union Catholique des Cultivateurs	17105				
Union des Association Internationales	97783				
Union des Caisses Centrales de la Mutualite Agricole	56131 108150				
Union Federale de la Consommation	43972				
Union of Market Gardening Cooperatives (Poland)	75305				
USSR Ministerstvo Sel'skogo Khozyaistva	66174				
Glavnoe Upravlenie Veterinari	61905				
USSR Sovet Truda i Oborony					
Komitet po Veterinarnym Delam	41295				
USSR Tsentral'noe Statisticheskoe Upravlenie	16881 35448 106758				
Union Suisse des Paysans	36143				
56334 56335					
Union Suisse du Commerce et de l'Industrie	34190				
Union Valaisanne pour la Vente des Fruits et Legumes	107290				
Union zum Studium der Socialen Insekten	94580				
Unione Italiana Pollicoltori	86376				
United Arab Republic Agricultural Extension Dept	46777				
United Arab Republic Institute of National Planning					
Agrarian and Rural Planning Sect	26439				
United Arab Republic Ministry of Agriculture	34544				
United Cooperative Farmers	27161				
United Co-operatives of Ontario	36170				
76708 98241					
United Fresh Fruit and Vegetable Association	15919 55054 55063				
Brokers Div	55049				



		Item	
U S Corps of Engineers	6093	6094	
15428 106640			
U S Dept of Agriculture	2019	2566	
6092 6226	6408	7656	
7686 7811	7826	8038	
8409 8410	10336	10351	
15482 16999	24265	24585	
25533 25539	26002	26200	
26401 26650	26701---	26703	
26753 26864	26865	26892	
26902 26912	26923	27017	
27089 27431	28447	29445	
29890 31493	33666	34355	
34741 34977	35285	35509	
35536 35720	35898	36064	
36420 37846	38718	38755	
39498 39934	40312	41646	
44255 44646	44863	45498	
45652 45737	45819	45882	
46080 50312	53614	54377	
55516 56340	56341	57212	
57375 59277	59894	59945	
59962 59973	60040	60295	
60533 60610	65875	67069	
67508 69449	69719	69997	
70468 70649	70674	70662	
70963 73125	75480	76328	
76404 76434	76728	76935	
77098 77545	79207	79258	
79917 81264	81670	82022	
84836 85063	85067---	85070	
85551 85911	86354	86924	
86925 86954	87033	87039	
87067 87358	87893	87895	
88077 90072	90198	94149	
96919 97810	97874	100819	
100938 106728	106745	107201	
107416 107459	107789	108344	
108807 109044	109048		
administration	8411	27430	
46515 56788	57182	57375	
67475 67505	67660	77103	
88078 98471	98685	108995	
109245			
Agricultural Marketing Serv	6092		
6802 8342	25424	26003	
26238 26731	33977	34749	
35578 43980	44023	54190	
54191---	54193	54592	
55742 64814	75252	75253	
75794 76865	84903	86045	
87515 87781---	87783	107291	
107696			
Cotton Div	34630	54095	
Standards and Testing Br	65348		
Dairy Div	6457	34322	74894
106981			
Inspection and Grading Br	6457		
Food Distribution Div	57112		
Fruit and Vegetable Div	6803		
6830 34750	34769	44703	
85784 107322			
Market News Br	65518		
65519---	65525	85785	
Grain Div	7069	7070	8297
16166 25760	25761	55372	
66251			
Seed Br	26239		
history	84903		
Livestock Div	86187		
Market Quality Research Div	49030		
Horticultural Crops Br	49030		
55058			
Stored-Product Insects Br	32889		
Marketing Information Div	106669		
Milk Marketing Orders Div	6420		
6529 15682	15683	24900	
74842 106357			
Packers and Stockyards Div	7154		
7155 25915	25916	55479	
55505			
policies and programs	34361		
Poultry Div	7389	16364	
66117 75795	86377		
Stored-Product Insects Labora-			
tory	42743		

		Item	
U S Dept of Agriculture--Cont			
Agricultural Marketing Serv--cont			
Tobacco Div	16503	26358	
35578 66288	107974		
Agricultural Research Serv	2062		
6064 6065	8407	12747	
14071 24588	29368	31774	
33288 33881	33890	51606	
53899 53982	53998	53999	
54032 55026	55547	62047	
62402 63438	65349	67672	
71527 71975	71976	72303	
74098 84835	85743	86188	
97265 103507	103798		
Agricultural Engineering Research			
Div	25265		
Cotton Ginning Research			
Laboratory (Stoneville)	25257		
Animal Disease and Parasite Re-			
search Div	3293	12631	
32543 81875			
Plum Island Animal Disease			
Laboratory	3293	71828	
81801 83087			
Animal Disease Eradication Div			
12748 13887	21931	23144	
31021 32294	32544	41856	
52294 52480	55480	81876	
104724 104950	105142		
Animal Husbandry Research Div			
12840 32122	32570	51806	
52334 52335	56521	72697	
72897			
Beef Cattle Research Station			
Front Royal Va	31493		
Dairy Herd Improvement Sect			
61986			
Livestock Experiment Station			
Miles City Mont	41283		
Poultry Research Br	4285		
32123			
Animal Inspection and Quarantine			
Div	103232		
Consumer and Food Economics			
Research Div	17229	27328	
36346 57113	67434	76866	
98380			
Crops Research Div	439		
1812 10875	39415	49052	
49266 49506	69626	69930	
79522 79740	90274	98794	
98795 99306			
Cotton and Cordage Fibers Re-			
search Br	48800		
Crops Protection Research Br			
47596			
Hard Red Spring and Durum			
Wheat Laboratory Fargo			
N Dak	65756		
National Arboretum	17665		
19978 98794	98795		
101295			
Eastern Utilization Research and			
Development Div	84835	106596	
109271 109272			
awards	67589		
Entomology Research Div	4773		
32644 32729	32730	32964	
52818 52898	63438	73169	
73238 73298			
Boll Weevil Research Lab			
State College Miss	52837		
Fruit and Vegetable Products			
Laboratory Weslaco Tex	34834		
Human Nutrition Research Div			
16257 36347	57114	57115	
87784 108938	108939		
Insects Affecting Man and Animals			
Research Laboratory Gainesville			
Fla	14071		
Meat Inspection Div	7173		
25946 35076	75596	86188	
Metabolism and Radiation Research			
Laboratory Fargo N D (proposed)			
98420			
National Animal Disease Labora-			
tory Ames Iowa	3202	21878	
Naval Stores Station Olustee Fla		51293	

		Item	
U S Dept of Agriculture--Cont			
Agricultural Research Serv--cont			
Northern Utilization Research and			
Development Div	7327	55614	
106595 107771--107778			
patents	97265	106595	107771
107773--107775			
publications	97265	106595	
107771--107778			
Off of the Administrator	50551		
personnel	57374	109015	
Personnel Div		57374	
Plant Pest Control Div		9257	
9297 14154	14155	14212	
23108 23345	32645	52824	
58108 68228	105070		
Plant Quarantine Div		57852	
policies and programs		1927	
Soil and Water Conservation Re-			
search Div		11824	
Foundation Seed Stocks Farm			
Thorsby Ala		28431	
Southern Utilization Research and			
Development Div	25266	26071	
86498			
Western Utilization Research and			
Development Div	48855	65550	
65715 109273			
Agricultural Stabilization and Con-			
servation Committee			
Idaho		86921	
Mississippi		108341	
Nevada		56338	
Oregon		86922	
Tennessee		86923	
Vermont		35586	
Washington		35717	
Wyoming	26714	35718	108342
Agricultural Stabilization and Con-			
servation Serv	7515	8408	
26715 26716	34500	55373	
56341 57209	60794	76213	
76214 76679	85640	86046	
86941 106760	107531	109043	
history		108342	
policies and programs		76679	
Agriculture Handbook No 8		54130	
55002			
appropriations	17296	76931	
87887--87893	109032	109045	
109046 109047			
awards		88077	
Biometrical Serv		57410	
budget		36420	
Building and Data Processing Center		57173	
centennial		56304	
Commodity Credit Corporation		35490	
56110 56111	66428	85972	
96945 108118			
appropriations		97616	
report		108118	
Commodity Exchange Authority	24441		
Cooperative State Experiment Station			
Serv	17081	57084	
Cooperative State Research Serv		76652	
Dairy Research and Marketing Ad-			
visory Committee		96653	
Deciduous Fruit and Tree Nut Re-			
search and Marketing Advisory			
Committee		96796	
directories	8396	76936	
Economic Research Serv		5975	
7682 7961	16759	16925	
24588 27276	29660	34631	
35144 35449	45409	45429	
45448 45452	54142	54378	
55463 56150	56343	56344	
56345 57058	65765	66533	
66723 66724	67380	74532	
75978 76509	76838	85641	
87728 96235	97576	97784	
98329 106723	106762	107696	
108756 108904			
Marketing Economics Div		17200	
Outlook and Situation Board		45426	
publications		35449	

Item			Item		Item
U S Dept of Agriculture--Cont			U S Dept of Agriculture--Cont		U S Dept of Agriculture--Cont
Economic Research Serv--cont			Forest Serv--cont		policies and programs--cont
Washington-Field Staff Conference			Northeastern Forest Experiment		29655 29933 34048 3463C
Warrenton Va	45452		Station Upper Darby Pa	18037	35197 35299 36403 38918
equipment	109044		91462		39884 44002 45356 45659
Farm Credit Admin	45509 56112		Northern Forest Experiment Sta-		46113 46263 46264 46515
66429 75991 76007 108119			tion Juneau Alaska	30129	49306 52722 55514 55615
108120			30307		55742 56342 56889 57180
Farm Equipment and Structures Re-			Northern Forest Fire Laboratory		60701 64799 65279 66657
search Advisory Committee	95755		Missoula Mont	30129 30307	66658 67135 67484 75257
Farmer Cooperative Serv	36158		50799 71332		75270 76529 76899 76931
36166 56948 107764 108786			Northern Hardwoods Laboratory		76932 77102 77126 84836
Farmers Home Admin	7672		Marquette Mich	21055	87834 98686 107570 107679
16570 26493 66403 76008			Olustee Arboretum Olustee Fla		109021 109048 109264
76009 76010 102468 108121				61135	Poultry Research and Marketing Ad-
Federal Crop Insurance Corporation			Pacific Northwest Forest and		visory Committee
26510 45523 76028 97636			Range Experiment Station Port-		publications
108151			land Oreg	30235 40480	35735 56785 74356
Federal Extension Serv	8412		50492 60897 61230		report
8413 16650 17298 27070			Pacific Northwest Region	50552	8410 87895
35722 41728 56226 56347			51008 61207 91644 94490		Rural Electrification Admin
56522 56890 56891 57213			Pacific Southwest Forest and		43857 45511 54039 76006
63438 65301 67119 76357			Range Experiment Station Berke-		86649 106525
76358 76937 87896 108905			ley Calif	2949 21138 30452	Seminar in Executive Development
personnel	57373		91025 91463 91709		109240
policies and programs	56890		personnel	2706 30110 30111	Sheep and Wool Research and Market-
56813			50536 70934		ing Advisory Committee
Feed Grains Council	65682		policies and programs	2737	97075
films	8137 36124		28645 30573 60866 61387		Soil Conservation Serv
Food and Home Fair	67135		80877		2307
Food Distribution Research and			Range and Wildlife Habitat Re-		2619 5642 11825 20559
Marketing Advisory Committee			search Div	48914	20977 29643 29660 29967
	96149		Rocky Mountain Forest and Range		29992 30036 50366 50751
Foreign Agricultural Serv	24588		Experiment Station Fort Collins		56698 60291 60730 61048
56990 67382 67383 98330			Colorado	91464	79444 87896 91335 101881
98331 98332			San Dimas Experimental Forest		102146 102247 102273
Forest Serv	2706 2885 11905		Glendora Calif	21138	Engineering and Watershed Plan-
12197 12317 14285 17804			Southern Forest Experiment Sta-		ning Unit
21354 21508 29660 30128			tion New Orleans La	50586	40306 40307
30466 30467 30580 32915			60960 71000 91465		history
40711 40726 40730 45867			Southern Forest Fire Laboratory		personnel
50495 50924 50925 51276			Macon Ga	50799	30036
60854 61267---61270 61387			Southern Region	70967	30015
70923 70964---70966 76538			Southwestern Region		Soils Water and Fertilizer Research
80882 81180 87896 91643			Continental Divide Training		Advisory Committee
94488 94489 99250 101040			Center	91451	91024
102385			Timber and Watershed Laboratory		Statistical Reporting Serv
appropriations	60896 70963		Elkins W Va	30127	24588 35449 45448 55743
70966			Timber Appraisal Review Com-		56304 57409 57411 64861
Central States Forest Experiment			mittee	2737	74475 85060 85892 86259
Station Columbus Ohio	17000		Timber Management Laboratory		96243 96246 96250 97173
91459			Crossett Ark	60960	97394 106736 106738 107408
Div of Fire Control	81230		Forestry Research Advisory Commit-		107696
Eastern Tree Seed Laboratory			tee	50551	Crop Reporting Board
Macon Ga	30425 60897		Graduate School	7812 8129	6530 16068 16523 16649
61177			8136 86596 87894		24587 34152 34846 35312
Equipment Development and Test-			Grain Research and Marketing Ad-		64902 65190 66149 74558
ing Center	71330 71331		visory Committee	97012	85502 86330 97530 103004
Forest Economics and Marketing			history	6079 34085 36543	Yearbook
Research Div	30675		64800		67381
Forest Hydrology Laboratory			National Agricultural Library	7796	U S Dept of Defense
Wenatchee Wash	50492		27115 36125 56339 67190		U S Dept of Health Education and Welfare
Forest Products Laboratory			87486 87516 109049		51606 57075
Madison Wis	12459 30516		aquisitions	27115 36125	U S Dept of Labor
30561 51371 61505 71559			Bee Culture Br	4970	U S Dept of State
81354 81403 81414 81417			bibliographies	67195 87516	Bur of Intelligence and Research
81617 91695			policies and programs	17065	75965 75966
Forest Products Marketing Labo-			publications	71799 109049	U S Dept of the Army
ratory Princeton W Va	61380		services	17065	U S Dept of the Interior
Hector N Y Land Utilization			Off of Budget and Finance	76936	2061 2582
Project	61257		108345		56661 60692 66863 67053
Hemlock Experimental Forest			Off of Information	6001 7813	70796 70797 87896
Olympia Wash	30235		8137 36124 56346		Bonneville Power Admin
history	71358		Off of Personnel	8519 17297	Bur of Outdoor Recreation
Intermountain Forest and Range			27612 27613 36567 36568		61266 70964
Experiment Station Ogden Utah			57212 57376---57378 77104		Div of Information
40706 71332 91460			88078 109246		57211 70964
Intermountain Region	11972		Off of Plant and Operations	8411	Off of Saline Water
12198 23414 30168 40738			organization	27429 57210	U S Embassy Sudan
40739 51006 51007 81231			Paperwork Management Council		U S Embassy Tunisia
Lake States Forest Experiment				98471	U S FAO Interagency Committee
Station St Paul Minn	91461		personnel	8519 17297 27613	U S Federal Aviation Agency
102445			36567 36568 46663 57371		U S Federal Council for Science and
Missoula Equipment Development			57372 57375---57378 67660		Technology
Center	81232		77103 77104 88077 88078		11791
Naval Stores and Timber Produc-			108762 109235--109246		U S Federal Housing Admin
tion Laboratory Olustee Fla			policies and programs	17248	U S Federal Trade Commission
	81535		26663 27310 27918 29382		55054



	Item		Item		Item
U S General Accounting Off	26731	U S Tennessee Valley Authority	2364	Venezuela Direccion de Economia y	
66430 66725		2579 11792 20685	24091	Estadistica Agropecuaria	7230
U S General Land Off SEE U S Bur of		26815 28034 35903	35904	7231 15429 15479	15881
Land Management		36048 36049 50044	60522	16069---16072 16168	16169
U S Geological Survey 40305	60693	70631 84734 87122	107459	26361 34224 34633	44819
U S Interagency Committee on Nutrition	27329	appropriations 67102	76581	54380---54399 55218	55561
U S Interdepartmental Committee on		bibliographies 36040	87375	55562 55692 55746	65354
Nutrition for National Defense 98342	98342	Div of Forestry Development 2721		73980 74479 84970	85888
98382		30169 40481---49484	50587	85889---85891 86049	86050
U S Internal Revenue Serv	86686	50588 50589 80883		86523 106724 107203	107417
United States-Japan Trade Council	36293	Div of Water Control Planning 61243		107418 107533 107697	107975
U S Library of Congress 35723		finance 36048		Division de Economia Agricola	76275
40834 66726		history 36049		Venezuela Direccion General de	
U S National Academy of Foreign Affairs	109243	Library 29968		Estadistica y Censos Nacionales	24589
U S National Aeronautics and Space		Off of Agricultural and Chemical De-		Venezuela Juntas Nacionales de la	
Admin 63504		velopment 80439		Produccion 15376	
U S National Bur of Standards 102246		U S Trade Missions Program 108893		Venezuela Laboratorio de Investi-	
U S National Forest Reservation Com-		108895--108901		gaciones de Pulpa y Papel (Merida)	40997
mission 60898		U S Weather Bur 36555	57370	Venezuela Ministerio de Agricultura y	
U S National Institutes of Health		58830 59292 77085	77086	Cria 24590	76938
Animal Center 92110		77091 77093 77094	77102	Venezuela Universidad	
Library 73680		Universities Federation for Animal		Central Caracas	
U S National Museum		Welfare 61939		Facultad de Agronomia 20356	
Dept of Entomology 93932		Upper Rock Creek Watershed Md 11443		Venlo Proeftuin 10580	
U S National Science Foundation 26426		Upper West Fork Soil Conservation		Verband der Zuchter des Angler Rindes	
57392 77101 81750	100742	District 91358		Verband der Zuchter des Holsteiner	
U S Navy		Uppsala Botaniska Tradgarden 17691		Pferdes 13358	13359
Yokosuka Navy Base 66832		Uppsala Jordbrukstekniska Institutet	43497	Verband des Deutschen Zuckerhandel	
U S Northeastern Radiological Health		Uppsala Lans Hushallningssallskap		7518	
Laboratory		67221 67222 67506		Verband Deutscher Diplomlandwirte	
Div of Radiological Health 74884		Uppsala Lantbrukshogskolan och Statens		27121	
U S Off of Civil Defense 33977		Lantbruksforsok 108695 109257		Verband Deutscher Landwirtschaftlicher	
U S Off of Education 87517	98194	Institutionen for Lantbrukets Drifts-		Untersuchungs- und Forschungsanstal-	
U S Off of International Regional Eco-		ekonomi Kalkylavdelningen 35845		ten 24829	98704
nomics 7630---7633 66375		Uruguay Ministerio de Ganaderia y		Verband Ostschweizerischer Land-	
U S Off of Manpower Automation and		Agricultura		wirtschaftlicher Genossenschaften	08799
Training 35579		Centro de Investigaciones Agricolas		Verband Schweizerischer Baumschul-	
U S Off of Technical Serv 15478		98702		besitzer 107983	
64903 87486 108346		Utah Academy of Science Arts and		Verband Schweizerischer Kon-	
U S Outdoor Recreation Resources Re-		Letters 87898		sumvereine 27170	
view Commission 61245		Utah Agricultural Experiment Station		Verein der Kaufleute der Deutschen	
U S Patent Off 1904 1905 10655		2061 54379 98703		Zuckerindustrie 97481	
10676 10685 28881 29017		Utah Conservation Needs Committee		Verein der Zellstoff-und Papier-Chemi-	
39068 39116 39121 39310		60731		ker und-Ingenieure 21632	30663
49267 69766 74501 79628		Utah Dept of Forestry and Fire Control		Verein Deutschschweizerischer	
101197 101264 101354		70950		Bienenfreunde 4941 32931	42807
U S Peace Corps 4948 8172		Utah Mosquito Abatement Association		42834 94582	
16825 26604 45674 89973		94241		Verein Ehemaliger der Kantonalen	
96633 97747 98186		Utah State Dept of Forestry and Fire		Gartenbauschule Oeschberg-	
U S President (J F Kennedy) 66376		Control 70950		Koppigen 77164	79429
67384		Uttar Pradesh Dept of Agriculture 15880		Verein fur Deutsche Schaferhund	92685
U S President (L B Johnson) 35599		25108 25540 25541 25762		Verein "Stadt und Land" 87610	108804
45453 66373		25763 25764 55217 55376		Vereinigung Schweizerischer	
U S President's Advisory Committee on		55377 55688 65233 65656		Versuchs- und Vermittlungsstellen	
Labor-Management Policy 57061		107235 107236		fur Saatkartoffeln 59904	69966
U S President's Appalachian Regional		Utrecht Centraal Instituut voor Voedings-		Vereniging het Nederlandsche	
Commission 56743 75967		onderzoek T N O 36377		Rundvee-Stamboek 92257	92258
U S President's Committee on Migratory				92259	
Labor 16651		Vaillant S Discours sur la Structure		Vereniging tot Exploitatie van Proefboer-	
U S President's Science Advisory Com-		des Fleurs 37755		derijen in de Veenkolonien 35846	
mittee 87844 87883 87897		Valio Meijerien Keskusosuusliike 85374		Verkaufsgenossenschaft fur Gart-	
U S Public Health Serv 6454 14063		96484		nerische Produkte Zurich und Umge-	
84936 94191		Van Dykum's Producten 54448		bung 75924 75925	
Commendation Medal 67627		Vanaspati Manufacturers' Association		Vermont Dairy Industry Association	
Div of Radiological Health 44335		of India 107780		85252	
74895 106982 106983		Varmlands Lans Hushallningssallskap		69997	
policies and programs 53973		109050		Vermont Dept of Agriculture	
U S Public Health Serv Code 84653		Vasterbottens Lans Hushallningssallskap		87902	
U S Public Land Law Review Commis-		98472		Vermont Dept of Animal and Dairy	
sion (proposed) 35843		Vasternorrlands Lans Hushallnings-		Science 85252	
United States Pulp Producers Associa-		sallskap 36423		Vermont University	
tion 12394		Vastmanlands Lans Hushallningssal-		College of Agriculture	
U S Quartermaster Field Evaluation		lskap 27126 27432 36423		Extension Serv 10306	
Agency 64781		Vegetable Growers Association of		Poultry Science Dept Laboratory	93414
U S Quartermaster Food and Container		America 96774		Vermont University and State Agri-	
Institute for the Armed Forces		Velikiye Luki Sel'skokhozyaistvennyi		cultural College 66175	
Food Div		Institut 87528		Related Serv Div 40379	44421
Meat Products Br 75660		Velonovsky J Plantae Arabicae		44422 45305	
Nutrition Br 76890		Musiliana 26886a		Verona Camera di Commercio	
U S Small Business Admin 24435		Velsicol Chemical Corporation 54238		Industria e Agricoltura 86599	
25518				Vertebrate Pest Control Conference 8415	
U S Study Commission				Vestnik Obshchestvennoi Veterinari	
Southeast River Basins 70798				81790	
U S Tariff Commission 51037				Veterinary Clinical Observation Unit	
				12844	



	Item
Veterinary Medical Association of Ireland	81882
Veterinary Papyrus of Kahun 61910	51611
Veterinary Serv Council (New Zealand)	3295
Victoria Chamber of Agriculture	27117
Victoria Dept of Agriculture	32860
Biology Br	98473
Dairy Husbandry Br	3506
Ellinbank Dairy Research Station	3737---3739
Victoria Dried Fruits Board	6933
Victoria Egg and Egg Pulp Marketing Board	16365
Victoria Forests Commission	30170
Victoria Soil Conservation Authority	40351
Victoria State Rivers and Water Supply Commission	50348
Vid Bjarsjolagard Kontrollstationen for Hons	72698
Vienna Bundesanstalt fur Pflanzenbau und Samenprufung	38676
Vienna Bundesanstalt fur Pflanzenschutz	77496
Vienna Naturhistorisches Museum	98797
Vienna Statistisches Amt	24591
24592	
Vienna Tierarztliche Hochschule	71802
Lehrkanzel fur Medizinische Physik	21863
Vienna Versuchsanstalt fur Mullerei	86029
Vienna Versuchsstation fur das Garungsgewerbe	85169
Berufsschule fur Brauer Malzer und Destillateure mit Offentlichkeitsrecht	106856
Vietnam Bo Cai-Tien Nong-Thon	24593
Vietnam Commissariat General for Cooperatives and Agricultural Credit	67260
Vietnam Dept of Rural Affairs	
Agricultural Economics and Statistics Serv	44137
Vietnam Vien Quoc-Gia Thong-Ke	56054
Vilna University	
Szkola Weterynaryjna	61831
Virgin Islands (British) Dept of Agriculture	17249
Virgin Islands of the United States Dept of Agriculture and Labor	76940
Virgin Islands of the United States Governor	76940
Virginia Academy of Science	27433
Virginia Agricultural Experiment Station	34351 36595 38879
50044	
Virginia Association of Electric Cooperatives	106510
Virginia Cooperative Crop Reporting Serv	15505 25542 34153
Virginia Dept of Agriculture and Immigration	15800 36424 76217
76941 81691 87903	
Div of Markets	34752 97117
Div of Regulatory Serv	97531
Virginia Div of Forestry	30152
32919 50529 91429	
Virginia Feed Convention and Nutrition Conference	15800 81691
Virginia Hereford Association	31140
Virginia Polytechnic Institute	15800
57099 81691	
Agricultural Extension Serv	22852
24055 24404 42214	43412
43859 51456 51690	56920
56921 57117 67436	76867
82297 109214	
Electronic Farm Account Program	
56566	87132
Turkey Research Center	52322
Virginia State Dairymen's Association	84253

	Item
Virginia State Feed Association	15800
81691	
Virginia State Horticultural Society	38956
Virginia State Poultry Federation	52336
Virginia Truck Experiment Station	25336
Virginia University	
Blandy Experimental Farm	27732
Visitor	108732
Vitro Engineering Co	105345
Voedingsorganisatie T N O	54088
Voedingvereniging van Suidelike Afrika	8344
Vollebeek Landbruksteknisk Institutt	5743
Vsesoyuznoe Obshchestvo Pochvovedov	29435 60290 101633
Vsesoyuznyi Gosudarstvennyi i Proektno-Izyskatel'skii Nauchno-Issledovatel'skii Institut "Giprovodkhoz"	91321
Vsesoyuznyi Institut Rastenievodstva	89310 89810
Laboratoriya Fiziologii Rastenii	89657
Vsesoyuznyi Nauchno-Issledovatel'skii Institut Kukuruzy	79271
90101	
Vsesoyuznyi Nauchno-Issledovatel'skii Institut Vinodeliya i Vinogradarstva "Magarach"	90351
Vsesoyuznyi Nauchno-Issledovatel'skii Institut Sel'skokhozyaistvennogo Mashinostroeniya	24119
Vsesoyuznyi Nauchno-Issledovatel'skii Institut Sel'skokhozyaistvennoi Mikrobiologii	8951
Vsesoyuznyi Nauchno-Issledovatel'skii Institut Zashchity Rastenii	77525
Laboratoriya Mikrobiometoda	
Wageningen Belmonte Arboretum	46855
46856	
Wageningen Centrum voor Landbouwpublikaties en Landbouwdocumentatie	35728 36126
Wageningen Centrum voor Tuinbouwtechniek	33544
Wageningen Instituut voor Bewaring en Verwerking van Tuinbouwproducten	16062
Wageningen Instituut voor Biologisch en Scheikundig Onderzoek van Landbouwgewassen	10307 79107
Wageningen Instituut voor de Veredeling van Tuinbouwgewassen	9388
Wageningen Instituut voor Graan Meel en Brood TNO	97015
Wageningen Instituut voor Landbouwbedrijfsgebouwen	106428 106429
Wageningen Instituut voor Landbouwtechniek en Rationalisatie	15086
106244	
Wageningen Instituut voor Plantenziektenkundig Onderzoek	315 27013a
88671	
Wageningen Instituut voor Rassenonderzoek van Landbouwgewassen	59264
59906 69448	
Wageningen Instituut voor Tuinbouwtechniek	28783 101107
Wageningen Instituut voor Veredeling van Landbouwgewassen	794 862
Wageningen Internationaal Agrarisch Centrum	17082
Wageningen Landbouwhogeschool	98098
Centrum voor Landbouwwiskunde	7919

	Item
Wageningen Landbouwhogeschool--Cont	
Laboratorium voor Tuinbouwplantenteelt	69679
Wageningen Proefstation voor de Akkeren Weidebouw	1470 10290
Wageningen Rijksinstituut voor Rassenonderzoek van Landbouwgewassen	38677
Wageningen Rijksproefstation voor Zaadcontrole	7435 7436 86436
Wagner Irrigation Unit	56686
Wagner Tower and Greenwood Irrigation Units	29923 29924
Wailua Game Reserve	46004
War on Poverty Program	66607 66666
67242 108195	
Warmblut-Pferdezucht-Genossenschaft "Lilienthal"	13356
Warsaw Centralny Instytut Informacji Naukowo-Technicznej i Ekonomicznej Zaklad Wspolpracy z Zagranica w Zakresie Pismiennictwa Naukowego	87905 99787
Warsaw Instytut Ekologii	
Warsaw Instytut Mechanizacji i Elektryfikacji Rolnictwa	106208
Warsaw Instytut Melioracji i Uzytkow Zielonych	80446
Washington Academy of Sciences	
directories	27434
Washington Agricultural Chemical Laboratory	27435
Washington Agricultural Experiment Station	2061 36596 49414
60248 68092 77120 109275	
Irrigation Experiment Station (Pros-ser)	36596
Washington Cattle Feeders Association	22308
Washington Conservation Needs Committee	21005
Washington Crop and Livestock Reporting Serv	85892
Washington Dept of Agriculture	85892
102307	
Div of Horticulture	25543
Washington Dept of Natural Resources	7986 12330 21096 21355
50491	
Washington Forest Protection Association	81234
Washington State Apple Commission	6791 25404
Washington State Dairy Products Commission	65029 65031
Washington State Forestry Conference	50494
Washington State Homemakers' Council	57357
Washington State Horticultural Association	1712 1713 49031
Washington State University	
Agricultural Extension Serv	27139
32309 32805 34501 34835	
34836 34847 35068 36144	
36349 44107 44820 44975	
44976 44977 51997 52093	
55219 55379 56922 56923	
57118---57122 57357 57855	
60005---60014 65029---65031	
65234 65235 65659---65664	
65768 65962---65964 66060	
66176---66178 66320 67437	
67438 68092 70177 72505	
73241---73246 73274---73276	
74228 74455 75279 75280	
75358 75926 83379- 83380	
83526 87531 87562---87564	
96925 96926 98138 101591	
105240 106890---106892 107420	
107421--107425 107534 107849	
107850--107852 108777 108778	
109224 109225	
Bur of Economic and Business Research	56993
College of Economics and Business	56993



Item		Item		Item	
Water Conference	50352	Western Forestry and Conservation Association	60857	Wisconsin Academy of Sciences Arts and Letters	98475
Water Planning for Israel	50353	Western Reforestation Coordinating Committee	61181	Wisconsin Agricultural Experiment Station	24265 25076 26200 35077
Water Resources Economics Conference	70801	Western Grass Breeders Work Planning Conference	48923		35898 65875 70449 86354
Water Resources Seminar	91322	Western Growers Association	15920	Wisconsin Agriculturist	
Watermelon Growers and Distributors Association	96798	Western Hemisphere Exports Council		Research Dept	66401
Watershed Management Research Conference on Collection and Compilation of Streamflow Records	49951	Trade and Industrial Mission to the Caribbean	76219	Wisconsin Conservation Dept	21139
Watershed Protection and Flood Prevention Act	76383	Western Livestock Journal	55426	Wisconsin Cooperative Wool Growers' Association	15886
Weed Society of America	79864	Western Manitoba Farm Business Association	45869	Wisconsin Dept of Agriculture	15802
Weihenstephan Staatliche Lehr- und Forschungsanstalt für Gartenbau	69680	Western New York Apple Growers Association	65508 65526 85778	17301 86259 102351 107111	
Welch Grape Juice Company	15968			Wisconsin Federal-State Crop Reporting Serv	15507 86259
Wellcome Foundation (Beckenham, England)	32231	Western Nigeria Development Corporation		Wisconsin Retail Lumbermen's Association	2952
Wellesbourne (England) National Vegetable Research Station	2002 90579	Agricultural Dept	45741	Wisconsin Tanning Symposium	65950
Welsh Black Cattle Society	62054	Western Pine Association	12332 51190	Wisconsin University	109206
Welsh Plant Breeding Station SEE Aberystwyth University College of Wales				College of Agriculture	
Welsh Pony and Cob Society	13361	Western Production Conference	54873	Extension Serv	34647 44255
Wensleydale Longwool Sheep Breeders' Association	72764	Western Regional Technical Committee on Vibriosis	4430	45235 56776 59137 68095	
Werkgroep Streekonderzoek Erwt en	10986	Western Regional Turkey Breeding Project		69607 69608 70043 70184	
Werner Textile Associates	65360	Technical Committee	93013	70185 71677 72121 77545	
West African Cocoa Research Institute	20358	Western Samoa Dept of Agriculture Forests and Fisheries	46531 109054	Land Tenure Center	87299
West African Institute for Oil Palm Research	20359	Western States Land Commissioners Association	16862 35852	National Agricultural Extension Center for Advanced Study	108700
West African Rice Research Station (Rokupr) SEE Rokupr West African Rice Research Station		Western States Land Commissioners Conference	16862	Wool Industries Research Association	85650 96764
West Bengal State Statistical Bur	15506	Western States Meat Packers Association	45092	Wool Research Organization of New Zealand	85626 85651
34226 35580 36026 54400		Western Weed Control Conference		Wool Textile Manufacturers of Australia	6686
54401 55380---55382 65770		Research Committee	49512 49513	World Campaign Against Hunger SEE Freedom-from-Hunger Campaign	
West Coast Lumbermen's Association	12352 30592	Westfälische Landwirtschaftliche Alterskasse	86688	World Census of Agriculture	54370
West of Scotland Agricultural College	26948 30829 79865 84698	Westfälische Landwirtschaftliche Berufsgenossenschaft	86688	World Coffee Promotion Committee	54455
87521 98146 108483		Westfälische Landwirtschaftliche Familien Ausgleichskasse	86688	World Congress of Agricultural Forestry and Plantation Workers	7732
West Pakistan Agriculture Dept	108697	Westonbirt Arboretum SEE Great Britain Forestry Commission Westonbirt Arboretum		World Congress of Agricultural Research	46678
West Virginia Academy of Science	109053	Whangarei Co-operative Dairy Company	44319	World Consultation on Forest Genetics and Tree Improvement	102765
West Virginia Agricultural Experiment Station	77842	Wheat Abstract Serv	1479	World Food Congress	5987 15377
West Virginia Dept of Agriculture	34502	Wheat Genetics Symposium (Japan)	873	24333 24345 26691 26721	
West Virginia Home Demonstration Clubs	98198	Wheat Referendum	6982 7041	43886 43894 45745 54085	
West Virginia Horticultural Society	59481 90265	7062 25608		54092 64730---64732 65772	
West Virginia Peach Council	96832	Wheat Research Act 1957 (Australia)	65667 79115	74289 74314 84769	
West Virginia Seed Laboratory	16398	Wheat Stabilization Program	55374	World Food Forum	54198
West Virginia University		White House Conference on Conservation	67508	World Food Program	15378 96084
College of Agriculture	76655	White House Conference on Export Expansion	67389	Intergovernmental Committee	64733
Extension Serv	28923 32012	WHO SEE World Health Organization		World Health Organization	24942
81929		WHO/FAO/UNICEF Protein-Rich Foods Program	57103	61917 64822 73069 94031	
Western Agricultural Economics Research Council		Wichita Bank for Cooperatives	26498	105079 106652	
Marketing Research Committee	34131	Wichita Mountains Wildlife Refuge (Oklahoma)	68353	Expert Committee on Biological Standardization	92096
34154		Wiesner Report SEE U S President's Science Advisory Committee		Expert Committee on Insecticides	42454
Western Australia Dept of Agriculture		Wigan Richardson & Co	66321	Vector Control Seminar	42556
Animal Quarantine Serv	81792	Wilderness Conference	102838	Veterinary Public Health Unit	103376
Plant Pathology Br	68093	Wilhelm-Boelsche Prize	109177	World Review of Nutrition and Dietetics	46468
Western Australia Forests Dept	30171	Wilhelminadorp Proefstation voor de Fruitteelt in de Volle Grond	1783	World Small Animal Veterinary Association	31037
40637				World's Fair (New York)	90470
Western Australia Health Education Council	74533			World's Fair (Seattle)	6785
Western Australia Milk Board	85257			World's Poultry Science Association	
Western Australia Soil Conservation Serv	71335			awards	8463
Western Canadian Society for Horticulture	19747 38958			Spanish Sect	106434
Western Colorado Horticultural Society				Worli Dairy Project (India)	96358
Apple Award	17402---17405				
Western Cotton Production Conference	54873			Wright Stephenson and Co	92874
Western Farm Economics Association	86601			Wye College	87523
Western Farm Equipment	84373			Dept of Agricultural Economics	16935
				Dept of Hop Research	39631
				Wyoming Agricultural Experiment Station	2061
				Wyoming Forest Industries Committee	30132
				Wyoming University	
				College of Agriculture	
				Extension Serv	86783---86791
				Wyoming Wool Growers Association	54919 54920

	Item
Yale University	
School of Forestry	61338
Yalta Gosudarstvennyi Nikitskii	
Botanicheskii Sad	77159 77291
Yapi ve Kredi Bankasi	65362 65527
65774 66061 107208	107783
107977	
Year Book of Agricultural Co-operation	
	8176
Year Book of Timber Statistics	81285
Year Book of Veterinary Medicine	51616
Yellowstone National Park	46710
Yoma-Gola National Forest	60916
Yorkshire Agricultural Society	76681
Yorkshire Philosophical Society	46534
Yorkshire Veterinary Society	12545
Youth Development and Conservation	
Corps	80825
Yugoslav Agricultural Bank	56095
Yugoslavia Kmetijski Institut	57401
Yugoslavia Savezni Zavod za Statistiku	
56733	57066

	Item
Zagreb Sveuciliste	
Veterinarni Fakultet	
Institut za Patologiju i Terapiju	30894
Zakopane Alpinarium Naukowo-Dydak-	
tyczne	36686
Zanzibar Customs Dept	8309
Zanzibar Dept of Agriculture	109056
Zentrale Markt- und Preisberichtsstelle	
der Deutschen Landwirtschaft	65637
Zentraler Obstabsatz Niederelbe	55068
Zentralinstitut für Stadtebau	101102
Zentralverband der Land- und	
Forstwirtschaftlichen Arbeitgeber	
in Niederösterreich	66540
Zentralverband des Deutschen Garten-	
baues	106488
Zentralverband des Deutschen	
Gemüse- Obst- und Gartenbaues	85708
Gartenbau Nomenklatur Ausschuss	
	46783

	Item
Ziraat Nama	108697
Zjednoczenie Przemyslu Lesnego	61276
Zoological Society of London SEE	
London Zoological Society	
Zrzeszenie Związkow Hodowcow i	
Producentow Drobiu	107854
Zucker-Jaarbuch	75875
Zuckerwirtschaftliches Taschenbuch	
	107950
Zürcher Landwirtschaftlicher Kan-	
tonalverein	67230
Zürich Bauernsekretariat	67230
Zürich-Oerlikon Eidgenössische	
Landwirtschaftliche Versuchsanstalt	
	48674
Zürich Universität	
Veterinärmedizinische Fakultät	12713
51595	
Związek Zawodowy Pracowników Les-	
nych i Przemysłu Drzewnego	70937



Item				Item				Item			
A6 test			18369*	Abies firma			68412	Absorption reaction			3240*
Abaca				Abies fraseri		61024	102520	Abutilon ochsenii			67869
anatomy and physiology			69471	Abies grandis	12456	18170	23415	Abutilon theophrasti	18923		29210
culture			19585*	63693				89466	100304		
diseases	9238	17985	27285a	Abies lasiocarpa			40573	Acacia			
pests		4793	17985	Abies magnifica shastensis			61022	Australia		18576	46821
yields			69471	Abies nebrodensis			37685*	culture			2760*
Abacetus		14567*	94970*	Abies procera			77337	extractives		75639	75663
Abaria electa			14969*	Abies nordmanniana			47760*	morphology			18576
Abattoirs SEE Slaughterhouses				Abies pectinata SEE Abies alba				pollen			68464*
Abdolominus SEE Lasiosomus				Abies pindrow			32897	soils			70408
Abdomen			3291	Abies pinsapo			50903*	taxonomy			68464*
Aeshna			106141	Abies procera			2850	varieties			91507
Anax imperator			14951	Abies sachalinensis		102744	71305*	Acacia angustissima			78964
Bombyx mori			53096*	Abies sibirica			102695*	Acacia arabica	69301	81085	104611
butterflies			5509	Abies veitchi			47245*	Acacia berlandieri			63077
cats		31590	3874*	Ablemma n g			94770*	Acacia calamifolia			88335
cattle		3576	3559*	Abolboda			88345	Acacia catechu			102993
Chrysis ignita group			5465*	Abomasal fistula		82285	103719	Acacia cornigera			77400
dogs	31577	52051	3874*	Abomasal torsion			13724	Acacia cyanophylla			40344*
31623*				Abomasum				Acacia cyclops			17747
Heteroptera		43174	95190	cattle		3654	3669	Acacia dealbata SEE Acacia decurrens			
Limnephilus			33515	31367		31418	41579	dealbata			
moths			5511	62306		62356	72128	Acacia decurrens dealbata			29419*
Pales maculata			105733*	103613		51948*	72151*	Acacia decurrens mollis			48072
Phormia terraenovae			5302	72289*		92596*	103656*	48146	50781	79882	100059
Pteronarcys			23961	diseases		103746	92558*	102697			
Pyrgus malvae			53478*	microorganisms			13002*	Acacia harpophylla		21467	80191
Rhodnius prolixus			33246	diseases			71808*	87157			
Abdominal hernia			22366	goats			104722*	Acacia mearnsii SEE Acacia decurrens			
Abelia grandiflora			49211*	sheep		4417	104612	mollis			
Abelmoschus SEE Hibiscus				82830*				Acacia melanoxylon			28235
Abies			57611*	Abortion				Acacia mollissima SEE Acacia decur-			
Canada			102502	camels			61715	rens mollis			
China			50572	cattle			41652	Acacia quintanilhae			8757*
clear cutting			71300	41702		72236	31109*	Acacia scorpioides			94916*
culture		61025	50711*	31437*		92204*	31348*	Acacia senegal			79891
cutting systems			102755*	causes		22162	41631	Acacia sowdenii			36791
ecology		68383	27421a*	12597*		41622*	62219*	Acalolepta			42962*
fungus diseases		57987	99278	62375*		72184*	72277*	Acalymma gouldi			94898
99337	57974*	57975*	99370*	103654*		103785*	103628*	Acalymma vittatum			73206
Germany				reviews			62285	Acalypta			95181
East Germany			46889*	diagnosis			12972*	Acalyptatae			33198
germination			40656*	Netherlands			62397	Acampe mombasensis			39265
growth			60979*	Pakistan			62352	Acanthaceae		37704	67806
injuries	2853*	21340*	40691*	reviews			62167*	Acanthaspidiotus n g			53383
measurement			102502	Rumania			62361*	Acanthinonychia n g			33502*
pests	73300	95234	14731*	causes			12597*	Acanthinus			43039
32903*				dogs			104037	Acanthocalycium			77395*
planting			91578*	foxes			3934*	Acanthocephalasis SEE Thorny-headed			
pulpwood			51231*	goats			63072	worms			
seedlings		57975*	91578*	42190*				Acanthocinini			83836
seeds			30421*	horses		22432	31698*	Acantholimmon	98918	57576*	57600*
soils			101874*	92881*			62594*	Acantholyda hieroglyphica			5445*
thinning			30334	laboratory animals			104179*	Acanthomyops			5476
USSR			70995*	sheep		4431	93675	Acanthoneura			105727*
varieties			50711*	42190*		93652*		Acanthopleura idirrhymica			14630*
wood	2971	40831	51300*	causes		13679	22804	Acanthopsyche siederi			14900*
Abies alba				63066*		63261*	104644	Acanthosis nigricans			41778*
bark			81521*	swine			82989	Acanthoscelides obsoletus SEE Acan-			
Corsica			71595*	32545*		93833*	93837*	thoscelides obsoletus			
Germany			40578*	causes		93833	13755*	Acanthoscelides obsoletus			63674
growth		50659	11991*	63261*		72184*	63239*	32803*	105627*		
hardiness			12097*	SEE ALSO names of abortion-causing				Acanthosis			3847
measurement		50659	11991*	diseases				Acanthosomatidae			5425
mortality			81102*	Abraxas			5696	Acarapis			94521*
pests			83548*	Abraxas grossulariata			53510	Acarapis woodi	94538	105447	73427*
Poland			67845*	Abricta ferruginosa			64119	94521*	105465*		
seedlings			12097*	Abyrna coenosa			105643	Acaricides SEE Insecticides			
seeds			91573	Abscesses				Acaridae		94722	94730*
wood	91688	61587*	71595*	buffaloes			3582	Acariformes SEE Acarina; Mites			
yields			30298*	cattle		3700	3713	Acarina		94713	73507*
Abies amabilis			23393	31464*		51824*	62234*	anatomy and physiology			14480
Abies balsamea			61532	causes			21893*	and disease			
crowns			102504	dogs			31580*	conferences and congresses			14066
ecology			569	horses			52119	Antarctic Region			23575
fungus diseases		333	345	mice			13410	Argentina	94678	94679	94758
growth		23387	56717	sheep			32282	Arizona			83807
injuries			61196	swine		93829	32446*	as parasites			53190
measurement		11980	102504	Abscission		872	9961	Auckland Islands			23539
mortality			73333	19023		28102	68726	Australia			94705
pest control			83538	69067		78784	89376	Australian Region			53179
pests			73333	100541			100349	biochemistry			53201
planting			50793	reviews			100089	breeding places			5062
pulpwood		21714	81504	Absidia			25679*	Bulgaria			94707*
release			50717	Absidia biappendiculata			37013	Chile			83779*
Abies concolor	30546	53032	61125	Absonal			103310*	China	105582*	105591*	105598*
63729	103071			Absorptiometer			62689	collecting			23567

\*Text of this reference is not in English.

\*\*Text of this reference is partially in English.

	Item			Item			Item	
Acarina--Cont			Accident prevention--Cont			Acer--Cont		
collections		94711	in forestry--cont			India		17638
Congo	14454	23559	Germany	60879*	60880*	insects		14725*
Costa Rica		5095	60890*		60882*	Japan		12436*
cytology		42925*	East Germany	11919*	11921*	pests	94468	95169*
documentation		94682*	New York		40532	physiological diseases	40699	78868
ecology	94718	33065*	in logging		30517*	pollen		27516a
Europe		14465*	Iowa		73924	seeds	48367	102773*
conferences and congresses		23562*	Italy		73914*	soils		11355
evolution		33072*	Missouri		7686	tapping		75822*
geographic distribution		5089	New York		73913	wood		12436*
Germany			New Zealand	15010	84247	Acer caesium		91747
East Germany	33059*	105192*	Ohio		23971	Acer campestre		23759
Great Britain	42906	63867	Poland		33520*	Acer carpiniifolium		100565
hosts		53173	Southern Rhodesia		64298	Acer diabolicum		100565
identification		23536*	Sweden		15009*	Acer ginnala		1894
immature stages	94710	42934*	USSR	73910*	84923*	Acer grandidentatum		89380
in soils		5091*	Accidents	7685	82358	Acer mandschuricum		78399*
India		63882	53730*			Acer marmoratum		100565
Italy		14436*	Australia		74148	Acer negundo	8947	100565
Japan		33033*	Denmark		95748*	Acer oblongum		17638
Java		94713	Germany			Acer palmatum	1284	2842
life histories		53173	East Germany	76618*	84253*	Acer platanoides	19995	48304*
Macquarie Island		23539	in forestry	40740	15008*	Acer pseudoplatanus		10003
Malaysia		5083	80870*	80873*	80875*	anatomy and physiology	68752*	78416*
Neotropical Region		33034	80899*	80960*		cytology		78416*
nomenclature		14420	Iowa		5643	pests		23759
73509	73515	73534	Kansas		95685	Acer rubrum	30351	95188*
North America		23545	legal aspects		108144	Acer saccharinum		79568
Philippines		94700	Ohio	23972	33519	Acer saccharum		48218
preserving		23567*	statistics	43404	73909	anatomy and physiology		1664
Republic of South Africa		94761	Sweden		95752*	biochemistry		69037
	94772	42918*	Accounting	7925	26875	breeding	102644	38590
South America		42917*	26882	45875	45877	Canada		102679
Spain	105578*	105579*	87130	87131	87138	culture		48974
stratification		53558*	Australia		97938	diseases	17995	19709
Southern Rhodesia		93965	Austria		87142*	drought resistance		47093
Tasmania		105580	Canada		108501	ecology	9357	102679
taxonomy	5071	5100	China	76380	108492	fertilizers		18430
23565	33046	53184	97940*	97941*	97945*	fungus diseases		50812*
53191	63869	63880	97949*			injuries		18188
83797	94695	94699	cooperatives		87146*	physiological diseases		61188
94732	94752	94766	Czechoslovakia		56533*	propagation	50852	48147
105559	105594	5076*	France		26877*	tapping	1664	102608
5080*	5092*	5099*	Germany	7924*	66875*	66192	66238	48949
14431*	14435*	14458*	66888*	108489*		tapping equipment		43603
53225*	63859*	63860*	East Germany		56557	Vermont		48980
63903*	83773*	94721*	7918*	7923*	7927*	wood		51319
terminology		42928*	Great Britain		16879	yields		19709
Texas		42934*	56540	76378		Acer saccharum grandidentatum	SEE	
Tunisia		105558	Hungary		7922*	Acer grandidentatum		
USSR		94759	Japan	35866	35868	Aceraceae		8852
Venezuela		5103*	56149*	87147*	87152*	Aceratium		57536
Western Hemisphere		73522	97948*			Acerentulus	95681*	106119*
Western States		42955	Kenya		66881	Aceria	5081	63880
SEE ALSO Hydrachnella; Mites; Ticks		5116	Michigan	87134	87141	Aceria cissicolae		94713
Acarine disease	73341	94499	87148	87151	108524	Aceria essigi		73277*
105447	105453	73427*	Mongolia		66880	Aceria ipomoeae		94713
94576*	105467*	94521*	Netherlands		56556*	Aceria neocynodonis	32868	32869
reviews		105465*	New Zealand		16883	94418		
Acarology		53229	Nicaragua		108498	Aceria phloeocoptes	83466	83465*
conferences and congresses		53165	Northern Rhodesia		16877	Aceria sacchari		83809*
SEE ALSO Entomology, economic;			Ohio		16877	Aceria sheldoni	14187	14173*
Mites; Ticks; and names of mites			Southern Rhodesia		16882	Aceria tulipae		52840*
and ticks		94722	study and teaching	87088*	87129*	Acerola	SEE	Malpighia punicifolia
Acarus			Sweden		56535*	Acestra		95201*
Acarus scabiei	SEE	Sarcoptes scabiei	Switzerland		56553*	Acetabularia	38576	58255
Acarus siro	23355	53008	Tasmania		108497	Acetabularia crenulata	48349*	58365*
Acarus telarius	SEE	Tetranychus	Texas		97946	Acetabularia mediterranea		28285
telarius			USSR	56551*	56534*	anatomy and physiology	19219*	58525
Accident insurance	7646	50444	84901*	56554*	66890*	19219*	27857*	68607*
	108148		Vermont		26947	biochemistry		100694
France		80875*	Virginia		87132	cultures		88151
Germany		56125*	SEE ALSO Budgets; SUBHEADS man-			cytology	99851	9542*
Italy	35503*	108140*	agement, finance; records UNDER			68602*		58365*
Sweden		86674*	Farms and farming; and UNDER spe-			morphology	9389	37738
Accident prevention	23973	25247	cific subjects			68607*		
43387	53614	53826	Acentropus niveus	33409		Acetabularia (fungus)	SEE	Cyphellopus
95965	15008*	43407*	Aceosejidae	SEE	Blattisociidae	Acetaldehyde		6870
Australia		106171	Acepromazine	SEE	Acetopromazine	Acetates	21701	6616*
Austria		95925*	Acer		2153	effects on Datura metel		89853*
California		40740	anatomy and physiology		95169*	effects on Euglena gracilis		69261
France		64301*	culture		101344	69262		
Germany	84245*	84246*	ecology		11355	effects on Neurospora		10276*
East Germany		53609*	fungus diseases		47419	effects on plant disease		68171
Hungary		53605*	germination		102773*			
in agricultural aviation		56772						
in forestry	2716	40451						
61309*		60889*						

\*Text of this reference is not in English.



Item	Item	Item	Item
Acetates--Cont	Acheta desertus	52894*	Acricotopus lucidus
in Bombyx mori	73463	14926	5231*
in cattle physiology	22201	53541	5593
in Chlamydomobryx	38477		
in Euglena gracilis	9959* 48597*	106091 106093 73879*	Acrididae
in goat physiology	4383	biochemistry	Africa
in Orchidaceae	96724	Canada	73874
in plants	27886 38639 89833 100173	cytology	anatomy and physiology
in poultry physiology	22547	eggs	64258 95567 53537*
in Prototheca zopfii	48532	Finland	biology
in ruminant physiology	71798	habits and behavior	California
		metamorphosis	Canada
		nutrition	China
		water relations	control
		weight and measurement	cytology
in sheep physiology	92084 52448 63094	42636 106092 73866	ecology
82782 82812		43329*	Ecuador
in silage preparation	71632*	14769*	eggs
in soils	60170	46820*	food and host plants
in tomatoes	89799*	36789*	genetics
Acetazolamide	41560	77327*	geographic distribution
Acetic acid	8599	Achillea millefolium	Great Britain
bacteria	6738 74583*	Achillea nobilis	5589
chemistry	6670	Achillea virescens	habits and behavior
effects on plants	1358	Achlya	53544
fermentation	24717*	Achlya ambisexualis	hearing
in cattle nutrition	106814*	Achnanthes	901
in poultry physiology	12915	88469 36956*	identification
in sheep physiology	93277*	Achras sapota SEE Sapodilla	India
in soils	4355	Achroea SEE Achroia	life history
processing	101816*	Achroia grisella	73850 106073*
Acetic thiokinase	81528*	Achromycin SEE Tetracycline	Malagasy Republic
Acetides	69219	Achrysocharella formosa	molting
Aceto-carmine	78954	Achrysocharella ruforum	North America
Acetoacetates	99083	Achrysocharis	5595
Acetoacetic acid	42161 42162	Achryson	North Dakota
Acetobacter	6184	Achrysophagus insolitus	53542
Acetoin SEE 3-Hydroxy-2-butanone		Acid Blue Black	5570
Acetolactates	1414 38531	Acid-fast stain	parasites
alpha-Acetolactic acid	74340	Acid soils SEE Soils, acid	populations
Acetone	15468 79059 79060	Acidophilin	Somali Republic
94101 100687		Acidophilus milk	sonification
effects on seeds	9924	Acids	53532 14917 23923
in insecticide research	63386	effects on fibers	53532 95580 95581
in molasses	53531	in food processing	weight and measurement
in plants	69193	in milk	Western States
vaccines	104928*	in plants	5595
Acetone bodies SEE Ketone bodies		SEE ALSO names of acids; and	53526
Acetone-butyl alcoholic fermentation	7478*	UNDER names of commodities	3721*
Acetone peroxide	34948 75475	Acineta chrysantha	
Acetonemia SEE Ketosis		Acineta superba	Acridinae
Acetonitrile	97084*	Acinia picturata	Acridine orange
Acetopromazine	62300	Acipitilia	89252* 103698
Acetosa SEE Rumex		Acipitilia apollina	
Acetosella SEE Oxalis		Acipitilia nephelodactyla	Acridocarpus
Acetoxypheyl mercury	99536*	Acipitilia xanthodactyla	Acridoidea
Acetropis (Paracetropis) n sgen	95268*	Acleris	Afghanistan
N-Acetyl-4-amino-antipyrine	52458	Acleris permutana	Africa
52459 52460		Acmaeoderella	anatomy and physiology
Acetyl-methionine SEE Methionamine		Aconitase	5587*
Acetyl value	35173	Aconitum	Comoro Islands
N-Acetylcandidin	100166	biochemistry	cytology
Acetylcholine	4655 14884 42114	Eastern States	73854 106102
62665 83699 73879*	82371*	Himalayas	Eastern Hemisphere
104173* 104204*		morphology	geographic distribution
reviews	53131	pests	Iran
Acetylcholinesterase SEE Cholinesterase		Acontia graellsii	locomotion
Acetylene	51284	Acorns	Malagasy Republic
Acetylene compounds	19421 28379*	81154 108955 9929*	14921 53526
89791*		Acorus calamus	nymphs
Acetylenic acid	1307	Acraeidae	23934
Acetylmethylcarbinol SEE 3-Hydroxy-2-butanone		Acrasiales	parasites
Acetylpromazine	71789	Acrasieae	84002
Acetylsalicylic acid	13277 13506	Acraasiella n g	Republic of South Africa
42038 72615		Acraasiodes n g	taxonomy
Acetylsulfamethoxypyrazine	31446*	Acreage and area	106085 106086 106100*
N1-Acetylsulfanilamide	62364*	54344 74539	types
Acetyl tetrahydroxyquinoline	94174*	adjustments	weight and measurement
Achaea	105962	34192 97811 108590	3363 17540 104194
Achaearanea tepidariorum	42953	allotments	Acridopsis
Achaera n g	43277*	Australia	88406
Achaetomium n g	88545	Belgium	Acriulus
Achatina fulica	94034	Canada	57586
Acherontia atropos	33367 33395	China	Acrobasis caryae
33424 43240 53476		Germany	Acrobasis scitulella
Acherontia styx	5532	Great Britain	42697
Acheta	23919*	India	Acrocercops
assimilis SEE Gryllus pennsylvanicus		74552 85054	Acrocercops lacinella
		Sweden	Acrochaetium
		USSR	Acrochila n g
		Venezuela	Acroclinius SEE Helipterum
		SEE ALSO UNDER names of crops	Acrodactylus
			Acrolepia assectella
			Acrolepidozia n g
			Acrolepis assectella
			Acrolyta
			Acromia n g
			Acroneuria
			Acroneuria pacifica
			Acronicta rumicis
			Acronothrus
			Acronycta SEE Acronicta
			Acrophorus
			Acrophymus
			Acrophymus rossi
			Acrophymus veseyi
			Acropimpla
			Acropsilus protractus

\*Text of this reference is not in English.





Item	Item	Item	Item
Adrenal glands--Cont	Aedes aegypti--Cont	Aenictus	33303
swine	hosts	Aeolopus SEE Aiolopus	
52620* 32381 4548* 42312*	insecticide resistance	Aeolothrips	64285
103213* 104891*	63412 73050 94005 23023*	Aeonium decorum	8660
Adrenalin	larvae	Aerangis biloba	37773
effects on animals	105787	Aerangis ellisii	39250
effects on Blaberus craniifer	longevity	Aerides	10826 27617a
effects on cattle	microorganisms	Aerides multiflorum	19393
effects on Periplaneta americana	nutrition	Aerobacter	44900*
	parasites	Aerobacter aerogenes	41677 41678
	populations	41679 55013 62182 103630	
effects on poultry	pupae	Aerobacter cloacae	99546
effects on rabbits	rearing and breeding	Aerobryopsis longissima	88443
effects on swine	5362 5367 33230	Aerobryopsis scariosa	88443
in dog physiology	smell	Aerochoreutes stenometopus	33482
in Muscina stabulans	Southeastern States	Aerococcus viridans	107600
in poultry physiology	sterilization	Aeropedellus clavatus	73850
Adrenergic agents SEE Sympathomimetics	63457 73123 105002	Aerosols	
Adrenocorticotrophic hormone SEE ACTH	surveys	application	52710
Adreson SEE Cortisone	tagging	application equipment	93967 94150
Adsuki beans	variation	106369*	
9361 29087 48023	water relations	cacao pest control	73269
44587*	weight and measurement	cockroach control	4900 83240
Advertising	Aedes albopictus	containers	23086 94415*
34064 74388 74419 34051	14718	deposits	52695
Austria	Aedes antipodeus	field crop pest control	17932 63538
Europe	Aedes aurifer	32751*	
Germany	Aedes australis	fly control	42463
research methods	Aedes calceatus	formulations	63390 73066
SEE ALSO SUBHEADS advertising;	Aedes cacozelus	73166 93950	
public relations UNDER specific subjects	Aedes cantator	fruit pest control	23307* 32836*
Advisory services SEE Extension work; and UNDER specific subjects	Aedes dorsalis	63637* 68213*	
Aeaea	Aedes furcifer-taylori group	greenhouse pest control	94415*
Aecalus n g	Aedes hamoni	herbicides	49507*
Aechmanthera	Aedes hendersoni	human pest control	83240 94113*
83*	Aedes ioliota	in veterinary medicine	12618
Aechmea	Aedes maculatus	12982* 31032* 31041*	
Aecidium carthami	Aedes melanimon	62525* 82635*	
Aecidium mori	Aedes milsoni	insect control	63396
Aecidium physalidis	Aedes mombasaensis	mosquito control	4750 73166
Aedes	Aedes nigromaculis	94150 94194 94228	
Africa	Aedes nocturnus	ornamental plant pest control	94415*
and disease	Aedes (Ochlerotatus)	plant disease control	17932* 18073*
California	84019	poultry pest control	42513*
control	Aedes patersoni	propellants	4677 24477
eggs	Aedes paulusi	tests	52710
fecundity	Aedes pembraensis	SEE ALSO Food, pressurized	
Florida	Aedes poicilius	Aerva tomentosa	27594a
larvae	Aedes rusticus	Aesandra	141
Minnesota	Aedes scutellaris	Aeschna SEE Aeshna	
populations	Aedes sierrensis	Aeschynetus	95201*
pupae	Aedes sollicitans	Aesculus	46855*
rearing and breeding	52821 94075 94127	Aesculus glabra	22602
research methods	Aedes spilotus	Aesculus hippocastanum	28231 48367
statistical	Aedes stimulans	1322* 78981*	
taxonomy	33220	Aeshna	106141
weight and measurement	Aedes stricklandi group	Aeshna cyanea	64250 14971* 106125*
Aedes aegypti	Aedes subalbirostris	Aeshna viridis	95613*
adaptation	Aedes taeniorhynchus	Aethalotus	23769
anatomy and physiology	52821 53370 94194 105802	Aethes	64222 106036
14720 43135 84018	Aedes togoi	Aethionema	98907*
and disease	Aedes turneri	Aetholaelaps trilyssa	63857
14009 14028 32651 32712	Aedes vexans	Afforestation SEE Reforestation	
32733 52767 63459 73159	Aedes vexans nocturnus SEE Aedes nocturnus	Affentula	73576
83218 94221 14051*	Aedes vigilax	Afissa	73576 105640
bacteria	Aegeria apiformis	Aflatoxin	3116 21871 41333
biochemistry	Aegeria culiciformis	43910 47301 68169 75681	
biology	Aegeria melanocephala	82215 86306 97192 86283*	
control	Aegeria myopaeformis	103568*	
biological	Aegeria tipuliformis	reviews	81735
chemical	Aegeriidae	Afraegle	75214
63457 83240 94005	23815 42654 95390	Afraethalotus n g	23769
94123	42763* 105925*	control	41856 93888*
4730 42412 73050	Aegilops	Europe	82464*
cytology	Aegilops caudata	immunization	31691
development	Aegilops squarrosa	mice	62616
digestion	Aeginetia indica	Republic of South Africa	31676
eggs	Aegle diatema	vaccines	22425 22444 82462*
84020 105804	Aegle marmelos	62625 13385* 13374*	
embryos	Aegognathus	virus	31714 41846
enzymes	Aegopodium podagraria	62615 62616 62624 62625	
eradication	Aegosoma scabricorne	82455 82456	
fecundity	Aelia	African migratory locust SEE Locusta migratoria migratorioides	
feeding habits	Aellenia autrani	African oilpalm	20359 60516
fertility	Aellopideus SEE Rhyparochromus (Aellopideus)	anatomy and physiology	9996
genetics	Aeneolamia postica	28131 58879 68806 86326*	
64073 95152 105800	Aeneolamia varia saccharina		
habits and behavior	33255 52872		

\*Text of this reference is not in English.







	Item			Item			Item	
Agricultural education--Cont	higher--cont		Agricultural education --Cont	statistics		Agriculture--Cont	bibliographies	
	Morocco	46122		87384	36058*		7796	16731
	Netherlands	87418*		56784*	56786*		16755	27115
	New York	98136		Sweden	46140*		36059	36125
	North Carolina	46187		Switzerland	8123*		66668	76179
	Northern Ireland	17064			56903*		87836	108346
	Pacific Northwest	8133		teacher training and supervision			66683*	108276*
	Peru	17032*			8109		Argentina	86842
	Philippines	76650			36070		Arctic Region	7737
	Poland	17040*			36071		Australia	108246
	76593*	36585*			107579		Burma	69425
	76629*	87425*		Arkansas	87446		Canada	97705
	policies and programs	36093		Germany	56819*		China	16693
	36111	36112		Great Britain	56897		Italy	16733*
	Scotland	87521		India	87507		Lithuania	66648*
	South Dakota	36071		USSR	108689*		Poland	87905
	Sweden	36095*		Yugoslavia	56198		87905	66732*
	Taiwan	108731		Agricultural engineering SEE Engineer-			Republic of South Africa	57185
	Texas	27111		ing			Scandinavia	86832*
	Tunisia	46122		Agricultural experiment stations SEE			Sweden	66709*
	USSR	8073		Experiment stations			Taiwan	67158
	17068*	87528*		Agricultural extension SEE Extension			USSR	16763*
	history	46135*		work			35652*	45622*
	98157*	46177*		Agricultural history SEE History			7763	36046
	Hungary	17071*		Agricultural ladder	108575*		44917*--44923*	66711*
	India	27094		Agricultural policies and programs SEE			British Commonwealth	66723*
	Ireland	36085		Policies and programs			British Guiana	35623
	Italy	17086*		Agricultural products	15368		Bulgaria	108305*
	Jamaica	108717		66594*	35629		Burma	35590
	Japan	87504		analysis and composition			California	27369
	Latin America	108734*		33992	64746		27369	35594
	Luxembourg	67144*		Cameroon	84817		66657	76738
	materials and methods	8082		contamination	24465		87831	76105*
	87126	108717		84817			Cameroon	108355*
	98183*	46202*		dictionaries	64727		reviews	97698*
	Austria	46164*		drying equipment	15200*		Canada	8232
	Germany	17059*		France	66360*		26686	27370
	India	87450		Israel	84748*		26686	27370
	Netherlands	56823*		Italy	44118*		56837	76188
	Poland	76630*		production regions	56283		97713	98463
	Mexico	87386*		quality	6137		108352	109018
	Netherlands	17038*		regulation and inspection	54192		76180*	56291*
	Northern Ireland	56848		106694			Canary Islands	45647*
	Norway	8114*		France	6114*		Caribbean area	108337*
	76610*	87393*		India	76789		Ceylon	76219
	Paraguay	36114*		Japan	24449*		Chad	108241
	Poland	56803		Nigeria	44040		China	7766*
	76594*	98161*		Republic of South Africa	43985		56023	58941
	policies and programs	17027		USSR	106623*		26611*	45661*
	26673	56889		situation and outlook	26154		45661*	108243*
	108701	109238		84752	108258		Christmas Island	76104
	Belgium	67109*		Australia	96083		Colombia	26601*
	Canada	56837		Canada	24316		76901*	66678*
	Colombia	26644*		France	24338		Colorado	17251
	Germany	76638*		Germany	84748*		Congo	17251
	India	87468		Great Britain	96870*		Costa Rica	35426*
	Poland	56858*		India	15361		Curacao	7760
	Taiwan	46125*		Italy	66714		Cyprus	36397
	Republic of South Africa	76633*		Mexico	24334*		Dahomey	108990
	Rumania	46127*		Nigeria	8287		Delaware	57166*
	secondary	8082		Norway	96134*		Delmarva Peninsula	8372
	17050	27081		Pakistan	76266		Denmark	17186
	67176	67193		Thailand	16747		26692*	7774*
	79417	87126		substitutes	76761		26692*	7774*
	Arkansas	87517		Tropics	24317		45662*	56306*
	Denmark	56763*		Uganda	7776		56306*	56323*
	directories	17078		Venezuela	15376*		desert areas	20791
	Germany	17039*		SEE ALSO Materials handling; Raw			developing areas	49927
	East Germany	17059*		materials; and names of products			56284	56393
	Hungary	98196		Agricultural situation and outlook SEE			dictionaries	67507
	Illinois	8098		Situation and outlook			directories	108348*
	Japan	108709*		Agriculture	35605		Belgium	35723
	Latin America	46194*		76159*	35609		California	27366*
	Louisiana	26542		Aden	76929		Germany	16707
	Michigan	8086		Afghanistan	16673*		Pennsylvania	56274*
	Minnesota	26504		Africa	27619		Portugal	76112
	108528	108529		108355*	33560		Ethiopia	76149*
	Norway	27087*		Alaska	102280		Europe	66632
	Philippines	67183		Algeria	76157*		108237	17049*
	Poland	46188*		Angola	16711*		108237	17049*
	policies and programs	76657		Antigua	87821		European Economic Community	76216
	Sweden	76614*		Arizona	108226		86787	86841
	Tennessee	36072		Australia	7773		45678*	97758*
	USSR	27072*		26590	27408		Fiji	17254
	Virginia	67150		67489	108280*		Finland	27168
	situation and outlook	36063		Austria	45709*		86914	7821*
	Spain	87495*		108227*	76138*		109006*	76916*
		98166*		Bahamas	17247		France	26675
				Basutoland	87823		16737*	26592*
					67466		76171*	86838*
							97762*	86856*
							French West Indies	87697
							Germany	26606*
							46071*	56305*
							97551*	97737*
							East Germany	97701*

\*Text of this reference is not in English.

			Item				Item				Item
Agriculture--Cont				Agriculture--Cont				Agriculture--Cont			
Great Britain			24335 26588	North Dakota			76107	Singapore			16746
35602 35702			45667 56277	Northern Ireland			24794 109028	Somali Republic			97694*
56330 66688			76110 76113	Northern Rhodesia			17277 17287	South Carolina			24580 24581
76130 86799			97791 97739*	26707*				24582 24583			26701 26702
Greece			109224 45649*	Norway			17273* 26696*	26703 26704			27186 106745
Guam				35606*			76170* 76906*	Southern Rhodesia			17287
Guinea				76907*			87849* 87884*	Southern States			66577 66584
Haiti			8380* 8381*	97740* 109035*				66652			
Hawaii				Okinawa			35631*	Southwestern States			89019
Hong Kong			76145 87850	Pakistan			16726 45423	Spain			7751* 76106* 108230*
Hungary			66667 54353*	Papua and New Guinea			27405 109030	Sudan			16753 97693*
108316*				Pennsylvania			57195 35662*	Surinam			56239 27423* 87882*
Iceland			67474* 76898*	Peru			16757	surveys			86871
Illinois				Philippines			17284	Swaziland			8405 95624
in art				Poland			97792 8279*	Sweden			4442* 7843* 8374*
in heraldry				productive capacity			7749 7769	8389*			17274* 17275* 17281*
in literature			45633* 77062*	26418 26555			33976 35647	17292*			26623* 26646* 27169*
India			16709 16719	35712 35716			44528 45734	27363*			27387* 27392* 27421*
17263 35665			35666 35705	54089 56332			57009 66573	27432*			35697* 36380* 36423*
56724 66619			66729 102165	66717 76203			76923 97708	45968*			46504* 57202* 57204*
108040 35615*				97784 98668			106541 108647	57205*			67482* 67495* 67506*
Indiana				15367*			16748* 66645*	76121*			76917* 76930* 87879*
Indonesia			46090 86867	86835*				98473*			108997* 109050*
Iran				Australia			35691 35695	Switzerland			42827*
Ireland			16695 17259	Belgium			26654 66560*	Tanganyika			16754 27424 67502
17290 76918			87851 109008	Bulgaria			66582 66609	terminology			43876* 45665
Israel			26649 29974	Canada			8250 35435	Texas			45688 56292 97731
16706*			16745* 45623*	China			45684 76147	Thailand			8406* 16675*
97781*				87317				Tonga			57208
Italy			26674 66714	Denmark			26654 66594*	Tropics			58188 66669* 98170*
45634*			45666* 45830*	developing areas			26622 45724	Trust Territory of the Pacific Islands			86926
86810*			97736* 97751*	86839*				Tunisia			56285 16663* 27010*
Jamaica				Finland			76218*	Turkey			26693
Japan			16656 8387*	France			7753*	USSR			7762 7814 66634
35633*			35642* 35654*	Germany			35630 6241*	66731			86826 7786* 16700*
86792*			108156*	45702*			86818* 97551*	26666*			45661* 86935* 102133*
Jordan				97760*				102286*			108025*
Kansas				East Germany			35593* 45743*	USSR bloc			7762 66600*
Kentucky			35696 45725	87314*			97760* 106545*	United Arab Republic			97696*
Kenya			26698 27619	Great Britain			26654	United States			7813 56257
67481 76215*			97723*	Hungary			56515 7738*	56270			56281 56284 56299
Korea				India			16743 26619	56346			56760 56827 66568
Lake States				108242 108252			108268 108270	66583			66597 66696 86800
Lebanon			66694*	108317 108322			108325 108332	86811			86864 97726 108344
Liberia				35734*			44856* 86905*	97722*			
Lithuania				Ireland			86858	97737*			106552*
Louisiana				Israel			108347	Uruguay			7747
Malawi			17279 17287	Italy			7758* 56318*	Utah			58829
Malaysia			7775 67497	Japan			76223*	Venezuela			66660 35727* 78938*
Malta			35600	Louisiana			7816	Vermont			87902*
Marajo Island				Mexico			26687*	Vietnam			97724*
Mauritius			67483 87862	Missouri			66819	Virgin Islands			17249 76940
Mexico			35636 97744	Netherlands			26654 86876*	Virginia			36424 78903
76203*			87864*	New York			7794	Washington			35721
Michigan				New Zealand			7788 27232	West Indies			66989
Minnesota				Northeastern States			7819	Western Samoa			46531 109054
Montana				Philippines			16668 108250	Wisconsin			17301 36018
Morocco			76120 56310*	Poland			56297 66710	Yugoslavia			7820* 35597* 108279*
mountain areas			16719 35666	8110*			56460* 56461*	Zanzibar			26698 109056
35705 50465*			76171*	Rumania			56498 86850	SEE ALSO Capitalism and agriculture;			
native				97726*			97709* 97727*	Communism and agriculture;			
Bolivia				Spain			97703 45730*	Socialism and agriculture; and			
Congo Basin				Switzerland			26620* 87366*	UNDER Aircraft; Industry; Science			
Kenya			26809	Tanganyika			97787	Agrilus			23600*
Malagasy Republic				Thailand			16747	Agrilus pistaciophagus			53233*
Papua and New Guinea				USSR			54378	Agrilus rubicola communis			14176
56249				66573 76197			76209 16748*				53244
Republic of South Africa			66555	86911*			97699*	Agrilus suvorowi			73299
Tanganyika			80240	Vietnam			66670 97552	Agrimonia eupatoria			89188*
Tropics			84340*	Western States			16732	Agrimycin			99554
Uganda			7776	Yugoslavia			26661	Agrindus			56025
Nauru			26591	regulation			35596 45687	Agriocnemis			14940
Near East				76192 86910			16713*	Agriionidae			5618 14972
Nebraska			16720	35711*				Agriotes			42591 4812* 42995*
Nepal			16825	France			35648* 35649*	Agriotini			94948
Netherlands			109225 17268*	108253*				Agrobacterium tumefaciens			435
46511*			70753*	Germany				9177			9180 9182 18242
New Guinea				East Germany			7792*	47437			47454 68248 77868
New Jersey				Yugoslavia			76206	99560			9175* 18256* 18257*
New York				Republic of South Africa			17285	18258*			27267a* 27274a* 37412*
New Zealand			17270 76168	87878 16678*			97715*	37414*			47



Item	Item	Item	Item
Agroeca brunnea 5097*	Agrophaspis n g 53383	Air pollution 249 42376 47103	
Agroelymus palmerensis 58262	Agropyron 18836*	63560 67659 68052 102330	
Agrologists 20366 90786	anatomy and physiology 27960*	89660* 91627* 98116*	
Agromyza 23700 95078 105770	cytology 18700*	conferences and congresses 67486	
105749*	genetics 18747 37914 58390	effects on Abies 21340*	
Agromyza obtusa 14656 14798	18700* 18771*	effects on animals 46494 58831	
Agromyza rufipes group 105749*	hybrids 1526 10379 37914	62242 58559* 61710*	
Agromyzidae	59258 18771* 18836*	effects on cattle 31376* 41636*	
Africa 14674 105770	morphology 78106	effects on Cotoneaster integerrima 9785*	
anatomy and physiology 14656	planting 27960	effects on cotton 18031 85610	
as pests 14624	Agropyron cristatum 18521 18644	effects on cucumbers 68872*	
Australia 64050	37990	effects on Fagus sylvatica 102784*	
feeding habits 73287	Agropyron desertorum 18644 28636	effects on fruit 88598*	
food and host plants 5219 5299	28698 50159	effects on hardwoods 40701	
73287	Agropyron elongatum 17658 18747	effects on Lepidoptera 105990	
immature stages 5219	79341	effects on peaches 257	
India 73287 95084	Agropyron humidum 77377	effects on pears 9785*	
Iran 33156	Agropyron inerme 1251 70577	effects on Petunia 37047 68006	
Malagasy Republic 5324	Agropyron intermedium 9636 18999	effects on Picea 21341* 61202*	
Neotropical Region 23700	79339	effects on Pinus 240* 12152*	
New Caledonia 23696	Agropyron junceum 9436 9437	61189* 61192*	
Pacific area 95078	Agropyron repens 100186	effects on plants 309 9920	
parasites 5464 53361*	anatomy and physiology 997* 10131* 38475*	27024a 46494 47144 48383	
Poland 95065*	control 11008 29317 79849	58831 17992* 27038a* 57761*	
Polynesia 73670	101483 59940*	58559* 68001* 88576* 88583*	
taxonomy 5299 73631 73676	chemical 2064 11014 59933*	88585* 88592* 88607* 88626*	
105749*	Canada 79783	88647* 88654* 88656* 89365*	
Agronomists 28412 45456* 86736*	Germany 70049*	conferences and congresses 88635*	
101026* 108674*	East Germany 90671*	effects on Populus tremula 9785*	
Agronomy 19442 59117 69336	Great Britain 59949	effects on poultry 93255*	
89979 108815	Hungary 49433*	effects on Pseudotsuga menziesii 12429*	
associations 40340	Sweden 90633*	18003	
Austria 38676*	Netherlands 49413*	effects on tobacco 61209* 71307* 71310*	
bibliographies 59132*	Poland 49436*	reviews 71306*	
conferences and congresses 10284	Scotland 79865	effects on weeds 88611	
59120 100740	Sweden 101501*	effects on Xanthium orientale 9906	
Canada 38669	Wyoming 20214	hazards and safeguards 46494	
Georgia 59102	cytology 9437 27548a*	legal aspects 96240*	
Latin America 28426* 28427*	ecology 68390 100373	Air sac disease SEE Chronic respiratory	
Louisiana 28419 59124	fungus diseases 77697	disease	
Portugal 1469*	morphology 89083*	Air sacs 32118 22635 26198 26199	
Czechoslovakia 10286*	pests 42628*	32118 31911*	
Far East 33968	residues 11365	Aircraft	
Florida 69351	Agropyron spicatum 98875	disinfestation 23101 73166	
France 48656* 48659* 84334*	Agropyron smithi 49997 69069	hazards and safeguards 74172	
Germany 1466* 28530* 70420*	Agropyron trachycaulum 89255	in agriculture 5873 53821	
79108 86836* 89964*	Agropyron trichophorum 18521 39520	53826 53834 53836 53848	
East Germany 28421* 48669*	Agropyrum SEE Agropyron	53856 56772 64520 64524	
Great Britain 1462 1465	Agrosan 38463*	74153 84588 85051 106411	
56396 59116 59131 69349	Agrostemma githago 49518	53877* 53880* 53881*	
India 59128 19447 28412 28413	reviews 72632*	California 60656	
59128 79098	culture 59767*	conferences and congresses 53873	
Ireland 38657	diseases 47106	53874	
Israel 69361	ecology 84115*	France 64523*	
Italy 1450* 38678*	seeds 59767*	Germany 84568*	
Louisiana 10293 59123 69354	weed control 29167 29194	East Germany 64546 53833*	
Netherlands 1470* 10290* 59113*	yields 19659	Hungary 15253*	
79093* 79107*	Agrostis alba 616* 28283*	Israel 5852	
Nevada 1460	Agrostis palustris 27363a 37213	Italy 5874* 106383*	
New Hampshire 10306 38670	Agrostis spica-venti 79752* 101569*	Japan 33777* 33780* 33781*	
North Dakota 59118	Agrostis stolonifera 90381 19175*	33783* 33794* 33825* 43660*	
Pakistan 38661	Agrostis tenuis 494 47644	43675* 84585* 84589* 84614*	
Pennsylvania 19443	104999	legal aspects 47178 106402*	
Poland 19449* 38664*	Agrotidae SEE Noctuidae	New Zealand 45987	
research methods 10288* 58850*	Agrotis ipsilon 14129 42613 63375	Norway 84582*	
79085*	64193 64241 95509 105169	USSR 10672* 15238*	
statistical 1455 1457 11156	106035	in brush control 21244 90674	
28407 28415 37943 38672	Agrotis orthogonia 73823	in brush fire control 71325	
58900 69342 69346 69374	Agrotis saucia SEE Peridroma saucia	in economic poisons application 64422	
69478 69657 79285 1463*	Agrotis segetum 105169 14866* 32798*	64429 64529 106367	
1464* 1488* 9450* 10288*	42587* 43259*	in entomological research 73333	
19466* 19471* 28411* 28436*	Agrotis ypsilon SEE Agrotis ipsilon	in fertilizer application 29708	
48670* 59107* 69383* 79104*	Ahynpon 61805*	64419 64422 81044 95825	
100738*	Aidomyia 83957	53733*	
research programs 28414 59109	Ailanthus 99924*	Appalachian Mountains 60510	
79099 59134*	Ailanthus altissima 18605* 61463*	Italy 106284*	
South Dakota 69364 69365	Ailanthus excelsa 59015	Lithuania 40077*	
study and teaching 20066 20977	Ailanthus glandulosa SEE Ailanthus	New Zealand 29680	
26233 28430 89973 100742	altissima	in forest fire control 2865 30452	
1668* 28410*	Aimermann pine moth SEE Dioryctria	50953 61213 61214 71322	
Switzerland 48674*	zimmermani	71326 71330 71331 81221	
USSR 10292* 20364* 79095* 79109*	Aiolopus strepens 13912* 13932*	102805 30451* 102792* 102804*	
59122* 79084* 79095*	14910*		
USSR bloc 69352	Aiolopus thalassinus 64253 64254		
Vermont 10306 38670	Air conditioning SEE UNDER specific		
Yugoslavia 19444*	subjects		

\*Text of this reference is not in English.

	Item			Item			Item	
Aircraft--Cont			Albinism--Cont			Alcoholic beverages		
in forest fire control--cont			asses	104083*		consumption		85097*
reviews		71320	cattle	81931		India		106538*
in forestry	30503	40540	dogs	92774*		manufacture	6261*	34260*
71385	81297	85051	Panonychus citri	14488		taxation		56138*
53880*	84568*		plants	817	47864	trade		
Canada		21429	1005*	48050*		Great Britain		27252*
Great Britain		81194	poultry			Morocco		27273*
Iowa		102481	Albiorix	31747		Spain		27279*
Japan		80987*	Albizzia falcata	33035*		SEE ALSO names of alcoholic beverages		
USSR	40731*	71164*	Albizzia julibrissin	47194	77695	Alcopar SEE Bephenium		
102779*			99344	78391		hydroxynaphthoate		
in nematode control		74142	Albizzia lebbek	78978		Aldehyde oxidase		25368
in pest control		14260	Albizzia odoratissima	3013		Aldehydes		6006
14272	14276	23398	Albizzia procera	69199		determination	24615	45086*
42420	47126	52737	Albugo	18213		effects on Petunia	37047	68006
57838	63592	63705	Albugo candida	9114	9165	in fats and oils		45181
94037	94201	94270	68110	99833		in food	33983	66024
105007	105158	23404*	Albugo pestigridis	88513		in rumen		71747
83572*	105033*	105051*	Albumin	65739*	26265*	in silage		103125
106370*	106373*	106375*	effects on rabbits	13618*		in tobacco		55986
Canada		53022	in Leguminosae	69305		Alder SEE Alnus		
Florida		94067	in swine physiology	22944	4463	Aldia n g		14981
France		84577*	in wheat	55319*		Aldolase	16025*	31547*
Germany		53018*	in urine	72406		Aldoses		38311
East Germany	13998*	63714*	Alcaligenes	93206		Aldosterone	31725	52413*
73258*	83553*	94371*	Alcea	57667	17815	Aldrin		
Italy	42581*	83464*	Alchemilla	98950*	98888*	ant control	32577*	93984*
105064*	106377*	106378*	Alchemilla arvensis	131*		application		42602
Japan		24167*	Alchemilla cymatophylla	17776*		cacao pest control		52970
Libya		77568*	Alchemilla filicaulis	98857		corn pest control		42603
Mexico		4845*	Alchemilla minima	98857		date pest control		42686
Netherlands		52703	Alcides (Coleoptera) SEE Alcides			dosage		83133*
Ohio		77582*	Alcidodes	5190		effects on aquatic insects		83177
Poland		105362	Alcidodes porrectirostris	94355		effects on arthropod populations		52741
Portugal		73201*	Alcohol	8576	65410*	effects on insect populations		52856
Republic of South Africa		73320	89789*			effects on rats		52727
Sardinia		42753	effects on Armillaria mellea	19234		effects on rice		42375
Spain		105407*	effects on beets	69055		effects on Tabanidae		14077
Texas		53054*	effects on cattle	62301*	12984*	field crop pest control	14111	73210*
USSR	53044	94297*	effects on plants	48046	27800	fly control		4781
Washington		53030	effects on poultry meat	97300		formulations	42602	104983*
in plant disease control		47126	effects on ruminants	103185		fruit pest control	73210*	83438*
74145	57980*	95921*	effects on rye	69055		household pest control		73296*
105033*	105051*	106368*	effects on seeds	9834*		in carrots		42602
106373*	106375*	106370*	effects on soils	39714	80043*	in soils	14076	42450
Australia		57838	effects on Tenebrio molitor	23589		in wheat		13931*
France		77644*	effects on wool	54807		insect resistance	13913	14111
Italy	341*	84578*	feed	12877		23033		
106377*	106378*		from cherry waste	96818*		livestock pest control		105050
Japan		24167*	from grain	85919*	34895*	metabolites	42602	52727
Netherlands		77582*	from molasses	34260*	7478*	pea pest control		94326*
Texas		47100	45350*	97452*		peanut pest control		88830*
in seed planting		64429	from potatoes	34895*		pear pest control		83438*
Australia		33678	from sugar	44151*	19387	physiological action		4781
California		10438	from wood	21653		plant pest control		52741
Japan	33676*	33680*	in cacao	48156		potato pest control	42613	63535*
in weed control		33778	in Calliphora	64038		83330*	105234*	
90729		70063	in cattle nutrition	72033		properties		105039
Australia		53809	in Chlorocloster engadinensis	78431*		regulation and inspection		83175*
California		90598	in corn	68794*		rice pest control	23186	105216
France		101573*	in fats and oils	55620		23185*		
Germany			in feed	51704*	51699*	tick resistance		105050
East Germany	74135*	101487*	in food	84805		tobacco pest control		14111
Japan		77568*	in grain	38310*		toxicity	13991	83161
Nebraska		101462	in Lichenes	100675*		13931*	42504*	
Netherlands		77582*	in Lichina pygmaea	1400*		Alectoria		17878*
USSR	11100*	29161*	in milk	74739		Alectoria crispa		17877*
SEE ALSO Photography, aerial; and			in oilseeds processing	16341	7254	Alectorobius alactagalis		14030*
SUBHEADS dissemination, by aircraft			in plants	100198	19268	Alectra parasitica		69294
UNDER Insects; and transportation,			in rumen	51388		Alectrolophus glaber		29361*
by air UNDER specific subjects			in seeds	38310*		Aleochara		83858*
Aizoaceae	8852	18524*	in semen dilution	3351		Aleochara deserticola		14520*
Ajuga makinoi		98986*	in Sesbania grandiflora	79063*		Aleochara lanuginosa		5120
Ajuga yezoensis		98986*	in silage	103145*		Aleochara mrhairsensis		14520*
Alabama argillacea	64207	23239*	in spinach	18803		Aleocharinae	14539	83858*
Alanap SEE N-1-Naphtylphthalamic acid			in sunflowers	68794*		Aleppo pine SEE Pinus halepensis		
Alangium lamarcki SEE Alangium			in tomatoes	78476		Aletes		77415
salviifolium			in vegetable processing	6870		Aleuritic acid		93983
Alangium salviifolium		38521*	in wine	96306	96271	Aleurocanthus speniferus		83850
Alanine	1370*	32011*	96331	44234*	54438*	Aleurocanthus woglumi	83477	94378*
104464*			trade			94409*		
beta-Alanine	78925	83702*	Spain	46421*		Aleurocorticium n g		88534
Alanine transaminase		82157	vaccines	104928*		Aleurocybotus occiduus		95240
Alanine-glyoxylate transaminase		10276*	SEE ALSO kinds of alcohol			Aleurocystidiellum n g		46998
Albertisiella		77301*	Alcohol dehydrogenase	10218*		Aleurodiscus	46998	88534
Albinism			Alcohol test	68229		Aleurodiscus roseus		1311
Anopheles gambiae		95149				Aleurodorthrips fasciapennis		4868

\*Text of this reference is not in English.



Item	Item	Item	Item	Item	Item
Aleuroglyphus ovatus 94730 105565*	Aleurone 27475a 17238* 25702*	Alfalfa--Cont	Alfalfa--Cont	Alfalfa--Cont	Alfalfa--Cont
47896* 58270* 75451* 99947*	Aleuropteryx 106140	culture--cont	hay--cont	quality	3051*
Aleutian disease 13324 22383	62580 92825 104069 104073	mountain areas	nutritive value	51760*	
104074 104075 62575* 92818*	92836*	Nebraska 19631	history	46541*	
coypus 104072	diagnosis 41805 21643*	New Jersey	hybrids 27670 27701 48834 48911		
reviews 52079*	transmission 13319	North Carolina	47878 48832 48834 48911		
virus 22380	Alevaire 62525*	North Dakota	77858		
Alexin 1317 18150 37318	47408* 69318* 99517*	Norway	injuries 18202 89683		
reviews 37053	Aleyrodidae 33272	Ohio	inoculation 29555 80091* 80124*		
anatomy and physiology 94278	and plant disease 95240	Oregon 28643* 28653* 28686*	irrigation 28028 48915* 68992*		
California 84048	Florida 84048	28687* 48671* 69553* 90210*	78827*		
food and host plants 53419	host plant relations 33272	Republic of South Africa 19623	Australia 2541 102190		
Japan 53419	parasites 94378*	48831 69592	Florida 2547		
Poland 43163*	predators 83850 94378*	Sardinia 101021*	Hawaii 59318		
Alfalfa 1572	analysis and composition 894	USSR 28422* 40134* 69543*	North Dakota 80569		
13407 25092 100595 30814*	50007* 65232* 103108*	100941* 101045*	Rumania 102130*		
anatomy and physiology 938	950 1275 9931 18846	Utah 58829	South Dakota 70529		
27860 28028 28126 28184	38005 38181 48090 48417	cytology 37703 47722	male-sterile 89296		
50130 58779 58829 67772	68864 69105 78413 78523	defoliation 78413	moisture 54698		
78544 78545 89403 89683	90148 100306 101994 102054	digestibility 13113 30814* 52349*	morphology 9475 9485 47734		
105149 9704* 10052* 10096*	19259* 27925* 28067* 37953*	103108* 57926	10052*		
38153* 38403* 47935* 47950*	48042* 48120* 58579* 68992*	disease resistance 48830	nematode resistance 68307 79216		
78827* 78869* 89259* 89338*	89712* 89718* 91069* 100120*	diseases 68095	nematodes 9267 47443 77969		
bacterial diseases 47443 47445	77858 99563*	dried 25082 34479 54714	88922 99709*		
biochemistry 28283* 79014* 89338*	breeding 9555 28682 47868	dry 85552 91893 96693	control 47584 68317 88923		
48070 48814 48830 48850	58399 68307 37837*	54698 71611 74112	Utah 77962		
Argentina 19600*	conferences and congresses 48801	24287* 34491* 53784* 103108*	nutritional deficiencies 896		
France 48887	Germany 59386*	ecology 100373 77990*	100459 78477*		
East Germany 59386*	Italy 59328*	effects on soils 39994* 50154*	nutritive value 3483 22105		
Michigan 105220	Sweden 79216	enzymes 88922 100620	42146 52403 62084 72121		
conferences and congresses 48910	contamination 34480	fertilizers 2311 50078	72784 82048 82766 12485*		
42649 52876 105149	costs and returns 26789 76449	50130 80298 101917 191994	32145* 41248* 47935* 72085*		
85556 87160 87183	culture 28710	191995 30048* 89338* 191940*	103108* 103557*		
Alaska 59321	Australia 1580 48902 102190	101969*	reviews 52203		
Belgium 19670*	Bulgaria 59370*	Canada 80285 11536* 50007*	pest control 63370		
Connecticut 19604	Czechoslovakia 79119*	Colorado 39934	Australia 52829 94323		
Estonia 70544*	France 59336*	Georgia 39950	biological 14093		
France 59336*	Germany 59402* 90158*	Great Britain 70653 91082	Bulgaria 42617* 94329*		
Germany 59402* 90158*	East Germany 69580 38851*	Hungary 91069* 91179*	Canada 42610		
Great Britain 10452 89403	90125	Italy 50088* 91075*	chemical 52876 63376 73238		
Hungary 10496* 19673* 38865*	48917* 59355* 100913*	Mediterranean area 40020*	73227*		
India 59369	Iowa 79359	Nebraska 80317	cultural 63590		
Italy 59371* 69577*	Maryland 59395	Oklahoma 40005	Eastern States 14093		
Mexico 48894*	Morocco 69599*	Oregon 29777 39979 60388	Hungary 83323* 94275* 94304*		
		Republic of South Africa	94325* 94348*		
		research methods	integrated 42563		
		statistical 2364	Maryland 73178		
		South Dakota 70529	natural 73238		
		USSR 50050*	Poland 83356*		
		Utah 80378	Tennessee 32800 42565		
		Washington 102060	Utah 42600		
		Western States 39935	Washington 32805 73241		
		Wisconsin 69607	Wisconsin 68095		
		fungus diseases 9116 18202	pest resistance 4810 23204		
		47289 57888 57926 77834	28669 52831 52903 105220		
		77858 99302 99461 100175*	pests 52831 53413		
		California 47246	77858		
		Great Britain 47271	Australia 84128		
		Montana 47191	habits and behavior 23809		
		Poland 99315*	53280 53277*		
		genetics 9552 9555 18693	Hungary 14147*		
		18705 18763 27701 47848	Ohio 23263		
		47863 47868 47878 58372	Poland 73228* 73229*		
		89296 90148 27763* 37837*	Yugoslavia 106051*		
		47846* 89259*	planting 10497 19650 28636		
		research methods	Bulgaria 38854* 59352*		
		statistical 18706 18737	Denmark 19612* 19658*		
		27760	Germany		
		germination 115 68317 89607	East Germany 90121*		
		hardiness 894 59397 69516	Great Britain 91082		
		78523 89338*	Hungary 59316*		
		harvesting 69105 100937 10096*	Poland 28614*		
		69528*	USSR 90178*		
		Belgium 38856*	Wisconsin 69608		
		California 63590	plant parasites 28184		
		costs 28652*	planting date 69593*		
		Hungary 95883*	pollen 58727		
		Italy 50088*	pollination 9485 9971 14327		
		Rumania 1632*	42644 47987 48070 48832		
		Virginia 28619	53073 58399 63764 73046		
		harvesting date 69607 90178*	73101 93971 10052* 38403*		
		harvesting equipment 95885*	38828*		
		hay 2364 3638 62100 72847	processing 92303 103558		
		82102 82774 82789 85508	proteins 36650 79014*		
		103530 28652* 42178* 59352*	quality 69607 69608		
		95885*	79359 85556		

\*Text of this reference is not in English.

	Item			Item			Item	
Alfalfa--Cont			Alfalfa--Cont			Algae--Cont		
research methods			yields--cont			ecology	9331	47619 68858*
statistical		19650	Germany			88972*		
research programs	48849	48855	East Germany	59386*	90177*	Antarctic Region		539
54715			Great Britain	69533	70653	Arctic Region		68380
seeds	1609	9971	90125	91082		Austria		78104*
48850	58829	68317	Hawaii		59318	Canada	89018	99797
100620	10052*	19259*	Indiana		69521	Florida		89034
48042*	66169*	69528*	Maryland		59367	France	88981*	89009*
99315*			Nebraska		19631	Germany		58141*
Australia		52829	New Zealand		69562	Greenland		89061
Bulgaria	59352*	90164*	Oklahoma		40005	Gulf of California		546
certified	48868	48887	Oregon	39979	69588	Hungary		88992
Hungary	10496*	38865*	Poland	10427*	28643*	India		68394
Maryland		59367	Sweden		10426*	Italy	46954*	47622*
Mexico		48894*	USSR	10424*	79301*	Japan	89046	37607*
Poland		90210*	Utah		73046	North Carolina		89058
Republic of South Africa		7427	Virginia		28619	Pacific area		89038
55802	107894		Washington		102060	Puerto Rico		47607
treatment	1115	89607	Western States		39935	USSR	27406a*	99807*
USSR		90178*	Alfalfa caterpillar SEE <i>Colias eurytheme</i>			Vietnam		88998*
vernalization		78869*	Alfalfa meal	37393	63044	Virginia		88498
viability		100175*	104261		93611	enzymes	28402	89833 100611
Washington	66176	66177	nutritive value		22909 31866	100668	89395*	
70177	73241		32209	41552	62067	Fair Isle		8803
soils	90930	9704*	82920	31817*	62726	Finland		17855*
70343*	89338*		91877*	93784*	91874*	Florida		57703
Australia		102190	prices		6573	France	99024	46962*
Bulgaria		48913*	situation and outlook	6573	15794	Galapagos Islands		89384*
Canada		80285	storage		75053*	genetics		46955
Estonia		70544*	vitamins		34491*	Germany		89309
Germany		59402*	Alfalfa snout beetle SEE <i>Brachyrhinus</i>			East Germany	88540*	46964*
East Germany		47935*	ligustici			Great Britain		99032*
New Zealand	100459		Alfalfa weevil SEE <i>Hypera postica</i>			Gulf of Mexico		88466
Republic of South Africa	19623		Algae 26750a 77481*	88465*	99034*	Hungary		88471
Southeastern States	48090		analysis and composition		16513	Illinois		36962*
USSR	28067*	69543*	anatomy and physiology		9638	in soils	20494	29827
spraying and dusting	105149		9755	9803	9940	39803	46950	77452 102290
storage	65232		18985	19009	19058	21039*	39766*	70350*
varieties	10420---10422	10443	28023	28195	38452	reviews		49819
10459	10475	19627	58315	58586	58910	Texas		29530
28710	48814	48834	78429	78713	88118	Tropics		39774
52831	77858	41248*	88173	89089	89548	USSR		101808
Australia		59397	98735	98770	100217	India	38585	77457 88488
Austria		79110*	100352	100519	967*	89548		
California	4810	28669	10083*	68858*	69044*	Indiana		88464
Canada	1573	28690	78539*	89339*	89384*	Italy		46954*
Colorado		59329	89419*	89702*	100392*	Jamacia	36963*	17844
Connecticut		19604	reviews		78533	Latvia		57699*
Denmark		48886*	Argentina		17847*	morphology	58315	89089 47750*
France		59336*	Arizona		17843	99878*		
Hawaii		59318	as feed	57144	32205*	reviews		79023
Hungary	48042*	59306*	as food	57144	74514	New York		8810
India		59369	98363			nitrogen fixation	60216	99880
Indiana	69516	69521	reviews		15360	10083*	60224*	70398*
Italy	59371*	59390*	Australia		67921	North America		57693
Michigan		48868	biochemistry		1316	North Carolina		89058
mountain areas		59369	10184	10186	19348	Norway	46959	176*
Oregon		69588	19423	28310	28386	nutritive value		57144 108924
Sardinia		101021*	38509	38584	38585	108969	108972	
Sweden	1571*	10426*	59031	69161	78938	Pescadores		46951
virus diseases	448	9234	89816	89818	89845	Philippines		16513
18297	18335	58086*	89876	89887	89902	Poland		36969
weed control			89928	100657	100668	Portugal	16509*	17862*
chemical	34480	101559	58978*	59090*	69236*	88484*	88486*	36959*
Australia		90612	78991*	89790*	89824*	proteins	38585	57144 89866
Connecticut		29309	100637*	100671*		89790*		
Great Britain		39488	reviews		79023	Rumania		36960*
Hungary	49498*	59942*	Brazil		88476	Sicily		77453*
New Zealand	70130	101581	Bulgaria		8820*	Switzerland		178*
Northeastern States		29375	China		46953*	Taiwan		46952
Washington		70177	collecting and preserving		8806	Tatra Mountains		36967*
Hungary		90713*	collections	8813	57703	taxonomy	8807	89089
Italy		59920*	control	2028	11106	8805*	88462*	100617*
Republic of South Africa		20261	29251*	50822*		reviews		46965*
yields	2385	10497	culture	38273	74514	toxicity		72644*
48807	48832	48834	107986	38391*	39582*	USSR	47697*	67923*
50078	50130	101917	cultures	1003	8596	67926*	99048*	67924*
102054	38153*	48120*	9766	28227	58609	Utah		542
78827*	100120*	101940*	98805	106481	108972	Virginia		88498
Australia		102190	10083*	57691*	58766*	virus diseases		68292
Austria		79110*	88138*	107991*		vitamins	108958	28340*
Bulgaria	38854*	48913*	cytology	99752	99784	SEE ALSO Seaweed; and names of algae		
California	4810	28669	Czechoslovakia		8802*	Algal acid SEE Alginic acid		
Canada		50007*	Denmark		88468	Algicides	2027	2028 29348
Colorado	39934	59329	dissemination		57486	77526	102290	
Georgia		39950	desert areas		46950			

\*Text of this reference is not in English.



Item				Item				Item			
Alginates	89835	103174	86231*	Alkaloids--Cont				Alkaloids--Cont			
89876*	96574*			Flindersia	19441			Solanum dulcamara		89918*	
Alginic acid		97529*		fungi	48637			Sphacelia segetum		10176*	
Allice		70067*		Funtumia latifolia	78979*			Stenolobium stans		19321*	
Alicyclic compounds SEE Cyclic com- pounds				Galega officinalis	69293*			Stephania hernandifolia		78896	
Alimentary system SEE Digestive sys- tem				Genista pilosa	58990*			Stephania japonica		19427*	
Aliphatic compounds	16023	19386		Glaucium oxylobum	19419*			Sweetia panamensis		100602	
28020	45133			Hammada leptoclada	100667*			Symplocos celastrinea		81527	
Alipur	29378	50875	79768*	Haplophyllum foliosum	48547*			Taxus baccata		78956*	
Alisma	9494	77399*		Heimia	58983			Thalictrum dasycarpum		38580	
Alisma lanceolatum		9494		Heimia salicifolia	48525			Thalictrum pedunculatum		79076	
Alisma plantago-aquatica		88825		Holarrhena	38581			tobacco	10229	10230	10281
666*				Hunteria eburnea	28286			89393	89861	18797*	26336*
Alismaceae		26881a		Hysocyamus muticus	28048			45366*	89846*	89880*	89920*
Alizarin test	54504*	74773*		Hyoscyamus niger	78299			Tripterygium regeli		32582	
Alizarin yellow SEE Gallacetophenone				Iboga	48622			Veratrum		69087	
Alkali bee SEE Nomia melanderi				Ipomoea	10198*			Veratrum album		89944*	
Alkali cellulose SEE Cellulose				Ladenbergia hexandra	59006			Vinca		100598*	
Alkali metals		84788*		Laurus nobilis	28397*			Vinca erecta		59100*	
Alkali reserve	41523*	52097*	52419*	Leguminosae	38545			Vinca herbacea		28403*	
62287*	62619*			Leontice ewersmannii	89843*			Vinca minor		89883*	
Alkali soils		39723		Leptorhabdos parviflora	58967*			Virgilia oroboides	1332	1333	
California		101998		Lochnera rosea	10235			89822			
China	90271*	91262*	102065*	Lolium multiflorum	78930	1390*		Voacanga globosa		100678*	
102086*	102147*			Lunasia				Withania somnifera	38626	48576	
Hungary		9965		Lunasia amara	10250*			78992			
Philippines		11437		lupine	19271	19315		Xanthorrhiza simplicissima		28333	
Rumania		2556*		28353	48531	89910		38565			
Yugoslavia		20544*		10227*	10257*	48595*		Alkanes SEE Paraffins			
Alkaline reaction		19283		78916*	89915*	89921*		Alkana		98907*	
Alkaline	19049	46734	106259	89959*	100693*	100713*		Alkanones		45133	
107211	30952*	45018*		Lycopodium				Alkathene SEE Plastics			
Alkaloids				Machilus thunbergii	79069			Alkoxy groups		68171	
Aconitum		38606		Mahonia philippinensis	100708*			Alkoxyl reactions		32601	
Adenocarpus		79037*		Marrubium vulgare	10278			Alkyl aryl sulfonate sodium		13093	
Alstonia		1324		Michelia compressa	19382			s-Alkyl-isothiuronium	29562	67473	
Amarylhidaceae	19357	28288		Mitragyna rotundifolia	69333*			Alkyl 2,4,5-Trichlorophenyl N-alkyphos- phoramidates		23137	
28304	28320	78900		Narcissus exertus ornatus	69306			Alkylating agents	5252*	5284*	
Apocynaceae		100636*		Narcissus jonquilla	38539*			48009*			
Aquilegia		1444		Nicotiana	38538*	1318		All-American Selections		49199	
Aquilegia hybrida		100727		Nicotiana glauca	10257*			Allagrapta n g		95419	
Aspidosperma	89895	79046*		Nicotiana paniculata	89826			Allanacstria		33380*	
Aspidosperma discolor		19299		Nigella damascena	89826			Allantoin		21941*	
Aspidosperma limae		28366*		Nuphar luteum	79074*			Allantophoma nematospora		18151*	
Aspidosperma obscurinervium		78923		Ocotea glaziovii	91929*			Allardina n g		63910*	
Aspidosperma peroba		48551		Panaeolus	38549			Alleculidae		94910*	
Balfourodendron riedelianum		69281*		Pancratium	79067			Alleles	9563	27724	58205
Berberis hakodate		38607*		Pancratium maritimum	100560			animals	13760	31747	4040*
Berberis vulgaris		38537*		Pancratium sickenbergeri	79044*			71916*	72557*		
Bongardia chrysogonum		69311*		Papaver	79044*			Aedes aegypti		105800	
Buxus		78896		Papaver somniferum	89916*			Drosophila		64008	
Buxus sempervirens	28353	89936*		1282*	59027*	69278*		Drosophila melanogaster		63989	
castorbeans		59088*		Papaveraceae	19419*			64007	95034	95046	
Cephalotaxus		28359		Pausinystalia yohimbe	89932*			Drosophila pseudoobscura		33207	
Chelidonium majus		89857*		Pedicularis olgae	59039			Mathiola incana		58452*	
Chenopodium botrys		10255*		Peganum harmala	10277*			plants	9556	9591	106079
Cinchona		10269*		Phylla rogersii	89829*			Allelopathy	28129*	37665*	38166*
Cinnamomum camphora		100707*		Phyllanthus discoides	69177			58499*	58515*	68830*	89484*
citrus		65456		Physostigma venenosum	89779			Allen-Doisy test		93666	
Claviceps		89815*		plants	38536*			Allergens	48566	86324	3598*
Claviceps paspali		89856*		19368	10211	10232		93815*			
Claviceps purpurea	78891	78901		79041	100648	100683		Allergic dermatitis	32736	3130*	72477
1326*	19438*	28313*		8653*	19269*	38598*		Allergies	30984*	31486*	92011*
69285*	79033*	89830*		89792*				cattle	12948*	31393*	62058*
89957*				reviews				72126*	92584*	92607*	105134*
Colchicum		38583		Platydesma campanulata	79035			3802	3825	92706*	
Colchicum cornigerum		28317		48647	1442			dogs			
Colchicum kesselringii		89960*		Pleiocarpa tubicina	78997*	100580*		goats			
89961*				potatoes	58051	10156*		guinea pigs		32657	32658
conferences and congresses		78974*		Rauwolfia				horses		22416	72478
Crinum macrantherum		38557*		Rauwolfia serpentina	29388	39584		man		4731	52763
Croton tukumiquirensis		100579		58200				sheep		63097*	72126*
Cynoglossum		77611*		Retama raetam		19298*		swine		104912*	
Cytisus		100607*		Rhazya stricta		19260		SEE ALSO Allergens; and SUBHEAD			
Datura	78939	10257*	89913*	Rutaceae		19389		allergenic UNDER Insects; Plants			
Datura cornigera		28308		Scopolia tangutica		89933*		Allethrin	9413	14227	94130
Datura metel	48621	89853*		Securinega virosa		100685		Alliaria SEE Sisymbrium			
Datura stramonium	37996	48104		Sedum		78944*		Alligatorweed SEE Alternanthera phillo- xeroides			
58626	78980	79050*		Senecio		72264		Alliinase		6758	
Delphinium		38606		Senecio douglasi		58972		Alliphis		94697	
Delphinium barbeyi		10138		Senecio nudicollis		48508		Alliphis sculpturatus		5092*	
Delphinium browni		100567		Senecio subalpinus		89945		Allisan		9008	
Delphinium elatum		100567		Solanum	1345	38603		Allium	69980	8659*	
Delphinium foetidum		10282*		28351*	69304*	100690*		Afghanistan		151	
Festuca elatior arundinacea		34505		Solanum armatum		38625*		analysis and composition		54992	
Ficus septica		1410		Solanum aviculare		69210*		biochemistry		100569	
				Solanum chacoense		59071*					

\*Text of this reference is not in English.

Item				Item				Item			
Allium--Cont				Almanacs--Cont				Alpine plants--Cont			
control	101506*			Maryland	8379	36394		anatomy and physiology	48122		
cytology	78219*			Norway	34304*	76906*	76907*	100423	48105*	58695*	58818*
fungus diseases	77715*			87849*				Austria			77274*
morphology	9428*			Pennsylvania		57153	57153	California			10693
seeds	37783*			Spain		57156*	57164*	Chile			106028*
soils	80120			Sweden	8397*	34310*	76917*	Colorado			100423
Syria	98893*			103365*				culture	10830		64649
Allium ampeloprasum	26842a			Switzerland	54481*	56938*	87819*	Dolomites			77274*
Allium cepa SEE Onions				Almarckine			38521*	ecology	27395a*		27447a*
Allium porrum SEE Leeks				Almond moth SEE Ephestia cautella			7269	Estonia			69923*
Allium proliferum	99839*			Almond oil				Europe			8627
Allium sativum SEE Garlic				Almond (tree) SEE Prunus amygdalus				germination	1208*		48477*
Allium schoenoprasum SEE Chives				Almonds	3044*	34671*	96789*	Great Britain			90395
Allium ursinum	89525*	98912*		103593*				hardiness			58695*
Allium vineale				Alnus				Japan			68413
anatomy and physiology	10069			bark		30480*		New England States			98854
control	10070	58213*	49468*	ecology		576*		New Hampshire	47975		48122
Sweden	29211	11038		germination		21319*		New Zealand	27388a	27426a	98874
Allobodilus SEE Aphodius (Allobodilus)				Japan		36884*		Norway			26808a*
Allocaeculus catalanus	94696*			measurement	21155*	30252*		seeds			1208*
Allocapnia	95662	95663		pest control		53037*		Taiwan			46736*
Allocentrum	95245			pollen		58358		Alsidium			46955
Allocosa	42936*			propagation		40666*		Alsike clover	14329	18987	27551a
Allodamaeus	94678			wood		102951*		47123	10513*	100999*	
Allodectes n g	63866*			Alnus glutinosa				Alsine SEE Stellaria			
Allodermanyssus SEE Liponyssoides				anatomy and physiology		68999*		Alsinoideae			36869
Allogalumna	73507*			morphology		89172*		Alsophila pometaria			73329
Allogamus auricollis	23950*			planting		29652		Alstonia			1324
Allogamus ligonifer	23950*			propagation		102678*		Alstroemeria			8739
Allognathotermes hypogeus	64282*			seedlings	50832*	102709*		Altermetoponia rubriceps			52877
Allohermenias	105936			seeds		2829*		Alternanthera philoxeroides			90718
Allometry	649	28167*	95604*	wood		71568			101490		
Allomicrops			43202*	Alnus incana		50741*		Alternaria	27202a	67973	99113
Allomyces	18579	67985	9425*	anatomy and physiology		100451*		102906	52967*		
100498*				culture		12101*		apples			27173a*
Allomyces javanicus			99923*	morphology		47814*		bananas			18052
Allophane	60190	80016	80040	Netherlands		50724*		biochemistry			28399
101704				USSR		71142*	71076*	carrots	27224a*		27235a*
Alloproctinus n n			33055	wood		21670*		cherries			37255
Alloproctus (Diplopoda) SEE Alloproc-				Alnus inokumai		40628*		Chrysanthemum			27246a
tinus				Alnus japonica		27221a		enzymes			89953
Alloproctus hesperius			5070*	Alnus nitida		33492		India	9125		57743
Alloerhynchium n g			84105	Alnus rubra	81568	103031		New Zealand			68173
Allosmaitia n g			95393	Alnus viridis		78032*		oil plants			47396
Allothrombium meridionale occidentalis			42904*	Alocasia indica		27668a		Pinus montezumae			37228*
			64629*	Alocasia indica metallica		26843a		potatoes	77794	47306*	77633*
Allotment gardens	56620*			Alocasia plumbea SEE Alocasia indica				redpeppers			27172a*
69678*	94417*	101099*	106371*	metallica				Rosa			99468
conferences and congresses			101102*	Alocine		82982		Schizanthus pinnatus			27202a
layouts	64300*	64302*	64303*	Alodan		42742*		taxonomy			57743
64305*	64307*	64308*	64310*	Aloe				reviews			233
Alloxan	22838	22839	63146	biochemistry	79029	89842*		tomatoes			77794
22191*				Malagasy Republic		26888a		wheat			77837
Alloxysta			64148*	Republic of South Africa		46903		Alternaria brassicae	47276		37189*
Allspice			108850*	Southern Rhodesia		77392		Alternaria chrysanthemi			100313
Alluaudiopsis marnieriana			17774*	Tanganyika		77393		Alternaria citri			57941
			36898*	United Arab Republic		77360		Alternaria dianthi			57880*
Alluvial soils				Aloe bellatula		101343*		Alternaria humicola			37887*
Belgium			70444*	Aloe ciliaris		8661		Alternaria porri			10007
Bulgaria			101936*	Aloe vera		100006		Alternaria sesami			99313
California			11285	Aloeococcosis SEE Hydatidosis				Alternaria solani			57863
Hungary			39971*	Aloinoside B		89842*		77660	88795	18135*	99483*
Honduras			80015	Alopecia				Alternaria tenuis		384	27074a
India			50096	cattle		3600	92503*	27247a	57743	81370	88707*
Indiana			80004	dogs	3847	31558*	82365*	cytology		37693	89124
Louisiana			70309	poultry			31955*	potatoes			18135*
Poland			80195*	Alopecosa			14453*	Alternaria tenuissima			58012
Southern Rhodesia			50265	Alopecurus	17645	70163	59917*	Alternaria tomato	58487		68668
Tropics			20530	79840*				68669			
USSR			50306*	Alopecurus agrestis	20223*	29220*		Althaea officinalis			2073*
United Arab Republic	60075	60082		29354*				Althaea rosea	27907a		27908a
	60147			Alopecurus myosuroides		2031		Altica	5166		94905*
Yugoslavia			101967*	39428	39442	7434*	79853*	Altica carduorum			32610
Allyl alcohol			100569	90632*				Altica cyanea			14085
Allyl monosulfide			100569	Allophora				Alticidae SEE Chrysomelidae			14561
N-Allyl-noroxymorphone			104020	Alophora obesa				Alticinae	83867*	94954*	43024*
Allyl trimethyl ammonium bromide				Aloysia				Altitude			
			89709	Alpacas				effects on cattle			12935
Almanacs			36412	Alpha rays	27826*	78697*	89237*	effects on eggs			104508*
Argentina			87566*	Alphanaphthyl			9734*	effects on Fagus			41166*
Austria			67490*	Alphitobius laevigatus	4649	23058		effects on goats			13669*
Canada			46512*	Alphitophagus bifasciatus			5161	effects on horses			52102*
Germany	109009	8132*	54482*	Alpine fir SEE Abies lasiocarpa				effects on insects	23515		73488
107498*				Alpine larch SEE Larix lyalli				effects on Ips typographus			63698*
East Germany			27425*	Alpine plants			69829	effects on plants	569		27388a
Italy			27422*					reviews			78826

\*Text of this reference is not in English.



Item	Item	Item	Item
Altitude--Cont	Amaryllis--Cont	Amiben	29251 39543 69611
effects on potatoes 9857	culture--cont	100100 100170 100448 101538	
effects on Quercus 41166*	Louisiana 8900 8919	101590 106666	889 10123
effects on Scarabaeidae 5191*	10791 10819 20056	effects on plants	27939
effects on sheep 13669*	Republic of South Africa 10704	effects on tomatoes	75184
effects on soils 2241*	hybrids 10821 69880	residual effectiveness	101564
effects on trees 50829 100491	injuries 8900	Amides	
21187*	taxonomy 8765	chemistry	16311
effects on Unaspis yanonensis 105847*	varieties 10748	in aphids	95242*
Alum-precipitated toxoid 30833	virus diseases 9223 47507	in beverage manufacture	15560*
Aluminum 11257	58105	in cattle nutrition	31185*
Aluminum SEE Aluminum	Amaryllis belladonna 58273	in cotton	65352
building material 80774 33920*	Amaryllis calyptrata 9201	in flour	55378*
34881* 64668* 85951*	Amaryllis chionedyantha 8693	in food packing	6149
effects on barley 19183 78549*	Amaryllis starkii 8730	in mangoes	89923
effects on corn 78549*	Amasil 41206*	in melons	47405*
effects on Deschampsia flexuosa 99763	Amasis 105886*	in plants	1107 38512
effects on plants 38071 38335	Amata passalis 14889	in sheep nutrition	52408
18815* 78454*	Amata phegea 105926*	in strawberries	99647
effects on Populus 68834	Amathes c-nigrum 94394*	in tobacco	18275
effects on Rhizophora harrisoni 18945	Amathes cohaesa 14856*	in wheat	25566
effects on rice 100141	Amathusia phidippus group 105958	in wine manufacture	44178*
effects on wheat 78543	Amathusiidae 105958	N <sup>6</sup> -Amidino-4-hydroxylysine	78904
in canned vegetables 55012*	Amatidae SEE Euchromiidae	Amido black	15619*
in corn 58397	Amaurobius 73527	Amidostomosis SEE Gizzard worms	
in dairy industry 6467	Amauropidius 73573*	Amidostomum anseris 104344*	
in food industry 85007	Amauropisini 73573*	Amidostomum skrjabini 93317	
in Hevea 89882	Amazonina sooretamensis 23936*	Aminazine SEE Chlorpromazine	
in Morus 9810	Amber 88149	Amine oxidases 72415	89937
in plants 78000 18822* 29700*	Amberlite IR-120 2159	reviews	81718
in soils 2143 2145 2292	Ambia 64237*	Aminellus	84091
11222 11257 20410 38071	Amblyomma 83802	Amines	34560*
39687 39731 49747 80013	Amblyomma lepidum 32687	chemistry	75748*
80072 100141 101727 101735	Amblyomma mudaliari 36928	effects on Beauveria bassiana 106066	
11278* 39737* 49737* 80137*	Amblyopetalum coccineum	in cattle physiology	22246
101700*	Amblyptilia punctidactyla SEE	in cotton	65285*
Finland 70292	Platyptilia punctidactyla	in feed	91893
France 2156* 78454*	Amblypygi 105571*	in grain	75438
Hawaii 38335	Amblyrrhinus 105636*	in meat	35016*
Tropics 20469 39758 39759	Amblyseius 14481 94687	in plants	100583*
Aluminum foil 74900* 106992*	Amblyseius (Typhlodromalus) 94761	in silage	103125
Aluminum hydroxide 39754 12547*	Amblystomus 42959*	Amino acids	
52621* 63304*	Ambrosia 1018 9491 29242	chemistry 74986* 84780* 106688*	
Aluminum oxide 90854 74335*	Ambrosia artemisifolia 2045 27791	determination 5594 43940 33999*	
Aluminum phosphide SEE Phosphine	Ambrosia beetles 42958 63715	effects on Acetabularia crenulata	58365*
Aluminum potassium sulfate 82267	94855	effects on Acetabularia mediterranea	58365*
Aluminum salts 86213*	SEE ALSO Platyopodidae	effects on Aedes aegypti	64071
Aluminum silicates 29527*	Ambrosia psilostachya 29330	94200	
Alveograph 16091* 44839*	Ambrosieae 68539	effects on Anthonomus grandis 33128	
Alycus 14419	Ambrositracris n g 53527	effects on Aspergillus flavus 68801	
Alydidae 95190	Ambrysinae 64083*	effects on bacteria 54413 30985*	
Alyssum 36802 88294	Amelanchier 28907*	effects on barley 78861	
Alyssum maritimum SEE Lobularia	Ameles fasciipennis 53533*	effects on Dactynotus jaceae 64118*	
maritima	Amelinus 73607	effects on Mucorales 38380	
Alyssum turgidum 88293	Amentaceae 89172*	effects on mungo beans 27871	
Alysiaphagus n g 14835	Ameractini 73521	effects on Neurospora 68710	
Amandin 19391 19403	Amerentulus n g 95677*	effects on Rhizobium 80101	
Amanita 8599 26971a 49549*	American basswood SEE Tilia americana	effects on Streptomyces rimosus	78890
Amanita asperoides 203*	American beachgrass SEE Ammophila	effects on Trichothecium roseum	48288*
Amanita emilli 203*	breviligulata	effects on wheat	100160*
Amanita muscaria 89756 38622*	American beech SEE Fagus grandifolia	fermentation 6196 74519	
Amanita phalloides 203* 28401*	American cockroach SEE Periplaneta	in Acricotopus lucidus 5231*	
75272*	americana	in Actinomyces olivaceus 100484*	
Amara 94887*	American dog tick SEE Dermacentor	in Aedes aegypti 43145	
Amara convexior 105680*	variabilis	in Agroelymus palmerensis 58262	
Amara convexuscula 94264*	American elm SEE Ulmus americana	in Agrostis alba 28283*	
Amara montivaga 5155 5205	American foulbrood SEE Foulbrood,	in alfalfa 89683 89548	
73575	American	in algae 28386 38585 100705*	
Amaranthaceae 18676 58432 8674*	American mangrove SEE Rhizophora	in Anabaena naviculoides 89623	
Amaranthus hybridus 70132	mangle	in animal nutrition 61645* 92011*	
Amaranthus microphyllus 98958	American mistletoe SEE Phoradendron	in animal physiology	79011
Amaranthus palmeri 88337*	Americans in Brazil 108727	reviews	10272
Amaranthus retroflexus 62204 22727*	Americans in Canada 45946	in Antheraea pernyi 23490*	
Amarygmini 5123* 23579* 23580*	Americans in Ceylon 56853	in Anthonomus grandis 73589	
94808*	Americans in Israel 56854	in aphids 95242*	
Amarylloidaceae 8723 8761 46920	Americans in Japan 66832	in apples 38227 9843*	
biochemistry 19357 28288	Americans in Korea 108728	in apricots 85713*	
78900 28304* 28320*	Americans in Taiwan 108730	in areca nuts 45386	
10898	Americans in the Philippines 108729	in Armillaria edodes 10213*	
Ameryllis 10689	Americans in Turkey 56855	in artichokes 91814*	
anatomy and physiology 48202*	Ameroseius 94772	in Aztec tobacco 66268* 89900*	
breeding 10704	Ametosporium 37032	in bacteria 91969*	
culture 10741 10860 101299*	Amethystia glabrata 52908*		
Georgia 10850	Amethopterlin SEE Methotrexate		
	Ametryne 2060 50875 70180		
	Amianthium muscaetoxicum 1423		

\*Text of this reference is not in English.

Item			Item			Item			
Amino acids--Cont			Amino acids--Cont			Amino acids--Cont			
in Baptisia leucophaea	38518		in milk	6356	6359	24817	in turkey nutrition	22683	62759
in barley	25716		24819	31193*	72839*	82287*	93149		
in beans	68764*	100204*	85327*				in urine		13308
in beer	64966		in molds			38076	in Ustilago zeae		89808
in blood	3274	63246	in Moniliformis			84201	in vegetables	1398*	15937*
93352	103722	63119*	in mosquito physiology			33223	in viruses	27313a	47478
in Bombyx mori	23494	94606*	in Mucorales			10025	59000	68263	94601
94615*	94616*		in mushrooms			1290	in wheat	10050	19366
in bran		96994*	in Myzus persicae			33284	89683	89886	34885*
in broadbeans	9688	69179	in Narcissus jonquilla			38538*	58815*	79158*	89625*
in Bromus inermis		3074*	in Neodiprion pratti			73772	in white clover		100583*
in cabbage		68199	in Neurospora crassa			1426	in wood		28283*
in casein		3466*		48511			in wool		41127*
in castorbeans		79016*	in oats			9884	in Xyleborus compactus		65319
in cattle nutrition		3507	in Oxycarenus hyalinipennis			14723	in yeasts	68994*	105311
in cattle physiology		103769	in Papaver somniferum			59027*	in yoghurt		78687*
in Centaurea jacea		64118*	in peas		9876	89510	synthesis	3107	85312*
in cheese	44300	6398*	38326*	69050*	96873*	89542	synthetic		64895*
85266*		74986*	in Perilla			1040*	synthetic	15457	82947*
in Chlamydomonas reinhardtii		28341	in Periplaneta americana			5594	tests		106574*
in Chlorella		38559	in Phormia regina			14623	4-Amino-2-butyn-1-ol		29244
in Chlorocloster engadinensis		78431*	in Phyllosticta			916	2-Amino-4-hydroxy-butyric acid		79061
in collagen		45025*	in Phylloxera			52933*	2-Amino-2-hydroxymethyl-1,3-propanediol		1280
in Colletotrichum		19439	in plants		1264	9756	L-alpha-Amino-delta-hydroxy-valeric acid		79061
in Colletotrichum capsici		9642	19424	38409	38512	48402	D-4-Amino-3-isoxazolidone		93804*
in Corcyra cephalonica		14868	48513	48552	58592	79011	Amino ketones SEE Ketones		
in corn	898	23220	981*	1178*	1309*	100438*	2-Amino-5-nitrothiazol	4181*	52254*
44926*	47346*	68966*	100600*			59081	3-Amino-1,2,4-triazole SEE Amitrol		
76877*	77731*	89724*	conferences and congresses			59081	4-Amino-3,5,6-trichloropicolinic acid		101529
in cotton	37900	77854	reviews		10272	89246*	29343	101497	101529
in cottonseed		44416*	in pollen			48461	delta-Amino-n-valeric acid		41224*
in Cruciferae		10159	in Polystichum aculeatum			38507*	O-Aminoacetophenone		65081
in cucumbers		37276	in potatoes		25359	54986	Aminoacetoneitrile		42048
in Culex pipiens		14699	68947*	69088*		9226*	p-Aminobenzoic acid	58966	75028
in Dactylis glomerata		100269*	in poultry meat			97335*	2-Aminobutane SEE Butylamine		100203
in Deuteromycetes		28124	in poultry nutrition		4103	22546	Aminobutyric acid		99450
in dog nutrition		22319	31801	31864	41909	41912	alpha-Aminobutyric acid		3265*
in dog physiology	3798	72434	52169	62751	72638	93047	gamma-Aminobutyric acid		78691
in Drosophila melanogaster		105695*	93071	93352	104254	13774*	2-Aminoethanethiol		58796
	105783*		31809*	82947*			2-Aminoethanol		69180
in eggplant		9916*	in poultry physiology		4183	4189	3-(2-Aminoethyl)-5-indolol		41236
in eggs	4189	45230*	72646	104398			69224	89557	68997*
in Euglena gracilis	19025	48541	in proteins		27347	59000	Aminoimidazolecarboxamide		19417
	58987		75453*	96811*	106577*	10227*	delta-Aminolevulinic acid		51471
in fats and oils		26146	reviews			54127	Aminophorase SEE Transaminase		
in feed	3487	21760	in Pteridium aquilinum			38507*	4-Aminopipicollic acid		48615*
62721	62729	91863	in rats			83991	Aminopromazine fumarate		3218*
6568*	25110*	34494*	in Reseda luteola			38578	beta-Aminopropionitrile		38311
54744*	72108*	85553*	in rhubarb			68712*	Aminopterin	58233*	78219*
85558*	93045*	93055*	in rice		68977*	89629*	2-Aminopurine		766
107085*			in Robinia pseudoacacia			107526*	Aminopyrine		37673
in fish meal		8365	in Robinia pseudoacacia			89683	p-Aminosalicilic acid	45175	105644
in flour	98412	7051*	in royal jelly			94527*	99847*		9511
in forage plants	71617*	71643*	in ruminant physiology	91962		81775*	Aminoxidine		51572*
	89748*		in rye			34885*	Amitermitinae		43340
in fungi	9829	28382*	in Samia cynthia ricini			73464	Amiton		32630
in game meat		108960	in Sceliphron caementarium			5466	Amitostigma kinoshitai	2037	39486
in Glomerella		19439	in seeds		55819	78903	Amitrol	49476	90593
in Glossina morsitans		14597	38640*			100722	102571*		70170*
in goat physiology		32252*	in sheep nutrition			52436	chemistry		39552
in grain	8354	16118	in silage			30811*	effects on beans		48397
25749*	44967*		in silk		53102*	54801*	effects on Cirsium arvense		27948
in grapes		34704*	73450*				effects on cotton		100167
in grasses		89701	in soils		11319	20502	effects on Cyperus rotundus		9790
in Gryllotalpa africana		43330	49755	60188	70347	39762*	effects on plants	28090	28314
in Heterometrus scaber		94767	49711*	49729*	80118*	90895*	100186	29249*	58775*
in honey	75497*	86072*	90896*--90898*	101822*			effects on Quercus		100167
in horse physiology		3990	in sorghum			100472*	effects on rats		82492
in horsebeans		72948*	in soybean meal			34486*	in cranberries		25446
in human nutrition		98357	in soybeans			7284	in soils		29486
in insect physiology	23520	53130	in spinach			48512	Amitus hesperidum		94378*
53342	95570		in strawberries			99647	Ammania verticillata		36882*
conferences and congresses		59081	in sugar beets			68712*	Ammate SEE Ammonium sulfamate		
in Lasioderma serricorne		5188	in sugars			55879	Ammi majus		39623
in Lathyrus		28368*	in sunflowers			79016*	Ammi visnaga	28284	39623
in Lathyrus tingitanus	48606	79027	in swine nutrition		42265	63209	Ammonia		55109
in legumes	19356	48465*	72934	82937	82944	13774*	determination		12760*
in lemon juice		54979	32397*	32402*	52531*	72948*	disinfectant		53110*
in lupine		10227*	82923*	82947*	104770*		effects on Bombyx mori		32625
in lychee	69200	9916*	reviews			42250	effects on Collembola		78351
in Macracanthorhynchus hirudinaceus		84201	in Tamarindus			1395	effects on corn		75299
		24706	in Tenebrio molitor			53266			
in malt		89923	in tobacco		18275	18307			
in mangoes		47405*	89935	38648*	89900*	37470			
in melons		55577	in tomatoes			68828			
in Mesua ferrea meal			in Tribolium castaneum			105346*			
			in Trogoderma granarium			5195			

\*Text of this reference is not in English.



Item			Item			Item		
Ammonia--Cont			Ammonium nitrate			Amphiprora		17850
effects on Macrocheles muscaedomesticae	53227		effects on plants		9701	Amphipsyche		53573
effects on mites	32625		fertilizers	60749	70841	Amphiroa		46955
effects on wood	12243		2790*			Amphistomiasis SEE Intestinal flukes		
fertilizers	60742	74052	barley	20624	2354*	Amphithetobrentus n g		5140*
102335	102345	29581*	China		102305*	Amphora	17850	88469
70531*	70888*		Cynodon dactylon		102055	Amphorophora lactucae		57698*
coffee		101942*	dates		60375	Amphorophora rubi	64158	105306*
field crops		70660*	forage plants		40006	Amphotericin B	41750	104798
flax		50183*	grain		2353*	Ampicillin	22942	71740
India	60795	60797	pastures and meadows		11565	Ampliscope		103070
root crops		70638*	rape		2352*	Amprolium	22585	75021
sugar beets		70602*	rye		101933	85516	104463	93231*
USSR	80321*	80458*	wheat	91068	39987*	Ampulicidae		33295*
in algae	28402	100668	in cattle nutrition		91141*	Ampullaria		88505
in cattle physiology		3507	in soils		41557*	Ampullariella		88505
in eggs		75757*	Ammonium nitrate limestone		90866*	Amputation	22262*	22263*
in feed	4341*	30777*	Ammonium nitro-humate		70864	Amsinckia intermedia	70134	100334
in feed processing	41208	41209	Ammonium phosphate	2664	18824	Amur corktree SEE Phellodendron amurense		
31157*	82120*		61225			Amygdalus SEE Prunus		
in fertilizer processing		91380	effects on Chrysanthemum		89558	Amyl alcohol	106911	96254*
91400			effects on corn		78351	Amylase	10218*	32486*
in goat physiology	4433*	93699*	effects on cotton		78527	in Aspergillus		89942*
93700*			effects on wheat	78527	89509	in Aspergillus oryzae		89828*
in manures		91417*	fertilizers			in barley		69307
in Monotropa hypopitys		100199*	oats		50035	in Bombyx mori		73458
in plants		38409	ornamental plants		70518	in cattle physiology	72295	82291
in rumen	13735	30990*	pastures and meadows		11619*	in Drosophila virilis		73644
in ruminant nutrition		30817*	in forest fire control		50952	in Dysdercus fasciatus		5401
in ruminant physiology		61762*	in ruminant physiology		3168*	in flour	107495	55337*
in sheep physiology		104664	in sheep nutrition		72783	in food		64751*
in silage		72107	manufacture		30059	in meat products		75538*
in soils	29507	60144	Ammonium salts	92366	107168	in plants	10268*	59082*
80011	80085	80086	2790*	22127*	63053*	in poultry physiology	4187	93286
90884	101710	101790	Ammonium sulfamate		81042	in rice		10144
80000*	80324*	49821*	Ammonium sulfate			in swine physiology	42299*	52623*
in swine physiology		32341*	effects on plant disease		77809*	alpha-Amylase		
SEE ALSO Anhydrous ammonia			fertilizers	2659	30063	in barley		69106
Ammonia liquor	2340*	91392*	60749	90917		in blood		62279*
101932*			barley		20624	in flour	55267	86005
fertilizers	11533	80437	field crops		29804	in grain	25568	86005
in feed	30765*	62063*	pastures and meadows		11565	in honey	65778*	65785*
81634*	81675*		91068	29764*		in malt		44835
in feed processing		106356*	potatoes		102005*	in mung beans		38573*
Ammonia nitrogen	28110*	38318*	rice	20693	70527	in rye		79058
90923*			tobacco		70594	in starches		85929*
culture medium		15632*	wheat		91068	in wheat	38516*	78960*
effects on sugar beets		100185*	in culture media		22837*	beta-Amylase	15929	15936
in corn		69065*	in silage		30765*	69277	64748*	
in rumen		41280*	in soils		29513	Amylograph	34869	34940
in sheep nutrition		82790*	Ammonium sulfate-nitrate		30063	85915*		107539
Ammonification	39736	70889	Ammonium thiocyanate	100186	78441*	Amyloidosis	41852	104072
101786			Ammophila	40332	95334	93332*		92737*
Ammonium			Ammophila arenaria	68818	40344*	Amyloids		54996*
effects on Avena		58662	Ammophila breviligulata		91030	Amylopectin	1427	24353
effects on Chlorella vulgaris		28354	Ammophila ebenina		14829*	Amylose	1427	1500
effects on corn		68691	Ammopursus ohlingerae		98921	85981		47862
effects on insects		23489*	Ammothamnus		57547*	Amylothea		8670
effects on Picea abies		965*	Ammotrechula		53205	Amyrsidea elbeli		23948
effects on plants	1199	38368*	Amnemus quadrituberculatus		32744	Anabaena		27651
effects on Populus euroamericana		965*	Amnemus supercilialis		32744	Anabaena cycadeae		89309
fertilizers	2646	50411	Amniotic fluid		51952*	Anabaena cylindrica	37592	78967
70658*	80324*		Amo SEE AMO-1618			Anabaena doliolum		89309
fixation	11298	20441	AMO-1618	27983	38372	Anabaena naviculoides		89623
20454	49709	60154	Amoeba disease		105454	Anabaena variabilis		100639
39717*	60146*	60165*	Amomum dealbatum		708	Anacaena		105667*
in carrots		68963	Amomum subulatum	14165	105321	Anacanthotermes macrocephalus		95628
in Lolium perenne		28035	Amorphonostoc punctiforme		37681*	Anacardic acid		34690
in plants		49744*	Amorphophallus campanulatus		27852	Anacardium occidentale	8821	9992
in soils	20441	20454	Ampedus elegantulus		94844*	10026	52968	58520
39813	49709	60154	Ampelodesma		42964*	Anacardium orientale		89233
80085	80086	49744*	Ampelodesma mauritanicus		37656	Anacharis canadensis	18539*	100299*
60146*	70312*	90922*	Ampelodesma tenax SEE Ampelodesma mauritanicus		78051*	100333*		
Ammonium aluminum phosphate	80078		Ampelodesmos SEE Ampelodesma			Anachrostis		105962
Ammonium bicarbonate	41668*		Ampelodesmus	105583*		Anacrusina		43255
in cattle nutrition	31161*		Amphibians	14587		Anacyclus		68509*
31162*			Amphimallon caucasicum	94328*		Anacystis montana minor		99869
in feed		71663*	Amphimallon ferganensis	5192*		Anacystis nidulans	28315	68880
in sheep nutrition		31161*	Amphimallon majalis	63436		10226*		
in silage		51747*	Amphimallon solstitialis	73326*		anatomy and physiology		27540a
Ammonium carbonates	4341*	102291*	Amphimallon solstitialis matutinalis			28107	89413*	
Ammonium chloride	50146	62543				28319	28327	79064
Ammonium citrate	31841	80750	Amphimerus pseudofelineus		94929*	biochemistry		10208
Ammonium compounds		50008*	Amphinemura		31608	28319	28327	79064
Ammonium fluoride		2143	Amphiprion n g		64286*	morphology		27540a
Ammonium-lactate-acetic-acid		11307			23812	Anadastus		23578*
Ammonium molybdates		80751				Anadenanthera		88255
						Anafilaroides rostratus		22321

\*Text of this reference is not in English.

	Item		Item		Item
Anagallis	17716*	Anaulakous SEE Elytrotetrantus		Anemone coronaria	58624 58816
Anagallis arvensis	28027	(Anaulakous)		90415 99572*	
Anagallis arvensis foemina	100109	Anavinemina n g	95507	Anemone cylindrica	9576
Anagasta kuehniella		Anax imperator	14950 14951	Anemone narcissiflora	678*
biochemistry	105956*	Ancala africana	95097	Anemone nemorosa	98932*
biology	106043	Anchocoema	43327	Anemone pulsatilla	89129*
control	83518*	Anchusa	67861*	Anemone vernalis	78050*
cytology	43250	Ancistrocactus megarhizus	49159*	Anesthesia	3164 3965 12723
diseases	43279* 105997*	Ancistroplax	95635	51540 51574 61777	81708
genetics	53473* 105956*	Ancylis comptana fragariae	64221	81728 91907 103229	103314
parasites	5441 14796 43279*	Ancylis inornatana	95449*	103377 30993*	61805*
populations	53475	Ancylolera	83823	aphids	83299
Anagoga pulveraria	5550*	Ancylolerini	105649	bibliographies	103314
Anagraecum	88398	Ancylolomiini	14847*	buffaloes	13036
Anagrus armatus	52884*	Ancyllostoma caninum	82394 92695	camels	81849
Anahygrine	48576	Ancylostomiasis SEE Hookworms		cats	3831 22333 62551
Anakelisia n g	64131*	Ancyronyx	5142*	92712 92755 104001	3819*
Anal gland	103955	Ancystropus	94700	cattle	3546 22199 31433
Analeptes trifasciata	52968	Andaspis	95273	62359 92891 103772	3344*
Analgessidae SEE Analgidae		Andesite	50136	12984* 22258* 31245*	31246*
Analgidae	14433*	Andibothriurus SEE Bothriurus		31343* 52111*	103768*
Analgoidea	14461	(Andibothriurus)		dogs	3826 3831 13242
Anaphes amplipennis	64162*	Andiperlinae	64275*	52018 62531 62551	92717
Anaphes (Austranaphes) n sgen	64162*	Andira inermis	3010*	104020 3819*	31621*
Anaphothrips gracillimus	95646*	Ando soils	80040	goats	42204 104641
Anaphothrips zeae	73893	Andobocoris n g	95194	72441* 92689*	72518*
Anaphylaxis		Andreacarus	83770	guinea pigs	12731
cattle	72201* 103834*	Andrena	43207	history	22453
guinea pigs	104905* 104912* 104914*	Andrena (Calomelissa) n sgen	43207	horses	31675 92891 92926 22446*
swine	62276 92492*	Andrena clarkella	73761	31690* 31694*	52098*
Anaplasma	71688 72305	Andrena oenotherae group	5457	52114* 62630*	82458*
Anaplasma centrale	12943*	Andrena (Onagrandrena)	5457	mice	104172
Anaplasma marginale	62328 71688	Andrena oraria	5457	Myzus persicae	23259
92540 103623 103679 103698		Andrenidae		pigeons	13562*
103700 103761 103774 103843		Netherlands	33295*	poultry	31903
Anaplasma ovis	94081*	parasites	84212*	sheep	63088*
Anaplasmosis	13120 41665 41670	taxonomy	5450 5457 5470	swine	42287
51907 62276 62402 72203		43207 53450		104839 23001* 32432*	32438*
72305 92423 92424 92540		Andricus sieboldii	53025*	SEE ALSO Sedation; and names of	
103236 103640 103668 103691		Androctonus amoreuxi	5102*	anesthetics	
103693 103720 103745 103761		Androgens	31748*	Anethum graveolens	27526a 101605
103782 103809 103823 103859		Andrographis paniculata	19392	Aneuploidy SEE Polyploidy	
103867 104706 92492*		Androlaelaps	23572	Aneurin SEE Thiamine	
causes	103641	Andropogon	70512 79314 88286	Aneurysms	105827*
conferences and congresses	103798	100951 46812*	68379*	4194 22641 62604	
control	14078 62358 82275	Andropogon gayanus	1574 27841	Anexophana n g	64237*
103601 103860 103862 103872		89080		Angelica	79024*
103892 105101		Andropogon gryllus	40046* 59389*	Angelica archangelica	58238*
California	103658	Andropogon halepensis SEE Sorghum		Angelica dahurica	100604*
Jamaica	103788	halepense	27842	Angelica decurrens	38533*
Mississippi	105130	Andropogon scoparius	660	Angelica decursiva	100605*
diagnosis	13059 103692 103787	Andropogoneae	23593	Angelica edulis	100605*
103842 92567* 103680*		Aneflus	26825a	Angelica genuflexa	98973*
immunization	62328 103758	Anilema	73513	Angelica glabra	98889*
103848 12943*		Anelasmoccephalus cambridgei	5211*	Angelica pubescens	98899*
India	41655	Anemadinae	5211*	Angelica refracta	98978*
Louisiana	72233	Anemadiola n g	5211*	Angelica shishudo	98889*
Minnesota	103732	Anemadiola inordinata	5211*	Angelica sylvestris	17764* 19930*
resistance	103758 103763 103882	Anemia	72392	Angelica tschimganica	19371*
sheep	62276 104706 4746*	cats	22189 62276 103870	Angelica ursina	35399* 100605*
diagnosis	92567* 93684*	cattle	22239*	Angelica yoshinagae	1329*
transmission	94081*	dogs	82394 104005	Angilia	23763*
treatment	13662* 93647*	mice	82512	Angiography	62546*
transmission	103812 103862	minks	104078*	Angiospermae	18626 46922*
105085 105102 105111 94116*		sheep	32227 62276 82848	anatomy and physiology	28184
103680*		104676		37977 100008	
treatment	103759 92389*	swine	52632 52634 52588*	Annobon Island	98887
reviews	103694	104933 32440* 32547*		Australia	57554
USSR	92592*	63268* 83006*	83015*	breeding	100040
wildlife	103236 103812	causes	104843	China	98868*
Anarete	5246 14601	control		cytology	100074
Anarete johnsoni	14601	diagnosis		9390* 18707*	
Anarithmeus n g	33502*	Israel	72965	reviews	18570
Anarsia lineatella	4862 4866	prevention	13769 52624	100040 100072	18707*
Anascirtothrips n g	5606	63191 104944 13787*		germination	89276*
Anascirtothrips arorai	5606	42300* 63252* 63307*		hybrids	27895*
Anaspidiotus n g	53383	93883* 104815* 104916*		Iraq	57554
Anaspis	14515* 94856*	treatment	22968 93824	Japan	36666
Anaspis imitator	83828*	93823* 93845*		morphology	565*
Anaspis (Pinassa)	83828*	SEE ALSO Equine infectious anemia		68513 37670*	68484
Anaspis proteus	83828*	Anemia phyllitidis	19220 28163	68584* 78171*	57559*
Anastatus disparis	33359* 84178*	9506*		reviews	89110*
105868*		Anemometer	50990*	pollen	100072
Anastrepha	23289* 105304*	Anemone	46783*		58354
Anastrepha ludens	23035 63636*	56567 98856			
94408*		99903*			

\*Text of this reference is not in English.



	Item			Item			Item	
Angiospermae--Cont			Annulaspis	53411		Anopheles--Cont		
pollination 68484	68513	89316*	Annual yellow sweetclover	10505		parasites 52784	63455	
seeds 55819	89075		Annular furnace method	15388*		rearing and breeding	32647	
taxonomy 8755	67823	77320	Annulaspis	53411		surveys 63399*		
134* 57559*	77312*	98970*	Anobiidae			Upper Volta 43133*		
Wyoming 26881a			Africa 5147*			Vietnam 42474*		
Angiostrongylus cantonensis	22321		as pests 83535	4902*		Anopheles aconitus	93993	
Angiostrongylus vasorum	52027*		control 14245	14284*	83555*	Anopheles adenensis SEE Anopheles		
Angophora floribunda	91555		105361*			culicifacies adenensis		
Angora rabbit wool	25142	34549*	development	83855		Anopheles albimanus		
Angoumois grain moth SEE Sitotroga			ecology 63948*			and disease 63455	63456	94261
cerealilla 78286		78308	geographic distribution 63948*			control 63411	73097	
Angraecum eburneum	39128		host plant resistance 83535			genetics 4666	5360	
Anguina agrostis 494	18398		larvae 33102			habits and behavior	94009	
Anguina tritici 481	488*	57984*	life histories 5171			insecticide resistance 4666		
Angular leafspot			Mediterranean area 53247*			63411 73097 94009		
cotton 1560	27268a	27269a	microorganisms 63939*			Anopheles aquasalis	42483	
37395 47426	78286	78308	North America 14535			Anopheles argenteolobatus	43133*	
88854 88860			numbers 5174			Anopheles atroparvus SEE Anopheles		
cucumbers 432	37830	47459	nutrition 5188	14245		labranchiae atroparvus		
Cucurbitaceae 77857			populations 83855			Anopheles atropos	23723	
tobacco 99562			pupae 14541*			Anopheles balabacensis	73138	
Angustifoline	89959*		taxonomy 43040	14541*	73596*	Anopheles balabacensis balabacensis		
Anhomoeus n g	95201*		United Arab Republic 63713				23134	
Anhydrides	48578		Anobium	53247*		Anopheles bifurcatus	14719*	
Anhydrous ammonia	79235		Anobium punctatum			Anopheles (Cellia) 33155	73691	
application 80733	91403		as pests 63711			Anopheles claviger	23732*	43138*
application equipment 74051			control 23401	63688		53375*		
fertilizers 20598	21017	21034	host plant resistance 83535			Anopheles culicifacies	13917	
30052 70273	70867	80733	larvae 53286	63688		Anopheles culicifacies adenensis	94137*	
70578* 101918*			parasites 64167			Anopheles darlingi	42483	
Festuca 91125			Anoetangium 99009*			Anopheles freeborni	23719	
field crops 2401*			Anoetidae 33053	94732	94757	and disease 4696	4697	4758
rye 101933			94805 63892*			23145 63455 83231	105146	
Aniba 88345			Anoetus	94732		cytology 5350		
Anilides 90685			Anoetus akodoni	94757		parasites 105146		
Aniline 58992	100711		Anoetus topali	94757		Anopheles funestus		
Aniline blue 8603			Anogeissus latifolia	12404	40959	age	73136	
Animal fats SEE Fats and oils			Anomala dubia aenea		83876*	and disease 73136	105129	
Animal industry SEE Livestock			Anomala horticola SEE Phyllopertha			control	52775	
Animal protein factor 104279	62743*		horticola			Nigeria 84024		
Animals			Anomala orientalis	52827		reproduction 5346		
as pests 236			Anomalopsyllinae n sfam	95262		Anopheles gambiae		
conferences and congresses 8415			Anomiopsyllus	64268		age	73136	
domestication 51627	61612		Anomiopsyllus falsicalifornicus	64268		anatomy and physiology	95149	
92106 91902*			Anomis planalis	84127		and disease 4688	4689	23150
ecology 587	27408a	58147	Anomis sabulifera	32802	42640	94221 105129		
evolution 57477*			Anomodon		36949	Tanganyika 73136	83270	
genetics 41190	81624	81627	Anona SEE Annona			breeding places	43098	
research methods			Anopheles			control	32719	
statistical 27674	27695		age 42462			chemical 52740	52775	73124
27698 27758	27778	30753	anatomy and physiology	95134		94077		
habits and behavior 41190	92137		reviews 73142			tests 32720	42544	42545
SEE ALSO Fur-bearing animals;			and disease 4758	4768	32647	flight		14705
Laboratory animals; Livestock;			32737			fungi		14710
Ruminants; Wildlife; and names of			Africa 52740	63400*		habits and behavior	32719	73693
animals, anatomical parts, body			Argentina 32675*	32707*		insecticide resistance	52740	
fluids, diseases and other pathological			32708*			Nigeria 84024	95149	
conditions, operations, parasites,			Brazil 23135*	83265*		oviposition	33155	
pests, and products			Ghana 42462			Anopheles gambiae gambiae	73123	
Animert V-101 SEE Tetrasul			Indonesia 93993			Anopheles gambiae group	83261	
Anionite 49735*			Malagasy Republic 63400*			Anopheles gambiae melas	73123	
Anions SEE Ions			Morocco 63399*			Anopheles hyrcanus sinensis	4705*	
Anisandrus dispar SEE Xyleborus	dispar		New Guinea 83234			Anopheles koliensis	64049	
Anisococcus 53410			Portuguese Timor 4706*			Anopheles labranchiae atroparvus	14061	
Anisodactylus binotatus	94942		reviews 73142			73129*		
Anisodromus n g	14834		Venezuela 4708*			Anopheles maculatus maculatus	4705*	
Anisolabis maritima	84227	106147	biology 43146*			Anopheles maculipennis	14707	105799
Anisole 38514			control 14020	83234		43140*	73157*	
Anisoplia syriaca	63984*		Argentina 52740	52774	73092	Anopheles maculipennis messeae	43138*	43146*
Anisopodus 94900			Portuguese Timor			Anopheles messeae SEE Anopheles		
Anisops 53414	73714		situation and outlook			maculipennis messeae		
Anisops bouvieri	53394		Venezuela 4708*			Anopheles minimus	4682	
Anisops debilis	73714		cytology 95119			Anopheles minimus flavirostris	32714	
Anisops lansburyi	5403		ecology 42483	14719*		Anopheles nili	42540	
Anisops sardea	23751		feeding habits 42474*			Anopheles parensis	84017	
Ankistrodesmus braunii	19154	38408	flight 14020			Anopheles philippinensis	14715	
58979* 78776*			Germany 43138*			Anopheles plumbeus	14061	
Annaphila 95514			Ghana 42462			Anopheles pseudopunctipennis	94009	
Annaphila astrologa group	95514		hybridization 23719			94261		
Annaphila evansi	95382		identification 95119			Anopheles punctipennis	23719	73687
Annaphila spila	95382		insecticide resistance 32647			Anopheles quadrimaculatus		
Annaphila superba	95382		73092 63399*	63400*		and disease 4696	4697	4747
Annona cherimola SEE Cherimoya			larvae 14361			23145 63455 63456	105146	
Annona muricata SEE Sourp			Niger 43133*			bacteria 33232		
Annona squamosa SEE Custard apple			control 14715			control 73141		
Annonaceae 637	8715*		Pakistan			digestion 73698		

\*Text of this reference is not in English.

Item			Item			Item		
Anopheles quadrimaculatus--Cont			Antheraea pernyi			Anthonomus grandis--Cont		
diseases	84028		anatomy and physiology	73455		Arizona		63530
genetics	42386 63393	93960		23490*		biochemistry	5172	33126
	95128		biochemistry	73451*	73453*	42366	73602	
habits and behavior	5349	63458	disease resistance		105498*	chemoreception		23613
	83281		larvae		73451*	control	23221	23230
insecticide resistance		42386	metamorphosis		14337*		42589	52837
	63393	93960	pupae		23490*	chemical	63551	83155
larvae	14704	93960	rearing and breeding		14340*		105171*	63573
parasites	5345	105146	Antheraea polyphemus	23483	94615*	China		105163*
rearing and breeding		5349	Antheraea yamamai		106067*	tests	14108	23249
reproduction		95128	Anthericum		723*	42573	83172	
sterilization	42471	42472	Anthicidae			control equipment		83288
	63458		Arizona		73550	diapause	23601	42589
tagging		95128	Chad		23587*	enzymes		32624
Anopheles rufipes		43133*	collections		94828*	excretion		73581
Anopheles rufipes brucechwatti		43133*	Madeira Islands		83821*	feeding habits	23213	42973
Anopheles salbai		43133*	Neotropical Region		43039	fertility		63551
Anopheles sergentii		73686	Puerto Rico		5117	genetics		53234
Anopheles sinensis group		105793*	taxonomy		105601*	habits and behavior		43016
Anopheles stephensi			types		42957	host plant relations		23586
and disease		32651	Anthicus litorosus		53275	host plant resistance	23232	73197
control	4713	105099	Anthidium pallidiclypeum		33318		73198	
habits and behavior		105803	Anthidiinae SEE Megachilinae			insecticide resistance		42366
sexing		105795	Anthidiini	84093	95335	42434	73060	105241
tagging		14714	Anthiinae		14496*	life history		23586
Anopheles sundaicus		93993	Anthocephalus cadamba		79873	nematodes		23596
Anopheles swahilicus		73691	Anthoceros eckloni		37812	nutrition	33128	73608
Anopheles umbrosus group		63520	Anthocerotaceae		99888	overwintering		23601
Anophelinae		33238	Anthocerotales		8784*	oviposition	33128	42973
Anoplotermes		95661	Anthocharis cardamines		95407*		73197	
Anoplotermes shillongensis		95661	Anthochloa lepidula		36873*	rearing and breeding		105241
Anoplura			Anthochlorin SEE Xanthein			reproduction		14547
hosts	95635	64290*	Anthocleista rhizophoroides		69284*	tagging		63917
Kenya		14960	Anthocoptes		5081	Tennessee		94341
Oriental Region		95635	Anthocoridae	5397	14762	vision		42986
taxonomy	14961	95609		95182		Anthonomus grandis thurberiae		63530
USSR		73884*	Anthocoris antevolens	42692	63633	Anthonomus pomorum	23316*	94392*
Anomia plexippus SEE Danaus plexippus			Anthocoris nemoralis		95166	Anthonomus pyri	23315*	32840*
Anoplius	95341*	95364*	Anthocoris nemorum		95166	Anthonomus rubi		4856*
Antarchaea chionostica SEE Anomis			Anthocyanidins	38504	48596	Anthonomus sycophanta		83813
planalis			Anthocyanins			Anthophila memorana	32810*	83437*
Antennae		4692	in Apoplappus gracilis		48611*	Anthophila pariana		43274
Apis mellifera	32948*	105435*	in buckwheat		1102*	Anthophoridae	64165	73760
Blaberus craniifer		23939*	in cherries		44599	Anthophorini		95353
Calliphora vicina		43108*	in Chloris gayana		37828	Anthostoma mindorensis		9095*
Lygaeus kalmii		23771	in corn	38186	78568	Anthoxanthum		100031
Megacyllene antennatus		33089	in fruit		44757	Anthoxanthum aristatum		89881*
mosquitoes		95134	in fruit juices		96815*	Anthracene	69176	100597
Nicrophorus vespillio		105610*	in Gladiolus		38629	Anthrax		
Pseudeucoila bochei		84106*	in grapes	25369	10178*	bananas	27199a	99547
Reticulitermes flavipes		14978		96288*		blueberries		99506
reviews		42883	in Impatiens balsamina		48568	cherries		99428*
Sarcophaga argyrostoma		64048		68671		coffee		37217*
termites		106109	in Jacaranda acutifolia		48523*	cucumbers	99351	99377
Tribolium castaneum		5209	in Mathias incana		58452*	Cucurbita	19439	57936
Utetheisa pulchella		5529	in meat products		87807*	currants		77809*
Antennaria		37801	in Melandrium rubrum		19304*	Desmodium		427
Antennoseius		94679	in Orobancha minor		89781*	jute		99382
Anterhynchium (Dirhynchium) n sgen			in peas	27712*	27718*	raspberries		77797*
		84105	in Petunia		19272*	rye		386
Antestiopsis lineaticollis		83414	in Petunia hybrida	9794*	19327*	tomatoes		96893
Anthaxia salicis		14577*		58405*		watermelons	9169	27252a
Anthela nicotiae		42766	in plants	1401	59003	Anthracoida	99097	17896*
Anthelidae		14838		100593	1393*	Anthranilic acid	1426	59043
Anthelin		52043*		99686*	38401*		89890	
Anthelmintics	13700	30840*	in potatoes		100457*	Anthraquinone		41042
chemistry		42431	in radishes		89274	Anthrax		
effects on dogs		103978	in rice	835	37867*	buffaloes		31386
effects on horses		94036	in rye		78797*	cattle		
effects on poultry		31915*	in strawberries	44599	65634*	diagnosis	31331	13041*
effects on ruminants		61712	in Torenia fournieri		784	immunization	3620	31487*
effects on sheep	42215	63151*	in Viola tricolor		28393	USSR		82292
effects on swine		104857	in wine	74562*	74571*	diagnosis		30837
Northern Ireland		22841		96288*		ducks		72636*
plant sources		49546*	Anthocyanogens	16138*	107485*	goats	4386*	22826*
reviews		31036	Anthomyiidae			Guinea		103181*
synergism		81839*	as parasites		14642*	guinea pigs		13413
SEE ALSO names of anthelmintics		41656	China		105710*	laboratory animals		72529*
Anthelococcus n g		53410	eggs		64052	North America		
Anthemideae	28291*	89791*	Great Britain		33144	reviews		21889*
Anthemis		46852*	larvae	14153*	33192*	prevention		51550
Anthemis arvensis	27883	29212	Anthomyiini		73628	rabbits	4299	42113
Anthemis cotula		27883	Anthonomus		94830	resistance		13413
Anthene		33400	Anthonomus (Anthonomorphus)		94830	sheep	4386*	13041*
Antheraea eucalypti		33443	Anthonomus grandis				93692*	31487*
Antheraea mylitta		5511	anatomy and physiology		33126			
				73060				

\*Text of this reference is not in English.



Item	Item	Item	Item
<b>Anthrax--Cont</b>		<b>Antibiotics--Cont</b>	
South America reviews		hazards and safeguards	103309
swine 42289 82996	21889* 83060*	in cream	74770*
93844*		in feed	21767 61649 71660
transmission 51550	3193*	81658 103309 4496*	13448*
30941*		21753* 25098* 30793*	31174*
vaccines 3620 4299	72529	41207* 51393* 71667*	81827*
81706 92962 4386*	31025*	104796*	
61769*		in food	41226* 64762*
Yugoslavia	30975*	in food processing	54335 6210*
SEE ALSO Blackleg (animal)		in honey	83657* 107548*
Anthrax (insect)	73679*	in meat	75609* 81827* 97084*
Anthrax albofasciatus group	83969	in milk	3560 3586 3719
Anthrax busonicus	14614*	6380 24914 24936	65044
Anthrax trifasciata leucogaster	53318*	65117 65130 85300	106913
Anthrenus	53005*	6400* 15634* 34306*	34376*
Anthrenus flavipes 83871	83872	54505* 65095* 74770*	81827*
Anthrenus verbasci	94977*	82194* 82256* 85309*	85319*
Anthrenus vorax SEE Anthrenus flavipes		92523* 96623* 106963*	106984*
Anthribidae 94988 52937*	63907*	in propolis	42824*
94843*		in soils	9967 11356 20499
Anthriscus scandicina	49516	60222 58519* 70411*	
Anthroceridae SEE Zygaenidae		in sugar beet processing	97476*
Anthrone 7466	24360	insect sources	63732*
Anthropology 24401	24401	plant sources	6 17 36
Anthurium 10778 35873	38502*	4301 8615 11356	18189
Anthurium andraeanum 107994	29021*	19142 26755a 29563	35166
Anthurium scherzerianum	27069a*	36604 36616 36645	37404
48507*		46706 47607 47623	48584
Anthyllis	70362*	49558 55690 57773	67725
Anthyllis vulneraria 38197*	48196*	68414 77151 78265	88145
Antibiotics	55644	88146 88157 88194	88798
effects on algae	18985	89939 98764 8553*	8554*
effects on Anacystis nidulans	68880	8597* 8847* 17558*	26745a*
effects on animals 61644	103309	26756a* 26778a* 34442*	36628*
3166* 21738* 41212*	41226*	36647* 36657* 36677*	46697*
61855* 71800* 81827*	91846*	47418* 52225* 57421*	57968*
91862* 91941* 91987*		67680* 67938* 68234*	69331*
reviews 3085* 12587*		70393* 75224* 77167*	88141*
effects on Bacillus thuringiensis	105011	89324* 89325* 100101*	100110*
effects on bacteria 30910 41955	3111*	reviews 26801a 47054*	47054*
50056 51524 103304	51915*	Poland 30841*	30841*
12681* 30925* 30944*	51915*	therapeutic use 12535 71784	71784
62309* 70411* 71800*	92033*	34306* 51572* 61897*	71761*
93377* 94577* 96446*	103327*	81890*	
104922*		bees 5008 73356	83657*
effects on cattle 22080 22129	82103*	94536* 94577* 105461*	
22151 22177 72187*		cattle 41589 62177	72282
103834*		13049* 15704* 31395*	41610*
effects on Coleoptera 73563*		62274* 62399* 92523*	92593*
effects on ducks 31788*		103721* 103757*	
effects on fungi 12259* 12299*		dogs 31613*	
89360*		ducks 13500*	
effects on guinea pigs 41863*		mice 104175*	
effects on man 81658		poultry 62873 82643 13547*	
effects on microorganisms 5610		waste 30791* 104785*	
21905 62200 88683*		SEE ALSO names of antibiotics	
effects on minks 82412*		Antibodies SEE Antigens and antibodies	
effects on plant disease 37227		Antibothrus 23616	
47426 99203 437*	9010*	Anticarsia gemmatilis 42588*	
18243* 18253* 37397*	37410*	Anticharis linearis 27641a	
47456* 68104* 77578*	88723*	Anticholinergic agents SEE Parasympatholytic agents	
88735* 99393*		Anticholinesterases SEE Cholinesterase, inhibitors	
reviews 17949		Anticoagulants 81729	
effects on poultry 4090	4192	Antidaphne 77358	
4220 13440 13513	22612	Antienzymes 15634* 64744* 64952*	
41919 52238 72564	4101*	Antigastra catalaunalis 14087	
31791* 31794* 31872*	32003*	Antigens and antibodies 4153 4424	
52225* 62893* 62915*	62728*	12668 13120 21933	27918
62742* 93056*	93135*	30970 30983 31020	41291
reviews 93052*		42559 51507 51568	51610
effects on quail 104282*		71820 81821 81871	103343
effects on rabbits 82709 63002*		3130* 3249* 12685*	30845*
72187*		30927* 30958* 51538*	61885*
effects on red clover 69118*		71729* 71814* 81817*	81865*
effects on rice 28042 100331*		81866* 91906* 92012*	93846*
effects on ruminants 81878*		103339* 103972*	
effects on semen 81939*		Agallia constricta 23257	
effects on sheep 72848		buffaloes 72129	
effects on swine 22924 52238		cattle 12979	
4500* 32003* 52537*	93763*	13035 13284 22164	22165
effects on turkeys 62767		22188 22215 22247	31241
effects on turnips 69110*		31364 31459 31480	41266
effects on viruses 62616		41459 41550 41640	41645
effects on yeasts 48241*		41671 41674 51933	51936
		62163 62191 62252	62302
		</	

\*Text of this reference is not in English.

	Item		Item		Item
Antirrhinum coulterianum	9426*	Ants--Cont		Apanteles plutellae	73780
Antirrhinum elmeri	9426*	geographic distribution	5487	Apatania	95666*
Antirrhinum majus		14802 33300	73746 43212*	Apate monachus	94466*
anatomy and physiology	1002	Great Britain	53427 73738	Apatele leporina	43281 95536
38253 89560*		73739 73742	73750	Apatele psi	14898
biochemistry	38620*	habits and behavior	5484 14821	Apatele tridens	14898 43283
cytology	665* 37663*	14823 23802	23807 33302	Apatelinae	23828*
fungus diseases	52975	33349 43326	64144 95360	Apateticus cynicus	23755
genetics	37853	105904 5214*	23389* 23782*	Apatite	60176
germination	58814*	23783* 33336*	43203* 43218*	Apatura iris	84143
morphology	47758* 47831*	43219* 53430*	53432* 64146*	Apenesia	105874
pests	52975	84075* 95296*	95312* 95318*	Apera spica-venti SEE Agrostis spica-	
pollen	38253	95323* 95358*	95410*	venti	
seeds	89075	host plant relations	105904 105390*	Aperimetes brunneus	52923
Antirrhinum nuttalianum	9426*	illustrations	95298	Aphaenogaster (Attomyrma)	23805
Antiseptics	65007* 85092*	Italy	14842*	Aphaenogaster megominatus	23805
in flower preservation	16519	larvae	95361 95362	Aphaenops cerberus	73565*
in milk	44288* 85319*	life history	95298	Aphaenops crypticola	73565*
in wine manufacture	44167* 64965*	Louisiana	33307	Aphalara	5404*
106776* 106777*		Melanesia	53457	Aphalarini	53403*
Antiserum	22247 23730 42281	Mexico	33341	Aphaniptera SEE Fleas	
77520 99571 99638		mortality	14790	Aphanocapsa	78651*
77909*		Nearctic Region	33339	Aphanocephalus	83848*
Antisigara SEE Sigara (Antisigara)		Neotropical Region	14811 53213	Aphanogmus	43201*
Antispasmodics	41626*	nests	5487 23787 73742	Aphanomyces	47258
Antistea elegans	33049	73763 73777	105904 14807*	Aphanomyces cochlioides	10536
Antistrophus pisum	33298	33342*		28162 99487	
Antithamnion plumula	9385	Netherlands	95358*	Aphanomyces euteiches	99450
Antithamnion tristicum	88477	Nevada	5442	Aphelenchoides besseyi	510
Antitoxins	103354 104690	nomenclature	64153*	Aphelenchoides fragariae	27378a* 68326*
Antivenoms	42529	North Dakota	43235	88904* 99722* 99723*	
Antivermin	62569*	Norway	14789	Aphelenchoides ritzema-bosi	37491
Antocha	33135 94997	nutrition	23783* 95312*	37504 68314 27378a* 99681*	
Antonina graminis	32792	Oklahoma	33351	99722* 99723*	
Antracol	77787*	parasites	4687 33305	Chrysanthemum	58133
Antrycide	30843* 82444*	pests	53213	Aphelenchus avenae	508
Ants		protective devices	63769*	Aphelinidae	
abnormalities	43221*	Philippines	33303	biology	43191
Africa	83883*	Poland	32891*	Brazil	5444
allergenic	63473*	populations	5487	host animal relations	53461*
anatomy and physiology	5485	predators	5249 14786	India	95274
23813 84085 23926*		preservation	43235	Japan	43191
43215* 64161* 84099*		prey	23779	liberation	73264*
and aphids	4949*	pupal cases	53449*	life history	84069
and disease	4687 13985*	rearing and breeding	63473*	Republic of South Africa	43188
and scale insects	33302	reproduction	95298 33347*	Aphelinus mali	105297 63667*
and squirrels	73755	smell	105882	Aphelinus semiflavus	14734 95304
Argentina	5483	sonification	43215*	105905	
Arizona	14790	South America	14811	Aphelocheirus	23763*
as pests	13941 4977* 42618*	stings	63473*	Aphididae SEE Aphids	
94082*		surveys	14377*	Aphididae SEE Aphids	
as pollinators	73754*	Switzerland	23793*	Aphididae SEE Braconidae	
as predators	33328 63505	tagging	23794*	Aphidiinae	
beneficial	5454	taxonomy	14802 14809	as parasites	95251
biochemistry	33296	33351 53457	73745 73746	Europe	84053
biology	33339 33326*	95290 14784*	14842*	hosts	5472 64158 53423*
Brazil	33300 64146*	Utah	14809	Palaearctic Region	14824*
Cambodia	33342*	Western States	23805	taxonomy	84102
Canada	23779	Anuraphis helichrysi	32753	Aphidina SEE Aphidoidea	
caste	5485 23813 33299	Anurostreptus	83768*	Aphidinae SEE Aphids	
33347*		Anus	103174	Aphidius	95251
collecting	43235	dogs	13244 22347 41781	Aphidius brassicae SEE Diaeretiella	
Colorado	14802	41797		rapae	
communication	63769*	Pales maculata	105733*	Aphidius matricariae	5472
control		swine	52598*	Aphidius rapae SEE Diaeretiella rapae	
biological	4667*	Anysis brasiliensis	14840*	Aphidoidea	
chemical	32577* 93984*	Aonidiella aurantii	23286 83413	anatomy and physiology	5396*
policies and programs	105070	42671 73256		Czechoslovakia	95195
tests	63379	Aonidiella citrina	105315*	Europe	95251
Tropics	104992*	Aonidomytilus	105836	food and host plants	73707*
Uganda	32835	Aorta	12660 103167*	Great Britain	95253
desert areas	14809	cats	62553	India	73729
diseases	53430*	cattle	72248	Israel	14768
digestion	95305*	dogs	3834 52022 13238*	parasites	84053
Eastern Hemisphere	33300	31592* 72429*		phylogeny	105856*
ecology	33337	horses	62623	taxonomy	73722 95202 105856*
Colorado	14802	poultry	52209 72668	USSR	5396*
India	105878	turkeys	4194 62851	Aphids	
North Dakota	43235	93350 104316		abaca	4793
South Carolina	73752	Apaeleticus bellicosus	23784*	Abies	95234 14731*
Utah	14809	Apaeleticus mesostictus	23784*	Abies amabilis	23393
Europe	5443	Apalochrus fasciatus	43026	abnormalities	73735
feeding habits	23779 105877	Apamea sordens	52843*	Acer	23759 14725* 95169*
flight	5476 73777	Apamine	53063*	Acer pseudoplatanus	95188*
food and host plants	73768*	Apanteles belippae	5018	Aconitum	84054
France	23806*	Apanteles chilonis	105885	Alaska	95197
fungi	33349	Apanteles glomeratus	73756*	Albania	84058*
		Apanteles leptaura	95275	Amomum subulatum	105321

\*Text of this reference is not in English.



	Item				Item				Item		
Aphids--Cont				Aphids--Cont				Aphids--Cont			
anatomy and physiology			53384	food and host plants	4825	14098		Sanguisorba minor			73722
64109 73726 73735			14725*	23766 23774	73726	84043		Saintpaulia ionantha			84040*
14729*				95214 95234	14725*	14754*		Scotland			95202
and plant disease		23042	23097	52860* 83332*	84040*	93992*		Sedum rosea			95202
23194 23304		32753	42564	Italy	32642*	52753*		Sonchus oleraceus			23042
42624 42639		52852	52879	Tasmania		5406		sorghum	42596		94263*
52901 58087		73235	83291	forage plants		32775*		speciation			33283*
83305 83412		88872	94276	fruit	73770	73317*		strawberries		14166	32812
4818* 52864*		94290*	94330*	83332* 105263*				64113 83412			
105275*				gooseberries		83452		sugar beets	14089	32804	52852
Czechoslovakia	105197	94263*		grain	83363	14157*	63561*	63580 64099	83291	83305	
Finland		63557		83357*				83307 94270	105193	14134*	
Germany		63668*		grapes		105252*		52860* 52864*	52896*	73234*	
East Germany		105186*		grasses		63561*		83371* 83381*	83383*	94290*	
Hungary		32797*		Great Britain	95202	95252		94320* 105248*			
Netherlands	14133*	23234*		Hawaii		64128		sugarcane	105164	105248	
83364*				hops		63560		sweetclover		23223	
New Zealand	32796	73232		host plant relations	14725*	14752*		Taiwan		84060	
Poland		99570*		95169*				Tasmania		5406	
Republic of South Africa		14097		Iceland		95202		taxonomy	5378	73726	84043
Sweden		63561*		identification	23759	73270*		84055 14756*	43173*	95163*	
apples	63609 105297	108830		95241* 95257*				95256*			
52971* 83417*	83430*	83454*		India		33257		Thuja occidentalis		43159*	
as pests		52753*		insecticide resistance		52890*		tobacco	52879	83299	
bacteria		14765		Japan	84059	84060		types		14727	
barley	42624 42639	94273		Juglans regia	63605	4867*		variation	23772	105186*	
94273				kale		33258		Viola		4875	
beans		32806	42646	life history		64128		viruses	23097	64116*	
beets		73718*	84032*	Lilium	14222	52987		water relations	33265	33270	
Belgium		5427*		Lilium longiflorum		83496		wheat	73174	73232	
biochemistry	23736	23737		Lonicera		5415*		Yugoslavia		23774	
105861				migration		95169*		Aphis	14727	95359	
biology	32642* 52753*	53421*		mortality	33271	53413		Aphis abietina	32911*	83743*	
95163* 95242*				Morus		52918		Aphis brassicae SEE Brevicoryne			
conferences and congresses		64041		Near East		95256*		brassicae			
Brassica		33281		New Jersey		95214		Aphis commensalis		95163*	
broadbeans	73235 84029	73718*		New York		84043		Aphis craccivora	443	63555	
cabbage	5405 32806	52880*		New Zealand		73094		Aphis fabae		18005	
Canada		23766		nomenclature	14727	95258*		anatomy and physiology		33265	
carrots		52901		North America		95196		14729* 95212*			
Carya		4867*		North Borneo		4793		and plant disease	4792	14089	
Centaurea jacea		64118*		North Carolina		23760		83305 52864*	94320*		
Ceylon		73711		nutrition	23740	33269	14754*	biology		73718*	
chemoreception		105855		ornamental plants		52986*	52990*	control		14223	33806
cherries		73724*		outbreaks	14761*	52862*		chemical	42568*	73234*	8381*
citrus	42694	73270*		overwintering	14731*	105829*		83382* 83383*	94272*	94321*	
color		53384		Pakistan		33244		105245*			
Congo		23745*		parasites	5410	53413		Germany		52896*	
Coniferae	23413*	73317*		64156 64158	73770	84053		development		84029	
control	14222 23374	23181*		95177 95251	43159*	53379*		diapause		95159*	
biological	83171	23181*		64134* 83417*	95331*	105860*		eggs		95159*	
chemical	32796	52987	94276	peanuts		63555		food and host plants		73718*	
105235*				peas	33252	42564	105197	nutrition		84029	
France	32824*	105263*		Picea	95196	33283*	52990*	outbreaks		52862*	
Italy	32642*	93992*		95243* 105393*				predators		84032*	
Maryland		32812		Picea abies		64125*		reproduction	84029	84032*	
natural		52893	52880*	Picea omorika		64125*		Aphis gossypii			
Netherlands	14133*	14134*		Picea sitchensis		32911*		and plant disease	14084	42694	
23234* 55184*	63426*	83364*		Poland		43175*		biology		33273	
94290*				populations	4828	32812	63549	control	14136	63576*	
New Zealand		73232		73194				insecticide resistance		105020*	
tests		63423		forecasting	14761*	94266*		predators		63977	
USSR		63666*		Populus	95253	23382*		Aphis idaei		105306*	
corn	4824 63542	83367*		Populus nigra pyramidalis		84042*		Aphis laburni		52828	
94263*				Populus tremuloides		4915		Aphis maculatae		4915	
cotton	33273 63549	63977		potatoes	14097	14098	14135	Aphis maidis SEE Rhopalosiphum			
23181* 63576*	105020*			14136 23247	32793	52893		maidis			
currants		83457*		52904 63597	94276	94281		Aphis pomi	23294*	83417*	83430*
cytology		33259		105155 14133*	42641*	52942*		83454*			
development	43166	95169*		64096* 73194*	83364*	94266*		Aphis punctipennis SEE Euceraphis			
Dianthus caryophyllus		83491		95258* 105152*	105178*	105238*		punctipennis			
diapause		95159*		predators	33244	33281	63977	Aphis ruborum		5396*	
diseases	99085	43159*		95359 43159*	64096*	84042*		Aphis sambuci		14727	
dissemination	4823	14098		preservation		73699*		Aphis steinbergi		95163*	
14741*				Prunus cerasifera divaricata		73724*		Aphiura		14595	
ecology		64096*		Pteridophyta		63668*		Aphloia madagascariensis		10153	
eggs		95159*		Puerto Rico		73726		Aphloiol		10153	
enzymes		95250*		raspberries		105306*		Aphodiidae		83816*	
Euonymus europaeus		94321*		rearing and breeding		64115		Aphodiinae	53279*	83824*	94938*
Europe		84053		redpeppers		32794		Aphodius		83816*	94938*
fecundity	53413	14752*		reproduction	33271	43166		Aphodius (Allobodilus) n sgen		94938*	
feeding habits				105813*				Aphodius citellorum		94939*	
conferences and congresses		64041		Rhamnus cathartica		95163*		Aphodius howitti		105230	
field crops		83332*		rice		83294		Aphodius pseudotasmaniae		105230	
Finland		105860*		Rosa	5421	64113		Aphodius (Trigonoscelus) n sgen		94938*	
flight		23194		Rubus		64158		Aphodius zenkeri		5157	
				Rubus ellipticus		73729					

\*Text of this reference is not in English.

	Item		Item		Item		Item
Apholate		Apiculture--Cont		Apion	94893	14571*	73609*
cotton pest control	52878	France	63772	Apion aestivum			105198*
effects on <i>Aedes aegypti</i>	63457	83582*	94500	Apion atomarium			42997*
105047		Germany	23436	Apion cerdo			33114
effects on <i>Anopheles quadrimaculatus</i>	63458	Great Britain	4956	Apion fuscirostre			105890
effects on <i>Anthonomus grandis</i>	63551	handbooks	94523	Apion longirostre			94987
effects on <i>Ceratitis capitata</i>	93996*	USSR	4953	Apion origani			42997*
effects on <i>Culex pipiens quinquefasciatus</i>	94166	history	63788	Apion peculiare group			5168
effects on <i>Drosophila melanogaster</i>	104974	83639	83635*	Apion pisi			14570
effects on <i>Dysdercus cingulatus</i>	52878	Brazil	53072*	Apion spretissimum group			94893
effects on <i>Musca domestica</i>	42520	Germany	23472*	Apion vicinum			42997*
fly control	63464	Tanganyika	73350	Apion walshii			77807
insect resistance	105002	United Arab Republic	83619*	Apionidae SEE Curculionidae			
toxicity	22207	honey production	39606	Apis dorsata SEE Apis mellifera			
Aphoxide SEE Tepa		63756	73378	Apis indica			94538
Aphrastobracon	73737	4997*	5016*	Apis mellifera			
Aphrodes	95215	Australia	53057	abnormalities	42804		23429*
Aphrophora canadensis	95044	Florida	83655	83612*	105473*		
Aphrophorinae	105844	New Zealand	14299	reviews			42810
Aphthona	94834	Poland	105430*	age	105432	14296	53065
Aphthous fever SEE Foot-and-mouth disease	94905*	Switzerland	23469*	105447	53065		63795
Aphycus lounsburyi	105251*	42830*	83662*	4950*			73407*
Aphycus luteolus	95281	Idaho	83639	anatomy and physiology			5012
Aphylophorales SEE Agaricales		Iran	4947*	14293	14296	23438	23453
Aphytis	43188	Israel	23424	53066	53078	63766	94524
Aphytis costalimai	5444	Italy	63777*	94569	105448	105462	4986*
Aphytis cylindratu	84069	labor	66482*	14331*	32948*	63749*	63783*
Aphytis holoxanthus	14171	legal aspects	42796	63792*	73395*	73404*	73407*
Aphytis mytilaspidis	64081*	legislation	94519*	73408*	94442*	94497*	94522*
Apiculture	94513	Mediterranean area	105410	94543*	94554*	94565*	105411*
and agriculture	4991*	Michigan	4938	105423*	105431*		
Angola	14317*	migratory		as pests		14308	73436
apiaries		California	53060	as pollinators	4944	4957	4973
location	42822	Germany	5002*	4984	14326--	14329	14301
94517*		history	63739	14303	23434	23435	32923
New Zealand	105456	Italy	83583*	32940	53059	53073	63743
Switzerland	94563*	Sweden	53081*	83622	83638	105427	4953*
Wisconsin	32971	Switzerland	23466*	14304*	11321*	23465*	32936*
apiary management	23431*	Texas	105444	42814*	53075*	53081*	63786*
Bulgaria	83672*	Minnesota	32939	73447*	83586*	94494*	105416*
Florida	4963	Missouri	32963	105428*	105441*	105446*	105463*
Germany	73416*	Netherlands	94561*	Canada			14305
New Zealand	14297	Nevada	32951	Denmark			14315
Norway	83664*	Nigeria	32961	Hawaii			14316
Switzerland	42828*	Norway	73413	Hungary		4955*	73386*
Argentina	53056*	63760*	73391	New Jersey			32930
as an avocation	42796	73412*	73353*	Yugoslavia			14298
as an occupation	83678*	73424*	73442*	bacteria		83670*	94579*
associations	4941*	83620*		biochemistry		32932	73344
Czechoslovakia	73367*	periodicals	83588*	63732*	73358*	73395*	83589*
Germany	4936*	Poland	5013	biology			63796
policies and programs	83581*	policies and programs	32947*	reviews			63737*
Switzerland	32931*	public relations	32971	breeding	14292	42825	53087
83607*	83679*	records	63757	94513	105474	4969*	4989*
Texas	105444	regulation and inspection	23420*	5003*	23462*	73417*	83617*
Wisconsin	32971	73428*		83637*	94531*	94533*	105429*
Australia	73434	Republic of South Africa	83584	Great Britain			32922
beginners	4925	Rumania	32925*	Louisiana			32964
63767	94571	Scandinavia	73337*	Norway			73392*
83633*	4982*	Scotland	23425	Sweden			63751*
Belgium	23459*	situation and outlook	4993*	Switzerland			94534*
Bolivia	4948	Australia	32928	brood	53087	53088	63754
Bulgaria	73432*	Bulgaria	42829*	105415	105432	105433	105442
Canada	32966	Denmark	83618*	4981*	63793*	73369*	73446*
China	94557*	Sweden	105460*	83642*	105430*		
conferences and congresses	32926	Switzerland	42827*	care and handling		14318	32967
32938	73402*	statistics	4926*	53068	53087	53088	63766
costs and returns	94502	4985*	5009*	73443			
Czechoslovakia	32935*	study and teaching	4930	caste			53079*
Sweden	73377*	14317*	53084*	colony management		4925	4951
Switzerland	83678*	Denmark	73370*	4996	4999	23468	42806
Cuba	63788	Norway	73375*	42821	63741	63758	73443
Czechoslovakia	23433*	Sweden	73381*	73444	4988*	5007*	23463*
Denmark	42814*	73423*	83636*	23466*	42809*	63759*	73415*
equipment	4927	Switzerland	94496*	Argentina			23473
4961	4967	Tanganyika	53077*	Australia			14325
23445	23451	Turkey	73350	Denmark		4970*	23452*
42799	53060	USSR	83652*	Germany			23454*
73410	94550	73448*	73355	East Germany		23455*	23456*
4974*	5016*	53067	63774	53651*			
83610*	83611*	Apiculture insurance	42834*	Michigan			23426
94583*	94511*	94585*		moving		63767	42805*
Florida	23460	Apiculturists	83677*	mountain areas			4980*
		Apidae	5437	Netherlands			4978*
		64154	95313	Norway	83585*	83590*	83628*
		Apiocera	83923	robbing			83611*
		Apioceridae	83923	seasonal		105452	105468
				spring		42828*	94547*

\*Text of this reference is not in English.



Item	Item	Item	Item	Item	Item	Item	Item	Item	Item
Apis mellifera--Cont	Apis mellifera--Cont	Apis mellifera--Cont	Apis mellifera--Cont	Apis mellifera--Cont	Apis mellifera--Cont	Apis mellifera--Cont	Apis mellifera--Cont	Apis mellifera--Cont	Apis mellifera--Cont
colony management--cont	laying workers	smell	smell	smell	smell	smell	smell	smell	smell
seasonal--cont	73405* 83676*	73399*	73399*	73399*	73399*	73399*	73399*	73399*	73399*
winter 4964 23442 42798	legislation 23448*	sonification 94570 105426*	sonification 94570 105426*	sonification 94570 105426*	sonification 94570 105426*	sonification 94570 105426*	sonification 94570 105426*	sonification 94570 105426*	sonification 94570 105426*
83596 105418 105451 105464	longevity 105443	Southeast Asia 105422	Southeast Asia 105422	Southeast Asia 105422	Southeast Asia 105422	Southeast Asia 105422	Southeast Asia 105422	Southeast Asia 105422	Southeast Asia 105422
5004* 53085* 73449* 94573*	microorganisms 73385*	stings 4967 14318 32972	stings 4967 14318 32972	stings 4967 14318 32972	stings 4967 14318 32972	stings 4967 14318 32972	stings 4967 14318 32972	stings 4967 14318 32972	stings 4967 14318 32972
swarming 4933 4972 14300	molt 53066	taste 94508*	taste 94508*	taste 94508*	taste 94508*	taste 94508*	taste 94508*	taste 94508*	taste 94508*
14319 23457 63740 63770	mortality 32970 5004* 63785*	taxonomy 83602 105429*	taxonomy 83602 105429*	taxonomy 83602 105429*	taxonomy 83602 105429*	taxonomy 83602 105429*	taxonomy 83602 105429*	taxonomy 83602 105429*	taxonomy 83602 105429*
63782 63787 63790 73354	New Guinea 83626*	temperature 5014* 5015* 83656*	temperature 5014* 5015* 83656*	temperature 5014* 5015* 83656*	temperature 5014* 5015* 83656*	temperature 5014* 5015* 83656*	temperature 5014* 5015* 83656*	temperature 5014* 5015* 83656*	temperature 5014* 5015* 83656*
73436 94572 105468 23431*	nuclei 14297 4988*	trade 73435	trade 73435	trade 73435	trade 73435	trade 73435	trade 73435	trade 73435	trade 73435
32943* 32954* 32960* 42809*	nurse bees 14297 4988*	Europe 73435	Europe 73435	Europe 73435	Europe 73435	Europe 73435	Europe 73435	Europe 73435	Europe 73435
73393* 83615* 83616* 94581*	nutrition 14302 42808	United Arab Republic 105432	United Arab Republic 105432	United Arab Republic 105432	United Arab Republic 105432	United Arab Republic 105432	United Arab Republic 105432	United Arab Republic 105432	United Arab Republic 105432
94584*	63776 73347	venom 14293 14295	venom 14293 14295	venom 14293 14295	venom 14293 14295	venom 14293 14295	venom 14293 14295	venom 14293 14295	venom 14293 14295
Switzerland 83643* 83676*	105433 105471	23470 32972 105459	23470 32972 105459	23470 32972 105459	23470 32972 105459	23470 32972 105459	23470 32972 105459	23470 32972 105459	23470 32972 105459
two queens 4927 32968* 32969*	53083* 63731*	53063* 94541*	53063* 94541*	53063* 94541*	53063* 94541*	53063* 94541*	53063* 94541*	53063* 94541*	53063* 94541*
83600*	73396* 73414*	analysis and composition 94560*	analysis and composition 94560*	analysis and composition 94560*	analysis and composition 94560*	analysis and composition 94560*	analysis and composition 94560*	analysis and composition 94560*	analysis and composition 94560*
uniting 73363*	83659* 83669*	therapeutic use 4994 63773	therapeutic use 4994 63773	therapeutic use 4994 63773	therapeutic use 4994 63773	therapeutic use 4994 63773	therapeutic use 4994 63773	therapeutic use 4994 63773	therapeutic use 4994 63773
communication 53089 63769	94544* 105417*	vision 32934 42819* 105413*	vision 32934 42819* 105413*	vision 32934 42819* 105413*	vision 32934 42819* 105413*	vision 32934 42819* 105413*	vision 32934 42819* 105413*	vision 32934 42819* 105413*	vision 32934 42819* 105413*
53083* 63734* 63744*	package bees 4956 63766 73349	105435*	105435*	105435*	105435*	105435*	105435*	105435*	105435*
63780* 94509* 105426*	73373	water relations 63766	water relations 63766	water relations 63766	water relations 63766	water relations 63766	water relations 63766	water relations 63766	water relations 63766
conferences and congresses 94580*	parasites 42820 105422 73360*	watering 105439 73399*	watering 105439 73399*	watering 105439 73399*	watering 105439 73399*	watering 105439 73399*	watering 105439 73399*	watering 105439 73399*	watering 105439 73399*
cytology 73351 94537 94578	pests 4954 14322 23460 23091	weight and measurement 83624	weight and measurement 83624	weight and measurement 83624	weight and measurement 83624	weight and measurement 83624	weight and measurement 83624	weight and measurement 83624	weight and measurement 83624
development 23438 73351 105442	42820 105455 4977* 63775*	105431*	105431*	105431*	105431*	105431*	105431*	105431*	105431*
73406* 83653*	73390* 83609*	workers 4952 32973 63735	workers 4952 32973 63735	workers 4952 32973 63735	workers 4952 32973 63735	workers 4952 32973 63735	workers 4952 32973 63735	workers 4952 32973 63735	workers 4952 32973 63735
digestion 73385*	83673* 94493*	83624 105442 105475	83624 105442 105475	83624 105442 105475	83624 105442 105475	83624 105442 105475	83624 105442 105475	83624 105442 105475	83624 105442 105475
disease resistance 105437 105438	poisoning 4952 4957 4976	32948* 42826* 53079*	32948* 42826* 53079*	32948* 42826* 53079*	32948* 42826* 53079*	32948* 42826* 53079*	32948* 42826* 53079*	32948* 42826* 53079*	32948* 42826* 53079*
diseases 23418 53069 73341	23440 23446 42815 63762	73407* 83659* 94494*	73407* 83659* 94494*	73407* 83659* 94494*	73407* 83659* 94494*	73407* 83659* 94494*	73407* 83659* 94494*	73407* 83659* 94494*	73407* 83659* 94494*
94498 94499 94530 94555	63774 73339 73341 73400	94565* 94566*	94565* 94566*	94565* 94566*	94565* 94566*	94565* 94566*	94565* 94566*	94565* 94566*	94565* 94566*
105415 105419 105454 4935*	73420 83605 94530 4932*	Apis mellifera adansonii 14323	Apis mellifera adansonii 14323	Apis mellifera adansonii 14323	Apis mellifera adansonii 14323	Apis mellifera adansonii 14323	Apis mellifera adansonii 14323	Apis mellifera adansonii 14323	Apis mellifera adansonii 14323
14320* 42831* 53090* 63759*	4962* 5002* 14307* 32927*	Apis mellifera capensis 105412	Apis mellifera capensis 105412	Apis mellifera capensis 105412	Apis mellifera capensis 105412	Apis mellifera capensis 105412	Apis mellifera capensis 105412	Apis mellifera capensis 105412	Apis mellifera capensis 105412
63775* 63793* 73366* 73374*	32945* 42812* 53064* 73440*	Apis mellifera carnica 94554*	Apis mellifera carnica 94554*	Apis mellifera carnica 94554*	Apis mellifera carnica 94554*	Apis mellifera carnica 94554*	Apis mellifera carnica 94554*	Apis mellifera carnica 94554*	Apis mellifera carnica 94554*
83612* 83642* 83663* 83671*	83630* 94504* 94529* 94551*	Apis mellifera ligustica 14323 83631*	Apis mellifera ligustica 14323 83631*	Apis mellifera ligustica 14323 83631*	Apis mellifera ligustica 14323 83631*	Apis mellifera ligustica 14323 83631*	Apis mellifera ligustica 14323 83631*	Apis mellifera ligustica 14323 83631*	Apis mellifera ligustica 14323 83631*
94506* 94520* 94564*	prevention 5011 63758 83665*	Apis mellifica SEE Apis mellifera	Apis mellifica SEE Apis mellifera	Apis mellifica SEE Apis mellifera	Apis mellifica SEE Apis mellifera	Apis mellifica SEE Apis mellifera	Apis mellifica SEE Apis mellifera	Apis mellifica SEE Apis mellifera	Apis mellifica SEE Apis mellifera
Australia 14310 14330	94552*	Apium graveolens 49301*	Apium graveolens 49301*	Apium graveolens 49301*	Apium graveolens 49301*	Apium graveolens 49301*	Apium graveolens 49301*	Apium graveolens 49301*	Apium graveolens 49301*
causes 105414 105447	tests 94548	Apium graveolens dulce SEE Celery	Apium graveolens dulce SEE Celery	Apium graveolens dulce SEE Celery	Apium graveolens dulce SEE Celery	Apium graveolens dulce SEE Celery	Apium graveolens dulce SEE Celery	Apium graveolens dulce SEE Celery	Apium graveolens dulce SEE Celery
conferences and congresses 83667*	predators 63755 105450*	Aplanobacter populi 58053*	Aplanobacter populi 58053*	Aplanobacter populi 58053*	Aplanobacter populi 58053*	Aplanobacter populi 58053*	Aplanobacter populi 58053*	Aplanobacter populi 58053*	Aplanobacter populi 58053*
control 23458 94526 23420*	protective devices 63769*	Aplomyopsis 95072	Aplomyopsis 95072	Aplomyopsis 95072	Aplomyopsis 95072	Aplomyopsis 95072	Aplomyopsis 95072	Aplomyopsis 95072	Aplomyopsis 95072
23448* 83581* 83657* 94519*	pupae 53066	Aplonobia 83807	Aplonobia 83807	Aplonobia 83807	Aplonobia 83807	Aplonobia 83807	Aplonobia 83807	Aplonobia 83807	Aplonobia 83807
94553* 94576* 94577*	quality 105429*	Aplopappus divaricatus 47811	Aplopappus divaricatus 47811	Aplopappus divaricatus 47811	Aplopappus divaricatus 47811	Aplopappus divaricatus 47811	Aplopappus divaricatus 47811	Aplopappus divaricatus 47811	Aplopappus divaricatus 47811
Denmark 4935*	queens 23449 32973 53057	Aplopappus gracilis 27525a 89294	Aplopappus gracilis 27525a 89294	Aplopappus gracilis 27525a 89294	Aplopappus gracilis 27525a 89294	Aplopappus gracilis 27525a 89294	Aplopappus gracilis 27525a 89294	Aplopappus gracilis 27525a 89294	Aplopappus gracilis 27525a 89294
diagnosis 94538	53069 63735 63756 105454	Aplosynox 105617*	Aplosynox 105617*	Aplosynox 105617*	Aplosynox 105617*	Aplosynox 105617*	Aplosynox 105617*	Aplosynox 105617*	Aplosynox 105617*
Germany 23448*	4969* 32944*	Apocynaceae 37745	Apocynaceae 37745	Apocynaceae 37745	Apocynaceae 37745	Apocynaceae 37745	Apocynaceae 37745	Apocynaceae 37745	Apocynaceae 37745
reviews 42810	50379* 63751*	anatomy and physiology 37745	anatomy and physiology 37745	anatomy and physiology 37745	anatomy and physiology 37745	anatomy and physiology 37745	anatomy and physiology 37745	anatomy and physiology 37745	anatomy and physiology 37745
treatment 83668*	73406* 73407*	biochemistry 48615* 100636*	biochemistry 48615* 100636*	biochemistry 48615* 100636*	biochemistry 48615* 100636*	biochemistry 48615* 100636*	biochemistry 48615* 100636*	biochemistry 48615* 100636*	biochemistry 48615* 100636*
drones 14292	83612* 83616*	cytology 98971	cytology 98971	cytology 98971	cytology 98971	cytology 98971	cytology 98971	cytology 98971	cytology 98971
32974 53091 63791 63794	83637* 83642* 83649*	Apocides madagascariensis 106098	Apocides madagascariensis 106098	Apocides madagascariensis 106098	Apocides madagascariensis 106098	Apocides madagascariensis 106098	Apocides madagascariensis 106098	Apocides madagascariensis 106098	Apocides madagascariensis 106098
83610 105442 105474 105475	83671* 83676*	beta-Apo-8'-carotenol 74521 45215*	beta-Apo-8'-carotenol 74521 45215*	beta-Apo-8'-carotenol 74521 45215*	beta-Apo-8'-carotenol 74521 45215*	beta-Apo-8'-carotenol 74521 45215*	beta-Apo-8'-carotenol 74521 45215*	beta-Apo-8'-carotenol 74521 45215*	beta-Apo-8'-carotenol 74521 45215*
4968* 4986* 32924* 32948*	age 73397* 14323	Apoidea SEE Bees	Apoidea SEE Bees	Apoidea SEE Bees	Apoidea SEE Bees	Apoidea SEE Bees	Apoidea SEE Bees	Apoidea SEE Bees	Apoidea SEE Bees
53079* 73398* 83676* 94507*	anatomy and physiology 23449 53080*	Apollonophanes 42951	Apollonophanes 42951	Apollonophanes 42951	Apollonophanes 42951	Apollonophanes 42951	Apollonophanes 42951	Apollonophanes 42951	Apollonophanes 42951
94514* 94525*	conferences and congresses 83667*	Apomixis SEE Parthenogenesis	Apomixis SEE Parthenogenesis	Apomixis SEE Parthenogenesis	Apomixis SEE Parthenogenesis	Apomixis SEE Parthenogenesis	Apomixis SEE Parthenogenesis	Apomixis SEE Parthenogenesis	Apomixis SEE Parthenogenesis
ecology 53074 53071*	development 105442 4958*	Apomyeloidis bistriatella neophanes 23914	Apomyeloidis bistriatella neophanes 23914	Apomyeloidis bistriatella neophanes 23914	Apomyeloidis bistriatella neophanes 23914	Apomyeloidis bistriatella neophanes 23914	Apomyeloidis bistriatella neophanes 23914	Apomyeloidis bistriatella neophanes 23914	Apomyeloidis bistriatella neophanes 23914
eggs 42804 53091 53092	23427*	Apoplexy 31537*	Apoplexy 31537*	Apoplexy 31537*	Apoplexy 31537*	Apoplexy 31537*	Apoplexy 31537*	Apoplexy 31537*	Apoplexy 31537*
63761 63791 83601 73405*	diseases 23429*	Aporia crataegi 5512* 23293*	Aporia crataegi 5512* 23293*	Aporia crataegi 5512* 23293*	Aporia crataegi 5512* 23293*	Aporia crataegi 5512* 23293*	Aporia crataegi 5512* 23293*	Aporia crataegi 5512* 23293*	Aporia crataegi 5512* 23293*
hatching 83601	feeding habits 94514*	Aporinellus 14810*	Aporinellus 14810*	Aporinellus 14810*	Aporinellus 14810*	Aporinellus 14810*	Aporinellus 14810*	Aporinellus 14810*	Aporinellus 14810*
enzymes 14309	fertility 53092	Aporophylla nigra 23855*	Aporophylla nigra 23855*	Aporophylla nigra 23855*	Aporophylla nigra 23855*	Aporophylla nigra 23855*	Aporophylla nigra 23855*	Aporophylla nigra 23855*	Aporophylla nigra 23855*
feeding habits 63780*	introduction 4960 63736 63779	Aporphine 38549	Aporphine 38549	Aporphine 38549	Aporphine 38549	Aporphine 38549	Aporphine 38549	Aporphine 38549	Aporphine 38549
fertility 94514*	23447*	Apotomis infida 23899*	Apotomis infida 23899*	Apotomis infida 23899*	Apotomis infida 23899*	Apotomis infida 23899*	Apotomis infida 23899*	Apotomis infida 23899*	Apotomis infida 23899*
flight 53078 63789	longevity 105435*	Apoxylocopa SEE Xylocopa (Apoxylocopa)	Apoxylocopa SEE Xylocopa (Apoxylocopa)	Apoxylocopa SEE Xylocopa (Apoxylocopa)	Apoxylocopa SEE Xylocopa (Apoxylocopa)	Apoxylocopa SEE Xylocopa (Apoxylocopa)	Apoxylocopa SEE Xylocopa (Apoxylocopa)	Apoxylocopa SEE Xylocopa (Apoxylocopa)	Apoxylocopa SEE Xylocopa (Apoxylocopa)
94643 23437* 42819*	mating 32974 63745 63795	Appelia schwartzii 105197	Appelia schwartzii 105197	Appelia schwartzii 105197	Appelia schwartzii 105197	Appelia schwartzii 105197	Appelia schwartzii 105197	Appelia schwartzii 105197	Appelia schwartzii 105197
63785* 94507* 105434*	105424 23462*	Appendiculella 88499*	Appendiculella 88499*	Appendiculella 88499*	Appendiculella 88499*	Appendiculella 88499*	Appendiculella 88499*	Appendiculella 88499*	Appendiculella 88499*
food and host plants 105426*	queen cells 23449 53062	Appetite 52394	Appetite 52394	Appetite 52394	Appetite 52394	Appetite 52394	Appetite 52394	Appetite 52394	Appetite 52394
foragers 53061 63765	queen's substance 23476* 32952*	animals 13660 21780	animals 13660 21780	animals 13660 21780	animals 13660 21780	animals 13660 21780	animals 13660 21780	animals 13660 21780	animals 13660 21780
63741 63742 63764 63765	73425*	92324 103098 82938*	92324 103098 82938*	92324 103098 82938*	92324 103098 82938*	92324 103098 82938*	92324 103098 82938*	92324 103098 82938*	92324 103098 82938*
105445 4950* 23419*	rearing 14299 23473 32942	Apple-and-thorn skeletonizer SEE	Apple-and-thorn skeletonizer SEE	Apple-and-thorn skeletonizer SEE	Apple-and-thorn skeletonizer SEE	Apple-and-thorn skeletonizer SEE	Apple-and-thorn skeletonizer SEE	Apple-and-thorn skeletonizer SEE	Apple-and-thorn skeletonizer SEE
83608* 83672* 94518*	53065 63761 4968*	Anthophila pariana	Anthophila pariana	Anthophila pariana	Anthophila pariana	Anthophila pariana	Anthophila pariana	Anthophila pariana	Anthophila pariana
105426* 105434*	23461* 23462*	Apple aphid SEE Aphis pomi	Apple aphid SEE Aphis pomi	Apple aphid SEE Aphis pomi	Apple aphid SEE Aphis pomi	Apple aphid SEE Aphis pomi	Apple aphid SEE Aphis pomi	Apple aphid SEE Aphis pomi	Apple aphid SEE Aphis pomi
genetics 23421 53092 105424	73343* 73402*	Apple fruit moth SEE Argrestia con-	Apple fruit moth SEE Argrestia con-	Apple fruit moth SEE Argrestia con-	Apple fruit moth SEE Argrestia con-	Apple fruit moth SEE Argrestia con-	Apple fruit moth SEE Argrestia con-	Apple fruit moth SEE Argrestia con-	Apple fruit moth SEE Argrestia con-
105437 105438 5003*	94545* 94568*	jugella	jugella	jug					

			Item			Item			Item
Apples			68520*	Apples--Cont				Apples--Cont	
abnormalities		27488a	68082*	containers	34775	55138	75289	enzymes	19332
advertising	65475		65508	75615	85861			89363	107313
85758	85779	107283		contamination	75195	85722	107311	feed	
Michigan			15958	75261*	86276*			fertilizers	2344
New York			85778	cooking	36319	54980	108938	9997*	18920*
Ohio			44679	cooling		55155*	65593*	68965*	68982*
Switzerland			6806	cooperatives	55030	65469	65477	Australia	
Virginia			44674	65499	85760	96822		Belgium	20756
Washington	6785	6790	6791	Ireland			15970	Canada	28238
25403	55032			Japan		34732*	45862*	Colorado	18897
analysis and composition			34696	Michigan			85753	France	11598
44595	58929	65451	75195	Oregon		25383	107262	1131*	1132*
85722	85868	107256	6760*	Pennsylvania			6801	102022*	
34703*	44594*	85732*		costs and returns	55101	56568		Germany	10132*
anatomy and physiology	879	904		56569				Great Britain	60494*
911	915	1024	1075	Bulgaria			45942*	Hungary	80465*
1168	9250	9934	9961	Netherlands			76435*	Italy	50181*
9983	9984	9999	16063	New York	66908	70717	87174	Japan	91157*
18868	18897	19101	19187	Switzerland			87225*	New York	60460
19258	19332	27805	28157	USSR			108558*	Rumania	40090*
28238	34826	37775	37776	culture	879	904	19812	Tennessee	29773
37944	38042	38272	38284	57790	79476	28851*	68879*	USSR	39044*
38365	39049	47939	47953	Australia			101187	80477*	58770*
47988	47995	48024	48149	Canada	38284	59591	59592	Washington	19987
48185	48494	49076	58207	39047*				flavor and odor	65451
58512	58560	58590	58613	Denmark			1770*	flowering date	9674*
58812	58871	58878	58902	Europe			90330*	for processing	34234
58903	58927	58929	68683	France			101177*	55101	59592
78366	78609	78646	78696	Germany	10132*	69750*	69770*	85830	65474
78715	78785	78830	78872	Great Britain		10640	18868	65458*	1132*
83397	89071	89363	100410	49085				France	16009*
100528	1131*	1132*	9753*	Illinois			77495	Germany	69743*
9843*	9854*	9997*	10009*	Ireland			10641	Great Britain	10640
10084*	10132*	18589*	18920*	Japan	28858*	33759*	39058*	Japan	75261*
18978*	18998*	19081*	19088*	39060*	39066*			Switzerland	87225*
19138*	19833*	27424a*	27865*	Lithuania			28867*	Virginia	44811
28219*	28855*	37994*	38254*	Netherlands			69741*	Washington	6855
38363*	38364*	44765*	48184*	New Hampshire			59581	fruit set	904
48193*	48360*	58280*	58518*	New York	59546	59550	59557	47954	38050
58519*	58643*	58656*	58717*	59558	79480			fungus diseases	362
58731*	58751*	58758*	58770*	New Zealand				27237a	58011
58826*	58889*	59575*	59579*	Norway		69764*	90334*	99392	58011
68879*	68952*	68965*	68982*	Ohio			80538	34791*	58006*
69020*	69040*	69095*	69099*	Oregon			39063	Australia	9099
69107*	69144*	78397*	78424*	Pennsylvania			39037	Canada	9022
78427*	78465*	78491*	78577*	Poland			49093*	control	375
78722*	78773*	78786*	89526*	Rumania			101171*	14178	18165
100168*	100180*	100228*	100267*	USSR	28863*	39061*	59543*	57928	57929
100292*	100319*	100505*	102093*	59566*	59577*	60566*		77847	77850
bibliographies			58550	Washington		1762	1769	27115*	57985*
bacterial diseases	439	18241		West Virginia		88646		Australia	9025
47430	47447	77853	77862	cytology	27593a	27488a*	27494a*	77838	
18258*	99552*			damage	6738	75289	75299	biological	9077
Colorado			27184a	defects		6751	6753	Canada	18206
control	37411	47444	58045	deficiency diseases		28082*	48006*	Czechoslovakia	68213*
Italy			58042*	discoloration			107313	Delmarva Peninsula	27146a
biennial bearing	879	1075	58634	disease resistance		37258	37299	Finland	423*
58605*				37300	47447	18200*	19815*	France	107333*
biochemistry	38646	48644	59008	77786*	88726*	88753*	88833*	Germany	37190*
59019	69180	78696	18589*	100319*				57953*	58696*
65576*	68982*	69099*	79021*	diseases		17960	68861*	Great Britain	27099a
breeding	37841	59563	10647*	control			15219	27259a	77761
59572*				Canada		57791	68061*	Hungary	*
bibliographies		1724		Connecticut		47096	47135	Illinois	27115a*
Finland		59571*		47161				Italy	77765
Germany		59579*		Illinois			77569	18125*	18126*
East Germany		100031*		Maryland			37160	18175*	99310*
Israel		59590		West Virginia			57753	Japan	27173a*
USSR	58454*	59540*	59554*	France			88627*	Netherlands	99335*
59568*	59588*	69746*		Italy			37084	Norway	9042*
canning			96890	New York			18015	Peru	47208*
care and handling	6931	34775		Ohio			37043	Poland	88688
75322	85850			Sweden			68082*	99282*	77651*
care and handling equipment		64366		dried			6760*	Spain	
34792*				drying			85830	USSR	88751*
chemistry	44604	85841	6737*	dwarf	1760	1774	10645	Washington	27262a*
cleaning			34826	10652	47875	49079	49090	47228	418
coating			65605*	59547	63742	69734	79478	Yugoslavia	58019*
color	19821	38646	44671	49096*	58295*	59560*	59576*	Denmark	77790*
44694	44790	58871	78785	Arkansas			37131	Estonia	47329*
bibliographies			58550	Canada		49100	59562	France	68152*
consumer preferences	15943	44671		Indiana			10638	Germany	18124*
consumption		34719		Ohio			39033	Great Britain	47218*
France	15894*	107259*		Oregon			39063	99270	99434
Italy		6711		USSR	59548*	59598*	59602*	Hungary	18092*
Netherlands		44631*		Utah			19851	Montana	68099
New Jersey		75226		ecology	37569	27424a*	58182*	Netherlands	9083
								18099*	9127
								Norway	99346*

\*Text of this reference is not in English.

\*\*Text of this reference partially in English



## SUBJECT INDEX

				Item
Apples--Cont				
fungus diseases--cont				
Poland	27091a*	27094a*	37260	
reviews		233	99387	
Rumania	8997*	18200*	18222	
Southeastern States			27239	
USSR		47378*	88726	
United Arab Republic			57871	
genetics	99436	58454*	100081	
bibliographies			1724	
germination	18891*	48331*	58548	
89635*				
grading and standardization			15982	
44694	34792*	85793*		
Denmark			44693	
Illinois			96852	
Ireland			15985	
Virginia			34752	
hardiness	69769	101169	10644	
59543*	68837*	68838*	100228	
100319*	101175*	101180*	101181	
harvesting		85850	28855	
Germany			39048	
Great Britain			69738	
Italy			59601*	
New Hampshire			59581	
New York	44709	59546	59550	
59557	59558	79480		
harvesting date		16063	59542	
79477	10643*	19138*		
Sweden			49077	
Tasmania			49088	
Virginia			39057	
Washington			1780	
harvesting equipment		15159	34788	
43611	64444	64477	65548	
84459	85870			
Italy			33691*	
Japan			39058*	
USSR			24116*	
history			59574	
hybrids	19835*	27494a*	58290*	
Japan			47924*	
USSR		59554*	59588*	
industry		65414	107217*	
European Economic Community				
Hungary		25306*	34667*	
Illinois			25338*	
Italy			75244	
Maryland			34667*	
New England States			44564	
New Jersey	54927		55214	
Northern Ireland			65394	
research methods			107226	
statistical			55214	
South Carolina			15906	
vertical integration			65393	
Washington			65370	
injuries	37131	37776	47107	
77606	17957*	57780*	67992*	
77587*	99525*			
irradiation			85849	
irrigation	37775	70719	79960*	
Australia			20896	
Canada			18897	
New York			70717	
Ohio			80538	
USSR			70721*	
Washington			18897	
judging	65543	44699*	65547*	
keeping quality		44794	47988	
54980	55073	55178	85849	
89363	1131*	25447*	29705*	
44726*	75282*	80309*	85843*	
labor			86705	
losses		44726*	55155*	
marketing	15951	15963	44671	
55030	55036	65169	65474	
65477	65512	65526	85758	
85779	96827	107271	107283	
Australia			107273	
Denmark		44693*	65488*	
France			107282*	
Germany	44661*	69750*	96839*	
Illinois			75244	
Michigan			15948	
New Jersey		65394	75226	

				<u>Item</u>
Apples--Cont				
marketing--cont				
New York	44709	75615		85786
New Zealand				6799
Norway				75274*
reviews				34726
Virginia		34752		44674
Washington				25404
mechanization				95749
morphology	18681	37776		653*
18587*	18589*	18624*		18685*
37760*	38363*	47719*		47813*
58245*	58280*	58290*		58295*
58356*	68479*	68547*		68861*
mountain areas				48193*
nematodes		58125		68321*
nutritional deficiencies		38069		68320
89409	99659	19055*		58537*
68082*	68755*	100231*		
nutritive value				36374*
packed				44694
packing	34775	55036		75289
34792*	65605*			
Australia				85805
France		107318*		107319*
Ireland				15985
Michigan				15948
New York				44709
USSR				75282*
Washington				25452
packing equipment				55108
peel	107374	6737*		85732*
peeling				55160
pest control	14185	14196		23303
32813	32827	42681		42701
63628	83431	83430*		86276*
94360*				
Austria				94358*
biological	52954	63651		52919*
63667*				
Bulgaria	42656*	83416*		105322*
California		42693		63632
Canada	23280	23328		23336
57791	94385			
chemical	42675	52915		52972
63644	94364	32841*		32842*
42677*	52929*	63617*		
Canada		68061*		77789*
Colorado				94399
France				52927*
Lithuania				52973*
Massachusetts				63664
Netherlands		63647*		94392*
99335*				
New York				63616
Poland		83450*		105299*
Rumania				63626*
Southern Rhodesia				63609
Switzerland				63659*
Colorado		4863		14204
Connecticut		47096		47161
Czechoslovakia				83461*
France	32811*	32822*		42676*
94381*				
Great Britain		15219		42664
83411				
Illinois	77569	77765		83440
integrated	52958	94385		105297
42719*				
Italy	4838*	23291*		23344*
52914*				
Japan		32858*		32859*
Maryland	14189	32831		63618
Massachusetts				63662
Netherlands		23316*		23317*
63645*	63646*			
New Jersey				93956
New York		63628		83420
North Carolina				63663
Ohio	42385	42666		42682
83418				
Pennsylvania				77528
policies and programs				63606
Rumania				23338*
Spain				88751*
Sweden				23332*
USSR		32836*		73262*
Virginia		37073		37074

				Item
Apples--Cont				
pest control--cont				
Washington			4834	4840
4841	4852			
Wisconsin				42699
pests			14178	83397
Belgium				83417*
Canada	23312		63643	94382*
94384*	94394*			
Colorado				32847
ecology				95503*
forecasting				83461*
France	52908*		52956*	84177*
88627*	94404*			
Germany			52971*	73277*
Italy			42702*	53361*
Japan				105830
Lithuania			32866*	32867*
Mexico				94368*
Norway				14211*
Ohio			37043	42670
outbreaks				63659*
Poland				83454*
Portugal				32829*
Rumania				73265*
surveys				42698
Sweden				68082*
Switzerland				4837*
USSR			52911*	64199*
Washington				94687
Wisconsin			14192	52958
physiological diseases			910	47982
48266	48283		68730	945*
19075*	28265*		78709*	89651*
Australia			58774	38101*
control	19155		100461	58696*
58851*				
Japan				89675*
planting			69734	58889*
Australia				19843
Belgium				28848*
Denmark				28883*
Illinois				79490
Netherlands				49080*
New York				69735
Rumania				49095*
USSR				19828*
Washington				49073
policies and programs			15894*	65382*
pollen 1024	38049		48461	992*
47989*				
pollination	1268		4973	19843
38074	38075		63742	10033*
28853*	69093*		100478*	105441*
Denmark				14315
Japan			32965*	47924*
pre-harvest drop			44794	18961*
19188*	58638*			
prices	75244		85813	55120*
96868*				
processed			6855	6924
processing	34787		44790	65577
85818				
production regions			34669	107282*
products			65577	6747*
reviews				6693
propagation			19842*	101199*
by cuttings			49092*	69767*
by grafting and budding				28849
39040	58903		1772*	10084*
19845*	27295a*		27322a*	49097*
59541*	59560*		59561*	59576*
69144*	69746*		78424*	90331*
100228*	101170*			
properties	65463		44699*	58454*
75215*				
pruning	10652		43611	58560
59555	59570		59580	69734
79488	28873*		58280*	58751*
69042*	101179*			
Canada			39035	69757
China			90324*	101189*
Denmark				39071*
France				49074*
Great Britain				78366
Japan				39059*
Netherlands				19833*

\*Text of this reference is not in English.

Item				Item				Item			
Apples-- Cont				Apples-- Cont				Apples-- Cont			
pruning--cont				spraying and dusting--cont				varieties--cont			
Rumania			1773*	Missouri			88658	85868	85870	89071	101169*
Sweden	19826*	19838*	49086*	Netherlands			99335*	101176	101197	1781*	44745*
USSR	28863*	38254*	39044*	New Jersey			47175	59561*	75274*	100505*	
49098*	58770*		90321*	North Carolina			57769	Australia	16055	85805	101187
Washington		49071	49094	Ohio			42682	Austria			65458*
purchasing			44625	Pennsylvania			57750	Belgium		28238	28848*
quality	44791	47954	54980	Sweden			18961*	Bulgaria		44594*	44726*
55101	65548	65580	1131*	Washington	418	4840	4841	Canada	19834	59551	69769
28873*	75215*			spraying and dusting equipment			43659	Denmark			90322*
Canada		6931	18897	33777*				Estonia			28872*
Denmark			65488*	statistics			65655	France	1771*	15894*	16009*
France			1132*	Australia			85886	56969*			
Germany		10132*	96850*	European Economic Community				Germany	37901*	38364*	39048*
Illinois			96852				6939*	44661*	69743*	89635*	90323*
Norway			75274*	Virginia	25542	44811	44813	91183*	96850*		
Sweden			49077*	Washington			65659	East Germany			100081*
USSR			59548*	storage	16063	27805	34788	Great Britain		28885	65543
Washington			18897	38646	44786	44787	55178	69738			
refrigerated	44794	75299	85841	65623	85850	85866	85868	Hungary		25338*	78722*
85878	107376	44745*		96895	107392	107393	6838*	Idaho			59597*
ripening		34826	16025*	6850*	55155*	65605*	79021*	Illinois			79486
rootstocks	1768	1774	19187	Australia			75322	India			28877
19812	28849	37944	39049	Bulgaria			44726*	Indiana			10637
49084	49090	58903	68189	controlled atmosphere			6859	Italy		44765*	50181*
78609	78872	18258*	27865*	6932	16055	44756	44791	Japan	65451	23870*	28880*
49082*	59541*	68879*	69765*	44804	55193	65580	65581	28886*			
Arkansas			37131	65585	65587	65627	85826	Lithuania			28846*
Australia			39067	85856	85871	25490*	34816*	Massachusetts		19852	58878
Canada			59565	44759*	75304*	107370*		Michigan			15948
Colorado			19850	diseases	9934	16058	17960	Minnesota			28845
Germany	27322a*	59579*	69744*	34795	55141	55156	58878	mountain areas			28877
Illinois			79490	65590	75315	107343	107374	Netherlands		69741*	76435*
Massachusetts			29273	6811*	34789*	34790*	34791*	New Jersey			75226
Netherlands			69753*	65576*	68965*	107334*		New York	59552	66908	79482
New York		19817	69735	Australia			107392	87174			
New Zealand			59582	control			16035	Norway		69764*	90334*
Northeastern States			59544		55138	55177	64366	Pacific Northwest		1784	19853
Norway			19849*		34802*	37190*	107333*	Rumania		1773*	19845*
Rumania		19845*	79479*	Massachusetts			25517	69093*	79479*		
Sweden	10636*	19826*	69748*	Germany			39048*	South Dakota			59593
USSR	49091*	49096*	49097*	Hungary			44752*	Spain			28861*
59543*	59576*	59598*	59602*	Italy			44765*	Sweden	10636*	19826*	19830*
68837*	69752*			Michigan			55073	69748*	85843*		
Vermont			1760	Netherlands			16028*	Switzerland		10650*	59597*
Washington			1777	pest control			23361*	65547*			
seeds	18891*	26222*	58548*	structures		55108	64673	USSR	10644*	19829*	25470*
89635*				Sweden			85843*	25526*	28878*	55540*	59599*
situation and outlook	15951	54926		temperature		107393		68952*	69742*	69747*	78577*
54970	65655	85663	85703	Virginia		44767	44768	88833*	90331*	101175*	101180*
107229				storage equipment		55108	65585	101181*	101190*	101200*	108558*
Canada		65417		taxonomy			68520*	Utah			19851
Europe		25328		tests	6751	6753	54980	Washington			49089
France		85689*		65458*				Wisconsin			14192
Idaho		44548		thinning		879	904	14209			
Italy		6711		58560	79481			virus diseases	9250	37471	37482
Japan		44544*	96793*	chemical	19813	39027	39070	58058	58092	77921	27322a*
size	18868	28852	58560	49076	58582	69736	28857*	27340a*			
59551	19081*	38364*		59596*				Canada			77887*
soilless culture		78696	38068*	Australia			10654	control			99591
39952*				France			101174*	Denmark		58106	18318*
soils	50018	100180	18685*	Great Britain			79494	Germany			27322a*
78773*	79960*		58519*	New Jersey			39032	Great Britain		9206	77922
Belgium			28238	Washington			59539	Italy			27295a*
Bulgaria			102093*	Denmark			79492*	Norway			27277a*
Canada		18897	20706	Ohio			28852	Ohio		18373	37487
Hungary			80465*	trade				Republic of South Africa			18374
Japan			28082*	Australia	8193	27229	76756	Sardinia			99637*
Poland		60303	49093*	Canada	27217	27247	67338	Spain			47479*
USSR	59566*	60566*	80477*	European Economic Community				Sweden			37417*
106270*							98292*	Tasmania			99659
Washington		18897		France			56969*	transmission			37451
spoilage		65576*		Germany	8290	27229	56969*	USSR			19055*
spraying and dusting		1168	32831	96839*				Washington			475
39952	47988	63639	77492	Great Britain				waste utilization			27064a
77565	77745	83411	93956	Italy			67338	weed control			
58758*	99525*			Netherlands		6711	34667*	chemical	49514	59913	20274*
Australia			68135	Spain			98313*	Belgium			59930*
Canada	18010	18206	57814	transportation			27254*	Delaware			29205
88633	94385	100410		varieties	10655	19821	28849	Massachusetts		29272	29273
Colorado			94399	28881	37944	39026	39049	Virginia			39495
Connecticut			47161	39052	39062	39068	44694	Washington			60008
costs			59753*	44786	44787	44804	48283	Wisconsin			70184
Germany	37190*	37333*	58696*	49069	49070	49075	54970	New Zealand			70166
Great Britain			27100	59547	59552	59563	59603	Virginia			29171
Illinois			77765	65548	65623	75195	79478	yields	38365	39049	56568
Maryland			37067	79482	79494	85856	85866	28873*	69042*	100267*	
								Bulgaria			102093*
								Canada		59591	100410*

\*Text of this reference is not in English.



Item	Item	Item	Item	Item	Item
Apples--Cont					
yields--cont					
France	20612*				
Germany	59575*				
Illinois	79486				
Lithuania	28867*				
Netherlands	69753*				
New Jersey	39032				
Rumania	19845*				
Tennessee	19101				
USSR	49097*	59599*			
70721*	90321*	102039*	105441*		
SEE ALSO Crabapples					
Applesauce	6855	55171	65536		
75300	85870				
Apprenticeship	45586*				
Apricot juice	75317*				
Apricot seed oil	26029				
Apricots					
analysis and composition	34689*				
65448*	85713*				
anatomy and physiology	28210				
28263	38319	38366	38462		
1206*	19206*	28066*	58720*		
68737*	69011*	89742*			
biochemistry	28263	38522	69011*		
breeding			59583*		
contamination			75331		
culture	19847*	39065*	47082*		
47158*	49099*				
cytology			27494a*		
diseases					
Canada	8937				
conferences and congresses	47172*				
Czechoslovakia	47082*				
France	47136*				
Germany	47149*				
Hungary	47158*				
reviews	77497*				
Yugoslavia	47097				
fertilizers	1206*				
fungus diseases	9151				
Australia	88788				
California	27125a				
control	27128a				
Czechoslovakia	99433				
Switzerland	47304*				
germination	8996*				
hardiness	58861*	59583*	89646*		
harvesting equipment	299		89566*		
hybrids	19818*	27494a*	299		
industry	15889				
injuries	99187*				
Lithuania	28882*	39069*			
losses	299				
morphology	629*	58245*	58321*		
pest control			83403*		
pests	47082*	47158*	83400*		
83404*	94403*				
prices			96869*		
propagation	19816*		69739*		
pruning	99433	101192			
quality			34689*		
rootstocks	59556	19816*	69739*		
69749*	101191*				
seeds		28066*	89646*		
spoilage			75331		
spraying and dusting	68054		88637		
statistics	65660	107421			
storage			75331		
thinning			10651		
varieties	28868*		65448*		
virus diseases	99579		68279*		
yields			59578*		
Aprix n g			23812		
Aprominta			105967*		
Aprostocetus lamiicidus			33320		
Apterogyna			33317*		
Apterogynidae	5475*	33317*	95320*		
Apterygota	23952*	43377*	53589*		
84208*	95653*				
Apteryoperla			95633		
Aptesia			64168		
Apthona SEE Aphthona					
Apyrase			48625		
Aquargen			93868*		
Aquatic fauna					
ecology			94294		
Aquatic fauna--Cont					
poisoning	13926	52693	94015		
94086	94204				
Aquatic insects			77461		
Africa			5181*		
anatomy and physiology			53372		
63407	63490	63694	83177		
84219	101508	5058*			
Argentina			95658		
as feed	5052	105527	95003*		
biology			64108*		
breeding places			83732		
Canada			94950*		
collecting			5047		
control			14003		
Corsica			95143*		
Czechoslovakia			105501*		
Danube River			105510*		
dissemination			83964		
ecology	33005	53137	53577		
78038	42991*	53164*	64108*		
Denmark			94668		
France			33017*		
Great Britain			23954		
Kentucky			73490		
North America			95664		
USSR	42877*	42887--	42889*		
73504*					
Estonia			42982*		
Ethiopian Region			94820*		
France			23505*		
Germany			73489*		
Great Britain	43068	83780	83815		
Hiddensee			5043*		
immature stages			23584*		
India			95193		
Japan			53283		
Kentucky			73490		
Korea			53400		
Lake Baikal			36646		
larvae			83933*		
locomotion			63949*		
migration			14759		
Minnesota			94665		
Mississippi River			63384		
mountain areas			5181*		
Moselle River			73489*		
parasites			23505*		
Poland			53143*		
populations			94132		
Rumania			42989*		
surveys			94650*		
Switzerland			98817*		
Timor			14738		
United Arab Republic			23751		
Virginia			67797		
water relations			73493		
14767					
Aquatic mites SEE Hydrachnellae					
Aquatic plants			46717		
Adriatic Sea			98838*		
anatomy and physiology			19013		
27982	68959	1169*	10126*		
11046*	100098*				
bibliographies			36741		
biochemistry			1417*	100651*	
biochemistry			46905		
contamination			37926		
control	29332	29355	29383		
39479					
Corsica			95143*		
culture			59722*		
ecology	9301	73490	78038		
Bulgaria			99751*		
Caribbean area			18478		
Florida			9308		
Germany			58172*		
Hungary			37575*		
India			573		
Italy			78039*		
Japan			9338*		
Lake Kariba			18420		
Lithuania			37541*		
Netherlands			18432*		
68372*	89052*	27417a			
Oregon			78036		
Poland			77995*		
Rumania			47669*		
USSR	27406a*	42877*	68357*		
68395*	73504*	78012*	78033*		
Aquatic plants--Cont					
feed			42066*	103097*	
France				17625	
Germany			17666*	67777*	
Great Britain				17625	
Hungary			90462*	98800*	
India				9321	
Kentucky				73490	
morphology				27570a	
North Carolina				23504	
Norway				98948*	
Pacific Northwest				46809	
Pakistan				26824a	
periodicals				67682	
Scotland				36736	
Switzerland				98817*	
taxonomy				67777*	
USSR				42888*	
77250*	37*	36646*			
varieties			59751*	69896*	
Virginia				67797	
SEE ALSO names of aquatic plants; and					
SUBHEAD aquatic UNDER Fungi; Weeds					
Aqueous humor				82161	
Aquilegia			1444	18659	
Aquilegia hybrida				100727	
Aquilegia pyrenaica				36929	
Aquilegia vulgaris				78135*	
Arabidopsis				47887	
Arabidopsis thaliana					
anatomy and physiology				933*	
48298*					
genetics	827	864		9600*	
68645*					
research methods					
statistical				27688	
morphology				58254*	
pollen				37641*	
D-Arabinitol			38555	89795*	
Arabinoxylans			21646	21652	
reviews				21639	
Arabinoglucoglycan				34698	
L-Arabinose				74582	
Arabinoxylans				16102	
Arabis				18394	
D-Arabitol SEE D-Arabinitol					
D-Araboascorbic acid				75317*	
Arabs in Israel				108800*	
Araceae	632*	46829*		67847*	
Arachin				28396	
Arachis			8678*	57583*	
Arachis hypogaea SEE Peanuts					
Arachnanthe				10853	
Arachnids					
Alps				73497*	
as pests				4907*	
Australia				94685	
Australian Region				94770*	
bibliographies				83812	
Central America				42929*	
biochemistry				105547	
ecology				73497*	
Ellesmere Island				14387	
geographic distribution				42929*	
Germany					
East Germany				42907*	
New York				5101	
nomenclature			14419	14472	
North Dakota				94800	
Oriental Region				94770*	
parasites				83783*	
surveys				14217*	
types				94673*	
Arachnis SEE Arachnanthe					
Arachnocampa luminosa				23689	
Arachnoidea				94803*	
Arachnophora n g				8836*	
Arachnophora fagicola				8836*	
Aradidae					
China				105827*	
collections				105835	
Great Britain				33260	
Malagasy Republic				95194	
Neotropical Region			64106	95209	
taxonomy				5402	
Aradus betulae				5409	
Aradus cinnamomeus			73327*	94454*	
Aradus depressus				33260	

\*Text of this reference is not in English.

Item			Item			Item		
Aradus frigidus		105839*	Arctiidae--Cont			Arge		43220*
Araecerus fasciculatus	32887*	52937*	color		95486	Argemone mexicana	11078	58971
Araeocorynus cumingi		94988	control		83181	68485	89136	
Araeopidae SEE Delphacidae			food and host plants		14881	Argentine ant SEE Iridomyrmex humilis		43337
Aralia		19979*	genetics		95495	Argia apicalis		53460*
Aralia nudicaulis		68396	habits and behavior		53494	Argidae	14827*	43220*
Aramite	32701	52851	Himalayas		95520	Argina cribaria		84183
Araneae SEE Spiders			immature stages		64175*	Arginine	38560	68725
Araneida SEE Spiders			Louisiana		53494	in dog physiology		13285
Araneina SEE Spiders			mimicry		23896	in forage plants		89869
Arasan SEE Thiram			nutrition		84159*	in Morus		58715
Araschnia levana	95497*	106001*	parasites	95059	95056*	in Neurospora		19289
Araucaria		88315*	rearing and breeding		84129	in plants	1425	100203
Araucaria angustifolia	81594	51336*	sonification		14853	in poultry nutrition	22489	41915
60984*			taxonomy		95486	41926		
Araucaria excelsa		101356	Arctium lappa		23700	in poultry physiology	4233	52246
Araucariaceae		8716	Arctotheca		5400*	Argiopidae SEE Argyropidae		
Araucomyrmex tener		5484	Arctosa cinerea		33066	Argocoffea lemblini		17727*
Arbela		105826*	Arctoseius		53197	Argolia		73732*
Arbela (Lepidoptera) SEE Indarbela			Arctostaphylos	77350	101293	Argon		62020
Arbolit SEE Particle board			Arctostaphylos densiflora	1900	10878	Argopus ahrensi		83904*
Arbor Day	2857	2714*	Arctostaphylos uva-ursi	36779*	70200*	Argynnis		95480
2718*	2719*	2834*	Arctostaphylos uva-ursi	95634	14944*	Argynnis aglaia		14876
Arboretums		36671	Arcynopteryx compacta		46790*	Argynnis paphia		105965*
California		77193	Ardisia		88343	Argyropidae	14478	94692
Czechoslovakia		1858*	Area of production SEE Acreage and area;			Argyra		105725
District of Columbia		101295	and SUBHEAD production regions UNDER			Argyresthia		64188
Florida		61135	names of agricultural products		63641	Argyresthia conjugella	14211*	52911*
Great Britain	36683	46890	Areca			Argyresthia cornella		14211
Hungary		77261*	Areca catechu SEE Areca cathecu			Argyresthia laevigatella		95370
Ireland		26757*	Areca cathecu		68440	Argyresthia loricella		94483
Massachusetts	8547	88213	abnormalities		107412	Argyresthia pilatella		73815
Minnesota		67729	acreage and area		9672	Argyresthia thuniella		53029
Poland		88115*	anatomy and physiology		9673	Argyrolobium linnaeanum		37683*
Saare		88178*	culture		27825	Argyrophylax		23652
Sweden		17542*	diseases		11150	Argyrophylax proclinata		23652
United Arab Republic		46777	fertilizers		8918	Argyroplote leucotreta		23180*
Yugoslavia	57415*	77164*	fungus diseases		27074a	Argyroplote schistaceana		73226
Arbutin	9183	10203	morphology	58306	99995	Argyrotaenia velutinana		63394
38608*			Nicobar Islands		11153	anatomy and physiology		63394
Arbutus menziesii	59020	61580	pest control		63642	control	42701	52915
Arceuthobium	33060	36831	pests	14198	33108	diapause	14869	73807
102780			pollination		27825	insecticide resistance	13948	32826
Arceuthobium americanum		21219	soils		101660	rearing and breeding		64224
49447			virus diseases		99632	Argythamnia		77353
Arceuthobium campylopodum		59984	Areca nuts		55114	Argythamnia guatemalensis		77353
Arceuthobium douglasii		49447	analysis and composition		16510	Argythamnia tinctoria		77353
Arceuthobium pusillum		61054	45386			Arhar SEE Pigeonpeas		
Arceuthobium vaginatum		79807	cooperatives		35402	Arhopalus asperatus		73334
Arceuthomyia		43074*	drying		35397	Aribine		89829*
Archaea	49231*	73530*	India	55990	66300	Aricia agestis		95451
Archaeology	26763a	28491	industry		26369	Aricia agestis artaxerxes		95451
Archaeophlebia victoriae		95655	moisture	55010	55998	Arid regions SEE Deserts; and SUBHEAD		
Archana algae		105924*	packing		56001	desert areas UNDER specific subjects		
Archangelica SEE Angelica			statistics		107412	Aridoespera n g		23621
Archegoniatae		672	storage	16514	56001	Ariocarpus		36763
Archenomus		43188	waste utilization		12347	Arisaema japonicum		36920*
Archeochaete n g		36955	Arecoline		92762*	Arisaema robustum		67856
Archeophylla n g		36955	Arecoline hydrobromide	82374	103979	Aristida funiculata		88834
Archiborborus		33188	Arenaria	36870	18531*	Aristolochia bracteata seed oil		55649
Archiboreoiulus pallidus		52832*	Arenaria fasciculata		36868	Aristolochia embergeri		77376*
53196*	83342*		Arenaria verna		88316	Aristolochia		57535
Archicarabus nemoralis		23588*	Arenarin		58039*	Arixenia		43380
Archicarabus nemoralis colasi		94823*	Arenivaga		84185*	Arizona cypress SEE Cupressus		
Archidium alternifolium		67904*	Arequipa		77394*	arizonica		
Archiearis notha	5488	14897	Aretit	49498*	59942*	Armadillidium nasatum		67958
Archilejeunea		88434	Argas	5087	5107	Armadillidium vulgare	67958	73516
Archimycetes			Argas arboreus		33057	73548	83806	
reviews		47253*	Argas (Argas)		33057	Armatillus		105828*
Archinemapogon		84182*	Argas (Carios)		14447	Armeria pocutica		8736
Archips argyrosipilus		64206	Argas lagenoplastis		5087	Armigeres subalbatus		105788
Archips cerasivoranus		23916	Argas (Persicargas) n sgen		33057	Armillaria edodes		10213*
Archips cerasivoranus rileyanus SEE			Argas persicus	53217	94771	Armillaria matsutake	29543	27149a*
Archips cerasivoranus			4686*	94209*		68654*		
Archips crataegana		105358	Argas (Secretargas)		5107	Armillaria mellea	27191a	37301
Archips fervidanus		23916	Argas transgaripepinus		5107	77741	9129*	27236a*
Archips murinanus SEE Choristoneura			Argas vespertilionis		5111	57931*	99380*	
murinana			Argasidae			anatomy and physiology		19234
Archips podana		83411	Africa		94238*	control		77671*
Archips pronubanus SEE Cacoecimorpha			anatomy and physiology		5107	fruit		27236a*
pronubana			Arizona		5094	Iceland		57717*
Archips rosanus		43286*	Australia	5087	14447	Armillaria tabescens SEE Clitocybe		
Archontophoenix cunninghamiana		69931	biology		105097*	tabescens		
Archostemata		105669	ecology		94718	Armillariella elegans		26939a*
Arctagrostis latifolia		18398	nematodes		94716*	Armoracia lapathifolia		
Arctiidae			New Guinea		14447	anatomy and physiology		78511*
Africa		105988	taxonomy		94695	biochemistry	19344	48648
anatomy and physiology		5529	United Arab Republic		33057	89796	100629*	
			Utah		5094			

\*Text of this reference is not in English.



	Item		Item		Item
Armoracia lapathifolia--Cont		Artemisia tenuisecta oil	16288*	Arthropods--Cont	
virus diseases	47482	Artemisia tridentata	2018	digestion	
Army cutworm SEE Chorisagrotis		58351 100471	11395	reviews	83724
auxiliaris		Artemisia vachanica	28375*	ecology	32998 94157 63815*
Armyworm SEE Pseudaletia unipuncta		Artemisia vulgaris		France	63810*
Arnaudovia n g	99132*	anatomy and physiology	89664	Germany	14412*
Arnaudovia hyponeustonica	99132*	biochemistry	48619*	Great Britain	83799
Arnica	27458a*	control	29159 29317 29320	enzymes	
Arnica montana	98985*	70086*		reviews	83724
Arnswardt method	60937*	Artemisia vulgaris oil	66041*	evolution	42933 94623 105525
Aroga websteri	29213 105176	Artemita	83957	53141*	
Aromatic acids	69223	Arterenol	10445*	France	63810*
Aromatic compounds	27272a 31967*	l-Arterenol	31898	fungi	77477*
Aromatic plants	90753	Arteries	81816*	geographic distribution	105526
acreage and area	45382*	buffaloes	3643	habits and behavior	63816 94623
Argentina	49567* 100601*	cats	3874* 3912*	23563*	
biochemistry	100601*	cattle	4360 4361 12933	reviews	14390
culture	11132 90768*	103637 103869 104626	31292*	Heron Island	14356
fungus diseases	9037 99113	31420*		insecticide resistance	42378
Italy	60049*	dogs	3809 72388 3874*	83163	
statistics	54350*	13310* 72396*	82395*	Kure Island	5034
USSR	70203* 79874*	92737*	92731*	Louisiana	94294
SEE ALSO names of aromatic plants		goats	4399*	mechanoreception	
Aromaticin	19398	hamsters	41869*	reviews	23509*
Aromia moschata cruenta	53236*	poultry	104465 22591*	microorganisms	42856
Arorplectrus n g	53441	rabbits	42170	New Zealand	53144
Arpedium	94904*	sheep	4360 4361 42170	Oklahoma	42898
Arracacia xanthorrhiza	79723*	104626 4359*	13714*	Pacific area	42498
Arrenuridae	105581	turkeys	4121	phylogeny	42942
Arrenurus	105581	Arteriosclerosis	72668 104133	Poland	83256*
Arrenurus octagonus	42940*	104842 41302*	41330*	populations	32998 83329
Arrenurus papillator	5066*	SEE ALSO Atherosclerosis		preservation	23526*
Arrhenatherum elatius	69048*	Artesian wells	96075*	prey	105535*
Arrhopalites	106154*	Arthenesis	105865*	protective devices	33098 83746
Arrhopalites spadica	14985	Arthodeis	105625*	94919 23523*	
Arsanilic acid	52269 54200	Arthritis	71776	public health aspects	42505
Arsenamide	31551 92686	cattle	51844 103620*	sonification	63816 63818
Arsenates	1358 63422	dogs	3887*	Southwestern States	53129
99245*		horses	62631*	sterilization	
Arsenic		man	42475	reviews	105539
cattle pest control	42509 83238	poultry	104433*	stings	14059
effects on animals	22666 32251	rabbits	93557*	Sudan	32993
52146		sheep	104713	surveys	94342*
effects on algae	89702*	63160*		taxonomy	42933 73468
effects on Boophilus annulatus	83247	swine	32443 32456 42291	temperature	
effects on plants	8932	52627 63250 83062	104890	reviews	83742
in apples	75261*	4595* 22983*		venom	42498
in feed	31706*	treatment	4994	water relations	73493 106111
in food	74331*	Arthrobacter	70399*	Arthropogon	27630a
in meat	71735*	Arthrobotrys	88933	Arthrospira	77457
in potatoes	75262	Arthrobotryum coonoorensense	37022	Arthrostylidium	88345
in wood preservation	91689	Arthronopopus n g	83784	Artichokes	
tick control	83288	Arthropleona	64288*	anatomy and physiology	89636*
toxicity	31730 62340	Arthropods	98838*	cooling	25495
	3267*	Adriatic Sea	14360	culture	79659*
Arsenic acid		anatomy and physiology	5044*	feed	91814*
Arsenic compounds		32625 63816 63817		fertilizers	79659*
effects on animals	13440 23158	23519* 63808*	73519*	fungus diseases	99418*
3861*		reviews	83731 83738	industry	25285 96771*
in feed	41934 71735*	and disease	23173 32669	injuries	37125*
properties	26982a*	32732 42502 42505	52782	quality	25495
weevil control	105292	52802 61779 73139	83249	situation and outlook	85668*
Arsenites	63422 80047	94147 94176 4685*		trade	
Arsine oxide	99264	conferences and congresses		France	85668*
Art SEE SUBHEAD in art UNDER specific				Artificial insemination	3029 13428
subjects				30760* 30764*	51379*
Artemisia		Europe	14067 23120	Africa	
Afghanistan	46852*	Pacific area	94157	Apis mellifera	8317* 103178*
anatomy and physiology	47965*	reviews	94064	83610* 83625*	23402*
48388* 58890* 89369*		Southeast Asia	94157	asses	
Canada	58351	Uganda	14070	Belgium	3034* 103083*
control	11059 29213	West Indies	63459	Canada	61601 103076
cytology	89064*	and viruses	4733 23126	cattle	22025 22032
ecology	555 11395	as pests	63418 63472	41466 51634 61948 61982	
pests	105176	103290	83746	61983 61999 62042 62049	
Artemisia absinthium	70159 58515*	biochemistry	23523*	71893 71896 71975 72336	
Artemisia arbuscula	9330 11395	reviews	83738	81957 81990 103450 103484	
Artemisia austriaca	19404*	biology	42349	103507 103766 3377* 3385*	
Artemisia balchanorum	29412*	bites	14059	3387* 3391* 3417* 12991*	
Artemisia californica	28078	Chad	5035	13013* 31424* 41419* 51689*	
Artemisia cana	100930	conferences and congresses	14405*	62059* 71935* 81965* 92198*	
Artemisia leucodes	19404*	control	14042*	92267* 92559* 92601* 103473*	
Artemisia mexicana	1413	chemical	42378 52762	103485* 103818*	
Artemisia monosperma	78574 78576	Hungary	32652*	Argentina	103436*
Artemisia nachtshevanica	8657*	Louisiana	52869	Arizona	51957
Artemisia oil	7264*	Poland	42466	associations	61981* 71968*
Artemisia porrecta oil	16285*	reviews	26990a*	92236*	
Artemisia scoparia	90769*	development	23519*		

\*Text of this reference is not in English.

	Item				Item				Item		
Artificial insemination--Cont				Artificial insemination--Cont				Ascites--Cont			
cattle--cont				turkeys	62688	82524	82527	dogs	92720	41753*	52050*
Australia	21972	22023	51665	93011	93040			104048*			
61949	71945			USSR		12473*	91984*	poultry			72665
Belgium			62010*	Artionema digitata			14028	Asclepiadaceae	121	711	20001
Brazil			31081*	Artionema indica			82804	64240	88279		9382
conferences and congresses			62039	Artionema labiato-papillosa			82804	Asclepias curassavica			49526
Czechoslovakia			71958*	Artocarpus			18649	Asclepias fascicularis			49532
Denmark	21963*	21999*	51637*	Artocarpus heterophyllus	85720		69720	Asclepias speciosa			77425
Finland			51668*	Artocarpus integrifolius SEE Artocarpus				Asclepias tuberosa			48500
Germany	3359*	3398*	41434*	heterophyllus				Ascobolus immersus			9421
61994*	61995*	92216*	92230*	Arum italicum		69182*		Ascobolus stercorarius	9384		10843
East Germany			41421*	Arum maculatum	10204	78227		Ascocentrum ampullaceum			26956a*
Great Britain	3418	51637*		Arundinaria flabellata		57607		Ascochyta	88514	99113	
92149*				Arundo donax	34553	78977	65335*	27260a*			
Hungary		62004*	92250*	71609*	89379*	101632*		broadbeans			68156*
India	71948	81930	92168	Arundognatha n g		94803*		peas	88784		88700*
Indiana			72178	Arvechambus n g		94689		sweet clover			8989
Israel			31075*	Aryl hydroxylation		10135		Ascochyta chrysanthemi	57972*		57979*
Italy	3413*	31106*	61951*	5-Aryl-pyrimidines		12967*		Ascochyta fabae			18189
71895*	103775*			Arylhydrazine oxidase		19313		Ascochyta imperfecta	8983		18202
Japan			31113*	Arylmercaptoacetic acid		102290		Ascochyta oryzae			27162a
Latvia			21997*	Aryloxyacetohydroxamic acids		88707*		Ascochyta pisi			68104*
Minnesota			3381*	Asafetida	651	28339		Ascoidea africana			99064
Netherlands		41196*	41412*	Asaphes vulgaris		64158		Ascoidea asiatica			99064
92143*	92225*			Asarum		102*		Ascoli			5449
New Zealand		12836	103501	Asarum europaeum		69075*		Ascomycetes	421		12305*
Norway	62033*	62040*	62057*	Asbestos cement		102139		anatomy and physiology			100158*
103457*	103512*			Asca		63873		biochemistry			10182*
Poland	31090*	51684*	71913*	Ascalapha odorata		43289*		Europe			99106*
71938*	71983*	92190*	92403*	Ascalaphidae		53553*		Georgia	200		37238
Rumania			22001*	Ascariasis				Himalayas			46999*
Sardinia			31103*	cats		92751	92946*	India	26973a	67977	99069
Sweden	3397	12783*	22009*	dogs	13253	31575	92695	Japan			8880
41406*	71971*			92751				reviews			47253*
USSR		31139*	71980*	Japan			41784*	taxonomy	99075	26976a*	91683*
Yugoslavia			62012*	resistance			13254	Ascophyllum nodosum		19350	48292
conferences and congresses	51383*		51375*	treatment		72402	41782*	89850	89863	37648*	38287*
costs			41197*	foxes			62569*	Ascopus n g			105828*
dogs		62472	52005*	guinea pigs		41875	104166*	Ascorbic acid			24867*
Europe			30760*	mice			92946*	determination		24395*	64764*
Germany				pigeons			62931	64766*			
East Germany			91794*	poultry	41959*	104320*	13524*	effects on bacteria			31711*
goats	4328	13636	32200*	Brazil				effects on collagen			45011
41196*				control	13569*	22662*	62900*	effects on jute			69035
history			3036*	104442*				effects on Neurospora crassa			27834
horses	3947*	13354*	22392*	eradication			82641*	effects on plants			48240*
31663*	41821*			immunization			104458	effects on yeasts			78511*
Italy	12469*	30750*	41189*	prevention			72599*	in Armoracia lapathifolia			89850
Japan			30749*	Rumania			62874*	in Ascophyllum nodosum			69307
Pakistan			30757	treatment		13567	31915*	in barley			27358
Poland		12464*	91794*	32007*	42007*	62881*	93379*	in beans	9757		51551
poultry		4052	13428	rabbits			62998	in blood			58603
22490	72669	82544	92996*	sheep			104688*	in carrots			55196
Great Britain			13429	swine			52639	in citrus			87805*
Japan			62678*	73006	42319	52570	83065*	in citrus juice	27351		69008*
Republic of South Africa			22481	control	32478*	72987*	83056*	in corn			27343a
reviews			92982	diagnosis			93815*	in cowpeas			27343a
Rumania			62708*	immunization			32537	in currants	79508*		98403*
quail			72560	resistance		104841	104856	in flax			27083a
rabbits			82708	transmission			22977	in flour		98388*	98410*
Rumania	61599*	61738*	91787*	treatment		93821*	93874*	in food			84793
sheep	13636	63013	22761*	transmission			94231*	34014*	64766*	64898*	64908*
32182*	72745*	93597*		turkeys			52279*	87808*	98413*		
Australia			72736	Ascaridia			13563*	conferences and congresses			76873*
Great Britain			72767	Ascaridia columbae			62931	in fruit	27339a	27352a	57152
Israel			4330	Ascaridia dissimilis			52279*	25375*	76874*	85724*	108965*
Sweden			63025*	Ascaridia galli	32011	104458	104464	in fruit juices		44798	65546
turkey			104579*	22662*	31915*	41959*	62900*	in Fucus serratus			89850
Uruguay			104565*	104442*				in Fucus vesiculosus			89850
Sweden			71598*	Ascaris lumbricoides	22977	41357		in Gladiolus			38535*
swine		82888	82893	104841	92946*			in guavas			34783
93741	104753	4468*	4469*	Ascaris lumbricoides suum		30982		in human nutrition			8323
22895*	32332*	42235*	104759*	32537	52570	62998	83072	in lettuce			58603
104764*				103265	104856	12719*	83065*	in Malpighia			25358
France			42233*	93815*				in meat			35103
Germany				Ascaris suum SEE Ascaris lumbricoides				in milk fat			85306
East Germany		4461*	4470*	suum				in muskmelons			57140*
93724*				Ascarops strongylina		105141*		in onions			57141*
Great Britain			52502	Ascetoderes n g		23616		in oranges	57143		75213*
Netherlands		41196*	93731*	Ascia monuste		23192*	94303*	in peas			69008*
Poland			93726*	Ascites				in Pinus sylvestris	28348*		78982*
reviews			63180*	camels		3279		in plants	69168	69257	78918
Sweden			32336*	cats		13283		48521*	54098*	100562*	
USSR		13761*	82881*	cattle		31370*		in potatoes	57129	78817	108952
terminology			21735*					25351*	27877*	57150*	76880*

\*Text of this reference is not in English.



Item				Item				Item			
Ascorbic acid--Cont				Asparagus--Cont				Aspergillus niger--Cont			
in poultry nutrition			13493	culture--cont				anatomy and physiology			729
in poultry physiology	62798		62883*	Mexico		69969*		755	38311	68926	1160*
in radishes			1111	Netherlands		59804*		18815*	28100*	48307*	58508*
in rat physiology		104197*		Spain		101399*		68477*	68682*	68755*	68790*
in red peppers			98398*	Virginia		59877		78614*	78828*	89503*	89637*
in rose hips			98411*	disease resistance		99406		biochemistry			1363
in sauerkraut			76891*	diseases	26995a*	27019a*		1372	1388	1436	4301
in semen			3358	fungus diseases				19303	19411	28357	38514
in sheep physiology		104732*		Belgium	37196*	57940*	77733*	48591	48632	58508	59013
in spinach			67448*	control		9068*	27130a*	75141	6182*	59022*	78614*
in squash			44770	Japan			77821*	89917*			
in strawberries	39993*		65634*	Poland			93348*	control			68171
in sweetpotatoes			89448	grading and standardization			55100	culture		55886	60211*
in swine nutrition			4525*	harvesting			49345	cytology			755
in tomato juice			98399*	harvesting equipment	33713		95708*	genetics		869*	9582*
in tomatoes			38332*	irrigation			18943*	morphology			68477*
in vegetables		27352	44774	labor			56174*	Aspergillus oryzae		75681	24738*
25375*	25450*	57131*	75186*	mechanization			95708*	anatomy and physiology			48250
76869*	76874*	85724*	85746*	pest control	26995a*	32777*	63567*	48275	100329	100340	
108965*					105184*			biochemistry		1447	10220
in watermelons			57140*	planting		10904*	101402*	10268*	89828*	89942*	
in wine manufacture	44185*		74640*	pollen			38416	Aspergillus phoenicis			406*
85163*	108950*			quality		55134	18943*	Aspergillus repens			6966
in winter squash			57139*	soils			18943*	Aspergillus restrictus			6966
reviews			12600	varieties		29077*	59800*	Aspergillus rugulosus		26320	47845
therapeutic use			31711*	virus diseases			27306a*	Aspergillus terreus		10169	26320
L-Ascorbic acid SEE Ascorbic acid				weed control		90667	20220*		89229		
Ascorbic acid oxidase	19291		69267					Aspergillus umbrosus			68720
100562*				yields			101402*	Aspergillus ustus			106031*
Ascorigen	10165		78918	Aspartate SEE alpha-Ketoglutaric				Aspermy			
Ascoschoenogastia annulata SEE				transaminase				tomatoes			18304
Schoutedenichia annulata			691	Aspartic acid	14550	1370*	63333*	Asperugo procumbens			20322
Ascoseira			27588a*	104273*				Asperula			37676*
Ascoseira mirabilis			83476	Aspen SEE Populus				Asperula odorata			39629*
Ascotis reciprocaria	32863			Asperellus n g			23812	Asperuloside			38608*
Ascotis selenaria reciprocaria SEE				Aspergillois				Asphalt	5896	59978	83596
Ascotis reciprocaria				cattle			3637	45276*			
Asecodes		53433		geese			104323*	mulch		20792*	60559*
Asecodes mento		4648		poultry	62897	31918*	42061*	Asphodeline			57581
Asellidae		23570		62896*	82665*	93386*		Asphodelus			57581
Asellus cannulus		23570		India			72649	Asphodelus fistulosus			17741*
Asellus holsingeri		23570		resistance			62837*	Asphondylia ilicicola			43072
Aseroe arachnoidea		8839*		treatment			93275	Aspicera			84111
Ash (minerals) SEE Minerals				swine			93889*	Aspidaphium			84055
Ash (tree) SEE Fraxinus				turkeys		4161	93212	Aspidiaceae			37735
Ashes	50850	101666	101675	3084*	Aspergillus	11316	26031	Aspidiomorpha adhaerens			105685
106817*				73366*	93889*		37010	Aspidiotus (Diaspidiotus)			14730
Asiatic locust SEE Locusta migratoria				anatomy and physiology			9640	53411			
Asiatic rice borer SEE Chilo suppress-				biochemistry		19422	75141	Aspidiotus (Diaspidiotus) liquidambaris			42749
salis				culture			34176*	Aspidiotus gigas			95213
Asilidae				cytology			47871	Aspidiotus hederæ			52967*
Afghanistan			33180	genetics			47871	Aspidiotus ostreaformis	23776		23777
Africa			14655	in food processing			64941*	Aspidiotus patavinus			14730
Albania			83972*	in soils			67940	Aspidiotus perniciosus			42707*
as predators			53312*	taxonomy			57725*	anatomy and physiology			23361*
ecology	94493*	95061*	95100*	Aspergillus amstelodami			46706	control			73264*
eggs			5286	58940*				biological			23342
Greece			14630*	Aspergillus aureofaciens			48108*	California			23342
habits and behavior			73647	Aspergillus awamori			37494	chemical	42675	105296	42707*
Jamaica			23656	Aspergillus cervinus			67941	integrated			4858*
taxonomy			43075*	Aspergillus flaschentraegeri			88549	Pacific Northwest			52955
USSR			5310*	Aspergillus flavus		2237	3116	reviews			23103*
Wyoming			73647	21871	26005	31016	45122	USSR		42685*	94370*
Asolcus	64163*	105895*		47301	54244	65323	68169	Washington			4834
Asolcus reticulatus		64143*		75681	93186*			Europe			83568
Asolcus simoni		64143*		anatomy and physiology			48275	food and host plants	32873		73068*
Aspalathus	93	57555	67819	68801				India			32854
Asparagic acid SEE Aspartic acid				biochemistry			10170	life history			105296
Asparagine	52408	1032*	68841*	enzymes			10170	Mediterranean area			83568
Asparagopsis armata			88980*	Aspergillus foetidus			46980	parasites			32873
Asparagus				Aspergillus fumigatus		725	80110	Portugal			73068*
anatomy and physiology			58848	81711	93212	62837*		Republic of South Africa			4675
18943*	58825*			Aspergillus giganteus			88555	Southern Rhodesia			73252
breeding			49311	Aspergillus kanagawaensis			67940	Aspidiotus slavonicus			105375*
care and handling			55134	Aspergillus nidulans				Aspidiotus viticola			53461
costs and returns		87168	45885*	anatomy and physiology			762	Aspidispa			73572
culture	2005	29128	39378*	18784	89311			Aspidistra			38440
Australia			101424	biochemistry			28358	Aspidistra elatior			47746*
California			10972	cultures			19027	Aspidium aculeatum SEE Polystichum			
Denmark			20161*	genetics	10049	10057	10058	aculeatum			
Finland			69991*	morphology			9422	Aspidomorpha SEE Aspidimorpha			
France			59864*	Aspergillus niger			47277	Aspidosperma	89895	26976a*	99046*
Germany				75831	11205*	24656*	24686*	99875*			
East Germany		101402*		39796*	39797*	39810*	49704*	Aspidosperma discolor			19299
Great Britain		59907		92808*				Aspidosperma limae			28366*
Italy		20182*									

\*Text of this reference is not in English.



	Item		Item		Item
Aspidosperma obscurinervium	78923	Astragalus sinicus--Cont	37177	Atropine	52046 78980 69164*
Aspidosperma peroba	48551	fungus diseases	38860*	69165*	
Aspirators	105807	hybrids	90123*	Atropine esterase	89851*
Aspirin SEE Acetylsalicylic acid		seeds	28266*	Atta	33341 64157*
Asplenium	98993*	Astragalus tener	26839a	Atta sexdens rubropilosa	32577*
biochemistry	10259	Astridia	100442	63562* 93984*	
Brazil	77431*	Astrobotany	21*	Atta texana	43326
California	57670	Astroloma	47812	Attacidae SEE Saturniidae	
cytology	99944	Astrophytum	36871	Attacus atlas	14891
Europe	57671*	Asuntol SEE Bayer 21/199		Attacus cynthia ricini SEE Samia cynthia ricini	
Asplenium rupestris	18465*	Asymmetrin	38496	Attacus ricini SEE Samia cynthia ricini	
Asplenium ruta-muraria	28245*	ATA SEE Amitrol		Attagenus	53005*
Aspongopus janus SEE Coridius janus		Atactocoris n g	95209*	Attalea exigua	20272*
Aspor	18114*	Ataenius	43122*	Attaphila fungicola	43326
Assay	1122 2024 2027 6563	Atalantinae	33135	Attelabidae SEE Curculionidae	
9950 18234 27346a 27351a		Atarba	43363*	Atterberg method	2133*
29827 34019 34865 42392		Atelurinae	53422 105903	Attitudes	17048 67263 76677
42438 48284 64038 68926		Athalia proxima	23256	87481 98021 98138 8189*	
in animal research	41876 82157	Atherigona destructor		108675*	
82198 104187 104245		Atherosclerosis SEE Arteriosclerosis		Alabama	26537
in dairy research	6370 65097*	Atheta	105672*	Colombia	67181*
in entomological research	4730	Atheta alpina	73551	France	46196* 98249*
32736 64229 95446 104970		Athripsodes	53573 106130	Germany	8185* 26533*
83215*		Athripsodina n g	106130	East Germany	76618*
in feed research	41235	Athyrium hohenackerianum	27554a	history	87462
in fungicide research	99469	Atillum	23781*	Iowa	67108
in insecticide research	13973	Atillum stygium	64141*	Italy	35494*
14115 23249 32654 32813		Atmometers	39660 105518	Japan	108809*
52759 52762 63371 83211		Atmospheric pressure	100115 94652*	Michigan	8051
88140 93989 94123 54511*		Atmospherics	64273*	Minnesota	21414 27068
54982* 86276* 105076*		Atolmis rubricollis	95456*	Missouri	97372
in plant research	9091 48825	Atomaria linearis	94267*	Nebraska	27120 35470
89759		Atomic energy		New Jersey	17131
in virus research	21808 22656	and agriculture	46528 67503	New Zealand	108806
Asses		76909 98442 98443 98446		Southern States	87606 102840
abnormalities	92883* 92887*	98687 27381* 87873*		Turkey	17130
92915*		Atopsyche	95612	SEE ALSO UNDER Children; Consum-	
breeds	62589* 62590* 104083*	ATP SEE Adenosine triphosphates		ers; Extension workers; Indians; La-	
carcasses	92915*	Attractides	94793*	bor; Women; Youth	
habits and behavior	52109*	Atractomorphini	43321	Attractants SEE Baits and traps; Sex at-	
pests	94102*	Atractotomus	14735	tractants	
pregnancy	41853	Atraphaxis avenia	57539*	Atypha pulmonaris	95490*
sanitation	92877*	Atrasana	84149*	Atypus affinis	94743*
SEE ALSO names of anatomical parts,		Atratone	90695*	Auchenorrhyncha	5412 64088
body fluids, diseases and other		Atrax infensus	105563	Aucklandia	46883*
pathological conditions, operations,		Atrax robustus	42559	Aucoumea	30201* 51172*
parasites, and pests		Atrazine	29257	Auctions	55549 55973
Assessment	35511 56137 108154	29381 30317 37851 39437		55983 64320	
108164 108156*		39569 79846 90658 90716		Arkansas	65857
Assets and liabilities	54167 56066	100771 100772 101584 11125*		Belgium	44678*
97595*		20280* 29185* 29336* 49446*		Colorado	72323
Astacops	23769	49477* 79800* 79863* 79866*		Florida	107633
Astata femorata	5467	90706* 101809*		Great Britain	55471
Astaura n g	84149*	effects on beans	596	Netherlands	96823* 107278*
Aster	19393 90454 47394*	effects on Chlorella	100236	New Zealand	85618
Aster pinnatifida	98959	effects on corn	9571 10139	North Central States	65874
Aster squamatus	36867*	37934 38048 38540 48262*		Republic of South Africa	15868
Aster tataricus	100626*	48263*		54891	
Aster yellows	94299*	effects on cotton	10139	SEE ALSO SUBHEADS marketing;	
Callistephus chinensis	14214	effects on microorganisms	2199	shows UNDER specific subjects	
carrots	9254	effects on plants	38294 79764	Aucuba	18626
flax	37435	9913* 49427*		Aucuba mosaic	
lettuce SEE Yellows, lettuce		effects on potatoes	70122*	tomatoes	47487 58057
ornamental plants	83384	effects on raspberries	9677	Audio-visual aids	8107 25802
vegetables	83384	effects on soybeans	10139	46131* 46145*	
virus	105032	effects on wheat	48263*	SEE ALSO Recordings; Visual aids	
Asteracantha longifolia SEE Hygrophila		residual effectiveness	2036*	Audytrombicula	63902*
spinosa	70191*	Atrichopogon	43066	Augers	24015*
Asteraceae SEE Compositae		Atriplex	26830a 58142	Augochlororopsis metallica fulgida	42413
Asteridiella	88499*	Atriplex hastata SEE Atriplex patula		Aujesky's disease SEE Pseudorabies	
Asterinaceae	99059*	hastata	78870	Aulacaspis	73776
Asternolaclaps	94679	Atriplex patula hastata	2069* 14129*	Aulacaspis tubercularis	94367*
Asterolecaniidae	43150 53411	Atropa belladonna		Aulacoderes	83821*
Asterolecanium minus	53406	47601* 69197*		Aulacophora foveicollis	14575
Asterostomula	46972*	Atropellis piniphila	18139 99375	Aulacophora intermedia	14575
Asterostroma cervicolor	51144	Atrophic rhinitis	83008 83081	Aulacorthum solani SEE Acyrthosiphon solani	
Asthenia	82377*	93858 104808 104904 4610*		Aulocara elliotti	53531
Asthma	92909	13828* 13835* 13882*		Aulonothroscus	14504* 94836* 105621*
Astichus (Linastichus) n sgen	84073*	32495* 93860*		Aulosaphes	14804
Astragal	78665*	Brazil	93839*	Aulosira fertilissima	9994
Astragalus	19400 88305 26886a*	causes	104882	Auplopus	95333
28178*		control	93857*	Aurelianus n g	5492
Astragalus decumbens serotinus	31392	diagnosis	13800*	Aureobasidium	68738
Astragalus miser	101476	eradication	13818*	Aureobasidium pullulans	9888
Astragalus sinicus	29684*	prevention	32450	Aureomycin SEE Chlortetracycline	
anatomy and physiology	28266*	resistance	104927	Auricula	17850
China	102075*	treatment	93868*		
diseases	18020*				

\*Text of this reference is not in English.



## Item

Auricula lutea SEE Primula auricula  
 Auriculariales 37006\* 88548\*  
 Aurificaria n g 88546  
 Aurones 10200\*  
 Auscultation 103987  
 Australammoecius 94938\*  
 Australembia n g 84232  
 Australembiidae n fam 84232  
 Australiophilus ferrugineous 23546  
 Australodermus n g 84051  
 Austrothelais n g 94825  
 Austranaphes SEE Anaphes (Austana-  
 phes) n sgen  
 Austranophilum n g 53241  
 Austrapophua xanthopimplodes 5482  
 Austremerella n g 84231  
 Austremerella picta 84231  
 Austrian pine SEE Pinus nigra  
 Austrjapax 53591  
 Austroameridium n g 98901\*  
 Austrococosmoecus hirsutus 95647\*  
 Austrogneta n g 94678  
 Autognetidae 63868\*  
 Austrolimnophila 73612  
 Austrolophozia n g 36955  
 Austroopius 73751\*  
 Austrophanes n g 53241  
 Austrosimulium 23655  
 Autographa gamma  
 control 32589\*  
 diseases 83313\*  
 flight 84132\*  
 habits and behavior 94643  
 larvae 73843\*  
 mortality 73798\*  
 nutrition 84132\*  
 outbreaks 32637\*  
 parasites 83313\*  
 rearing and breeding 84132\*  
 reproduction 73841\*  
 variation 33426\*  
 Automation 43483\*  
 53665\* 64365\*  
 animal industry 5701  
 5654\* 5659\*  
 15102\* 24239\*  
 bibliographies 57179  
 cacao industry 44207  
 dairy industry 15763  
 65170 74920  
 25025\* 107041\*  
 drainage 50326\*  
 farms and farming 33566\*  
 bibliographies 15016\*  
 feed industry 35337\*  
 food industry 6223  
 54311 25972\*  
 97163\*  
 grain industry 43620\*  
 irrigation 29957  
 29965\* 29971\*  
 91320\* 106530\*  
 lumber industry 51067  
 51119\* 61311\*  
 meat industry 7221  
 milling industry 25609  
 24129\*  
 poultry industry 7221  
 84360  
 sugar industry 107940\*  
 textile industry 15883  
 54898 65286  
 96722  
 65324\*  
 woodworking 51221  
 SEE ALSO Mechanization  
 Automeris leucane 106004\*  
 Automobiles 53868  
 74149\*  
 Autoplectrus 53441  
 Autopsies  
 cattle 13110  
 dogs 82161  
 horses 52057\*  
 minks 82460  
 sheep 104140  
 93634 32259\*  
 93692\*  
 Autoradiography  
 in animal research 4138  
 92952 71691\*

## Item

Autoradiography--Cont  
 in entomological research 14721  
 73640 95067 106094 33471\*  
 73878\* 105699\* 106078\*  
 in insecticide research 105013  
 in plant research 8485 9515  
 18516 98725 99960 99940\*  
 100660\*  
 Autosticha 105936  
 Autunite 31712\*  
 Auxanomatidia boreotis 5236\*  
 Auxarthron n g 221  
 Auxicerus 94990\*  
 Auxins SEE Growth substances; Hor-  
 mones  
 Avadex 39460 39532 39554  
 79811 90656 29220\* 70099\*  
 70190\*  
 Avadex BW SEE 2,3,4-Trichlorallyl-di-  
 isopropyl-thiolcarbamate  
 Avalanches 70456 12147\* 71303\*  
 102783\*  
 Avena 146\*  
 anatomy and physiology 10121  
 19256 27832 28078 38337  
 48028 48137 58662 9882\*  
 control 29305 39532 79811  
 cytology 47891  
 fungus diseases 68167  
 genetics 838 9626 47891  
 47897  
 Avena byzantina SEE Oats  
 Avena fatua  
 anatomy and physiology 69151\*  
 89653\*  
 Belgium 79858\*  
 control 39449 39460 69151\*  
 90700\*  
 chemical 101549 70190\*  
 Australia 11088 101555  
 Austria 90700\*  
 Canada 79753  
 Germany 29147\* 29220\*  
 North Dakota 90656  
 Sweden 70099\*  
 USSR 79867\* 101458\*  
 Finland 79766\*  
 France 20315\*  
 Germany 49466\* 59917\* 70096\*  
 79840\*  
 East Germany 90597\*  
 Great Britain 39427 79758  
 Oregon 49533  
 Sweden 2015\* 70141\*  
 USSR 11017\*  
 feed 41251\*  
 fertilizers 89653\*  
 germination 11029 27985\* 89653\*  
 100396\*  
 Great Britain 88405  
 seeds 53010 39469\* 78564\*  
 86413\* 100396\*  
 Avena ludoviciana 53010  
 Avena sativa SEE Oats  
 Avena sterilis 89287  
 Avena strigosa 18639 89262  
 Avenacin 48584  
 Avenin 68792\*  
 Avenochloa pubescens 57746\*  
 Averrhoa carambola SEE Carambola  
 Avian diphtheria SEE Fowl pox  
 Avian encephalomyelitis SEE Epidemic  
 tremor  
 Avian malaria 42017 42459 62840  
 63445 104439 82581\*  
 transmission 4684 52767  
 Avian typhoid SEE Fowl typhoid  
 Avicennia officinalis 677  
 Aviculariidae SEE Theraphosidae  
 Avitaminosis SEE Vitamins; and SUB-  
 HEAD deficiency diseases UNDER Live-  
 stock and names of animals  
 Avitellina 22830  
 Avocado oil 27342\*  
 Avocados  
 advertising 85777  
 analysis and composition 34709

## Item

Avocados--Cont  
 anatomy and physiology 27612a  
 38167 38175 55127 75373  
 78403 78756  
 bacterial diseases 77868  
 biochemistry 89849 58954\*  
 California 79450  
 care and handling 85837  
 cooperatives 25422 55029  
 culture 289 79461 28823\*  
 diseases 324 77631 37170\*  
 enzymes 89870  
 fertilizers 39964 60470  
 fungus diseases 37288  
 California 9003 37199  
 77655 77656  
 Caribbean area 47424\*  
 control 37393  
 germination 78550 58608\*  
 harvesting date 79454  
 industry 75158  
 injuries 57788 99253\*  
 irrigation 289 77571 77572  
 labor 26536  
 marketing 6795 85763 85764  
 pest control 4873 23274 52949  
 94383  
 pests 63911  
 planting 80726  
 processing 63676  
 propagation 79449 101138\*  
 quality 39003 79454  
 ripening 55127  
 rootstocks 90307  
 seeds 78550  
 size 34759  
 spraying and dusting 78403  
 storage 63676 75353  
 varieties 79471 79475  
 Australia 39003  
 California 28822  
 Canary Islands 79456\*  
 Florida 1754  
 Morocco 1740\*  
 Peru 1756\*  
 Puerto Rico 49066\*  
 Virgin Islands 49059\*  
 weight and measurement 34759  
 Awards 67589 67602 8115\*  
 67191\*  
 agriculture 8427 109064 109146  
 17369\* 109177\*  
 agronomy 36457 36495 36529  
 apples 17402 46626\*  
 biology 67515\*  
 cattle 67585  
 cherries 17403  
 cotton 67623  
 dairy industry 8426 17334---17338  
 17340 17341 17410 17431  
 57291 67534 67627 77039  
 46626\* 98487\*  
 dairy sanitation 36467  
 ecology 67536  
 economics 27441  
 engineering 109148 36446\* 87986\*  
 entomology 8464 98525 46540\*  
 46549\* 46587\* 46624\*  
 farms and farming 86946 108667  
 fats and oils 17437 27444  
 feed 17306 17339  
 food processing 8481 98547  
 food research 17330 88015  
 food sanitation 17351 36470  
 67524  
 forest industries 67625  
 forest products 98497  
 forestry 17406 57215  
 57256 57283 57312 109078  
 17366\* 46626\*  
 grain chemistry 8419 36448  
 36478  
 honey 65779  
 horses 104091\*  
 horticulture 17372 17374 36527\*  
 human nutrition 17330 27524  
 livestock 8420 17307---17310  
 17399 27444

\*Text of this reference is not in English.



	Item				Item				Item		
Awards--Cont				Azotobacterin	39789	22899*	29557*	Baby pigs--Cont			
meat			17311	39791*	39792*	48460*	90940*	disease resistance			
milk	17393	57233	67524	Azoturia	3994	92713	32156*	63321	104803	104854	104860
mushrooms			67513	Azotus pinifoliae			64081*	32445*	32474*	52654*	63264*
Orchidaceae			98610	Azotus matritensis			53461*	83001*			
peaches			17404	Aztec tobacco			66268*	diseases	52632	72960	72972
pears			17405	analysis and composition			19056	83020	13846*	13885*	22992*
phytopathology	98484		36463*	anatomy and physiology				42322*	63240*	63283*	72955*
plant cytology			87955*	68759*	89423*			72987*			
plant geography	36472*		88037*	biochemistry		89899*	89900*	control	52600	4534*	22959*
88044*				fertilizers		11637	60526	72962*			
plant protection			27562*	genetics			68655	prevention	92566*	104916*	104929*
poultry	8463	8478	27442	Mexico			90784	reviews			104823*
27451	27501	27539	27542	morphology	37661*	58235*	58254*	treatment	4583*	13802*	32501*
27545	46556	46607	57232	processing			66268*	52625*	72978*	104929*	
104480				properties			45367*	reviews			104823*
pulp and paper industry			67639	quality			11637	feeding and nutrition		4495	4512
rice		17394	46626*	yields		11637	28763*	4589	4605	13776	13781
sericulture			46626*	Aztecandidium n g			95335	13817	13852	22919	22928
sheep		17317	27467	Azulene		103255	48564*	42256	42257	52535	52557
soil science			36439					63188	63191	63196	63209
tobacco			67568					72925	72943	72952	82939
tung oil			67616					93793	93803	104794	104951
turkey			36444					13791*	32352*	32376*	32387*
veterinary medicine	8430	8436						32542*	52594*	52654*	63347*
8495	71743	98502	109062					72921*	72924*	72941*	82917*
57333*	81701*							82928*	93804*	93805*	104767*
Axerophthol SEE Vitamin A				Babassu			26088*	104796*	104916*	104929*	
Axes			30519	Babcock test		6377	65837	Austria		32385*	93791*
Axinaea			36938	Babesia argentina			72193	Czechoslovakia			42249*
Axinoscymnus n g			83850	Babesia bigemina	62328	71833	71688	deficiencies		13784	52534
Axinoscymnus beneficus			83850	92482*	103802	51493*	51876*	83055	104803	32386*	63195*
Axiocerses			5500	Babesia caballi	41848	63500	13377*	104793*			
Axonopus affinis			90608	Babesia canis		3811	94216	Denmark	52542*	52555*	93789*
Axonopus scoparius	99548*	108517*		Babesia colchica			92482*	104780*			
Axonopus compressus	631	41548*		Babesia divergens			32685	Germany	13771*	32479*	93767*
Axyris amaranthoides			70163	Babesia equi			41848	East Germany		4514*	32359*
Ayapin			100181	Babesia motasi			91936*	32362*	32375*	32394*	
Ayenia			36793*	Babesia ovis			91936*	Hungary		42268*	104774*
Azadirachta indica SEE Melia azadirachta				Babesiella SEE Babesia				Indiana			13786
8-Azaguanine			9796	Babesiosis SEE Piroplasmosis; Tick fever				Kentucky			63218
Azalea				Babros sonorivox			43176*	Louisiana			4524
anatomy and physiology			89704	Babul acacia SEE Acacia arabica				Nebraska			42262
10058*	38002*	68659*		Baby foods				nurse sows		104915	84699*
culture	20036	49258	101273	bacteria			15616*	Poland		63200*	82930*
28989*	39138*	49157*	101267*	contamination			106661	Sweden			13787*
fertilizers	29671*	39138*	70480*	fortified			97258	USSR		72936*	93782*
forcing		38002	38432*	nutritive value			46484	feeding and nutrition equipment		24074*	106251*
fungus diseases			37235	processing		97258	85958*	Germany			7096*
hardiness			39263	quality			65536	growth	13776	13797	13893
nutritional deficiencies			100371	vitamins			97258	22976	42310	42311	72920
pests			42721	Baby pigs				72925	82984	104915	4515*
pruning			68659*	abnormalities	4590	4575*		32372*	32386*	32542*	42286*
Smoky Mountains			77424*	anatomy and physiology			4605	52573*	72986*	83001*	83094*
soilless culture			49155*	12627	13817	13841	13893	104767*	104774*		
soils			30047*	42280	42329	52649	63298	habits and behavior			32542*
varieties	39263	49217	49267	73009	104853	104854	4551*	hereditary diseases			32512
90418				4564*	4599*	32447*	32474*	immunization		22960	32549*
Azalea indica SEE Rhododendron indicum				32475*	32479*	51816*	52626*	93847*	104912*		
6-Azauracil SEE as-Triazine-3,5(2H,4H)dione				63232*	63240*	83089*	83094*	infectious diseases		3662	22943
Azelaic acid			41048*	93817*				22945	32434	32540	72925
Azides			53306	care	22919	42280	53963	93869	104848	104944	4531*
Azidin SEE Berenil				96017	104938	23009*	24215*	4599*	4600*	4603*	32445*
Aziridine	25229	85639		32330*	53976*	63347*		63343*	82968*	83060*	93889*
Azo compounds			27834	Germany				93894*			
Azo coupling SEE Coupling reaction				East Germany			84661*	Brazil			22990*
Azobenzene			347	Great Britain			52664	control	32509	93828	32510*
Azocarbonamide	34948	34952		Hungary			52585*	72985*			
Azodicarbonamide			65758	Iowa			73031	Germany			
Azolla pinnata			70567*	Kentucky			63218	East Germany			32507*
Azollaceae			8776*	reviews			22991*	immunization			83027*
Azotobacter	20503	29562	29573	seasonal	42341*	52660*	52663*	prevention			83024
80093	90942	101825	101828	Sweden			32551*	Rumania			63302*
20481*	20497*	20498*	29548*	costs and returns			66951*	transmission			52594*
39811*	48396*	49776*	49793*	76407*			66967*	treatment		93884	31287*
49807*	60204*	68924*	70337*	Czechoslovakia			4613*	32539*	104801*	104847*	
70346*	70365*	90947*	90953*	deficiency diseases		22956	63191	losses		13759*	52585*
101816*				72965	83067	104933	13836*	72962*	104907*		
Azotobacter agile			29532*	32440*	52588*	52603*	63268*	mortality		4512	4581
Azotobacter chroococcum			11356	63307*	83006*	83015*	93818*	93828	63248*	63289*	
29570	29578	29532*	49804*	93830*	93845*	104925*		causes			22966
78462*	80105*			prevention		13769	52624	parasites			13856*
Azotobacter indicum			78462*	104944	32464*	42300*	63252*	poisoning	22936	13850*	52586*
Azotobacter vinelandii	2216	60208		104815*				52616*	52648*	63308*	
60212	70401	2251*	70395*	treatment	22968	93824	52611*	Poland			83112*
70410*				93823*							

\*Text of this reference is not in English.



Item			Item			Item		
Baby pigs--Cont			Bacon--Cont			Bacteria--Cont		
viability	83055	22877*	irradiated		25938*	sulfate-reducing		101805*
virus diseases	13829	32452*	marketing	65865	34987*	taxonomy		33013
Germany		32497*	Netherlands		23007*	thermoduric	6499 34344	44613
transmission		63296*	packing	7178---7180	45012	54493 75773	25361*	54527*
weaning	4556 22919	22926	97141			thermophilic	80095	80114*
22943 63190	63218	63248	processing		45026	viability	33996	95115*
72920 72952	93774	104766	quality	25923 42259	4618*	vitamins		54510*
104768 104915	4515*	32372*	statistics		55519	SEE ALSO names of bacteria; and		
52586* 63283*	72921*	72955*	trade			UNDER specific subjects		
82930* 93804*	93805*	104774*	Denmark	87669*	108849*	Bacterial blight		
reviews		93764*	Great Britain		87669*	cotton SEE Angular leafspot, cotton		
weight and measurement		4581	Poland	76827*	98324*	guar		9191
4589 93803 104766	104943		Bacotia sepium		23889*	safflower		9184
32473* 42292*	63248*	83001*	Bacteria			Bacterial brown spot		
104907*			aerobic	6030 6587	26199	beans		99559
Baccharis halimifolia		101482	54097 62171	101823	15784*	Bacterial canker		
Bacillariophyceae		57688*	24464*	24510*	60206*	fruit		27266a
Bacillary hemoglobinuria SEE Red water			anaerobic	4299 6587	6625	Bacterial diseases SEE names of dis-		
disease			25950 44058	45028	45029	eases and organisms; and UNDER Plants		
Bacillispora n g		26957a	74360 12686*	39782*	41583*	and names of plants		
Bacillus	99268 15784*	44900*	86186* 103210*	104721*		Bacterial gall		
83715* 83716*	88735*		anatomy and physiology	979		Nerium oleander		18251
Bacillus alvei 105414	73389*	94506*	6019 10028	25876 28019		Bacterial hard rot		
94577*			87885 100217	100456 20482*		potatoes		58048
Bacillus anthracis	4299 12563		antibiotic resistance	22616 30969		Bacterial leaf blight		
21866 41381	3193*	81861*	41661 3230*	31391*	52613*	rice		18252*
103177*			106904*			Bacterial leaf spot		
Bacillus cereus	6035*	21866*	biochemistry	10172 11346*		redpeppers		88856
81861* 94577*	94579*		cellulolytic	62240 72847	39807*	Bacterial soft rot		
Bacillus cereus group		105536	101819*			Iris		14215
Bacillus cereus mycoides	64906*	81861*	cellulose synthesis		6184	potatoes		99555
Bacillus coagulans		44613	chromogenic		15627*	Bacterial spot		
Bacillus dendrolimus		42444*	coliform	3717 6742	26159	cabbage		58056
Bacillus eurydice		94577*	31727 34333	54988 55850		peaches		37399
Bacillus fribourgensis		106069	65058 65059	85267 85402		redpeppers	9557 37413	77865
Bacillus larvae 63781	105437	105438	106922 3566*	35022*	62669*	99550		
94567*			conferences and congresses	43947		tomatoes		77865
Bacillus lentimorbus	33435 42392		culture media	23109 51579	62323	Bacterial wilt		
94943			92028 103781	65063*	101801*	alfalfa	47443	47445
Bacillus megaterium	106586 21866*		cultures	3161 6362	9178	corn		47434
70376* 78462*			30864 34344	51471 54107		Dianthus caryophyllus		47432
Bacillus natto		107749*	55535 65075	72873 82974		eggplant		99545
Bacillus pluton SEE Streptococcus pluton			97090 103280	103343 12613*		potatoes		18260
Bacillus polymyxa		106586	12686* 13063*	31411*	34442*	tobacco		99545
Bacillus popilliae	33435 42392		39814* 43909*	64760*	72212*	tomatoes		99545
94943 83287*	94586*		74940* 74941*	81855*	83079*	Bactericides		77545
Bacillus pumilus	18178 77860*		91922* 96639*	101801*	103177*	85489 85719 107828	76903	42308*
Bacillus radicola	90915*		entomogenous	14765 33232	73121	74915* 85341*	85735*	
Bacillus sphaericus	42445		enzymes	394 24877	52482	application		105044
Bacillus stearothermophilus	54102		54544 93286	104720 106910		in meat industry		65913*
	54100*		44295* 70344*			in milk		96430*
Bacillus subtilis	6030 25047		freeze-drying		47436	insect sources		105538
25876 26755a 74323	92375		genetics		824	plant sources		88113*
105493 107605	21866*	43919*	hydrogen-ion concentration		106586	tests		77865
70376*			identification		15621*	SEE ALSO names of bactericides		
Bacillus thuringiensis	4910 13982		lyophilization		81863*	Bacterins (agronomical preparation) SEE		
14006 23057	23205 23252		mesophilic		15616*	Fertilizers		
32740 42377	42392 42725		nitrogen fixation	101785	11343*	Bacterins (bacterial vaccines) SEE Vac-		
42752 52836	52887 52954		11346* 29537*	29566*	49793*	cines		
53484 63579	63651 73075		49798* 60204*	70368*	70372*	Bacteriochlorophylls		48546*
73121 73223	84129 93955		70373* 75627*	80105*	90935*	Bacteriology	3203 87885	91999
105011 106042	106069 4678*		101800* 101801*	101826*		103233 106921	24381 54650	
32595* 42696*	52735* 93957*		nodule	2186 2191	2192	Bacteriophages	2239 24381	106914
94306* 94515*			11367 20476	29535 29536		85489 99553	104162 106914	
application		63592	29546 29555	37703 38315		24867* 29538*	62338*	71696*
caterpillar control		105022*	39778 39808	49806 49812		74940* 81861*	94506*	103821*
effects on Anagasta kuehniella		43279*	60218 60227	70408 80093		104416*		
83518*	105997*		80099 89104	90900 90907		reviews		37409
effects on Apis mellifera		94548	99549 29537*	29538*	29571*	Bacterioscopy		34004*
42831*			29575* 39788*	39812*	69050*	Bacteriostats	103781 65913*	96430*
effects on Bombyx mori		105478	70359* 80113*	90934*	90935*	Bacteriotropin SEE Antigens and anti-		
83715* 83716*			101804*			bodies		
effects on Drosophila melanogaster		33157	reviews	11364 101831*		Bacterium anitratum		4229
effects on Lepidoptera		14277	oligonitrophilic	39782*		Bacterium fascians		9180
14286 94014 105384	83456*		pathogenic	61889		Bacterium malvacearum		1560
effects on Musca domestica		105090	to Autographa gamma	84132*		27268a 27269a	37395 47426	
storage pest control		105348*	to Bombyx mori	83715*	83716*	68245 78286	88860	
tests		93989	to insects	14277 32990		biochemistry		99553
viability		33403	33000 33013	33019 73500		cotton	27268a 68241	77852
Backman's formula		71093*	93972 106035	14269*	32574*	78308 88853	88854	90091
Backrubbers	63449 94158	63493*	63699* 83715*	94474*		99553 58054*		
Bacon			proteolytic	3169 86359*		Bacterium pestis SEE Pasteurella pestis		
bacteria		45012	psychrophilic	5730 6506		Bacterium phytophthorum		37394*
canned		7121*	15654 24797	34315 44344		Bacterium pseudotuberculosis rodentium		
containers		7178	54494 54532	65042 6027*		SEE Pasteurella pseudotuberculosis		
curing		25923	reviews	86224*		Bacterium tumefaciens SEE Agrobacte-		
			saprophytic	96411		rium tumefaciens		

\*Text of this reference is not in English.



	Item				Item				Item		
Bacteroides ruminicola		103303		Baits and traps--Cont				Bamboo--Cont			
Bacticin	13022*	31253*		Rhagoleta completa		83434		products	45394	45395	86533*
Bacto-strips		24831*		Rhyacionia frustana		14290		86540*	86541*		
Bactra		105952		rodents	3320	8904		pulpwood	7565	26377	45377
Bactra (Bactra)		105953		spiders		105563		51262	75916*		
Bactra (Spinobactra) n sgen		105952		termites		42764		seasoning			86528*
Bactra verutana		83490		tests		32825		sites			80983
Bactropalpus n g		14594		Bajri SEE Pearlmillet				Taiwan			56002*
Baetidae		23966		Bakanae				taxonomy			8746
Baetis	73894	95637	5619*	rice	59042	79017	79018	Bamboo powder-post beetle SEE Dinode-			
Bagasse	21038	55822	55846	99453				rus minutus			
55909				Bakeracarus schoutedeni hyatti		5079		Bambusa			78738*
analysis and composition		7447		Bakerella		77303*		Bambusa arundinacea			28226
55907		66202*		Bakerocoptes n g		5078*		Bambusa nutans			85630
culture media		107979		Bakerocoptes cynopteri		5078*		Bambusa tulda			53017
feed	41520	51722		Bakerocoptinae n sfam		5078*		Bambusa vulgaris vittata			11148*
fuel	55893	97467		Bakery products	85944	108930		Banana root borer SEE Cosmopolites			
in fiberboard manufacture		86478*		analysis and composition		7016		sordidus			
91742*				contamination		44328		Bananas			
in pulp and paper manufacture		44446		frozen		44865		abnormalities			78842
45310	45327	45333	45344	India	7022	7023	34184	analysis and composition			6822
55827	55957	66240	86494	ingredients	15695	25642	98372	107249	65439*	75185*	107397*
26311*				65164*	97231*			anatomy and physiology			27861
industry		75854		marketing		34921		44589	48476	58883	78842
mulch		70665		nutritive value		27348		100455	19021*	19209*	65381*
processing	66222	66224	86467*	processing		16404		100307*			
products	55885	55893	55963	regulation and inspection	7016	106655		associations		25284	15891*
97467				storage		34184		bacterial diseases		68244	99547
properties		16440		SEE ALSO Bread				88683*			
storage	97467	86467*		Balance of nature	17300	46498		biochemistry		18062	44589
weight and measurement		7462		46532	87833	108981	23262*	100642	34793*		
66184		66185		52974*	63406*	73319*	77608*	color			25349*
Baglione process		66035*		83751*	88580*	88988*	94625*	conferences and congresses			25284
Bagnisiella		26973a		Balance of payments SEE Trade				consumption	25377	15899*	107258*
Bagous		14085		Balance sheet of agriculture		26640		cooperatives			56981
Bagrada		23265		Balaninus SEE Curculio				culture	39011	49063*	65381*
Bags	6580	53010	58543	Balanitaceae		98923*		India			79462
in pest control		23288		Balanites aegyptiaca		25063*		Ivory Coast			69715*
insectproofing		23359		Balanococcus	53410	73775		Jamaica			101152
jute	54261	107127	26225*	Balanophora		9497		Republic of South Africa			68039
paper		26225*	55790*	Balanophora japonica		98884*		Surinam		19807	28827*
Bagworm SEE Thyridopteryx ephemerae-				Balansia		26936a		disease resistance		18062	27101a
formis				Balantidiasis		104878*		27102a			
Bagworms SEE Psychidae				Balantidium		104878*		diseases			
Bahia	46849	77328		Balantidium coli		63237*		Australia		8905	99215
Bahia grass SEE Paspalum notatum				Balaustium dowelli		94781		Brazil			88618*
Baiburttsyan method	63284*	81800*		Balazs test		75826*		Colombia			303
Baits and traps				Balds		47695		Fiji			99235
Aedes aegypti	13992	14716		Balers		95868*		Pacific area			17985
64071	94200			California		53745		Peru			88651*
Amphimallon majalis		63436		Germany		95882*		Southeast Asia			17985
Anthonomus grandis		23213		Netherlands		106300*		ecology		585*	65381*
Apis mellifera		53061		situation and outlook		84505		enzymes		6741	15931
birds	18006	36409		tests		24113		feed			22519*
Carabidae	83841	105294		types		74103		fertilizers	11576	50111*	60430*
Ceratitis capitata	83401	94354*		SEE ALSO SUBHEAD baling UNDER				70613*	80323*		
94401*				names of crops				flavor and odor			6822
Cochliomyia hominivorax		83928		Balfourodendron riedelianum		69281*		freeze-dried			96806
Diplopoda		83136*		Baliulus guttulatus		83341*		fungus diseases		421	9044
Drosophila melanogaster		23226		Ball clover		18723		18062	27101a	27185a	37366
63596				Balladyna		88499*		47256	58655	99415	107397*
fruit flies	64011	105253		Balloons				Australia			99495
gophers		87826		in forestry	21424	30487	51055	Central America			47312
insects	4635	4691	5047	102457*				Colombia			336*
13905	23031	23130	23199	Baloghella n g		5099*		control	37200	18194*	37223*
23226	23227	23320	23325	Balsam SEE Ochroma				65574*	77787*	88683*	95921*
32825	42408	42492	52964	Balsam SEE Impatiens balsamina				Australia			68181
63439	83409	83504	83910	Balsam fir SEE Abies balsamea				Hawaii			58022
94470	95112	18014*	53196*	Balsam poplar SEE Populus balsami-				India			27199a
63992*	94118*	94189*		fera				Jamaica			391
light	23163	23913	42698	Balsam woolly aphid SEE Chermes				Puerto Rico		18070	57885
42864	63830	73809	83155	piceae				Guinea		88716*	99290*
83316	94049	94340	94633	Balsaminaceae	18602	67830*		India			27215a
94636---	94638	95013	95125	Balsams		23526*		Jamaica			88785
95540	42384*	83459*	83484*	Baltazaria n g		23812		Somali Republic			68121*
83537*	95441*	105409*	106038*	Bamboo	8746	11146		genetics		58456	65381*
suction		42897		analysis and composition		16515*		grading and standardization			44701
Ips confusus		63982		culture	20004	79895*		history			19795
Kaloterms flavicollis		33517*		diseases		77542*		industry			
33518*	53595*			feed		51713		Argentina			15899*
Lepidoptera	33372	64177	106038*	identification		26844a		Australia			65416
mosquitoes	42492	95126		in pulp and paper manufacture		26382		Costa Rica			85660*
muskrats		87863*		45383	45384	45388	45391	Martinique			85705
Periplaneta americana		43332		45392	45397			Somaliland			25288*
Pieris rapae	5519	95442		industry		86527*	86539*	West Indies			25334
Popillia japonica		63436		pests	43020	43288*	95195*	irradiation			107340*
rabbits	27064a	73400	82722	105710*				irrigation			50225
87845	87876			preservation		40853	45395	Jamaica			69721

\*Text of this reference is not in English.



Item			Item			Item		
Bananas--Cont			Banks and banking--Cont			Bark beetles		
marketing	65381*		services	7648	7659	Australia		37091
moisture	96806		16581	16583	16586	broods		33121*
morphology	99930*		26455	26472	26480	China		105686*
nematodes	27374a	39015	30160	45489	66416	control	4913*	63691*
88958			86660	97605	108085	105376*		63708*
nutritional deficiencies	19167		Australia		108109	Florida		105405
19034*			Canada	16582	16724	parasites	53268	95280*
nutritive value	65381*		New Zealand	108087	108363	rearing and breeding		43012*
packing	65559		North Carolina		45504	Southwestern States		53268
pests			situation and outlook		26493	populations		73318
Africa	105323*		Sweden		7660	SEE ALSO Scolytidae		
Australia	14168		Venezuela	26478*	86625*	Barkeria lindleyana	17669	57658
Brazil	88618*		Yugoslavia	56095	56096	Barleria gibsonii		69013
Dominican Republic	5617		Banks grass mite SEE Oligonychus			Barley		
ecology	105972		pratensis			acreage and area		107492
Guinea	73852*		Banti's disease		3869	analysis and composition		7009
Ivory Coast	105276*		Bantodemus zulu		94956	25568	44852	60476
Nicaragua	32843*		Banvel D SEE 2-Methoxy-3,6-dichloro-			96951	96971	96985
Southeast Asia	17985		benzoic acid			7005*	7010*	16138*
Taiwan	52943*		Baobab SEE Adansonia digitata			25112*	25646*	25651*
physiological diseases	19209*		Baptisia		1819	25742*	25765*	25654*
planting	39009	47574	Baptisia leucantha		79007	65717*	65739*	65710*
policies and programs	25320		Baptisia leucophaea	38518	98858	65740*	97002*	65740*
prices	25457*		Baptisia sphaerocarpa		79007	97014*		107485*
processing	34793*	55130*	Baptisia tinctoria		58989*	anatomy and physiology	953	1123
processing equipment	75334		Barathra brassicae SEE Mamestra			1130	9751	9826
products	107359*		brassicae			9950	10024	11194
propagation	59534	1757*	Barathranthus axanthus		18625	19080	19183	27178a
properties	75185*		Barbacenia		8749	27851	27860	27798
quality	44701		Barban SEE Barbane			27975	28093	27887
situation and outlook	75173		Barbane	11089	29244	38308	38420	28217
soilless culture	19034*		39460	90656	39442	48140	48295	48073
soils	50222*		79867*		49466*	48296	48296	48308
spoilage	34793*		effects on barley		58575	48310	48347	58482
spraying and dusting	57885	18194*	effects on wheat		38135	58698	68915	58575
storage			reviews		2007	69006	69051	68968
diseases	34815	57723*	Barbara		53026	78264	78621	69091
107397*			Barbarea		17668	89326	89446	78847
pest control	23353		Barbarea verna		70017	100205	100353	89624
tests	25349*		Barbarea vulgaris	29212	49428	100558	9664*	100425
trade	65381*		39500*			19196*	27746*	10131*
Ecuador	56956--	56960*	Barbaropus		23578	28059*	28109*	19035*
Great Britain	25334		Barbistites fischeri		14642	28193*	37664*	27954*
India	56981	108846	Barbiturates	13275	3878*	38041*	38072*	28159*
Japan	46398*		Barclaya longifolia		78203*	47972*	48224*	37966*
Tropics	56991*		Bargaining associations SEE SUBHEADS			48316*	48395*	38279*
West Indies	25334		associations; cooperatives UNDER			48316*	48395*	48231*
transportation equipment	33807*		Markets and marketing			58547*	58647*	48259*
varieties	65381*	75185*	Baris heringi		33129*	78467*	78495*	48457*
Colombia		303	Barium		3612	80023*	89751*	68919*
India	59519	78842	Barium carbonate		106646	awns		100504*
Jamaica	19803	39015	Barium sulfate		38212*	19349	25597	78621
Sierra Leone	38994		Bark	21677	40383	48548	48626	38632
virus diseases	27288a	37444*	99874	60096*	60819*	69317	78332	69106
yields	11576	39009	102574*		99875*	19297*	28405*	1439*
50111*			analysis and composition		103022	breeding	1514	100669*
Banasa calva	5387		103034	12429*		48722	58391	28489
Banasa dimidiata	5387		chemical products	61514*	81521*	100085	100794	90055
Bandages	12711*		chemistry	41144*	81570*	100795*		1471*
Bandakia	33040		reviews	71555		Australia		28546
Bandane	11101		decomposition	91415		Canada		100770
Banded cucumber beetle SEE Dia-			extractives	41042	71511	Europe		79181
brotica balteata			102990	30673*	41044*	conferences and congresses		79141
Banks and banking	7646	7653	reviews		71555	Germany	1533*	86058*
16566	26464	56112	measurement	2752	40543	89599*	90057*	90076*
76142	86627	86636	Mexico		46126	East Germany		48734*
Angola		97600*	moisture		37985	Hungary		28520*
Australia	7669	26485	Norway	61400*	61539*	Ireland		10321
76000			properties	3021	12450	Japan	37915*	37917*
Bulgaria		66426	40766*		40665*	Netherlands	59167*	100872*
Colombia		108083*	removal		102877	Rumania		100978*
cooperatives	66414	86639*	chemical	40754	71381	USSR	28498	38768*
Denmark		75986*	Germany		81322*	48693*	100836*	
equipment		26476	East Germany		30480*	contamination		9619
Germany		108100*	Japan		40766*	costs		75421
India		16590	removal equipment	40754	2895*	costs and returns	7928	76410
Iraq		16565	40789*	102856*		108536	1540*	25112*
Italy		97599	Austria		40777*	culture		59208
Libya		75997	Czechoslovakia	2895*	30502*	Belgium		69396*
Mauritius		75996	Germany			Europe	65689	79181
Pakistan	56090	56102	East Germany		40779*	conferences and congresses		79141
56106			operation		61332*	Finland		100824*
Peru		16568*	Sweden		61327*	Germany	1485*	86058*
Poland		56099	utilization research	21680	61539*	89751*	91029*	
policies and programs		86653	weight and measurement		71437*	East Germany	48702	1494*
public relations	16592	86661	SEE ALSO UNDER names of trees			78754*		
Republic of South Africa		66415						

\*Text of this reference is not in English.

	Item			Item			Item	
Barley--Cont			Barley--Cont			Barley--Cont		
culture--cont			genetics	816	9603	malting equipment		75458
India		48709	9619	18696	27659	75459*	107514*	
Ireland	100803		27771	27779	37385	marketing	75374	25588*
Japan		90070*	47889	47893	47899	69396*		25698*
mountain areas		48709	58371	78247	78264	mechanization		5706*
Netherlands	1540*	89999*	78280	78281	78291	milling		44830*
Northern Ireland		100837	78861	89264	89265	moisture	6961	41246*
Rumania	11682*	59173*	100085	27746*	37397*	morphology	27851	28217
Spain		1515*	58392*	58436*	89273*	58371	78115	78332
USSR		2463*	research methods			99947	9372*	9487*
cytology	658	18491	statistical		27777	37664*	38279*	78207*
47909	58206	78115	reviews		89180	nematodes		99678*
100015	9488*	89225*	germination	6953	6961	nutritional deficiencies	886	18584
reviews		89180	48004	48334	58705	99678*		55227
disease resistance	395	9617	65775	69307	78750	oxidation		32764*
10386	19533	27661	6954*	18916*	27849*	pest control	63537	23210*
47354	47373	47886	28194*	44828*	48114*	pest resistance		4826
88641	100770	100846	58701*	68688*	75385*	pests	4826	4828
37209*	47072*	57930*	88668*	89456*	89599*	Canada		42635
diseases	37057	88641	Germany		65710*	Germany		94264*
100770			hardiness	10341*	38768*	Netherlands		32764*
drying equipment		15198	100499*		38788*	New Zealand		94273
ecology	38051	37609*	harvesting	953	10322	Pakistan		105832
enzymes	7039	16125	100778*		79212*	planting	69421	48411*
25632	55225	55249	harvesting equipment		43599*	Australia		69398
69317	85907	100716	history		1508*	Canada		48721
107511			hybrids	19533	27779	Czechoslovakia		79119*
equipment		64335*	48693*	100795*	100836*	Germany		28530*
fat and oil content	106848	75464*	industry		79181	Great Britain		20624
feed	12912	13645	injuries	10322	37057	planting date	10341*	59246*
22121	31448	22079	57849	311*	48310	Canada		38681
52401	62084	82042	irradiated		55368	Nebraska		19510
82055	82060	82119	irrigation	2444	70529	Poland		28535*
82768	82904	82926	losses		44882*	pollen		47899
103344	104164	25112*	male-sterile		68650	pollination		78281
22515*	28452*	30799*	malting	953	6953	prices		25698*
52179*	52529*	93155*	24626	25597	25716	processing		52179*
fertilizers	20650	69091	38706	38734	48689	products	31494	25765*
28193*	38041*	100425	55368	58575	59176	properties	6278	85952*
Australia		70605	65689	65721	65724	107447*		
Canada	11612	38681	74638	75420	85947	proteins	25672	34859
Colombia		60524*	90032	96990	90055	100425	100558	107505
Colorado		2444	97008	100425	100782	28530*	58392*	64957*
Denmark		70521*	100815	106848	107434	65776*	82936*	97001*
Germany	28530*	39953*	6954*	6980*	7013*	quality	48689	90032
80403*	80432*	91029*	7044*	7072*	25646*	100862	107505	7072*
Great Britain	20624	20625	34903*	44235*	44828*	Canada		34859
40101			58701*	64971*	64979*	Czechoslovakia		79119*
India		60476	65679*	65696*	65708*	Germany	7009	7005*
Middle Western States		100558	65752*	65755*	75385*	7068*	25651*	25677*
New Mexico	29802	40104	75464*	85899*	85952*	25771*	65716*	65717*
Northern Ireland		101993	86007*	86051*	86058*	79213*	90076*	
Poland	2445*	29821*	96968*	96997*	100795*	Netherlands		7071*
Rumania		11477*	associations		48722	USSR		100795*
South Dakota		70529	Australia		44963	research methods		
Spain		2390*	Belgium	44958*	55300*	statistical		100872*
Sweden		2354*	75378*	96964*	69396*	seeds	47893	58705
USSR	49777*	70659*	Canada		34859	69307	78247	311*
United Arab Republic		101953	conferences and congresses		96950*	28405*	28500*	
forage plant	61673	100978*	Czechoslovakia		79119*	Canada		48721
fungus diseases	387	395	Europe	85945	85946*	microorganisms		68225
400	18749	27178a	European Economic Community		7003*	North Carolina		86434
27661	37377	47373	France	25564	27849	Ohio	26234	86435
47387	68225	68228	Germany	1485*	25572*	quality		28495
78267	88826	88828	25629*	25677*	25696*	storage		48004
88764*			25757*	25758*	25771*	treatment	786	48345
Austria		37257*	25774*	34243*	65712*	9488*	27090*	27223a*
Bulgaria		37209*	70096*	75459*	75469*	28175*	47351*	88668*
control		375	79213*	80403*	80432*	88812*		
China		88777	91029*	96298*	96930*	viability		88733*
Germany	27090a*	77835*	96998*		48242*	shows	7071*	25757*
East Germany		88812*	East Germany		48259*	65712*		25758*
Sweden		88733*	Great Britain		25561	situation and outlook	25772*	25774*
Hungary		47351*	Italy		28452*	25772*		25629*
USSR		27223a*	Japan		90070*	size		7024*
Washington		68140	Middle Western States		100558	soils	19183	1045*
Denmark	27159a	88734	Netherlands	1540*	6299*	Australia		70605
Hungary		18196*	7071*	7075*	89999*	Colorado		2444
India	9140	47223	96292*	97014*	90079*	Denmark		19529*
Israel		68153	Poland		28535*	Germany	39953*	89751*
Japan	9064*	9144*	quality	89278	75435*	India		60476
Montana	47192	47374	91176*		91029*	New Mexico		29802
Philippines		9031	reviews		6307	United Arab Republic		58482
Poland		47354	situation and outlook		107455	spoilage		34945*
Rumania		99280*	statistics		96967	sprouted	16125	22126*
Sweden		27076a*	study and teaching		106856*	32218*	44882*	85900*
futures		85956						25112*

\*Text of this reference is not in English.



Item			Item			Item		
Barley--Cont			Barley--Cont			Batrachomorphus		
statistics			yields--cont			Batrachospermum		23757
Australia		75363	Poland		28535*	Bats		27423a
Europe	85945	85946*	Sweden		2354*	and disease	4766	14000
France		65731*	USSR	28500	38280*	as pollinators		51577
Great Britain		74567	70659*	88668*	59246*	beneficial		68731*
Netherlands	7076*	97018*	United Arab Republic		101953	control		83551*
Washington		44975	SEE ALSO UNDER Pools			insect food		3320
storage			Barley bran oil		26109*	pests	5079	94742
Arizona		85896	Barley germ		34903*	14429*	14430*	5077*
Austria		44882*	Barley jointworm SEE Harmolita hordei			14431*	14431*	5078*
Colombia		34945*	Barlia longibracteata		8732*	23631*	63858*	14434*
diseases		75452*	Barnettella n g		67974	83775*	94691*	63902*
Netherlands		7012*	Barns			94707*	94707*	94708*
pest control	63672	83526	construction	31494	74252	Battarea japonica		8839*
toxicity	6954*	85900*	53974*	95979*	33853*	Batteries SEE Electric batteries		
types	2463*	12987	design and specifications		5913*	Batyl alcohol		72159
varieties	4826	100504*	Germany		15291*	Bauhinia phenicea		49214
38051	38705	25716	Japan		96001*	Bauhinia tomentosa		79054
59176	59208	38734	Sweden		24225	Baycid SEE Baytex		
90055	100782	64995	Switzerland		53987*	Bayer 21/199		
100862	6314*	90032	equipment		15318*	aquatic insect control		63384
65752*		100841	Germany		43138*	cattle parasite control	31150	72163*
Afghanistan		28217	Hungary		64594*	72289*		
Australia	19555	79165	humidity		15284*	cattle pest control	32663	52790
Austria		69419*	insulation		64627*	63471	83247	
Bulgaria		38687*	Japan		33856*	effects on cattle		103445
California		19571	prefabricated		24212*	in feed		41487
Canada	38693	38783	remodeling		74210*	in meat		23111
Colorado	59154	79137	sanitation		106366*	livestock pest control		4694
Czechoslovakia		90071*	Sweden		43757*	poultry pest control		32710
Denmark	19529*	25096*	temperature		15284*	toxicity	4749	52479
Finland		69446*	types	5913*	31519*	105123		
France	1475*	100824*	53983*	84674*	53937*	Bayer 73 SEE Bayluscide		
Germany	24709*	59197*	ventilation	15284*	33871*	Bayer 9010	42545	73064
96998*	89456*	64968*	53983*	84674*	53937*	83202*		105037
East Germany		48734*	SEE ALSO Dairy barns; Enclosures;			Bayer 19639		
India	10386	59249	Milking barns; Milking stalls; Stalls			analysis and composition		73062
Indiana		19489	Barnyard grass SEE Echinochloa crus-			aphid control	42641*	73234*
Italy		28452*	galli			barley pest control		63537
Nebraska	38703	100783	Barracris n g		33461	bean pest control	94350	42568*
Netherlands	1539*	7075*	Barrel medic	10032	29535	Gleditsia triacanthos pest control		73306
90083*	96292*	97018*	Barter	36267	57006	potato pest control	105212	52942*
North Carolina		38752	Bartonella cuniculi		108851	105234*	105235*	
Northern Ireland		59190	Bartoniella		82714	wheat pest control		23258
Ohio	28525	59237	Bartramiaaceae		46955	Bayer 23129	83474	83381*
Oklahoma	59195	90050	Barynotellus n g		99017*	Bayer 25141		58128
Oregon		19578	Barypolynema		73609*	Bayer 29493 SEE Fenthion		
Poland	38420	47354	Basal rot		53447	Bayer 36205	77755	85722
Rumania		59173*	onions		27193a	Bayer 37344	32719	32720
Sweden	96971	59191*	Basalts	11613	48427	Bayer 39007 SEE Bayer 9010		
100785*		84666*	Basella alba		18789	Bayer 41831 SEE Folithion		
USSR	28521*	48693*	Basic slag	2450	20394	Bayer 44646		44603
89225*		48756*	2442*	20505*	101961	Bayer L 13/59 SEE Trichlorfon		
virus diseases	18298	47560	39915*	39959*	20642*	Bayer S 940		93687
99581	77908*		60537*	70574*	20671*	Bayer S1751 SEE Lucijet		
India		47523	78640*	79955*	60488*	Bayer S1752 SEE Fenthion		
New Zealand	9252	94273	80367*	101967*	70659*	Baygon SEE Bayer 9010		
transmission	4828	42624	102313*	102314*	80284*	Baytex SEE Fenthion		
42639			Basicryptus		102314*	Bazzania		77436*
weed control		58575	Basidiobolus meristosporus		5199*	Bazzania pompeana		99810*
chemical	29305	78524	Basidiomycetes		47053	BCG test	13006*	31254*
Germany	29147*	79811	anatomy and physiology		48484	32155*	51853*	31409*
49466*	70096*	29220*	89144	36657*	89613*	Bdellidae	23537	23539
Italy		101475*	Argentina		17912	53187*		14437*
Japan		20313*	Australasia		88546	Bdellodes		23537
Sweden		70099*	biochemistry		59061	Beaches		68402
weight and measurement		1514	Brazil		69174	Beachgrass SEE Ammophila		
yields	1476	20650	cytology		17912	Beak		31914*
69374	69421	78524	in soils		9433*	Beameromyia		23656
100205		89278	Italy		37347*	Beams	2948	30736
Austria	19035*	48724*	Lithuania		26952a*	40929	21721	30733
Canada	11612	38631	Scotland		17909	102944	61390	61418
100063		38783	taxonomy		89144	103057	30722*	102951*
Czechoslovakia		79119*	Basil SEE Ocimum		70086*	Bean aphid SEE Aphis fabae		
Denmark	19529*	70521*	Basilepta		94833*	Bean meal		44593*
Germany	28530*	91029*	Basilia		5306	Bean weevil SEE Acanthoscelides obtec-		
East Germany	48702	78754*	Basket willow SEE Salix viminalis			tus		
Nebraska	38703	100783	Basophiles		47635	Beans		
Netherlands	7076*	90079*	Bassia SEE Madhuca			acreage and area	65644	7032*
90083*	97018*		Basswood SEE Tilia			analysis and composition		15930
New Mexico		40104	Bast fibers	51317	25260*	15935	25374	44605
North Carolina		38752	87192*		65337*	107252	15937*	44593*
Northern Ireland		101993	bibliographies		34643	anatomy and physiology	350	434
Ohio	28525	59237	Bathyaulax alami		84113	1177	9643	9655
Oklahoma		59195	Bathyplectes curculionis		14093	9896	10041	14149
Oregon		19578	Bathysciinae	94846*	94870*	18910	19130	27828
			Batophora oerstedii	19362	89191*	27933	28033	28102
			Batozonellus		14810*	37836	38025	38029
						38496	47977	48223
								48272

\*Text of this reference is not in English.

	Item				Item				Item		
Beans--Cont				Beans--Cont				Beans--Cont			
anatomy and physiology--cont				dried--cont				seeds--cont			
48397 58517 58528	58785			processing	6867			certified	1921		
58908 58944 68726	68769			products	6772			injuries	58760		
68807 68811 68844	68847			properties	6750			treatment	27828		
69132 69146 78390	78400			proteins	6867			situation and outlook	8227		
89661 100129 100509	9831*			reconstituted	6866			soils	20474 39798	39949	
9858* 9968* 9975*	18838*			Republic of South Africa	25416			70404 39659*	70259*	78581*	
19223* 27298a* 27845*	27854*			55191				spraying and dusting		42614	
42568* 48111* 48176*	48316*			trade	98331			statistics	65644	7032*	
48329* 58529* 68764*	68832*			drying	44760*			storage		65558	
68859* 68876* 68903*	68925*			enzymes	59053 69270*			pest control	14226	63674	
68945* 68958* 69010*	69061*			farms	87056 108388			pests		94988	
69145* 78419* 78464*	78504*			feed	13474 104278			temperature	6870	96906	
78581* 78589* 89416*	100204*			fertilizers	39949 48272			tests		54995	
100417*				Belgium				toxicity		54226*	
bacterial diseases	434 9193			China	101991			trade		8227	
68243 18249* 18250*	18256*			Mexico				Mexico		96773*	
88852*				Michigan	69021			varieties	20179 59775	27348a*	
Canada	99564			Netherlands				29074* 58529*			
control	437*			New York	40037			Australia		10923	
Wisconsin	99559			for processing	1914 1927			California		1996	
biochemistry	1314 1317 19290			2003 5775	29057			Costa Rica		59796*	
20179 58997 59053	79759			87056 87185				Denmark	101393*	101410*	
88844 89949 99503	100679			Germany				Georgia		59790	
100684 1421* 58985*	59038*			Idaho				Germany		49336*	
59072* 59073* 69237*	79002*			Washington				Great Britain	70006	79727	
79015* 89416*	89929*	100599*		Wyoming				Hungary		49318*	
blanching	6870 96906			forage plant	100983*			Idaho		1932	
breeding	758 37870			frozen	6870 27358			India		10975	
Bulgaria				fungus diseases	350 400			Japan		29136*	
developing areas				27133a 37415	38232	58655		Latvia		10947*	
Germany	47840*			57877 77801	88844	99323		Lithuania		29067*	
Nebraska				99331 99439	99503	99537		Mexico		70032*	
Netherlands				1955* 27072a*				Michigan	29023	29057	
Rumania				Canada				Minnesota		59868	
USSR	28661* 49385*	79690*		control	422 18240			Netherlands		7971*	
100983* 101384*				Mexico				New Zealand		20200	
Washington				South Carolina				Oregon		10912	
canned	36373 44617			Washington				Rocky Mountain States		2003	
canning equipment				genetics	758 771 37836			Rumania	10954*	29046*	
cleaning				37870 58407	68621	100065		Sweden		59771*	
color				47640*				Wyoming		10944	
consumption				germination	58528 58760	58997		virus diseases		18267	
containers				78581*				18333 18338 18351		18375	
contamination	55016 107252			harvesting				27286a 27314a 27346a		42614	
cooked	6925 6937			harvesting date				47541 77930 99581		27298a*	
costs and returns				87185 5765*	49336*	64458*		27348a* 88877*	88880*		
Kentucky				hybrids	624 68621	10937*		Argentina		58098*	
Maryland				28661*				Belgium		77902*	
Netherlands				industry				Europe		77939*	
New Jersey				injuries	18333 96786	96773*		Germany		99626*	
New York	16903 87056			inoculation				East Germany		37439	
87185				irrigation				Mexico		42645	
Peru				labor				transmission	27341a		
culture	58908 69946			morphology	596 68492	78097		58110			
Australia				78180* 78184*	89085*			Washington		1929	
Denmark	101393*	101410*		nematode resistance				weed control	90678	101477	
Georgia				nematodes	58132	99695		chemical	29325 90601	90636	
Great Britain				packing				Mississippi		70051	
Hungary				pest control				New York		29386	
Lake States				Brazil				Northeastern States		29190	
Mexico	101423*			chemical	42614 63376	94350		Wyoming		20236	
Michigan				42568*				Germany			
Minnesota				Great Britain				East Germany		49461*	
Nebraska				Mexico				Mexico	49402*	70125*	
Netherlands	39337*	49296*		Norway				yields	20125 39949	70006	
59910*				Hawaii				39659* 70032*			
New Zealand	10985 20200			pest resistance				Bearberries SEE <i>Arctostaphylos uva-</i>			
Peru				pests	23271 32770	33075		ursi			
Rumania				42638				Beaumontia grandiflora		69240*	
Switzerland				Colombia				Beauveria		53153	
USSR	19617* 29074*			France				Beauveria bassiana	32591	95505	
cytology	27490a 58270*			Hawaii				73221* 83698*			
defoliation				India				cultures	106066 73107*	78143*	
digestibility				Yugoslavia	32803*	105624*		viability		33403	
disease resistance	434 68243			planting				Beauveria tenella	26954a*	57733*	
302* 1955* 47840*	77902*			planting date	39355*	68878*		Beavers	33100	92832*	
88852*				78589*				Beckeropsis		98887	
diseases				processed	6861 6900	6937		Beckmannia syzigachne		77364*	
dried				96906				Bed bugs SEE <i>Cimex lectularius</i> ; Cimi-			
6937				propagation				cidae			
conferences and congresses				proteins	19130 100679	59408*		Bedsonia		71820	
cookery				69237* 100204*		1421*		Bee flies SEE <i>Bombyliidae</i>			
keeping quality				quality	15935 55076	96906		Beech SEE <i>Fagus</i>			
nutritive value				seeds	20106 37870	26226*		Beech scale SEE <i>Cryptococcus fagi</i>			
packing				49318*							

\*Text of this reference is not in English.



Item				Item				Item			
Beechnuts			17973*	Beef--Cont				Beef cattle--Cont			
Beef				products	7194	65792	98254	breeding--cont			
advertising	65862	75572		55559*	75559*			inbreeding	12793	81941	81969
aging		7222		trade			98254	Italy			51649*
analysis and composition		12828		properties	25867	65840	97085	linebreeding			12805
13075	16208	22301	25849	86143*	97166*			Louisiana			92227
25874	25878	25879	55432	proteins	16203	25856	25857	Mexico			92200
65840	71899	75564*	97166*	25858	25874	75543		Mississippi			71919
and disease		55497		quality	16256	25856	25878	New Zealand			3348
bacteria	45009	22184*	22202*	31498	31512	35067	45055	Oklahoma			81670
canned		7126*		51654	55488	55523	62053	Oregon			72095
analysis and composition		55532		62264	86172	107599	107640	Republic of South Africa			3343
55533	75537			107643	107649	55500*	75564*	12849	103451		
cooking		87781		82308*	87099*	92220*	97135*	Southwestern States			82335
flavor and odor		55532		refrigerated			75592	Texas			82022
regulation and inspection		35070*		refrigeration	25849	35110	75622*	Tropics		41396	22005*
canning		55532		refrigeration equipment			7195	Virginia			51690
chemistry	7218	45021	45078	regulation and inspection			31369*	care	3740	3756	12822
65831	97166*			31435*	75588*	107657*		103365	103938		92653
color		7176	75592	situation and outlook	55396	55403.		Australia			62148
consumer preferences		25892		55421	65803	86081	86088	Great Britain		12860	92620
45034	55460	55488	65848	98284	86076*	97026*		103920			
consumption	45035	55462	86076*	Brazil			7110*	Italy			51976*
contamination		7170	35075	European Economic Community				Mississippi			41713
25885*	31265*	72148*	75588*	France		36203*	75500*	seasonal			92649
75622*	107641*			Germany			97927*	Sweden			71997*
cooking	16208	16256	35068	Italy		35033*	107581*	conferences and congresses			41705
55523	76856			New Zealand			75530	cooperatives	75004	107636	
costs and returns	26904	87099*		statistics			55559*	costs and returns	3425	22047	
Germany		66926*		sterilization			55520*	33620	97815	92302*	
Great Britain	16887	26794		spillage			97085	Arizona			87197
Louisiana		87226		storage	7176	7218	97166*	Australia		7935	108531
Netherlands		97975*		temperature			55524	France			108436*
New Zealand		31498		tenderizing		25975	35121	Germany			87181*
cuts	7176	7190	25934	tests		7126*	97085*	Italy		31513*	45881*
25939	35068	65848	71899	trade	27188	56966	67326	Louisiana			35918
75644	76856	82158	86174		67328	67348	76778	Mexico			55402*
drying		75660			87693	98282	108824	Michigan	35927	56611	76398
dried		97079			108902			Minnesota			16929
enzymes		45027			Argentina		87615	New York			87218
extracts		55432			Australia		8214	New Zealand			16898
fat	16203	55000	75556		Europe		98296	Northern Ireland			76461
103845	25885*	51765*	86125		European Economic Community			Norway			87206*
feed			62666		France		36203*	Oregon			76328
flavor and odor		7164	12828		Germany		36203*	Peru			72022*
16249	71898	71899	86175		Great Britain		98334*	Scotland			16893
97085					Italy		31435*	South Dakota		26928	66762
France		41725*	97042*		New Zealand		108908	Sweden			76428*
freeze-dried		75660			Sweden		46366*	Wyoming			35922
freezing		55524			transportation		55466	credit	16575	26469	66419
frozen		55466			weight and measurement		75612	86645	86656	97615	97619
grading and standardization		25919			SEE ALSO Veal			108117	108165		
25928	25952	44001	55460	Beef cattle						92139	92609
55494	55496	65879	75594	adaptation		71934		culling			92201
75612	86187	107649	35062*	anatomy and physiology		31470*		directories		31140	92201
Canada		75601		associations		51955		equipment		33620	64391
Florida		25940		Colorado		44991		farms and ranches			
Great Britain	45054	55506		directories		103925		Arizona			87197*
history		75591		Southwestern States	51994	55464		management		3425	7850
Pacific Northwest		35068		Texas		92229		31203	51662	51780	82330
hydrogen-ion concentration		7130		Brazil		13193*		92629	97815	97826	97916
industry	13181	55404		breeding	12795	21996	22025	Arkansas			3488
France		55393*		25945	31083	51646	51662	California			56489
Italy		86083*		51666	61942	61983	71934	Florida		35755	82329
Mexico		55402*		81954	81994	92140	92152	France			108436*
Oklahoma		97118		92161	92265	103414	103418	Georgia			87122
Sweden		46366*		103484	103494	12785*	41422*	Germany			87181*
Western States		65798		71892*				Great Britain			26794
Yugoslavia		16182		Angola			62003*	Great Plains			35788
irradiated	35024	62666	104185	Australia			12777	Indiana			45838
irradiation		7194	45078	Brazil			51667*	Louisiana			87226
judging	7163	65840	86143*	Canada			103498	mountain areas			35922
keeping quality		71686	75592	Colorado			3364	New York			87218
	75595			conferences and congresses		3352		Oregon			72095
marketing	7146	45043	65868	effects of feeding	51742	82036		South Dakota			66762
65869	75612	86088	86155	82136	103548			Texas			56485
97118	107629	25906*	65861*	Florida		92187	92261	Wyoming			35922
moisture	86131	86133	86144	Germany			55515*	USSR	87023*	87028*	87099*
nutritive value			75559*	Great Britain		62431	104583	Michigan			76398
packed	7176	75592	75595	hybridization		3410	12805	Minnesota			7889
packing industry			55531	31092	31119	41427	41460	North Carolina			92619
prices	7182	25952	44244	61968	71978	81968	81993	Poland			82063*
55514	65869	75617	97146	41502*				records			45875
107654	35081*	55515*	107657*	Australia			51712	Southern Rhodesia			86945
processing	7204	16244	16249	Florida		71932	71933	Texas			13209
55540	65910	97156	35090*	Louisiana			71908	feed relationships	12890	12963	
97166*				Pennsylvania			82002	41552	82110	31112*	31513*
production regions		97118						31519*			

\*Text of this reference is not in English.

	Item			Item			Item	
Beef cattle--Cont			Beef cattle--Cont			Beef cattle--Cont		
feeding and nutrition	3465	3509	feeding and nutrition--cont			history--cont		
12862 12896	13213	22041	Japan 31066*	31226*	51804*	Brazil 55412*	55413*	65811*
22086 22090	22109	22121	62110*			86101*	97053*	97054*
22131 31192	31196	31209	Kansas 22094	71998		97056*	97057*	97058*
31319 41498	41518	51716	Middle Western States	62102		Great Britain		72317
51722 51726	51735	51742	Minnesota	62112		Great Plains States		31520
51777 62067	62068	62086	Montana 62103	92306		Southwestern States		13217
62118 62135	62145	71987	Nebraska	41499		Texas 103427		103930
71992 72025	72031	72092	Netherlands	3508*		Western States		82337
82046 82055	82060	82088	North Carolina 72034	103515		housing 24210*		72147*
82094 82101	82109	82135	Northwestern States	51724		controlled environment		15304
82179 97826	103563	103579	Ohio	31191		designs and specifications		53982
103598 103606	25055*	72059*	Oklahoma	81670		Germany		53985*
72107*	92302*		Oregon	72095		Great Britain	15313	53984
Arkansas 82126	103585		pasture and range 3425	3444		Italy		74198*
Australia 62148	82096		3447 7170	12798		industry 55514	65793	67348
Bulgaria 62114*			41538 51737	51756		86091 86116	92674	97068
Canada 103532			79353 82029	82064		103494 107570	86107*	
costs 7934 16575	45474		82111 82122	92318	103536	Argentina		86118*
53684 56611	62075	82130	103895 92365*			Australia	86110	97044
3486* 92313*			Angola	12899*		Canada		82315*
Canada 31180			Arkansas	3488		Colorado		72323
Germany 108518*			Australia 12905	51712		conferences and congresses		22289
East Germany 108503*			103597			Great Britain 62431		82315*
Georgia 45883			Brazil 41543*	41548*		Great Plains 7111		97074
Mexico 103603*	103604*		California 31228			Idaho		44986
Michigan 35927			Canada 103559			Kansas 7146		16196
North Carolina 72034			Colombia 31168*			Latin America		72340
Oregon 76328			Colorado 31163			Missouri		92126
Peru 72022*			Florida 22068	62078		Nebraska		34977
Poland 41524*	82063*	82108*	72039 82090	92271		New Guinea		86094
Southern Rhodesia 72053			92321			North Carolina		92608
deficiencies 72024	72314		Georgia 41525			Oklahoma		82343
103594			Germany 69500*			Oregon		82333
feedlot 3740 12864			Great Britain 22053	72016		Southern States 41709		92671
12904 12912	12928	22050	Indiana 41516	62120	72102	Southwestern States		82335
22059 22069	22082	22101	72110			Tennessee		92675
22102 22112	31169	41526	Ireland 22052			Texas 107590		
51775 51780	51806	53684	Kenya 51793			Utah 44993		
62300 65797	72014	72033	Louisiana 92294			judging 92677 107599	45056*	
72096 74277	75004	76340	New Zealand 103561	103649		labor 45068*		45557
82064 82095	82129	82145	North Carolina 103524			losses 55467 55475		86156
86952 92249	92282	92346	South Carolina 25892			Malawi 31527		
92350 92370	92440	92494	Southern States 103587			marketing 25918 45050		45474
97619 103478	103517	103523	Texas 51778	51811		55467 55482	65815	65866
103544 103547	103552	103565	Philippines 3448	22097		65878 65899	92318	107633
103584 103594	108165	3463*	recent developments 3499			107635 108824		
72005* 92283*	92364*		51725 51731			Alabama 35034		
Alabama 71986			Republic of South Africa 72091			Arizona 97120		
Arkansas 41545	62134		research methods			Arkansas 97104		
92345			statistical 3458	31180		Austria 16220*		
Australia 41496	92326		71989			California 86183		
California 12877	87203		restricted feeding 22095	22301		Canada 107616		
Florida 62128	92285	103522	reviews 22083	82040		Colorado 72323		
Georgia 51963			seasonal 51736 51775	82125		costs 26928	16220*	
Great Britain 103920			92315 103548			Eastern States	25910	
Indiana 72088			Arkansas 12914			Florida 107624	107652	107653
Iowa 12878	103726		Australia 12905	72072		Germany 7150*	45039*	
Italy 72029*			Canada 103559			East Germany 75582*		
Louisiana 62146			Colorado 31163	31164		Great Britain 55471	62431	
Mexico 103534*			31165 92290			16217*		
Michigan 72069	103578		Florida 22068			Idaho 35037		
Midwestern States 72087			Great Britain 12894			Maryland 3635		
Nebraska 34977			Indiana 72090			Mexico 55402*		
North Carolina 41559			Oklahoma 92336			Netherlands 16214*		
North Dakota 62084			South Carolina 31234			Nigeria 65854*		
Oregon 76328			Southern Rhodesia 72053			South Dakota 25909		
Poland 82100*	82108*		Southern States 103587			Southwestern States 55464	107634	
South Carolina 25892			Sweden 51789*			Sweden 16218*		
South Dakota 25909			Southeastern States 51732			Virginia 97117		
Texas 12856	41490	72103	Sweden 22045*	71993*	71997*	meat production 3736	13213	
Western States 45846			72076*			22301 31512	51977	62445
Wisconsin 107636			Texas 92349			92651 92677		
Wyoming 22080			feeding and nutrition equipment 5723			conferences and congresses	13181	
Florida 31190	62077	62097	43511			effects of age 3472	3777	
71990 72009	72010		futures 65876	107635		13162 16898		
Germany 41507*	71988*	108518*	grading 31092	51991	65896	effects of breeding		12828
Great Britain 12860	12987		82007 92610	75604*		12834 22008	25975	31092
31196 92297*			12793 12799	12884		41477 51643	51654	61968
Hawaii 82052			22095 22158	31164		62053 71898	71899	71911
Hungary 41488*	51807*		31283 31319	41538	41552	71973 81968	81993	82007
Idaho 22079			51712 51723	51736	51997	82027 92157	92208	51675*
Illinois 51785			81997 82075	82109	82294	61952* 81977*	92220*	
in pregnancy 3447	51724		92187 92269	103650	103845	effects of drugs 12920	22080	
Indiana 41486	41487	72086	3705* 12930*	41502*	71993*	31283 62264	71686	103682
72089			72029* 82308*			3705* 31265*		
Italy 72037*			history 61971	103414				

\*Text of this reference is not in English.



	Item		Item		Item		Item
Beef cattle--Cont		Beef cattle--Cont		Beer--Cont			
meat production--cont		selection	12804 12822 12850	trade			
effects of feeding	3460 3472	14143 51686 51694 71911		Europe		27264*	
12912 12928 22047 22130		71915 71932 82027 92206		types		106843	
31150 31203 31214 31215		92249 31116* 61973*		Bees		93977*	
38831 41538 41540 51695		shows	12804 12822 103938	adaptation		14819	
51715 51731 51779 71991		situation and outlook	7102 25798	Alps		95354*	
82075 82101 92269 103540		25799 65823 65859 86093		anatomy and physiology		14323	
3463* 22037* 41502* 61952*		86095 86099 86111 97030		reviews	32950*	53442*	
92283* 92364*		97077 97916 107554 107572		Arizona		73712	
Arkansas	12913	Argentina	107556	as parasites		5440	
Australia	62349	Australia	97041	as pollinators	1722 13928	13936	
Belgium	62070*	Austria	97046*	14305 14819 23434		23435	
Brazil	41543* 41548*	Canada	97043 107616	58727 73101 83150		83623	
Colorado	92290	Eastern States	107560	83638 105884 4995*		13928*	
Finland	3467*	Florida	34974 107658	32965* 73039* 105416*		23810	
France	3485* 62070*	Germany	16215*	Australia	43207 53448	64165	
Great Britain	3464 22081	Great Britain	72317	Brazil	5463*	64160*	
Hungary		Italy	45881*	color		23421	
Indiana	41516 62120 62140	Mexico	92200	Colorado		73761	
Ireland	22052 22095	Middle Western States	62102	Colorado Desert		105884	
Italy	72029*	Netherlands	97048*	control		105406*	
Louisiana	92294	New Zealand	97041	Ethiopian Region		84093	
Mexico	51728*	Southeastern States	107560	evolution		53442*	
Michigan	103578	Texas	55390	food and host plants		64149	
Missouri	31120	Virginia	75507	Germany		105891*	
North Dakota	82048	South Carolina	82342	East Germany		105884	
Northern Ireland	41510	Southern Rhodesia	51979	Great Basin		105884	
Peru	72023*	statistics	51947 65962 107694	habits and behavior	73757	105884	
Poland	3486*	study and teaching	51979	105896 53454*		73712	
Republic of South Africa	92317	Sweden	22286*	host plant relations		53442*	
Tennessee	92317	Texas	82338	Italy		95354*	
effects of housing	22070	trade	98254	Japan		43207	
effects of sex	31519*	European Economic Community	108856*	Mexico	33335 53425	73757	
Florida	92500	Germany	98334*	nests	5437 5440	14829	
Germany	103565	transportation	35046 62300	95285 5477*	53454*	95357*	
Ghana	72338*	86156 31284* 61972 71899		oviposition		105897	
Great Britain	51974	types	103547 61960*	parasites		5440	
Ireland	41729	Brazil	16228*	poisoning		83623	
Netherlands	13215	France	55393*	Poland		23786	
USSR	97975*	Yugoslavia	16182	populations		53454*	
Washington	72327*	Virginia	31493	stings		83245	
milk production	51997	weight and measurement	51688	taxonomy	43207 53434	64165	
72334 103944	12883 13216	51947 55467 62349 71972		105880 105901 23799*		95346*	
Northern Rhodesia	31527	82007 82012 82110 82158		venom		14314*	
policies and programs	86079	92269 103353 103643 103645		Beesonitermes n g		43340	
Belgium	75503*	103866 22045* 31171* 72023*		Beesonitermes topslipensis		43340	
Florida	55414	Beehives		Beeswax	5012 44984	73340	
France	55393* 97035*	color	5016*	73350 86067 94501 94571		94571	
Southeastern States	107580	construction	383626*	107542 23467* 32943*		32950*	
Texas	45007	designs and specifications	94503	94515*		34960	
Western States	65798	for observation	4945 32933	analysis and composition		83603	
prices	35084 55511 55514	53074 5007* 94511*		extraction	4961	73345	
55544 65899 67326 75618		frames	14313 94575 42818*	extraction equipment	73340	73848	
86196 97145 97147		63752* 73403* 73421* 73441*		in Galleria mellonella		25785*	
Argentina	107556 86118*	83627* 94558*		processing	7080 16177	34963*	
Arizona	97120	insulation	4959	properties		16176	
Austria	97046*	maintenance and repair	94503	shows		4946	
Florida	107652 107653 107658	pests	14322 43230*	yields		4946	
Italy	55510*	plastic	73437*	Beet armyworm SEE Spodoptera exigua			
Minnesota	7889	skep	23455* 23456*	Beet leafhopper SEE Circuliter tenellus			
Oregon	75618	temperature	4965 83656 5014*	Beetles SEE Ambrosia beetles; Bark			
production regions	16196 26928	5015* 23477* 73422* 73449*		beetles; Carpet beetles; Coleoptera;			
65815		83632* 83680* 4928* 4978*--4980*		Weevils; Wireworms			
purchasing		23454* 73415* 73416* 73421*		Beets			
records and testing	41426 41460	83651*		analysis and composition		7446*	
72320 72348 72350 81945		ventilation	4959 4990 105448	anatomy and physiology		1001	
82012 82317 92152 92652		Beehouses SEE Apiculture, apiaries		19194 58522 58882 69055		68868*	
103513 103866 3745* 61973*		Beer		89146 89334 9405*		99551*	
Argentina	3742*	aging	106858*	bacterial diseases		44604	
Arkansas	51975 103431	analysis and composition	24709*	breeding	79298 1657*	48892*	
Canada	92658	clarification	64980*	canned		70038	
Florida	41716	defects	64940*	costs and returns		66914*	
Germany	72338*	flavor and odor	106810*	culture		49292	
Great Britain	81944 103643	ingredients	6278 6292 25689	Australia		49381	
Indiana	51978 72330	54415* 55992* 64940*		Austria		38826*	
Iowa	3734	64991* 65008* 85090*		Germany		38467*	
Kentucky	62437	85149*		Hungary		59365*	
Oregon	92650	nutritive value	67459*	Italy		59335*	
Scotland	13196	oxidation	106809*	Japan		29123*	
Texas	82022	pasteurization	24690*	Netherlands		39335*	
Virginia	51690	quality	6314*	Peru		101377*	
regulation and inspection	108856*	statistics	74567	Poland		10982*	
research methods							
statistical	71978						

\*Text of this reference is not in English.

Item			Item			Item		
Beets--Cont			Beets--Cont			Benzene		
cytology		27590a	37781*	weed control equipment	15229*	Benzene hexachloride		102990
feed	31184*	34458*	85510*		24170*	alfalfa pest control	83323*	94325*
fertilizers	70550*	70581*	106472*	yields	1994*	analysis and composition		52696
for processing		44683	101448	Arkansas			83197*	
forage plant			89475*	Austria		apple pest control		52973*
Austria			38826*	Denmark		Areca pest control		63641
Belgium			48892*	Ireland		beet pest control		83323*
Germany	58122*	66914*	81648*	USSR		cabbage pest control		94265*
East Germany		15136*	37883*	SEE ALSO Sugar beets		cattle pest control		63516
harvesting equipment			15145*	Befotaka n g		coffee pest control		52928*
Hungary			59365*	Begonia		corn pest control		4809
Italy		59335*	99146*	anatomy and physiology		cotton pest control	94277	105189
Netherlands			25054*	bacterial diseases		effects on Acarina		105192*
New Zealand			70167	breeding		effects on Collembola		105192*
nutritive value			76881*	culture		effects on Culex pipens quinquefascia-		105080*
Sweden			79298	fungus diseases	27131a*	tus		89208
fungus diseases			99326*	hybrids	101278	effects on onions		73102*
Austria		77833*	88839*	Indonesia		effects on plants	52690	4913*
control			88803*	nematodes		forest pest control	94469*	
diagnosis			47237*	spraying and dusting		grain pest control		23244*
Germany			47402*	varieties	101278	grape pest control		73249*
Sweden			88684*	Begonia cheimanthia		grasshopper and locust control		4637
genetics	27709	37883	89275*	Begonia evansiana	963	hemp pest control		83312
germination	1001	38467*	68662*	Begonia semperflorens		human pest control		23136*
	89475*				47902*	insect resistance	52700	105043
harvesting date			68868*	Beijerinckia	101785	23231* 63400*	105072*	
harvesting equipment				Beilschmiedia		isomers	83253*	105009*
Denmark		64467*	64481*	Beilschmiedia tawa	12083	legume pest control		73191*
Germany	15176*	64474*	15181*	Belba geniculosa		livestock parasite control		103373*
East Germany		15136*		Belching		log pest control		83532
Netherlands			84486*	Belladonna SEE Atropa belladonna		lychee pest control		105259*
operation			43591*	Bellieria		mosquito control	94173	4753*
hybrids		27709	28752*	Bellis perennis			105083*	
losses			7446*	Belonolaimus longicaudatus		oat pest control		83388*
mechanization			15070*		99732	Pinus pest control	83532	105367
morphology			78229	Belopus		32906* 73327*	94472*	105404*
nematodes	47587	58122*	68324*	Belostoma		potato pest control		63538
88909*	88932*			Belostoma flumineum		poultry pest control		105121*
nutritional deficiencies			9405*	Belostoma lundbladi		properties		94008*
nutritive value	1994*		76881*	Belostomatidae	33274	Quercus pest control		105400*
pest control	63554*	83313*	83323*	95165	53412	Rosa pest control		52988*
83342*	94314*			Beltrania		storage pest control		63674
pests	52854*	73718*	84032*	Belytinae SEE Cinetinae		sugarcane pest control	4816	4830
planting date	94313	76881*	38467*	Bembecia hylaeiformis		23214 83282		
planting equipment			82048	Bembecia marginata		synergism		104964*
pulp	63046	72094		Bembicini	5447	therapeutic use		41740*
	71633*			Bembidion	14800	tick control		32735*
quality			44683	Bembidion lampros	5182	toxicity	63517*	63714*
seeds	58522	7409*	84032*	Bemisia tabaci	4800	83254*		
Austria			88839*	88881	94278	tree pest control		73326*
monogerm			48892*	Bendroflumethiazide		wheat pest control	83388*	94328*
storage			68662*	Beneficial insects	4642	alpha-Benzimidazolyl cresol		104825
treatment			88803*	4874	5057		82174*	
soils			1001	32794	42451	Benzofuran		47313
spraying and dusting			24170*	77541	94322	Benzoic acid		38556
storage				Germany		effects on barley	48295	48296
Denmark		25494*	65607*	in weed control		effects on Bombyx mori		73461
Lithuania			7446*	New Zealand		effects on microorganisms		65621
Netherlands		25054*	34458*	poisoning	13914	effects on peas		89706*
	85510*			23252	42391	in Catalpa		100733*
thinning			1001	83123	83402	in cattle physiology		81961
thinning equipment			43539*	Poland		in food	43915*	74348*
tops			51768*	Republic of South Africa		in wheat		100628*
varieties			70038	reviews		in wine		44174*
Australia			101448	Switzerland		Benzol SEE Benzene		
Austria		1942*	79110*	USSR		Benzopyrene SEE 3,4-Benzpyrene		
Ireland			10444	United Arab Republic		Benzopyrylium compounds		55164
Italy			59335*	Beneshius		Benzoethiazole		47313
Netherlands			100769*	Bengalgram SEE Chickpeas		Benxoxazinone		27936
Switzerland			79321*	Bengalia		Benzoyl peroxide		86289
virus diseases		18344	37432	Benincasa cerifera SEE Benincasa		1-Benzoyl-piperidine		52765*
77951	68283*	94337*		hispida		O-Benzoylthiamine		98402
control		458*	472*	Benincasa hispida	37273	Benzyl ether		91757*
Great Britain			47534		59835*	N-Benzyladenine		28103
transmission		42621	94313	Bentgrass SEE Agrostis		38243	48223	65625
	14139*	73222*		Bentonite		6-Benzylamino-9-glucosylpurine		78427*
weed control				20463	29502	6-Benzylaminopurine	38112	107998
Australia			11039	40271	49588		78427*	
chemical				80639	90841	Benzylarylethers		3006*
Denmark		11061*	101481*	24660*	29488*	Benzylpenicillin-beta-diethylamino ester		21842*
Germany		70179*	79768*	74621*	101661*	Benzylpenicillin potassium		82278
Great Britain			39431	in poultry nutrition		Benzylpenicillin procaine SEE Penicillin		
Netherlands		11007*	60001*	in wine manufacture		G		
Northeastern States			29293	106790*				
Sweden			101453*	Benzaldehyde	5001			
New Zealand			70167	73418	32967			
				Benzalkonium chloride	51464			

\*Text of this reference is not in English.





Item			Item			Item		
Bibliographies--Cont			Bibliographies--Cont			Bibliographies--Cont		
botany--cont			flora--cont			legislation	7734	66721 7755*
illustrations	57470		Spain	36708		Lepidoptera	23816	84156 84157
Morocco	46698*		Sweden	36710		84158	95372	105917 84116*
Sweden	57416*		Switzerland	36716*		livestock	31069*	81899*
Republic of South Africa	46768		USSR	36742		Far East		3329
building legislation	24201*		Yugoslavia	36726		France		61923*
buildings	95966		fluorides effects on plants	58551		Germany		
Cactaceae	36784*		food	108346	33974*	East Germany		3092*
cassava	20356*		food canned	74481*	74483*	Poland		61932*
cattle housing	74202		food contamination	74452		livestock breeding		12468
cellulose	41142		food freeze-drying	6174	74532	location theory		34164
chemicals effects on plants	68611*			84974		logging		30516
chemistry	24365		food irradiation		15478	Loxosceles		105555*
chromatography in plant research			food plants		7737	lumber preservation		30561
	58552		food processing	24527	34164	malanga		20356*
citrus chlorosis	58549		64903 24506*	24511*		malaria	4762	32722 63510
citrus nutritional deficiencies	58549		food study and teaching		84753	marine borers		40834
climate and weather	69425		84760			markets and marketing		24420
condiments	34282		forage plant storage structures		84720	54173 84858	34065*	
conferences and congresses	97783					markets and marketing research		
consumer food preferences	34025		forage plants in Arctic Region		7737	methods		96150
contract farming	7874		foreign trade		57058	mechanization		73960*
cooperation	56884		forest nurseries weed control		61063	meteorology		8516*
cooperative organizations	8182		forest products	21492	30516	mice genetics		82479
108786				102380		milk processing		24990*
cotton	15849		forest protection		12141	mites		83812
cotton culture	48788*		forest weed control		61063	mites and disease	73150	73151
cream frozen	15719		forest wildlife relations		12141	mosquitoes	4762	32722 63510
cybernetics	15016*		forestry	30089	30104		94144	
dairy products marketing	54569		50447 60827	70921	70922	natural resources conservation		
drainage	80613*		102380 102375*					102397
Drosophila genetics	83951		Arctic Region		7737	nickel compounds		68149
Drosophila tumors	73680		France		80826*	oilmeal processing		107777
economic poison toxicity	57179		Germany		30119*	oilseed analysis and composi-		
94031			Poland		87905	tion		107772
economic poisons in food	74452		study and teaching		102397	oilseed processing		107777
economic poisons in water	74452		Formica rufa group		53428*	oilseed products	107771	107778
economics	16535 16537	16551	fruit breeding		1724	olives		90309*
35449 35707*			fruit genetics		1724	ornamental trees		20067*
economics research programs			fruit products		34834	papain		34654
	97555		fungicides		68149	part-time farming		16809*
economy	57058		gall insects		105522	pear breeding		1724
Asia	7622		geography		45638*	pear genetics		1724
China	56014		government		56884	peat and muck soils		29604*
Pakistan	35445		grain		86037*	pectin		34654
Portugal	16536*		growth substances		58552	periodicals	3329 21492	35449
Vietnam	75965 75966		guar diseases		47110	36416 46499	67158	67682
entomology	3329 23698	53156	hay wafers		41228*	86868 109049	35598*	35685*
83119 87905	94657*		history	46652	67648	45317* 108277*	109016*	
equine encephalomyelitis	82440		horticulture		49030	Phoridae		95054*
equipment hazards and safeguards			horticulture equipment		64321*	Pinus radiata		40564
	57179		house designs and specifications		74228	pipeline milking machine sani-		
fats and oils chemistry	107773				98456	tation		15101
fats and oils processing	107777		human ecology			plant breeding research meth-		
24990*			human nutrition	27329	67434	ods		37845
fats and oils products	107773			108915		plant cytology		27635*
feed	6532		humus chemistry		11241	plant diseases	8896	47087*
feed proteins	6538		hydrology		50323	plant ecology	37593	88973
fermentation	24365		insect control biological		4646		98456	
fertilizers	91103		73091*			plant galls		105522
fiber plants	28604*		insect control integrated		4646	plant geography		88973
films	36124 86783	26705*	insect diseases		73091*	Albania		36725*
87451*			insect ecology	37593	98456	Austria		36712*
fish processing	36741		insect parasites		83812	Bulgaria		36751
flax	28604*		insect predators		83812	Czechoslovakia		36700
fleas	52799		insect tumors		73680	Denmark		36691
flood control	29968		insecticide toxicity to man		94031	Finland		36711*
flora			105079			Germany		36727
Africa	17586	17602	insecticides in food		74452	Italy		36737
Albania		36725*	insecticides in water		74452	Netherlands		36732
Azores		36746*	insects	14371*	46698*	New Jersey	36701	57508
Belgium		36719*	insects and disease	73150	73151	Norway		36722
Finland		36711*	international relations		98663	Poland		36735*
France		36713*	iron effects on plants		58549	Spain		36708
Germany		36727	isopods		63901*	Sweden		36710
Great Britain		36714	kenaf		48773	Switzerland		36716*
Greece		36740*	Korean publications in U S Na-			USSR		36742
Iceland		36723	tional Agricultural Library		7796	Yugoslavia		36726
Ireland		36715	laboratory animals		4018	plant nematodes	47596	88948
Italy		36737	land improvement		56671*	plant nucleus		27635*
Japan		68*	land reform	98020	35939*	plant propagation by cuttings		49014
Netherlands		36732	land tenure		98020	plant taxonomy	36691	36700
New Jersey	36701	57508	land utilization	76520	98047	plowing		60560*
Norway		36722		56671*		policies and programs		35413
Poland		36735*	land utilization research pro-			66726		
Portugal		36746*	grams		97555	pollen studies		57478
Rumania	36692	36693*	latex		34654	population migration		56715

\*Text of this reference is not in English.



Item			Item			Item		
Bibliographies--Cont			Bibliographies--Cont			Biology		
potatoes	79682*		wood-destroying fungi	12283**		12684	36383	36387
protein products	106595		wood gluing	102941		46521	67471	78731
public health	67167*		wood identification	51371		108985	17481*	17482*
pulp and paper manufacture	12396		wood specific gravity	51362		58750*	76915*	77115*
21568 21637 40983	41033		wood structure	51371		and agriculture	86835*	98464*
pulp and paper materials	34643		wood waste	81546		conferences and congresses		27368
107516			yams	20356*		87818 94626		
pulp and paper statistical re-			zinc effects on plants	58549		Czechoslovakia		109258
search methods	21563		zoology	53156	81875	dictionaries		36415*
radiation effects on plants	68612*		SEE ALSO Documentation; Reviews			directories	17266	77116
radioactive tracers in entomo-			Biblioporus	73604		molecular		
logical research	33001		Bicarbonates SEE Carbonates			reviews		38345
range management	48809		Bicyclus	95418	5504*	study and teaching	27428	36405
reclamation	11689		Bicyclus campinus		23838*	94653		
recreation	67054		Bicyclus condamini		64230	Biomedical engineering		3251
recreational use of land	67054		Bicyclus dorothea		95397*	Biometry SEE Statistics, methods;		
regional planning	36040	87375	Bicyclus howarthi		5504*	and SUBHEAD research methods,		
research			Bicyclus ignobilis		23839	statistical UNDER specific subjects		
Finland	8520*		Bicyclus similis		5504*	Biomycin SEE Chlortetracycline		
India	77113		Biddulphia		67927	Biophysics		
rice	34883 55288	69425	Bidens	36917 98956	46844*	reviews		38345
86062			78612*			Biopsy	12556 12678	25944
rice periodicals	38680*		Bidens cernua		26868a*	61698	4370*	13363*
root crop harvesting	10304*		Bidens radiata		58834*	cattle	51875	72202
Rotylenchulus reniformis	77944		Bidrin 42730 42782	53021	104971	62294*	92396*	62052*
rubber	86381		Bierbrauer's method		31313*	swine	32435*	52580*
saline soils	60119		Bifluorides SEE Fluorides			93853*		63285*
sawmills	30516		Bifora		101480*	Biota SEE Thuja		
school lunches	27329	67434	Bifusepta n g		17880	Biotechnology	73917	43498*
seeds	8574	55786	Big vein			Biotin		74519
sires	12468		lettuce	58065	77879	effects on Fomes annosus		100358*
Sitophilus oryzae	105657		Bigalkenema namaquensis		32274	effects on Rhizobium japonicum		49812
Sitophilus zeamais	105657		Bignoniaceae		49561	effects on Rosellinia limoniispora		38123
snails	77531*		Bigseed falseflax		38880*	effects on Verticillium albo-atrum		58691
soil freezing and thawing	2114		Bigseed falseflax meal		31208*	effects on yeasts		19236
soil science	49586*		Bigtooth aspen SEE Populus grand-			in dog physiology		14015
soil structure	70468		dentata			in human nutrition		36335
soil surveys	29643 101881		Bile 41370 41860 41975	62238		in wine		74569*
soils	20533 69425	101838*	72824			Biotite		2171
soybean oil	107774	107776	Bilharziellosis SEE Schistosomiasis			Biovetin		91939*
soybean products		107775	Biliary duct		42170	Biovit 71660 62771*	72070*	91939*
soybean proteins	97265	107775	Bilirubin		13399*	Bioxylus		53253
spices		34282	Billbergia		100666*	BiPC SEE m-Chlorophenylcarbamic		
Spodoptera exempta		95381	Binapacryl			acid butinol ester		
statistics		6243	effects on Tetranychus telarius			Biphenyl	34805 65575	65598
straw		107516	fungicide		23024	75342 77716	44618*	85796*
strip-mined areas		70468	mite control	14207 42653	94364	96809*		
sugar	45317*	75864*	residues	105054	25354	Bipolaris SEE Helminthosporium		
sugarcane chemistry		86498	Bindweed SEE Convolvulus			Bipyridine	29207 39547	101489*
sugarcane processing		7514	Bio-acoustics SEE Sound; and SUB-			Bipyridyl SEE Bipyridine		
86498			HEAD hearing UNDER Insects and			Bipyridylum		39435
swine	16181	93907	names of insects; names of ani-			Biraia SEE Bireta (Biraia)		
Takahashi R		83119	mals			Birch SEE Betula		
taro		20356*	Bioassay SEE Assay			Birch leaf miner SEE Fenusa pusilla		
tea propagation by cuttings		29395	Biochemistry	6207 42363	64738	Bird rape		100024
temperature effects on plants		68612*	78986 89156 98423	6173*		anatomy and physiology		48403
termites		83552*	conferences and congresses		8385	100446		
theses	50447 56039	76179	17929			biochemistry	79363	28394*
98692*			Biocides SEE Economic poisons			breeding		79363
ticks and disease	73150	73151	Biodynamics SEE SUBHEADS			culture	20790	48938
tillage	49586*	60560*	management, biological aspects;			fat and oil content		48403
tree growth		51371	plant-animal relations UNDER			fungus diseases		8990
Tsuga heterophylla		91444	Soils			genetics		37873
U S National Agricultural Li-			Bioflavonoids SEE Flavonoids			male-sterile		9560
brary acquisitions	27115	36125	Biogenic stimulators SEE Tissue			virus diseases		83370
U S Tennessee Valley Authority	36040	87375	therapy			situation and outlook		16281*
vegetable products		34834	Bioghurt		74741*	yields		100446
vegetation		88125	Biolase		22562*	Bird vetch		18889*
verbena		57617	Biological clocks	76925	89366	Birds		
vertical integration		7874	ants		14823	and agriculture	46519*	70353*
vesicular exanthema		83087	Apis mellifera		94518	73447*		
vesicular stomatitis		71828	insects	53126	73471	and disease	4726	4733
veterinary medicine	81875	30974*	Clunio marinus		105747*	32734	52481	83273
41348* 61692*			Culicoides		14662	and forestry	50815	50960
veterinary medicine legal as-			plants	920 10075	18933	71359*	83551*	81266
pects	3135		19181 94518	18838*	19217*	as pests	306	17996
veterinary medicine periodicals			Porcellio scaber		53231*	57765	81188	81206
71799			Sitophilus granarius		105609*	81208	2860*	40704*
vinegar	85093*		Biological control SEE SUBHEAD con-			Arkansas		17947
water	80613*		trol, biological UNDER Insects and			Australia		8378
water pollution	74452		names of insects; Weeds; and SUB-			California		236
water supply	50309	49586*	HEAD pest control, biological			322 77510		280
watersheds	50309	4646	UNDER Plants and names of plants			Canada		26986a
weed control biological		1479	Biological products	52267 92096	92086*	China		99241*
wheat		6257*	103232 103345	91934*		Czechoslovakia		77540*
wine			92100*					

\*Text of this reference is not in English.

	Item			Item			Item	
Birds--Cont			Bireta (Biraia) n sgen	5524*		Black poplar SEE Populus nigra		
as pests--cont			Bireta (Blennema) n sgen	5524*		Black quarter SEE Blackleg (animal)		
France	99169*	99241*	Bireta (Curuzza) n sgen	5524*		Black ring		
Germany			Bireta (Cutuza) n sgen	5524*		tomatoes	77899	
East Germany		99241*	Bireta (Dragonera) n sgen	5524*		Black root		
India		17923	Bireta (Honveda) n sgen	5524*		sugar beets	10536	
Mozambique		57754*	Bireta (Innisca) n sgen	5524*		tobacco	37374	
Pacific Northwest	259	37042	Bireta (Liccana) n sgen	5524*		Black root rot		
Utah		81897	Bireta (Midasia) n sgen	5524*		Pinus	9143	
Western States		8917	Bireta (Odnarda) n sgen	5524*		tobacco	68188	
beneficial	21369*	23405*	Bireta (Ogulina) n sgen	5524*		Black rot		
77602*	83199*	83551*	Bireta (Oraura) n sgen	5524*		Cymbidium	10086	
control	27008a	57821	Bireta (Ottachana) n sgen	5524*		grapes	57875	68106
99158	8949*	77498*	Bireta (Palessa) n sgen	5524*		Black rust		
77603*			Bireta (Poncetia) n sgen	5524*		grasses	47388	
Africa		8914	Bireta (Rebita) n sgen	5524*		wheat	18177	47388
California		279	Bireta (Struba) n sgen	5524*		47305*		
France	17968*	57756*	Bireta (Suriga) n sgen	5524*		conferences and congresses	47259**	
	99169*		Bironella confusa	33238		Black scale SEE Saissetia oleae		
Germany	27035a*	37130*	Bironella n g	94879*		Black shank		
legal aspects		57820	Birs process	54282	44100*	tobacco	416	18102
Massachusetts		57839	Biscutella	88321		27250a	37197	27249a
Republic of South Africa		36409	Biserrula	88306		Black soils		
Switzerland		27035a*	Bishydroxycoumarin	32265	82198	China		90837*
insect food	42899	42900	93069			Germany		
73496	73662	105511	N,N'-substituted Bis-(4-hydroximino-	42491*		East Germany	37970*	90986*
32989*	42860*	43266*	formyl-pyridinium) dibromides	92701		Ghana		80166
63819*	63829*	83199*	Bismuth glycolyl arsanilate	14899		India		50096
94541*	94559*		Biston betularia insularia	64182		Japan		11408*
pests	105564	5053*	Bisulfites SEE Sulfites			Mississippi		20685
pest control			Biting midges SEE Ceratopogonidae			Poland		20536*
pests	5087	5111	Bitter almonds SEE Prunus amygdalus			Taiwan		60068*
5631	14004	14461	amara			Black spot		
23673	23959	63844	Bitter-orange oil	107738*		apples	68135	
105564	14428*	14435*	Bitter pit			cauliflower	27161a	
53203*	63850*	63866*	apples	19155	47982	citrus	37263	37278
83786*	84173*	94210*	68730	100461	945*	37280		
95683*	106121*		58696*	89651*		oranges		47281
Australia		53593	Bitter rot			potatoes	20683	55163
Belgium		42914*	apples			Rosa		58669
Brazil	23534*	23535*	Bitter substances	27123a		Black spruce SEE Picea mariana		47216
Bulgaria		64292*	Clerodendron trichotomum	100627*		Black stem		
China		95106*	hops	35385*	65012*	alfalfa		18202
Eastern States		5068	Simarubaceae	28293	89807	sweet clover		8989
Florida		53564	Bitter vetch		89099*	Black swallowtail SEE Papilio polyxenes		
India		53598*	Bitterbrush SEE Purshia			asterias		
Japan		64289	Bitterlich method		80984*	Black turpentine beetle SEE Dendroctonus terebrans		
Malaysia		73508*	Bitterns SEE Brines			Black vine weevil SEE Brachyrhinus		
Mexico		95656	Bitumen	39746*	91277*	sulcatus		
Neotropical Region		33034	Biuret	32207	72783	Black walnut (tree) SEE Juglans nigra		
North America	63853	94694	60745*			Black widow spider SEE Latrodectus		
Poland		95680*	Biuret test	54539*	55454	mactans		
Switzerland		23942*	Bixa orellana		22544	Blackberries		
Uganda		33242	Blabera SEE Blaberus			culture		1812
United Arab Republic		33057	Blaberus craniifer		84190	Canada		19906
Western Hemisphere		53598*	anatomy and physiology	84193	23939*	Georgia		90347
poisoning	42389	42391	cytology	23929	53535	Netherlands		39087*
42421	52693	52739	habits and behavior		84190	New Jersey		49130
SEE ALSO UNDER Repellents			digestion		14911	Oregon		69776
Birdsfoot deervetch			embryos	5579	5580	Texas		19890
anatomy and physiology		27860	enzymes		73859	diseases		57812*
27893	28040	58779	respiration		23938	harvesting equipment		106309
78499*		89261	Blaberus fuscus SEE Blaberus craniifer			pests	73277*	105281*
bacterial diseases		99160	Blaberus giganteus	33487	43328	varieties	49130	90347
biochemistry	19322	69201	Black arm, cotton SEE Angular leafspot, cotton			Blackhead		
100612			Black ash SEE Fraxinus nigra			poultry	13571	41990
breeding		28708	Black blow fly SEE Phormia regina			31930*	93248*	42023
contamination		6564	Black cherry SEE Prunus serotina			resistance		
culture	10468	69508	Black cotton soils	50278	70594	reviews		93198
cytology		100011	Black cutworm SEE Agrotis ipsilon	82304	93633*	turkeys	22657	93188
disease resistance		48869	Black disease			Blackleg (animal)		
ecology		38223*	Black dot			cattle	22184*	31487*
fungus diseases	9028	77647	potatoes	47270		Guinea		103181*
99160	77674*		Black flies SEE Simuliidae			laboratory animals		4011*
genetics	89261	100068	Black gram SEE Mungo bean			sheep	13705*	31487*
harvesting		28619	Black heart			swine		83049
honey plant		29396	bananas	37366		vaccines		13705*
hybrids	19322	89272	Black light SEE Ultraviolet rays			Blackleg (plant)		
morphology		9536	Black locust SEE Robinia pseudoacacia			potatoes	37401	99555
pests		14737	Black medic	101028*		Blackstonia SEE Chlora		
pollination		99160	Black nightshade SEE Solanum nigrum			Blacus	95339	33309*
seeds		9536	Black oak SEE Quercus velutina			Bladder		
weed control	58735*	59368*	Black pod			cattle	92408	51891*
101559	27893	29270	cacao	77722		diseases	12970	13101
yields	10468	28619				72210*	72257*	51898*
Birdsfoot trefoil SEE Birdsfoot						dogs	3781	52014*
deervetch						rabbits		93547
Bireta		5524*						

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.



Item			Item			Item		
Bladder hernia	41608	41339*	Blight--Cont			Blood--Cont		
Bladder prolapse		31257	potatoes SEE Late blight, potatoes			cattle--cont		
Bladder worms	72175 103363	3132*	quinces		439	enzymes	13000	23143 82157
4367*			SEE ALSO kinds of blight			92594	103527	13072* 31268*
Blaesoxipha batilligera	105777*		Blind SEE Handicapped			31284*	31448*	62243* 62279*
Blaesoxipha beaumonti	105777*		Blissinae	84051	84052	92088*	92491*	92574* 92574*
Blaesoxipha berolinensis	73648*		Blissus		105817	groups	12788	12797 12829
Blaesoxipha filipjevi	84002		Blissus leucopterus	273	23096	12939	13118	13119 22164
Blakea	36938		83492			31122	31463	41567 62326
Blaniulidae	53196*	83341*	Blissus leucopterus hirtus		4880	72143	92518	13109* 22018*
Blaniulus guttulatus	52832*	53196*	Blister blight			22224*	31125*	31129* 51677*
83342*			tea	9121	9122	51678*	51679*	51827* 51828*
Blankaartia acuscutellaris	73531		Blister rust			61954*	71916*	71962* 72270*
Blaps	63955*		Pinus	37227	47217	82276*	92234*	92235* 62246
Blaps gibba	94831*		47325*	99435*		hydrogen-ion concentration		62246
Blaps gigas	105608*		Pinus monticola		102619	parasites		62342* 103615*
Blaps lethifera	94831*		Pinus sylvestris		99475	plasma	4350	41675 72269
Blast			Bloat			82249	31314*	
rice	870	8991	cattle	3668	13113	pressure	4361	22195 103618
27210a	37251	38682	51845	82145	82178	31298*		
59216	68180	68192	causes	31382	51918	proteins	3554	51648 62214
77725	90051	99432	12981*			81974	82178	92573 103776
28545*	68147*		control		13092	3617*	12895*	31167* 31352*
sorghum		18699	New Zealand		92460	62287*	62411*	72177* 81953*
Blastacaena n g		53408	prevention		22149	82039*	82176*	92224* 92574*
Blastenia		17881	treatment		31382	103708*		
Blasticidin S	77725	77726	control		74136	serum	22165	31079 32674
Blastocladia		57711*	ruminants		71703*	41580	62191	82167 103691
Blastocladia	1374	89117	reviews		103226	103902	13045*	13723* 31247*
Blastomycetes SEE Yeasts			sheep	4371	13735	31248*	41654*	51850* 51944*
Blastomycosis	31570	31616	32287	4414*	22836*	71687*	103899*	
Blastophaga (Hymenoptera) SEE Blastophagus			causes			tests	13094	22188 3541*
Blastophagus (Coleoptera) SEE Myelo-			swine			3952*	13028*	31469* 31485*
philus			Blood	12551	21818	transfusions		13112* 22326*
Blastophagus psenes	95308	63635*	Acheta domesticus		71756	51822*	62603*	
Blastophagus (Tristaniella) n sgen		95307*	analysis and composition			volume		62444*
Blastothrix	64151		30979	51551	81830	chinchillas		13317
Blastothrix confusa		33344*	30754*	51546*	92055*	Chironomus plumosus		14696*
Blatta orientalis	64259	5573*	103313*			coagulation		103361
43320*			Antheraea pernyi		73455	Diptera		64047
Blattaria SEE Cockroaches			Apis mellifera	32932	73395*	dogs	13219	31555 103957
Blattella germanica			73438*			3890*	52038*	82371*
anatomy and physiology		84200	asses		41839	analysis and composition		13237
95570	14928*		birds		14004	62485	62520	72413 72422
biochemistry		33455	Bombyx mori	105476	83703*	73067	82394	92723 92744
collecting		83504	83704*	83705*		103958	3864*	3872* 12643*
control	4900	105067	analysis and composition		53103	13236*	13282*	31535* 72407*
biological		23122	53109*			72408*	72409*	82366* 92757*
chemical	83198	83510	hydrogen-ion concentration		53110*	92761*	104027*	
tests		73296*	proteins		5029	coagulation		52061* 104031*
Tropics		14243	transfusions		105485*	diseases		82407*
genetics		5592	buffaloes			enzymes		31547*
insecticide resistance	52712	83504	analysis and composition		3646	letting		72371*
83510	83517	105067	41650	62238		parasites		103985
metamorphosis		73875	groups		12979	pressure	62542	72440 92747*
parasites		42532	plasma		103836	proteins	72416	82378 92720
rearing and breeding	13905	83504	serum		41593	3873*	3902*	31582* 41761*
regeneration of parts		73875	Bupalus piniarius		105380*	41779*	72433*	
Blattidae SEE Cockroaches			camels	3200	61807	serum	14017	73067 3788*
Blattisociidae	14454	33034	care and handling		92086*	3861*	3865*	82389* 103972*
Blattisociinae	53197	94699	cats	3803	3824*	transfusions		3803 72367
94752			cattle	13171	22190	82382*		
Blattisocius dentriticus	105556		62254	72992	81989	volume		72371* 82382*
Blattisocius tarsalis	53475		22173*	31413*	41643*	Drosophila	14590	83978 43073*
Blattodea SEE Cockroaches			72258*	83001*	103188*	ducks	42002	52271* 62695*
Blattoidea SEE Cockroaches			analysis and composition		22171	Dysdercus koenigii		95230
Bleaching SEE names of bleaching			22218	31290	41637	enzymes	41274	105147 12594*
agents; and UNDER specific subjects			41685	41693	51674	41305*	81747*	103204*
Bleaching earths	97263*		51871	51913	62226	reviews		81718
Bledius	53276		62415	62426	63152	feed		62768*
Blennema SEE Bireta (Blennema)			72159	72241	72245	fertilizers		80777
Blennosperma	57630	77378	72311	82018	82021	foxes		52070*
Blepharocera separata	23688		82160	86175	92473	Galleria mellonella	33391	73455
Blepharoceridae	23688		103445	103521	103722	73789	106045	
Blepharostoma	17835		103776	103851	103865	geese		31959*
Blidingia	67917		3696*	12643*	12995*	goats	22793	42198 13669*
Blighia sapida			22100*	22223*	31227*	analysis and composition		63152
reviews	10631		31470*	41523*	41648*	72865	82826*	93662*
Blight			51854*	62165*	62287*	chemistry		63071
Abies	99337		70419*	72187*	72268*	coagulation		63057
Acer saccharum	48147		82150*	92437*	92530*	enzymes		104125
apples	439		92554*	92589*	103468*	proteins		82806*
Castanea dentata	18100		103888*			volume		42204
citrus	37500		reviews		3547*	groups	12706*	51599* 52373*
cotton	68240	77852	chemistry		72064*	reviews		71780*
Liquidambar		77527	coagulation		51864*	guinea fowl		62695* 72558*
pears		439	diseases		52077			

\*Text of this reference is not in English.

	Item				Item				Item		
Blood--Cont				Blood--Cont				Blood vessels SEE Circulatory system			
guinea pigs	31729	31731	62254	rats	82505	83176	92947*	103188*	Blossom blight		
62655	72518*			104204*					pears	77861	
horses	13371	12831*	103165*	reindeer					Blossom end rot		
analysis and composition			31680	ruminants	3109	21923	51545		tomatoes	68000	
41832	12643*	31688*	41854*	12649*	30990*				Blosyrosoma n g	73609*	
41855*	82450*	82467*		Samia cynthia ricini	73464	105941*			Blotch		
diseases			22413	serum	12593	53371	3123*		apples	99436	
enzymes	3957	13369	41839	12536*	12749*	51505*	81829*		Blotchy ripening		
104125	13391*	92895*		sheep	13682	22851	31731		tomatoes	69074	
feed			63221*	42181	51845	104635	104657		Blowers	5717	42864
groups	31463	72473	104138	104674	4365*	13669*	13717*		84523*		
22429*	31698*	31699*	72497*	analysis and composition			13736		Germany		
plasma			3958	22788	32227	32261	42217		East Germany	15207*	15208*
proteins	41825	3973*	13384*	52411	52470	63148	72810		parts	43623*	
31671*				72862	82831	82838	82849		Sweden	24012*	
serum		52112	71687*	82859	93668	93670	104645		Blowflies		
tests			3952*	4366*	4405*	32179*	32262*		China		95106*
transfusions	22420	62603*		52419*	63091*	93632*	93636*		control	14002	14008
volume		3958	104117	104658*					73164		14060
insect food	5365	43148	53371	coagulation			32265		Denmark		94095*
73698	94099	83775*	93153*	diseases			13722*		larvae		5302
insects	73473	94629	105538	enzymes	63120	82819	92088*		sterilization		5252
105485*	105941*			groups	13118	32175	42137*		SEE ALSO Calliphoridae; Sarcophagi-		
laboratory animals		31734	92947*	93669*					dae		
Locusta migratoria			73868	letting		72810	82832		Blue comb		62924
man			6424	plasma	4350	13698	41675		Blue mold tobacco SEE Downy mildew,		
Melanoplus differentialis			14908	52454					tobacco		
Melolontha melolontha			73455	pressure			4361		Blue spruce SEE Picea pungens		
minks	13314	52077	104076	proteins	4357	82769	32247*		Blue stain		
3928*	22381*			72851*					Picea abies		21453*
mules			3951	serum	4402	32674	42205		Pinus	21453*	40852*
Oncopeltus fasciatus			84037	32223*	63119*				Blueberries		
Periplaneta americana			33474	transfusions			93698*		anatomy and physiology		899
5586*				substitutes			51498*		900	38209	38486
Phormia regina			73657	swine	72992	82979	104861		care and handling		49103
Piesma quadratum			94337*	13873*	63240*	93835*			containers		65562
Porcellio dilatatus			23558	analysis and composition			32381		contamination		107303
pigeons			82505	32443	32476	52534	63246		culture	39076	69805
plasma	21652	61723	30935*	63309	72982	82910	83007		101203	101216*	79498
31014*				83011	83095	93780	4472*		diseases		68074
poultry	32015	52272	93280	13864*	13867*	32447*	32480*		drying		85830
104315	4221*	62822*	72558*	42286*	52599*	52626*	63232*		for processing	25442	85830
analysis and composition			4055	83088*	93862*	104900*			fungus diseases		99506
4134	4206	13481	31841	chemistry			22950*		genetics	27658	27690
31927	41994	52155	52277	coagulation			72959		grading and standardization		25442
62794	62830	62886	72629	enzymes	32502	52618	22997*		harvesting	38209	49103
82715	93071	104409	104422	groups	13853	52496	52505		industry	6725	25315
4302*	13522*	31958*	32020*	52516	63235	82897	4476*		keeping quality		6837
52265*	72666*	93170*	93308*	13754*	63271*	82883*	82965*		male-sterile		27658
diseases			13571	104765*					marketing		107284
enzymes	4123	4249	13437	letting			63287*		morphology		27658
22686	42036	104365	72633*	proteins	52579	83055	104860		nematodes		37536
72634*	72635*			104890	4548*	22879*	32474*		packed		6837
groups	4043	13434	31889	32549*	83015*	83088*			pest control	68074	107303
4048*	31752*	31772*	93225*	serum	4589	4607	22962		pests	42654	42708
104341*				32517*	52588*	63283*	71687*		pollen		100530
reviews			93190	tests		83040	42306*		pollination	14301	32930
hydrogen-ion concentration			62861*	transfusions		22891*	30935*		products	44723	54943
31764*	93271*			vitamins			52553		propagation		49111*
parasites			104331	volume			13852		pruning		28899
plasma	4192	41995	93352	tests	41277	30885*	41271*		quality		38209
104353				transfusions	3141	61718	12644*		soils		80088
pressure	4206	13495	22647	12706*	12737*	103161*	103165*		spraying and dusting		47057
22648	93281			turkeys	22672	62830	62784		statistics	34844	107419
proteins	4241	42036	42063	13430*					storage		6837
52260	72643	93029	107830	Vesputia			32932		varieties	19868*	101216*
42008*	42022*			viscosity		30882*	81742*		virus diseases	9228	47521
serum	31944	62894	72609	SEE ALSO Erythrocytes; Hemoglobin;					99648		
52258*				Leucocytes					weed control		29149
tests		62783	62784	Blood glue			102942		yields	28899	69805
transfusions		4037	82547	Blood meal					Blueberry juice	54943	55148
13430*	62695*			feed	44418	80777	25081*		Blueberry maggot SEE Rhagoletis pom-		
vitamins		41914	41960	34493*	41204*	71624*			nella.		
proteins	53371	51510*	61902*	fertilizers			102368		Blueberry wine		54943
63800*	92010*	92065*	103204*	insects, ticks SEE Blood, insect					Bluegrass SEE Poa		
Pseudaleia separata	105945*	106007*		Blood-sucking insects			14064		Blueprints		30259
rabbits	104538	22736*	52346*	anatomy and physiology			33225		Bluestem SEE Andropogon		
93546*	103188*	104533*	104539*	and disease			42528*		Bluetongue		
analysis and composition			32159	Argentina			105088*		cattle		82827*
72413	82715	93537	93555	control		14079	94040*		goats		104707
22732*	72187*	82718*		hosts		5335	5365		sheep	14009	32294
enzymes			4302	Japan			52792		104684	104707	104724
proteins	32152*	32153*	82710*	nutrition	43148		95153*		virus	4424	14009
104544*				overwintering			33153		Blyxa echinosperma		98931
serum	13617	42051	32154*	rearing and breeding			105120		Boars		
51850*	93552*			tagging			33166		anatomy and physiology		22893
tests			93542*	USSR			14708*		52514	72906	22890*
				Venezuela			83257				

\*Text of this reference is not in English.



	Item				Item				Item		
Boars--Cont				Bombus--Cont				Bombyx mori--Cont			
and heredity	4456	52527	72912	as pollinators	13934	13950	13957	feeding habits			73456
97121*				13980	13981	14303	14305	genetics	53121	58424	94619
care			32323*	14328	32583	32940	42413	5024*	32982*	42837*	83687*
diseases	4477	4464*	13755*	73045	4955*	73095*	93988*	83689*	83721*	105485*	105497*
104760*				biology			93988*	habits and behavior	53105*		53106*
feeding and nutrition	52514	22880*		communication			63769*	83700*	83710*	94603*	93613*
22890*				diseases			33340	105492*			
fertility	52504	4479*	22880*	feeding habits			23795*	hybridization			42835*
22885*	31085*	42229*	42232*	Finland			105873*	larvae	23495	83684*	83709*
52521*	72903*	93742*	104757*	host plant relations			53443	83710*			
104760*				identification	95313	105873*		anatomy and physiology			83694
growth	82900	82901		nutrition		23795*		5025*	42845*	83689*	83711*
records and testing	4473	4481		protective devices		63769*		94594*	94599*	105499*	
Argentina		32314*		rearing and breeding	13938	13953		biochemistry		43837*	83712*
Denmark		93735*		14305	73095*			chemoreception			23487
France		22875*		Sweden			95276*	development			94610
Netherlands		4479*		Bombus alpinus			95330	metabolism			23483
Poland	72917*	97121*		Bombus consobrinus			53443	molting			23484
Sweden		63182*		Bombus hypnorum	23795*		33338*	larval cases			83713*
selection	52527	42230*	52503*	Bombus pratorum			33350	metabolism			5023
72901*	72903*			Bombus sorocensis			33350	molting		5020	83694
Boats		2934		Bombycidae	83701*		84153*	mortality			94620*
Bocundostethus n g		73723		Bombycol	32976	23492*		nutrition	5518	53103	73456
Bodo		17842		Bombyliidae				73458	5017*	42838*	42840*
Body fluids	3126	3298*	12463*	Africa			14596	42845*	53095*	53099*	53102*
Bombyx mori	14341	53119		Albania			83954*	53115*	53122*	83688*	83692*
cattle		62190		as pollinators			14683	94588*	94589*	94594*	94599*
dogs		3840*		Asia			95083*	94600*	94606*	94608*	94614*
goats		52458		Burundi	5263*		14614*	94621*	105489*	105494*	
poultry	82543	93271*		China			95081*	overwintering			42843*
ruminants	12694	52458		Far East			95083*	parasites			5018
sheep	4358*	93627*		Greece			73679*	pests			23091
swine	52649	83080		Nearctic Region			83969	poisoning	105478	53107*	63799*
Body louse SEE Pediculus humanus hu-				North America			53347	94622*			
manus				USSR			53366*	predators			83685*
Boehmeria		68531		Bombylius			14596	pupae	5020	14334	14336
Boerhaavia verticillata		9481		Bombyx disparata			14902	105483	32977*	73454*	83691*
Boerhaavia SEE Boerhaavia				Bombyx mandarina	42835*		53097*	94602*			
Bogs		93791*		Bombyx mori				races	63797*	63798*	72457*
Canada	5090	64102	77472	age	83710*		94613*	83710*	105482*	105490*	
Colorado		572		anatomy and physiology			14342	rearing and breeding		42838*	53110*
Connecticut		5526		32984	42839	42841	42842	73459*	83718*		
ecology	58187*	68339*	88959*	42844	73461	23488*	23489*	Italy	53095*	63801*	63806*
Estonia		101864*		23492*	23493*	32982*	53096*	83688*	94589*	105481*	
Finland		68470*		53109---	53111*	83682*	83703*	Japan	23485*	53113*	53116*
Great Britain		5616		83706*	94587*	94602*	94604*	63797*	63803*	94612*	
Ireland		19609		105482*	105495*			Poland			83687*
Lithuania		37550*		as feed			73454*	reproduction			42825*
Minnesota		9326		biochemistry		5027	5029	silk production		23494	53102*
New York		99020		14341	23494	32976	32981	73450*			
USSR	9335*	37456*	39856*	42839	94609	105491	105493	smell			53104*
58135*	101875*			32980*	42843*	42846*	53103*	sterilization			42842
Washington		46723		53119*	63800*	73462*	73463*	taste			83710*
SEE ALSO Marshes; Peat bogs;				83708*	83713*	94611*	94616*	taxonomy			5021*
Swamps				105496*				Thailand			83707*
Bokkhara clover SEE White sweetclover				chemoreception			5024*	water relations	23489*		73465*
Bolanthus		98905*		cocoons	14339	53112*	53123*	weight and measurement			53103
Bolbitis	17820	37658	57674	63798*	73457*	83689*	83695*	53117*			
88429	89137			94597*	94620*			SEE ALSO Sericulture			
Bolbomyia		95009		cytology	42842	53114*	83704*	Bombyx mori fuscata			53097*
Boldia n g		99030		83705*	105487*			Bombyx mori mandarina SEE Bombyx			
Boldia erythrosiphon		99961		development	53117*	73459*	83690*	mandarina			
Bolen test		31546*		diapause	14334	5030*	23493*	Bombyx mori mori			53097*
Boletaceae	8849*	88519*	99128*	83690*	105490*			Bonatea			88398
Boletellus		57719*		digestion	105478	83693*	83699*	Bone fat	15788*	22122*	25990*
Boletus	47018	49549*	57720*	105499*				Bone marrow			61698
Boletus aeruginascens		47005*		diseases	32975	53093	53098	cats			13300
Boletus fechtneri		47022*		94601	105476	105477	105480	cattle	62419	103691	103823
Boletus fuscroseus		47023*		105483	105484	105488	5022*	72221*			
Boletus radicans		47024*		63804*	63805*	83683*	83695*	dogs	31549	52009*	82366*
Boliden salts		39403		83698*	83714*	83716*	83717*	92697*			
Bolitophilidae		23689		94586*	94593*	94596*	94617*	guinea pigs			52140
Boll rot				94618*				poultry			62822*
cotton	70788	99362		control	105479	23479*	23486*	sheep	72810	104730	
Boll weevil SEE Anthonomus grandis				83719*	94595*			Bonemeal			
Bollworm SEE Heliothis zea				induced	23496	83720	94598	bacteria			85530
Boloria selene		106020		53100*	83684*	83715*		feed	3519	21779	22046
Bolyphantes alticeps		14452*		Japan			94590*	51748	62097	72577	34506*
Bombacopsis glabra		107698		eggs	5019	32979	5030*	104787*			
Bombardia	36976	88503		42843*	53101*	53113*	53117*	Bones	3227	3122*	51594*
Bombax		68553*		53118*	53120*	63802*	73452*	analysis and composition			81788
Bombax oleagineum oil		7250		83681*	83690*	83701*	105490*	camels			92051
Bombidae SEE Bombus				embryos	42844	5030*	105487*	cats			13303*
Bombinae SEE Bombus				105499*				cattle	31092	3393*	31088*
Bombus				enzymes	5019	14338	32984	41609*	92214*		
anatomy and physiology		5474*		94607	83693*	83721*		analysis and composition			62321
as parasites		95276*		fecundity			94594*	22222*	31307*	92468*	
								dislocation		62355	72204

\*Text of this reference is not in English.

	Item			Item			Item	
Bones--Cont			Boron--Cont			Bostrychogyna		84149*
diseases	92022	81883*	effects on barley	68968	28109*	Boswellia serrata		12401
dogs	3823 103981	82363*	effects on beans		69145*	Bot flies SEE Oestridae		
diseases	3793	3808*	effects on Betula pendula		38149	Botanic gardens	77194	57427*
62546*	92739*		48159			77211*	77219*	88182*
dislocation		3868	effects on buckwheat		19026*	associations		17519
31574	104025	104018*	effects on carrots		68831*	Australia	1	88109
grafting			effects on citrus		18866	Brazil		77212*
horses	92908	3983*	effects on cotton		100318*	California	8618	17534
92913*			effects on einkorn		830	77136	77138	77193
diseases		22443	effects on field crops		1240*	88190		
dislocation		92920*	effects on flax		28110*	Canada		88133
poultry	4124	13459	effects on grapes	58753*	77928*	directories		17520
62877	93161	13438*	89406*			France		98758*
41965*			effects on Grevillea robusta		10114	Georgia		8582
analysis and composition		41920	effects on olives		38330*	Great Britain	46702	46780
41996	41998	93096	effects on peanuts		48038	history	77162	98758*
diseases		62795	effects on peas		48221	Hungary		88196*
ruminants		51553*	effects on plants	48197*	78525*	Indonesia	47	17541*
sheep	22850	104639	78772* 100133*			Italy	8557*	77127*
analysis and composition		32235*	effects on Salvia		89342	Michigan		44
32292*	32293*	72807*	effects on sugar beets		48294*	Monaco		46724*
72878*	82808*		48505*			Netherlands	46855*	46856*
swine	42310	63250	effects on sunflowers	78455	79008*	New York		67698
32471*	63245*		100438*			New Zealand	17523	17524
turkeys		22572	effects on tobacco	78445	58700*	17538	67678	
SEE ALSO Skeleton; and names of			fertilizers	40365*	49973*	North Carolina		36633
bones			80276* 101728*			Pennsylvania		41
Bongardia chrysogonum		69311*	alfalfa	101940*	101969*	Poland		36686*
Bonsai	79583	90384	Bulgaria		29768*	Republic of South Africa		8595
Bonuses SEE Incentives			clover		49954*	36668	39304	57457
Bookkeeping SEE Accounting			corn		2369	Singapore		46765
Books for farmers	56892	46118*	cotton	60413	60432	South Carolina		26767a
87412*	97774*		fruit	2418*	80395*	Spain		46724*
Boophane		26837a	grapes		20702*	Sweden		17691*
Boophilus annulatus	52798	83238	potatoes		11463*	Switzerland		26748a*
83246	83247		sugar beets		50063*	USSR	8588*	49870*
Boophilus annulatus microplus		4729	vegetables		70500	SEE ALSO names of botanic gardens		
63494*			in alfalfa		78477*	Botanists		99909
and disease		52798	in corn	48003	58397	associations		67736
control		63443	in plant nutrition	1228	9908	directories	9445	30140*
Argentina		73165*	48072	78561	18816*	France		8563*
chemical	83238	83246	58791*			Germany		26792
Malagasy Republic		13979*	in plants	1273	27813*	South Carolina		26788a
policies and programs		23174	in radishes		100382*	49	18901	46764
insecticide resistance		52814	in soils	101696	101726	26803a	36672	46764
105050	13979*		Canada		101775	88116	88123	98768
populations		105050	Germany		11247*	67677*	77142*	77233*
reproduction	32725	83246	India		39749	67690**	67691**	88185*
Boophilus fallax SEE Boophilus annulatus			Indonesia		896	Argentina		77195*
microplus			Netherlands		11267*	associations	58493	77197
Boophilus microplus SEE Boophilus annulatus microplus			Poland	29509*	49693*	Finland		17556*
Booponus borealis	83981*	94195*	Rumania		101780*	Germany		8562*
Boraginaceae	26809a	59091*	Spain		29495*	Norway		67734*
67863*		67862*	Sweden		101728*	Sweden		57499*
Boraginaceae oil		107735	Yugoslavia		29727*	Switzerland	98711*	98712*
Borassus flabellifer		99119	in sunflowers		69124	bibliographies		
Borates		18365	in trees		50762*	China		7805
Borax		107741*	wood preservatives		61358	Denmark		8583*
effects on plant disease		9029	Boronia		36770	Finland		88201*
effects on sugar beets		38212*	Borrelia crocidurae		42938	Morocco		46698*
in wood preservation		91693*	Borrelia crocidurae group		4711*	Republic of South Africa		46768
toxicity		69021	Borrelia duttoni		73518*	Sweden	57416*	67708*
waste		49973*	Borrelia tillae		14082*	Caribbean Region		46759
Borbo borbonica morella		105920*	Borrelinavirus alpicolae	105919		conferences and congresses		88119
Borbo gemella		105920*	Borrelinavirus galleria	33391		dictionaries		98707*
Borbonia		93	Borreria verticillata	70119		equipment	40	1003
Borboridae	73620*	73672*	Borszczowia		57567*	1133	17495	17531
Bordeaux mixture	9100	47230	Borzicactus		77394*	17539	17564	18444
47444	430*	27157a*	Borzicactus madisoniorum		46762	26749a	26782a	26793a
37390*		27257a*	Boschniakia himalaica		735	36622	36631	36637
Bordetella bronchiseptica		82993	Boschniakia tuberosa		735	36680	38001	38273
104904	104924		Boscia albitrunca		59686	38844	46718	46721
Boreidae		5635*	Bostrichidae			47628	48412	63814
Borelli's method		93814*	Africa		43037*	67739	67748	67753
Boreus bey-bienkoi n sp		5635*	biology		53259	68853	69141	77140
Boric acid	31719	27812*	dissemination		63975	78319	88160	88166
Boriomyia	5620	73886	geographic distribution		43037*	98708	98740--	98743
Borna disease	13419*	22472*	Germany		63718*	98785	98798	98801
Borneacridinae		106085	habits and behavior	63975	73597	105073	17544*	26762a*
Borneodendron n g		142	India	43020	43021	26784*	57418*	67728*
Borneonina n g		83784	73598			67749*	68674*	69009*
Bornetina		622	Indonesia		53259	77183*	77216*	77241*
Borocera		14903*	Madeira Islands		83860*	89378*	98769*	
Borohydrides	12388	25281	taxonomy		53281	explorations	77215	77344
Boron		81511	Bostrychia		1147*	88127	77132*	77144*
effects on apples	47988	89363	Bostrychia radicans		18459*	Afghanistan		77210*
89409	99659		Bostrychidae SEE Bostrichidae			Africa	61	26754a
						26777a	26746a*	26768a

\*Text of this reference is not in English.



Item				Item				Item			
Botany--Cont				Botany--Cont				Botrytis cinerea--Cont			
explorations--cont				taxonomy--cont				flax			
Amazon Basin			77305	36700	36704	36707	36717	grapes	24691	57927*	424*
Angola	26779a	26780a	26798a*	37606	46811	48590	57515	74624*	77713*		57957*
Antarctic Region			36623*	57527	67776	67788	69328	strawberries		77762	77693*
Australia			77170	77194	77243	77265	77277	88719*	88766*	88791*	
California			67743	77278	77293	88225	88226	sugar beets		37376*	47406*
Cape Verde Islands			26747a*	88246	98819	98821	98823	Botrytis fabae	9829	37318	77660
Chile			17514	98830	62*	69*	8699*	68157*	77827*		
conferences and congresses			77232	17573*	17579*	17624*	17626*	Botrytis gladiolorum			57955
Congo			26795a*	26807a*	26815a*	26816a*	26832a*	Botrytis parasitica	47410*		48466*
Cuba			57591	28383*	36610*	36754*	46804*	Botrytis squamosa			57947*
Gulf of Guinea			26759a	46808*	47801*	57488*	57506*	Botrytis tulipae SEE Botrytis parasitica			
India	17552		77180	57517*	57529*	57614*	58364*	Botrytis vulgaris			89637*
Iran			26830a	59055*	67677*	67778*	67792*	Bottles SEE SUBHEADS bottling;			
Kenya			26764a	67793*	67796*	67884*	77279*	containers UNDER specific subjects			
Latin America			77189	77289*	77327*	78266*	78309*	Botulism			81784*
Lebanon			36681	88239*				birds			94132
Malagasy Republic			26769a	conferences and congresses			17598	cattle	72172	92414	92556
Malawi			26805a	36702	88244			dogs			13263
Malaysia			26873a	research methods				horses			3970
Mediterranean area			77154	statistical			36745*	man	6107	24460	44035
77238				techniques	42	897	1008	84933	106647	54226*	106654*
Mexico	17507	88301*		1305	8548	8586	8596	minks			22383
Mozambique	26781a	26761a*		8633	9342	9496	9638	mules			104139
Nepal		83*		17521	17525	18513	18633	swine			83048
North America		98762		18894	18960	26785a	26802a	Bougainvillea	19210	19393	29004
Northern Rhodesia		26804a		26810a	27693	28296	37307	47202	69887		
26805a				38006	38113	38273	46696	Bougainvillea glabra		420	58688
Pacific area		77127*		46713	46738	46751	47787	48522*			
Pakistan		38		48192	48560	57429	57451	Bougainvillea spectabilis			48522*
Peru	88212	13*	17512*	63814	67763	67771	68522	Boulton separator			44735*
South America	77351	88137		68897	77143	77156	78089	Bouteloua			57563
98719*				78114	78837	88114	88150	Bouteloua curtipendula	10476		19436
Southern Rhodesia		26805a		89785	98708	98725	98733	37705	57563	66145	
Spain		26796a		98760	98780	98781	98805	Bouteloua eriopoda		28262	58937
Swaziland		17536		99745	99788	99857	99929	Bouteloua gracilis		1234	19436
Tanganyika		26764a		100254	11*	9416*	9710*	Boutonneuse fever			52785*
Thailand		77228		19160*	27898*	28192*	36648*	Bovicola			14040
Tropics		98765		36663*	38220*	38385*	38651*	Bovicola bovis		4739	52811
Turkey	22	57466		46771*	47958*	48050*	57418*	Bovicola equi			5623*
Uganda		26764a		57419*	57450*	77225*	77234*	Bovicola ovis			14039
USSR		8580*		78449*	78948*	88134*	88138*	Bovienema n g			5186
Venezuela		98879		88192*	98769*	98779*	100718*	Bovine epizootic fever			3594*
Zanzibar		26764a		terminology			8612	Bovine papular stomatitis			13007
Galapagos Islands		77231		11158*	17563*	36641*	57488*	Bovistella echinella			17891*
Germany		77168*		67767*	98707*			Bowdichia nitida			12462*
history	8550	67732		Tropics			26831a	Bowiea volubilis			39632*
57487*	98718*			USSR	77230	37*	67793*	Boxelder bug SEE Leptocoris trivittatus			
India				Venezuela		88139		Boxes		71469	51227*
South Carolina				SEE ALSO Astrobotany; Ethnobotany;				Boxwood SEE Buxus			
USSR		57526*		Flora; Paleobotany; Plants; Vegeta-				Boyania n g			88345
India	8559	88136		tion				Boydaia			42915*
New Zealand				Bothriochloa	1586	27489a	37852	Boysdaia loxiae			14428*
nomenclature		8651		47743	90141			Boysenberries		37297	55173
17576	17592	17617		Bothriochloa pertusa		26848a		Brabant mastitis reaction		31378*	51932*
17626	36704	36717		Bothriochloinae		749		Brachiaria mutica		22096	71665
67781	67798	77265		Bothriuridae		94774*	105553*	92331			
77278	77293	83729		Bothriurus		94774*		Brachiaria plantaginea			29267*
98829	26799a*	36754*		Bothriurus (Andibothriurus) n sgen				Brachinus		23582*	73556*
77286*	77289*	98860*				105554*		Brachycara			83957
research methods				Bothriurus (Bothriurus)		105554*		Brachycaudus			73724*
statistical				Bothriurus candido		105553*		Brachycaudus (Brevicaudus) n sgen			
38106	46738	19191*	67755*	Bothriurus (Transbothriurus)		105554*					73724*
78471*				Bothynoderes punctiventris SEE Cleonus				Brachycaudus aconiti			84054
reviews			46715*	punctiventris				Brachycaudus helichrysi SEE Anuraphis			
South Carolina			26791a	Bothynus gibbosus		14533		helichrysi			84222
study and teaching	8569		26831a	Botrychium lunaria		77429*		Brachycentrus americanus			23372
27428a	46735	46746	67709	Botrydiopsis		99133*		Brachycerus			18518
67730	77160	78108	88121	Botryodiplodia ananassae		9671		Brachycome ciliaris			94992
94653	98724	98789	98791	68697				Brachyderinae			33212
California			67773	Botryosphaeria ribis	37346	88713		Brachydeutera			23585*
China			67792*	Botryosphaeria tsugae		88512		Brachygluta			84084
France			30140*	Botrytis		67961*		Brachymeria			105603*
Germany			26794a*	Allium		77715*		Brachyrhinus			19175*
Maine			67693	grapes	37311*	57908*		Brachypodium pinnatum			94390*
Netherlands			8605*	morphology		78140*		Brachyrhinus ligustici	83323*		94325*
USSR			67711*	ornamental plants		37323		Brachyrhinus sulcatus			14172
Sweden			57500*	Botrytis alli	27136a	37232		Brachyscelidiphagini			14835
taxonomy	59	73	75	Botrytis cinerea		16013		Brachysilidius			73610*
1335	8642	8650	10154	37318	57934	57935		Brachysiphon			26836a
17549	17554	17559	17575	88730	99447	107330		Brachysporium			46977*
17583	17591	17593	17594	57918*	57946*	88778*		Brachystegia			102963*
17601	17605---	17607	17609	biochemistry				Brachysternum			73522
17613	17622	17627	17628	cabbage	68199	368*		Brachythecium			8796
17631	17828	19267	19295	68198*	99479*			Brachythecium frigidum			58234
19311	19325	19421	19426	Chrysanthemum		57955					
26813a	26831a	36691	36696-	citrus		77648*					
				Eucalyptus		18167*					





Item				Item				Item			
Brewing--Cont				Broadbeans--Cont				Bromus inermis--Cont			
Germany	64958	6288*	64967*	pollination			73039*	genetics			89267
64971*	64991*	64998*	65004*	proteins	9471	1364*	32344*	germination			48317
65013*	85153*	85173*	96298*	quality			76039*	morphology			37770*
96299*	96307*	106787*	106857*	seeds	78903	28061*	31856*	proteins			47985
106859*				73039*				seeds			90160
industry	64956	106853	54436*	treatment		68083*	68884*	varieties			10478
96268*	96326*			viability			68687*	yields			50159
Japan			64954*	varieties	10901*	48870*	59788*	Bromus japonicus			47278
Netherlands			96292*	virus diseases		47511	73235	Bromus pumellianus			37814
research programs		65003	85137*	58098*				Bromus secalinus			70170*
106786*				weed control	39480	70064	60000*	Bromus tectorum			
reviews		6307	85114	yields	58869	11513*	70542*	anatomy and physiology			27960
Rumania			96281*	70625*	73039*			control	29329	39520	79797
situation and outlook			6265*	Broccoli				Oregon			20324
statistics			106853	anatomy and physiology			1269	pests			64132
study and teaching		74575*	106856*	38243				planting			27960
USSR			74670*	breeding			20116*	reviews			69555
water supply		64969*	96268*	cooked			44596	Bronchi			3517
SEE ALSO Beer; Wort				culture		49348	49308*	Bronchitis			
Breynia rhamnoides			89924	fungus diseases		27105a	99339	horses			41834*
Bricks		56678*	95967*	marketing			85783*	poultry		22557	62828
Bridelia micrantha			36910*	pest control		23218	83293	72587*			
Bridges	51194	91710	102938	prices			85783*	causes			13534*
21423*				processing		38243	107369	Colombia			42013*
Brigalow SEE Acacia harpophylla				properties			44596	diagnosis	62860	13477*	31883*
Brilliant Yellow			11249*	research methods				Germany		13477*	32008*
Brine	6851	35111	35395*	statistical			44596	immunization		62859*	72600*
bacteria	45026	45378	25848*	soils			1269	82589*			
75627*				storage			6860	resistance			62936*
fertilizers			60747	varieties		20115*	49308*	virus	4133	42018	62934
in food industry		26386	65632	Brodiaea			39280	104313	104446	42013*	104321*
in meat industry		35101*	107674*	Bromegrass SEE Bromus				Bronchopneumonia			
in textile industry			75146	Bromelia		88345		cattle	22145*	62206*	92507*
microorganisms			107251*	Bromeliaceae				swine	13829	82993	4583*
Brinjal SEE Eggplant				forcing			79572*	72978*			
Brisket disease		12932	12934	germination		89412	48210*	SEE ALSO Lungworms			
82155	82299			identification			36900	Brontispa			73572
Bristlegrass SEE Setaria				morphology			99864*	Broders			
Brithysana n g			5560*	Peru		88393*	88395*	heating			95789
Briza			17655*	taxonomy		8748	46909	poultry	33614	43505	54050
Broad mite SEE Hemitarsonemus latus				varieties	10759	10842	90473	62955	104488	93489*	
Broadbeans				Bromides	24852	74666	96612	heating	74008	64392*	95793*
anatomy and physiology			9688	Bromine	12432	34696	45116*	95798*			
10142	18963	19056	27934	Bromo-butene			83511	humidity			33632*
27935	58690	58869	59026	2-Bromo-2-chloro-1,1,1-trifluoroethane			52018*	sanitation			84382
69112	78529	1007*	1028*	3831	92717	31690*		temperature		33632*	
11513*	19000*	19017*	27969*	52096*				turkeys			96005
27992*	48116*	68803*	68842*	Bromodan			63563	Broom SEE Cytisus			
69053*	78831*	89364*	89398*	5-Bromodeoxyuridine		89102	89820	Broomcorn	10331	55780	49405*
89563*	100365*	100427*		alpha-Bromonaphthalene			8628	Broomella			8872
biochemistry		28344	38614	Bromophenol blue			99911*	Broomrape SEE Orobanche			
59018	69179	79003	89820	p-Bromophenyl isothiocyanate			41697*	Broomweed SEE Gutierrezia dracuncu-			
100585	100703	1364*	10161*	62317*				lodes			
10215*	28406*	69272*		N-Bromosuccinimide		25882*	35000*	Brosimum			91755*
breeding			79295*	Bromothymol blue			69165*	Brotolomia meticulosa			83484*
color			27750*	5-Bromouracil		18904	106095*	Broussonetia papyrifera			102964
costs and returns			108535*	Bromus				Brown-banded cockroach SEE Supella			
culture	19594*	39336*	79267*	anatomy and physiology			89758	supellectilium			
79270*	90566*			culture			79265	Brown coal SEE Lignite			
cytology	685	741	8586	cytology			743	Brown dog tick SEE Rhipicephalus			
9454	9471	9511	9529	disease resistance			99284	sanguineus			
27496a	27517a	27646	37626	fertilizers			2335	Brown Forest soils			60170
37627	37644	37695	58225	fungus diseases		99284	47409*	Bulgaria	49888*	70328*	101841*
58277	68454	78101	37725*	identification			57631	101867*			
47774*	78166*	99901*		morphology			99947	France			70429*
diseases			68083*	nutritive value		3483	12897	Hungary	50076*	70278*	80162*
enzymes			15929	pests			14566	Poland			2296*
feed	93758	31856*	32344*	pollination			100282	Rumania			90879*
82115*				seeds			57631	USSR		49862	81002
fertilizers	70358*	70542*	70625*	virus diseases		18276	18286	Brown-Podzol soils		14821	2323*
for processing		39336*	90566*	88894	99581	99650		101842*			
fungus diseases		18189	37318	yields			2335	Brown root rot			68162
77827*				Bromus carinatus		122	10470	tomatoes			
control	77660	68156*	68157*	17717*				Brown rot			
68231*				Bromus inermis				apricots			27128a
genetics	37826	78248	100045	analysis and composition			25092	cherries			47261
9611*	18719*	27750*	37824*	3074*				citrus		9070	47337
germination	28061*	68687*	68884*	anatomy and physiology			17926	potatoes			37407
grading and standardization			90566*	47985	48417	78672	78600*	Brown rust			
hybrids			768*	bacterial diseases			77771	wheat			9173
nutritional deficiencies	27875	58690		control			79783	Brown soils			
pests	23271	73235	84029	culture		69605	78600*	Africa			49840
73718*				cytology		47744	89267	Australia	48837	70605	102190
plant parasites		58690		disease resistance		17926	88729	California			11402
planting date		58869		fertilizers	29736	48317	50159	Canada		20521	79775
planting equipment		5754*		fungus diseases		77771	88729	China			91001*
				99419				Germany	11540*	39849*	40330*
								East Germany			48389*

\*Text of this reference is not in English.

	Item				Item				Item		
Brown soils--Cont				Brucellosis--Cont				Brucellosis--Cont			
Idaho			11395	cattle--cont				swine--cont			
New Zealand			10445	eradication	31295	72242		Japan			82958
Poland	11407*	60084*	80053*					Poland			61903*
	80054*	80194*	90858*		62239*			transmission	61830	103342	
Rumania			102220*	Australia		13078			14069*	21902*	41355*
Tropics			49883	Bulgaria		31273*		USSR			103283
USSR			49714*	Canada		92481		vaccines	3211	22821	42188
Brown spot				Finland		62253*			62163	62252	72856
corn		9599	18773	North Dakota		51904			92962	3129*	12687*
mandarin oranges			57941	Northern Ireland		22206			31467*	62155*	63078*
Pinus palustris		99322	99499	Sweden		22146			82229*	82231*	82307*
Brown stem rot				France		31294*			103840*		82850*
soybeans			337	Germany				wildlife			
Brown-tail moth SEE Nygmia phaeor-				East Germany		82277*		Bruchelidae SEE Anthribidae			
rhoea				immunization	51939	62362		Bruchidae			
Brown tip					82278	31467*	31487*	anatomy and physiology		33106	
Cymbopogon citratus			10027		62155*	62180*	62423*	as pests	42619*	105208*	
Cymbopogon nardus			10027		82225*	82228*	82229*	color		83865*	
Gladiolus			8932		82307*	92411*	103614*	control		14226	83513
Brown wheat mite SEE Petrobia latens				India		3231		Madeira Islands		83859*	
Browse				Italy		13122*		parasites	53292	105890	
	81195	28118	30465	Pakistan		62259		taxonomy	14528	83865*	
		81680	102831	prevention	22144*	31431*		Bruchidius		14566	105890
Argentina			21756*		41571*	82225*		Bruchidius ater		14566	105890
California			91635	resistance				Bruchidius obtectus SEE Acanthoscelides			
Canada			61251	Rumania		31330		obtectus			
Czechoslovakia			21366*	South America		103833		Bruchomyiinae		23676	
Georgia			51004	study and teaching		82151*		Bruchophagus roddi	23809	42563	
Germany		2878*	81267*	transmission		62163		Bruelia		23943	
Ghana	68839	69550	72054	treatment	62274*	103753*		Bruelia varia		33489	
	103562			United Arab Republic		22271		Brugia	4778	14028	
New Zealand			99766	causes	61830*	72476*		Brugia ceylonensis		14028	
Pennsylvania			2884	control	3147*	3266*	61869*	reviews		42476	
processing		31827*	51432*		71742*	81842*		Brugia pahangi		31632	
Sicily			51424*	diagnosis	61776	61818	91901	Bruguiera gymnorrhiza		150*	
Spain			51425*		12740*	21856*	30845*	Brumus octosignatus		14580	
Sweden			13652*		30984*	81825*	81865*	Brunchorstia destruens		57999	
Tanganyika			31207	dogs		31544	31540*	Brunellia		26825a	
Uganda			10515	eradication	21931	51557	12565*	Brunfelsia		37968*	
Brucella	6364	21933	41266		31043*			Brunnelli		37968*	
	61830	62252	62362	Europe				Brunfelsia		37968*	
	93302	12538*	13035*	reviews		13881*		Brunizem soils	11376	20545	80163
	22939*	31711*	51512*	France		71722*		Brunniella antistes		5576	
	51944*	72642*	73160*	Germany				Brunsvigia	8761	10694	26837a
	82836*	92073*	92075*	East Germany		7172*		Brush			
	103839*	104820*		goats	3231	42188	22822*	burning		49453	9172*
Brucella abortus		3211	12813		63078*	103839*		control	2039	20237	90600
	13713	31316	41671	guinea pigs		62667	104163*	Africa			1105
	71694	81877	82958	horses	31667*	41849*	61903*	California		29225	29307
	104637	3129*	3619*		72476*				29311	30446	
	21940*	30926*	31238*	immunization		71746*		Canada			90607
	61869*	62338*	81855*	conferences and congresses		21922*		chemical	11091	29269	29312
	82307*	103840*	104163*	man	3211	51544*	91988*		33772	70059	70060
Brucella bovis		14073*	94236*	Bulgaria		103288*			90675	90683	90726
Brucella brucei			30970	Great Britain		76586		Arkansas			79757
Brucella melitensis	13713	42188		transmission		61768*		California	29268		29289
	62667	72856	81877	United Arab Republic		22271		Canada			39444
	14073*	21940*	22738*	poultry		93302		Germany			
	30926*	31238*	94236*	prevention		21856*		East Germany		101525*	
Brucella ovis	4312	13713	32173	rabbits	72710	22738*	22822*	North Carolina		39574	
	32281	104637	52355*	sheep	13713	62667	72868	Northeastern States		29343	
Brucella suis	51560	51570	21940*		63035*	82850*		Norway		39474*	
	30926*	52606*	103288*	Bulgaria		32260	104632*	Southern States		90696	
Brucellosis		103342	3252*	causes		104637		Texas	90650	90674	
buffaloes	62324	72129	71732	control		62258*		USSR	10998*	11096*	11100*
camels			71732	diagnosis	32281	52355*	63097*		49486*		
cattle		12813	31073	eradication		93678		Utah			2018
	62363	71732	103717	immunization	4312	22821		Vietnam		79796	
	31238*	72277*	82295*		32173	32288	42188	Western States		79798	
control	103805	13051*	41601*		31487*	82836*	104624*	costs		12051	
	92453*	103863*		India		3231		France		79844	
Brazil			92385*	Poland		61903*		Illinois		12064	
Czechoslovakia			3613*	resistance		22800*		Lithuania		39559*	
	13052*	13096*	92474*	transmission		31544		Oregon		2799	
	92528*			study and teaching		30934*		policies and programs		29323	
France		31410*	62166*	swine	63337	83044	32485*	research methods			
Germany					73016*	93861*		statistical		20237	
East Germany			72274*	Austria		83096*		Southwestern States		2019	
	84688*	92410*		Brazil		22939*		Texas		49422	
Ireland			72232	Bulgaria		104820*	104828*	control equipment	15222	61058	
Poland			92483*	control		31330*	104817*	SEE ALSO names of brush plants; and			
USSR			62258*	diagnosis		32489*	52606*	SUBHEAD brush control UNDER			
diagnosis		22210	22242		93873*	104875*	104876*	Forests; Pastures and meadows;			
	41700	51939	62324	eradication		72242	104950	Ranges			
	72164	82297	3539*		104870*			Brush fires	29307	61225	71325
	13051*	31244*	31432*	Europe					71334	71335	
	41680*	62154*	62180*	reviews		13881*		Brusone,			
	92378*	92600*		France		42318*		rice SEE Blast, rice			
reviews			13038								

\*Text of this reference is not in English.



Item			Item			Item		
Brussels sprouts			Buckwheat			Buffaloes--Cont		
biochemistry		19361	analysis and composition	107475*		selection		41464
breeding	59870	10958*	anatomy and physiology	1092*		slaughtering		103546*
cooling		44795	1102*	10108*	19026*	statistics		7227
culture	10942	101418	78463*	100552*		SEE ALSO names of anatomical parts,		
diseases		47085	biochemistry	19323	89946	body fluids, diseases and other patho-		
fertilizers	40065*	60401*	breeding	28523	48733	logical conditions, operations, para-		
for processing		59809	90045*			sites, pests, and products		
fungus diseases		370*	culture			Buffalo's milk		
genetics		58437	Poland		48717	adulteration		85198
harvesting		20180	USSR	28496*	28561*	analysis and composition		34342
hybrids	58437	10958*	69410*	69453*		85198	65091*	
packing		44795	fertilizers		80327*	bacteria		24801
planting		59809	germination		38225	nutritive value		46484
planting date		70590*	harvesting date		1092*	processing		85198
properties		59871	honey plant		63765	products	74819	107048
quality		44795	hybrids	48733	79131	properties	74799	65091*
storage		75296*	mechanization		33549*	proteins		65083
varieties	20180	59871	morphology		19323*	tests		74808
59872*		70001	planting		28156*	vitamins	31522	108962*
yields		40065*	planting date		28670	whey		54488*
Bryaceae		99017*	pollination		28116*	Buffelgrass SEE Pennisetum ciliare		
Bryobia	5106	53215	seeds		79131	Buffer substances		49756*
94448*		83807	varieties	48718	48711*	Bufolucilia silvarum		14587
Bryobia arborea		32838	yields			Bugs, true SEE Heteroptera		
Bryobia praetiosa	14489	42744	Poland	28670	48717	Building materials		21529
53215			USSR	28156*	48711*	64587	64671	96055
Bryobia redikorzedi		83405*	Bud blight			23563*	53988*	6466*
Bryobia rubrioculus		23063*	soybeans		77883	Australia		40921
Bryophyllum SEE Kalanchoe			Bud-rot			France		41097*
Bryophyllum calycinum SEE Kalanchoe			African oilpalm		58041	Germany	41088	61403
pinna			coconuts		57989	Great Britain		2958
Bryophyllum crenatum SEE Kalanchoe			Budding SEE SUBHEAD propagation, by			54020	84714	
laxiflora			grafting and budding UNDER Plants and			Hungary		30704*
Bryophyllum daigremontianum SEE			names and classes of plants			Italy		74196*
Kalanchoe daigremontiana			Buddleia	101363		Japan		81453*
Bryophyllum tubiflorum SEE Kalanchoe			Buddleia asiatica	19412		Norway		102937*
verticillata			Budgets	26795		Poland		74185*
Bryophyta			Great Britain	76378		Scandinavia		74180*
anatomy and physiology		100010	India	97819	97899	Texas		2938
100248			Japan	44581*	45469*	SEE ALSO kinds of materials		
Arkansas		88447	Mississippi		26815	Buildings		
Austria		67907*	New Zealand		16558	advisory services		74190*
Azores		99007	Switzerland		86616*	air conditioning		64580
Canada		170	USSR	56063*	66440*	appraisal	56714	87340
collections	88439	67907*	Budgets SEE ALSO UNDER Families			associations		74174
culture		88114	BUDR SEE 5-Bromodeoxyuridine			bibliographies		95966
Czechoslovakia		99018*	Buellia	17881		Canada	15277	84639
ecology	9318	18482	Buffalo grass SEE Buchloe dactyloides			construction		5882
99100	99803	27391a*	Buffalo treehopper SEE Stictocephala			24199	42755	43740
Finland		26919a*	bubalus			53889	64670	84635
France		99003*	Buffaloes			94463	95965	96056
Great Britain		88237	abnormalities	3644	3690	106420*		
Indiana	88456	88457	Brazil	13194*	51989*	Belgium		5887*
Iraq		36666	breeding	12826	41439	Czechoslovakia		24248*
Italy		77445*	71885	103440		Denmark		33836*
Japan	36950	171*	research methods			Finland		5888*
Latvia		8777*	statistical		103440	Germany	5884*	43729*
Maine	88442	88979	breeds		41464	64667*	95959*	95962*
Missouri		88448	Murrah	3342	3357	95967*	106418*	
Morocco		26921a	61992	92256	103440	East Germany		53888*
morphology	100010	58258*	carcasses		103546*	Great Britain	24197	64585
Netherlands	67898*	67912*	embryos		22259	106421*		
New York		8781	estrus	82262	103854	Malaysia		74175
New Zealand		27388a	feeding and nutrition	22034	92211	Netherlands	95961*	106424*
Pyrenees		17830*	fertility	12826	71917	106428*	106429*	
Rumania	8788*	77448*	genetics			Norway		12336*
Spain		26921a	research methods			Oklahoma		24202
Svalbard		46945	statistical		3357	Poland	53887*	74177*
Sweden	26919a*	67901*	growth		3518	Scandinavia		74180*
taxonomy		8699*	hybrids	82001	81936*	Sweden		15321*
Texas		8793	India		41439	USSR		64578*
USSR	8786*	46946*	Italy	92630*	103918*	costs		84643
Vietnam		17839*	lactation		3646	Bulgaria		106422*
Bryopsis		78526*	meat production		103546*	Denmark		56703*
Bryopsis halymeniae		48153*	metabolism		92211	Germany	5884*	7643*
Bryum	163	99019	milk production	52001	92232	53925*	106426*	
Bubbia		46790*	effects of breeding		3342	East Germany		15275*
Bubbia perrieri		58343*	71885	92256		Great Britain		24198
Bubulin SEE Trichlorphon			effects of disease		72180	Norway		5886*
Bucculatricidae SEE Lyonetiidae			effects of drugs		41642	Poland		53894*
Bucculatrix ulmicola		32908*	Italy		92630*	Sweden	53884*	53890*
Buchenavia		88298	Thailand		82345*	Switzerland		84637*
Buchholzia		98944	United Arab Republic		31522	USSR		53883*
Buchloe dactyloides	1000	8986	pests	32671	83802	credit	56078	97602*
79258			pregnancy		22208	depreciation	74181	76041*
Bucklandia populnea		61456	records and testing		52001	designs and specifications		5890
Bucks	42141	63020	reviews		31499	84634*	94424*	

\*Text of this reference is not in English.

Item			Item			Item		
Buildings--Cont			Bulbs--Cont			Bulls--Cont		
designs and specifications--cont			trade			Japan		92202*
Germany 53891*	64582*	95960*	Netherlands		67334	judging		41474*
Netherlands		106419*	treatment 38151	57956	37949*	purchasing	3353	92216*
Poland	43742*	74185*	varieties		69836	records and testing	12786	12834
Switzerland	24200*	43737*	vernalization		48279	12840 12841	12842	21986
	53903*		weed control	39435	29217*	21987 22027	22032	31115
deterioration		64584*	Bulgur 34941	55260	55367*	41424 41426	61982	61999
Finland	24145*	84642*	canned		6978	62025 62026	62047	62049
Germany	86711*	95968*	flavor and odor		96935	71975 71976	103507	51692*
Great Britain 5885	15280	74189	manufacture	44836	75449	Arkansas 31078	41417	103431
95973			nutritive value		46487	Brazil		12782*
heating	84636	43733*	processing		44968	Canada		92254*
insulation 24196	106427*	106455*	trade	46380	46389	Ceylon		62055
107387*			vitamins		75449	Costa Rica		103415*
Israel		56624	Bullacris longicornis		95567	Denmark 12821*	51645*	51670*
Italy		95964*	Bulldozers	53761*	53763*	Finland		103509*
layouts 15087*	15321*	53903*	Bulls			Germany	41434*	71940*
84689*			abnormalities	61958	62022	East Germany		92153*
legislation	43743*	67090*	anatomy and physiology		12800	Great Britain	3407	12808
bibliographies		24201*	12830 21966	21973	22017	12812 62034	81942	81943
lighting		64583*	62019 71910	81963	81964	81944 92155	103449	103486
maintenance and repair		33832	81989 92165	92211	3344*	Hungary	92162*	92195*
53896	54019*		3370* 3389*	31088*	41440*	Israel		12835
multiple use		95963*	62029* 62045*	71923*	71938*	Italy		3362*
Netherlands		106423*	92150* 92213*	92214*	92254*	Netherlands		92144*
Northern Ireland		74179	103416* 103437*	103461*		New Zealand		3341*
pest control 4909	14265	23406	and heredity	3408	31111	Poland 92196*	92228*	92231*
42537 42755	42764	73141	51654 62005	71896	81945	103487*		
94426 105385	23370*	94425*	81957 81990	82022	92140	Sweden 22009*	51664*	71971*
	14278	53028	92157 92260	103418	3404*	USSR		103499*
pests			3774* 12779*	21970*	21982*	West Virginia		103470
Poland 43741*	53885*	74184*	21985* 31106*	31123*	41449*	restraint		71974
84640*			41458* 61979*	62000*	62011*	selection 12841	92161	41412*
policies and programs		95755	62040* 71902*	71903*	92215*	51686* 61997*		
Czechoslovakia		24206*	103485* 103487*	103499*		conferences and congresses		62039
Finland		15278*	care 103494	41418*	41422*	Germany		92230*
Germany			53943* 81988*	103503*		Mississippi		71970
East Germany		5889*	Argentina		51642*	New York		31136
Poland 24203*	24204*	24207*	Austria		92237*	Poland		3412*
24208* 33834*	43734*	43735*	Germany		92167*	Switzerland		41474*
43736* 53901*	53902*	64586*	Great Britain		74203	weight and measurement		3393*
74176* 74186*	74187*	74188*	Hungary		92195*	81978* 103806*		
74190*			Rumania		61962*	Bumblebees SEE Bombus		
prefabricated 12335	15279	53893	Denmark	31128*	103490*	Bumelia lacuum		17720
43739* 53974*	74264*	84638*	diseases 12813	12825	31077	Bumilleriopsis		8804
84711* 106500*			41437 51691	61947	61963	Bundukia n g		73525
Czechoslovakia		33833*	62036 92173	92188	103423	Bunium	8729	98918
Germany 33835*	53886*	64579*	103446 3578*	31143*	31452*	Bunostomiasis SEE Hookworms		
95959* 102935*	102936*		51687* 62051*	62058*	62185*	Bunt SEE Smut		
Italy		43782*	81937* 92496*	103426*	103475*	Bupalus piniarius		
Netherlands		106424*	control		51647*	control		53039*
Poland	53897*	74266*	Denmark		31468	eggs		84090*
USSR		64608*	Germany		103420*	feeding habits		95457
remodeling 43790	5931*	53892*	treatment 3363	22006	12817*	flight		33413*
shows		106425*	feeding and nutrition	51674	61980	genetics		53490*
statistics	34227*	106417*	71910 81989	92211	103478	insecticide resistance		53039*
study and teaching		95742*	103508 3463*	31198*	62063*	outbreaks		105380*
Sweden	43738*	74178*	92167* 92283*			parasites		84090*
Switzerland 15014*	50631*	53898*	Bulgaria		62114*	populations		83743*
53900*			Czechoslovakia		61984*	Bupleurum		98918
waterproofing 21468	54000*	106497*	Denmark 51632*	51633*	51661*	Bupleurum multinerve		48589*
SEE ALSO kinds of buildings; and			Germany	31107*	71940*	Buprestidae		
SUBHEADS buildings, housing,			East Germany	3396*	31176*	anatomy and physiology		94967
structures UNDER specific subjects			31179*	31185*	31232*	as pests		23600*
Bulb mite SEE Rhizoglyphus echinopus			33849*	45763*	95987*	Belgium		14577*
Bulbine		79029	Hungary		41555*	biology		53244
Bulbophyllum		88314*	India		92165	control	14176	32844*
Bulbostylis	36771*	36772*	Italy		31112*	ecology	32844*	63948*
Bulbs			Missouri		31120	geographic distribution 63948*		94819*
anatomy and physiology		78452*	pasture and range	51659*	92171*	immature stages		53244
associations		16505*	USSR	81938*	81978*	Ireland		73600
costs and returns	56597	7940*	Wyoming		22015	Italy		94978*
26950* 26952*	26465*		fertility 3353	3374	3397	Near East		105620*
culture 10863	90474	101285	22003 31087	31120	31142	Neotropical Region		94837*
Canada		69830	61976 62006	62019	62030	Palaearctic Region		94932*
Denmark		28976*	71926 81948	103445	103446	taxonomy 73566	83874	53233*
Germany		28976*	103508 3338*	3340*	3372*	Utah		14176
Japan		28965*	3422* 12791*	12811*	12847*	Buprestis auralenta	73600	94967
Norway		90447*	21984* 31085*	31123*	31137*	Bureschiana n g		94870*
directories		97513	41440* 41455*	51631*	51692*	Bureschiana drengskii		94870*
forcing 69830	10785*	11614*	61997* 62052*	81940*	81965*	Burned areas 70471	99785	18418*
hardiness		90474	81999* 92180*	92190*	92213*	Arizona 49913	70470	79310
industry		86535*	92219* 92253*	92266*	103503*	Brazil		98035*
morphology		47830*	growth 103478	31112*		California		60722
nematodes		77977	habits and behavior	3419	12848	Ghana		18464
planting date		20009*	71948 81951	3413*	12787*	Iceland		49919*
storage	38111	58644	22021* 31131*	51632*	61616*	New Zealand		47634
89479 19119*	27807*	28939*						
38199*	38200*	78337*						

\*Text of this reference is not in English.



## Item

Burned areas--Cont  
 Nigeria 2793  
 Southern Rhodesia 88971  
 Wisconsin 99804  
 Burnet SEE Sanguisorba  
 Burning SEE UNDER Brush; Forests;  
 Pastures and meadows; Ranges; Weeds,  
 control  
 Burns 72259 30923\*  
 Burrowing nematode SEE Radopholus  
 similis  
 Bursa cloacae 31880 31913 62857  
 104360 104430 82625\*  
 Bursa copulatrix 42995\*  
 Burseraceae 77298\*  
 Bursitis 3619\*  
 Bush redpeppers  
 anatomy and physiology 18852  
 100345\*  
 cytology 18755\*  
 fertilizers 29785  
 fruit set 18852  
 fungus diseases 9103\* 9157\*  
 genetics 18755\*  
 germination 19064  
 pest control 23212  
 pests 23212  
 planting 18852  
 pollination 48337 100345\*  
 trade  
 France 108850\*  
 varieties 49389\*  
 virus diseases 88879  
 yields 18852 29785  
 Bushy stunt  
 tomatoes 99571  
 Business cycles SEE Economic cycles  
 Busseola fusca 4803 63545 94349  
 Busulfan 27645  
 Butanediol 55174 44171\*  
 2,3-Butanedione 74340 96271 107027\*  
 Butanol SEE Butyl alcohol  
 Butchering SEE Slaughtering  
 Butea monosperma 32619  
 Buthotus minax 5069  
 Buthus occitanus 23540\* 105545\*  
 Buthus quinquestriatus 94740  
 Buthus tamulus 94740  
 Butiphos 1562\*  
 Butomus umbellatus 88418  
 Butonate 94215  
 Butter  
 adulteration 34330 34326\* 96497\*  
 analysis and composition 24876  
 34330 74746 74778 85275  
 85318 96449 106926 22098\*  
 24865\* 34326\* 34345\* 44275\*  
 54523\* 54534\* 74742\* 74779\*  
 74797\* 74811\* 75706\* 85271\*  
 85321\*  
 reviews 34343 65066  
 bacteria 65053\*  
 canned 46476  
 chemistry 74751  
 coloring 74975 96449  
 consumption 6406 54557 54558  
 54559  
 containers 15714\* 96531\*  
 contamination 85318 85412\*  
 cream for 3501 15734 54663  
 74972 96613 24974\* 34431\*  
 41547\* 65157\* 74742\* 82223\*  
 85452\* 85465\* 92275\* 92276\*  
 96518\* 96570\* 96617\* 107014\*  
 107023\* 107024\*  
 defects 74889\* 85382\* 96489\*  
 digestibility 106962\*  
 dried 15695 54646  
 drying 15736  
 flavor and odor 65120 74889\*  
 85382\* 96489\*  
 flavoring 74992  
 grading and standardization 74875\*  
 106642\*  
 Austria 74885\*  
 Canada 96517  
 Denmark 96495\*

## Butter--Cont

grading standardization--cont  
 Germany 6455\* 24904\* 24928\*  
 24935\* 24941\* 34389\* 34397\*  
 85408\*  
 history 87670\*  
 homogenized 96455  
 industry 96397  
 judging 24907\* 74853\* 74861\*  
 keeping quality 106976 24968\*  
 44352\*  
 manufacture 15734 24963 24995  
 44356 74912 74954 85475  
 107057 24804\* 85452\* 85463\*  
 85465\* 96617\* 107014\* 107023\*  
 107024\*  
 cooperatives 74965  
 costs 25044\* 85433\* 107003\*  
 France 24974\*  
 Germany 34345\* 34431\* 54648\*  
 74956\* 85444\* 85486\* 96602\*  
 96614\*  
 reviews 15746  
 Sweden 15760  
 Switzerland 15744  
 USSR 54664 96564 96656\*  
 manufacturing equipment 96645\*  
 107025\*  
 USSR 44370\* 96656\*  
 marketing 44313 85369\* 96369\*  
 96370\* 96486\*  
 microorganisms 54523\*  
 moisture 96647 24815\* 85463\*  
 96614\*  
 reviews 34343  
 nutritive value 98401  
 oxidation 74780  
 packed 74852\*  
 packing 15709 34397\* 74905\*  
 74906\* 85417\* 86305\* 96656\*  
 106992\*  
 costs 85433\*  
 Finland 65133\*  
 Germany 24941\*  
 pasteurized 24865\*  
 policies and programs 15592\* 85184\*  
 prices 24958  
 processing 85462\* 86237\* 96591\*  
 96601\*  
 processing equipment 74990 96647  
 production quotas 24958  
 products 54646  
 properties 74753 74972 92275  
 107057 6374\* 22098\* 24804\*  
 34339\* 65157\* 74779\* 74797\*  
 85321\* 86237\* 92276\*  
 quality 3501 96613 15698\*  
 15732\* 24991\* 34339\* 41547\*  
 82223\*  
 Australia 54663  
 Germany 74883\* 85408\*  
 Latvia 22093\*  
 Netherlands 6374\* 96511\*  
 74780  
 refrigeration 74780  
 regulation and inspection 74852\*  
 sanitation 24963  
 situation and outlook 24885\* 85200\*  
 96369\* 96370\*  
 starters 15729 15732\* 24977\*  
 24991\* 96617\* 107027\*  
 reviews 25029  
 statistics 34454  
 storage 106976 15698\* 107035\*  
 France 96641\*  
 Germany 74883\*  
 Italy 44352\*  
 Norway 24968\*  
 trade  
 Asia 76772  
 Australia 76772  
 Denmark 87641\* 98274\*  
 Finland 76810\* 87670\*  
 Netherlands 27196\*  
 Poland 46385\*  
 USSR 87670\*  
 types 15729  
 weight and measurement 65133\*  
 whipped 74990

## Item

Butter oil 76772  
 analysis and composition 24830  
 55633 74778 106926 106912\*  
 chemistry 44269  
 storage 87800  
 SEE ALSO Ghee  
 Butterfat SEE Milk, fat  
 Butterflies 105947  
 Africa 64230 95418 105964\*  
 anatomy and physiology 5509  
 5535 23831  
 as pests 23105\* 23106\* 23301\*  
 as predators 33363  
 Australia 43249 43258 43262  
 43268 43290  
 Austria 43276\* 64200\*  
 Belgium 105922\*  
 biochemistry 73827  
 Borneo 95491  
 Bulgaria 43256\*  
 Chad 95375\*  
 Chile 106028\*  
 China 95487\*  
 collecting 5561 23913 43264  
 collections 106040\*  
 cytology 14882\*  
 Czechoslovakia 73797\*  
 Denmark 95400\*  
 ecology 23846 84140 95470  
 43276\*  
 eggs 95515\*  
 evolution 33436  
 flight 23846 84169 84161\*  
 food and host plants 43252 105998  
 genetics 33437 95451  
 geographic distribution 5520  
 95541 23105\* 23106\*  
 Germany 105994\*  
 Great Britain 5498 14861  
 23882 33360 33369 33370  
 33440 43299 53468 84145  
 95394 95403 95537  
 Greece 33374  
 habits and behavior 23893 73843\*  
 hybridization 5520 95443  
 95444 105911  
 illustrations 84120  
 India 14893 95385 95521  
 95522 105998  
 introduction 33411  
 Ireland 5497  
 Japan 105911 33441\*  
 larvae 95494  
 life history 95433 95512  
 Louisiana 23873 106037  
 Mexico 95512  
 migration 14904 95460\*  
 Argentina 23863  
 Australia 23905  
 Malaysia 73847  
 Netherlands 28209\*  
 mimicry 33363 33436 33437  
 53466  
 mortality 23909 43299 95470  
 mountain areas 23846 84140  
 95522 33441\*  
 Netherlands 33390\* 33433\* 53491\*  
 Nigeria 84119 84120  
 North Dakota 105968  
 Pennsylvania 23902  
 populations 23909 95394  
 preservation 106015  
 pupae 64215  
 rearing and breeding 95367  
 Rugen 64219\*  
 Schouwen 95379\*  
 Sicily 106040\*  
 sonification 84169  
 surveys 84140  
 Sweden 95369\*  
 taxonomy 95480  
 Tibet 95466\*  
 variation 23909 33380\*  
 Western Hemisphere 5503 23837  
 64183 95396  
 Buttermilk  
 analysis and composition 96429\*  
 contamination 96429\*

\*Text of this reference is not in English.

	Item			Item			Item	
Buttermilk--Cont			Cabbage--Cont			Cabbage--Cont		
feed		75009*	culture--cont		39357*	varieties--cont		79721*
losses		74972	Iceland		90519*	Japan		20162*
manufacture	15763	65166	Japan	35810*	20162*	Netherlands		29048
nutritive value		76889*	Netherlands		101377	New Zealand		69989
starters		65166	Peru		49353*	Republic of South Africa		90554*
Butternut SEE Juglans cinerea			Poland		90516*	Rumania		49356*
Button medic		75070	USSR	69986*	70035	USSR		18310
Butyl alcohol	35351	15468*	Virginia		68199	virus diseases	9232	
N-Butyl alcohol		102991*	disease resistance	47338		23259	47477	
N-Butyl chloride		104052	368*	27220a*	47458*	weed control	60012	29372*
4-tert-Butyl-2-chlorophenyl-methyl			fertilizers			yields	29812	49289*
methylphosphoramidate SEE Dowco		132	France		80264*	70581*	80544*	
2,6, di-tert-Butyl-p-cresol		6947	Georgia		29812	Cabbage aphid SEE Brevicoryne bras-		
Butyl oleate		55669	Great Britain		60532	sicae		
Butyl-oxy-anisole		75552*	Poland	91042*	91043*	Cabbage looper SEE Trichoplusia ni		
Butyl ricinoleate		55669	Rumania		29534*	Cabbage maggot SEE Hylemya brassicae		
Butyl sorbate		63436	USSR	49962*	70581*	Cabbage seedstalk curculio SEE Ceuto-		
Butyl stearate		55669	80544*	83328*		rhynchus quadridens		23871*
Butyl titanates		97217	fungus diseases		37348	Cabera leptographa		23675
Butylamine		57955	88820	368*	370*	Cables SEE Logs, hauling, by cable; and		
Butylated hydroxyanisol	6947	33978	68198*	77641*	99479*	SUBHEAD by cable UNDER Transporta-		
75473			control		27105a	tion		
Butylated hydroxytoluene	55238	55356	Poland		18163*	Cacao		90776*
75473			Republic of South Africa		47347	Africa		20358
p-tert-Butyldimethylolphenol		75808*	USSR		77642*	agreements		87618*
Butylene glycol SEE Butanediol			genetics		89312	analysis and composition		6286*
2-(p-tert-Butylphenoxy)isopropyl-2-			germination	49373*	68662*	anatomy and physiology		1026
chlorethyl sulfite SEE Aramite			hardiness	27919*	58729*	9639	18824	27789
Butynorate		22662*	harvesting		101417	47856	48155	48156
Butyrates	13693	22201	hybrids	1970	89312	89611	9702*	
Butyric acid		63110	injuries		68025	bark		40023
bacteria		6039	irrigation	29919	80544*	biochemistry		19345
fungicide		18165	losses		14138	breeding	77615	70195*
in butter		74751	marketing		34743*	Ghana		11133
in cattle nutrition		12915	pest control	23251	58040	Latin America		77189
in cheese	85450*	96580*	biological		52836	Mexico		90781
in sheep physiology		4355	Brazil		105022*	New Guinea		78741
in soils		101816*	Bulgaria		94303*	Sao Tome Island		90751
Butyrvibrio fibrisolvens		51893	Canada		83295*	care and handling		54414*
gamma-Butyrobetaine SEE Actinine			chemical	63417	4789	chemistry		74674*
Butyrocholinesterase SEE			Germany		94289	conferences and congresses		11136
Cholinesterase			Iceland		83313*	consumption		85108
Buxamin		89936*	Massachusetts		52902	contamination		74666
Buxaminol		89936*	Netherlands		63568*	costs and returns	11130	11144
Buxus	59678	68044	Norway		42623*	16894	16902	16934
Buxus microphylla koreana		69894	cultural		73211*	culture	11149	90758
Buxus sempervirens	28353	89936*	Great Britain		32806	70195*	90757*	
Bykocillin		62209*	Hungary		94265*	Costa Rica		2074
Byrrhidae		83864*	Mississippi		73192	Indonesia		79911
Byrsotria fumigata	33458	33472	Netherlands		52882*	Ivory Coast	11134	11144
Byssochlamys fulva		65452*	New Jersey		83293	Surinam	29392*	49555*
Byssochlamys nevea	25376	48650	Poland	52880*	83376*	directories		79893*
75269	89771		Southern States		73224	diseases	42704	88566
Bystodes		14568	USSR	73186*	73188*	Africa		68080
Bystropogon origanifolius		89096*	pest resistance	94268	83328*	British Guiana		77493
Byturus		23313*	pests		42643	control		77615
Byturus tomentosus		94411*	forecasting		83298*	Peru		88651*
			Great Britain		23039	drying		85126
			India	14138	33074	drying equipment		64495*
			New Zealand		5405	ecology		77614
			outbreaks		83313*	enzymes	6308	34265*
			reviews		5516	farms	17013	36032
			planting		49356*	70195*		
			planting date		49289*	fat and oil content		64972*
			refrigeration		75345*	fermentation	6262	6308
			seeds	89312	425*	34265*	44226*	
CA test SEE Capillary tube agglutination			Poland		49353*	fertilizers	11138	11557
test			storage	49373*	68662*	40023	79877	
Cabbage			USSR		69986*	flavor and odor		6308
analysis and composition		15928*	vernalization		27976*	34284	44232	44226*
anatomy and physiology		42643	soils		105192*	fungus diseases		359
48227	68898	19203*	spraying and dusting		58040	control	77722	342*
83328*		27976a*	storage	1963*	75330*	Ecuador		18229
bacterial diseases	58040	58056	diseases		44803*	Nigeria		47236*
47458*			structures	15331*	33928*	Trinidad		77675*
biochemistry		19383	Sweden		75296*	Costa Rica	83460	358*
48510	368*	27220a*	ventilation		75325*	Fernando Po		9128*
77641*	78893*	58999*	75340*	75343*	75345*	Ivory Coast		68218*
breeding	1970	47338	taxonomy		98925*	Nigeria		68137*
Bulgaria		29093*	trade		9232	Papua and New Guinea		47376
Germany		49373*	Canada		98925*	Spanish Guinea		8981*
contamination		84930	Bulgaria		29140*	Venezuela		358*
costs and returns	7962*	16933*	Canada		49391	genetics	47856	100036
26954*			Czechoslovakia		1963*	germination		48167*
culture			Georgia		29812			
Australia		49347	Great Britain		59836			
Great Britain		1940						
China		90583*						
Hungary		29104*						

\*Text of this reference is not in English.



Item			Item			Item		
Cacao--Cont			Catoecia pronubana SEE Cacoecimorpha			Caia n g		95273
grading and standardization	15528		pronubana			Cainia		57735*
	74604		Cacoecia rosana SEE Archips rosanus			Cainia desmazieri		219*
history	39618	70217*	Cacoecia semialbana	105976*		Cainia incarcerata		57735*
hybrids	11140 90781	2075*	Cacoecimorpha pronubana	83437* 84142*	4876*	Cainotyphlus n g		94838*
industry	44157 85176	24633*	Cacophrissus		53241	Cajanus cajan SEE Pigeonpeas		
irrigation		101625	Cactaceae	17711	67828	Cajanus indicus SEE Pigeonpeas	88260	36895*
labor		86737	anatomy and physiology		18489	Cakile		14162
microorganisms		6262	19044 37629	89068	99834	Calacarus carinatus		32851
morphology		78167	100274*			Calacarus citrifolii		46829
nutritional deficiencies	9891	48040	Arizona		17640	Caladiopsis		10852
pest control	13929	77615	bibliographies		36784*	Caladium		99708
Cameroon		105301*	biochemistry		98764	Calamagrostis		36935*
chemical		52970	Bolivia	46830	57551	Calamine		89539*
Africa		105271	breeding		69819*	Calamoceratidae		95618*
Ghana	105270 105285	105302	California		46562	Calamus formosanus		45381
105316			collecting and preserving		36850	Calamus oil		66054
conferences and congresses	104972**		Mexico	17731 36850	88301*	Calandra SEE Sitophilus		
Ghana		14203	88377*			Calanthe		90459*
Ivory Coast	14190	52932*	Costa Rica		46865	Calanthe vestita		59697*
Papua and New Guinea		73268	culture	39196 28958*	49158*	Calatropis		25117
		73269	49174* 49240*	69819*	79624*	Calcareous soils	2147	11308
pests	33320 42705	52926	India		28951		39708 39954 40069	50130
63972 23297*			New Zealand		59758		80028 80073	90865
Africa	33087 68080	77614	South Dakota		19947	Bulgaria		101868*
Costa Rica	42704	83460	ecology		37579*	Canada		29524
94900			fertilizers	20734	39981	Egypt		2223
habits and behavior		23847	France		26850a*	Estonia		101825
Ivory Coast	23302*	23603*	fungus diseases		77600*	Europe		27432a*
Nigeria			Germany		66314*	France		50099*
reviews		105267	identification		46843	Great Britain	37567	39751
Papua and New Guinea		52917	irrigation		29930*	50133 69662	80300	99769
		73268	Mexico		36801	Hungary	27991*	48854*
planting	11130 79918	101625	nematodes		519*	Italy	60088*	90990*
policies and programs		85158*	North Dakota		46891	Mediterranean area		50100*
pollination		1088*	pest control		77600*	Mexico		49719
prices	34283 85107	85108	pollen		58283	Michigan		39949
processing	15550 44207	31152*	propagation	19970	90440*	Sao Tome Island		49750*
74588* 74674*			seeds	39196	100274*	Spain		70264*
reviews		85102	Southwestern States		26849a	USSR	29792*	70436*
processing equipment		6297*	taxonomy	36786 36875	69819*	Calcarispora n g		88536*
products		6268*	88270*			Calcarisporium		67975
propagation	20339*	39588*	varieties	19948 59719	49240*	Calcein		44291
regulation and inspection		67359*	90397*			Calciochrome		60152
		74650*	Western States		57616	Calciferol SEE Vitamin D <sub>2</sub>		
seeds	1026	38147	Cactoblastis cactorum		106050	Calcification	42017 104170	71841*
shading	11138	79877	Cadang-cadang disease SEE Kadang-ka-			Calcigrit		22522*
shells		74666	dang			Calcinosis		92699
situation and outlook	15567	44165	Caddisflies SEE Trichoptera			Calciphilae		47635
85104*			Cadelle SEE Tenebroides mauritanicus			Calcium		
Africa		15536	Cadexil		41687*	determination	75025* 34317	54114*
Colombia		24726*	Cadillo		69491*	effects on alfalfa		48090
West Indies		74665	Cadinol		19435	effects on Antirrhinum majus		38253
soils	27789*	50222*	Cadmium			effects on apples	19155	58851*
spraying and dusting		9101	effects on poultry		22538	effects on Avena		58662
statistics	85108	85083*	effects on swine	104805	83012*	effects on beans	1177	9975*
storage		24657*	effects on yeasts		100066	effects on broadbeans		27969*
trade		87618*	in juices and sirups		34714*	effects on Carum carvi		89669*
Europe	57050*	76732*	in rice	65745*	75436*	effects on casein	24861	65187
European Economic Community		67359*	Cadmium hydroxide		81489*	effects on corn		69056*
France		76733*	Cadoxen SEE Cadmium hydroxide			effects on cotton		48488
Germany		87706*	Cadra cautella SEE Ephestia cautella			effects on Cynodon dactylon		48280
Switzerland		87707*	Cadurcia		23703*	effects on forage plants		68817*
varieties			Caeculidae		94696*	effects on fruit		1029*
Africa		11140	Caedius		5163*	effects on grapes	1012*	38014*
Amazon Basin		11134	Caelobunus		73525	effects on lupine		68672*
Brazil		39626	Caesalpinia		88272	effects on Musci		1243
Mexico		39611	Caesalpinia gaumeri		81443	effects on peanuts		48038
Trinidad		11137	Caesalpiniae		37800	effects on peas	48001	68989*
Venezuela		39627	Caesalpinioideae	58300	88272	effects on Pichia indica		18798
virus diseases	463	18281	Caffeic acid	63342* 88824*	100616*	effects on plant disease		27254a
77913			Caffeine			effects on plants	9665	58569
Africa		58070*	chemistry		96447*	58819 101789	1043*	20614*
Ghana		9243	effects on plants	78436*	78526*	28270* 38267*	58728*	58945*
Nigeria	9229 18322	77912	in coffee	24596* 24597*	24714*			
transmission	52926 68080	64972*	64933* 79077*					
waste	30077*	31152*	in fats and oils		26037*			
weed control		59965*	in tea		69291*			
yields		90757*	3-O-Caffeoylshikimic acid		65446			
Caccinia glauca	69162	79030	Cages					
Caccobius		63908*	for animals	24251 62677	95977			
Caccobius schreberi	32728*	105141*	93562* 93564*	95771*	95773*			
Cacodylic acid		11016	95778*					
Cacoecia costana SEE Tortrix costana			for insects	13905 13909	33230			
Cacoecia crataegana SEE Archips			43056 64115	73554	83811			
crataegana			83842 95493	105120	5044*			
Cacoecia murinana SEE Choristoneura			83610* 94639*					
murinana								

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.

	Item			Item			Item	
Calcium--Cont			Calcium--Cont			Calcium phosphates		
effects on wheat	48499		in soils--cont			fertilizers	11269	70842 50395*
effects on white clover	69116*		Australia	18422	69133	in algae		8570*
effects on wine musts	85139*		China		91001*	in soils	11269	20448 39754
fertilizers	20717*	91040*	Europe		27432	Calcium phytate		74576*
alfalfa	40005	50007*	Germany		80386*	Calcium polysulfide		42715*
field crops		101969*	Italy	70419*	80363*	Calcium potassium pyrophosphate		
oranges		49984*	Netherlands		11172*		30051	80731
peanuts		19031	Poland		49873*	Calcium propionate		62383*
peas		29663*	United Arab Republic		60322	Calcium salts	55186	65577 64983*
sugarcane		60338	in sorghum		78596	65608*	69145*	
sweetpotatoes		49966	in soybeans	9914	37923	Calcium sulfate		20448 31313*
in animal physiology	3149	21888*	28053*		68773	Calculating machines SEE Data process-		
61908*	71766*	103380*	in sugar beets		97464*	ing equipment		
in barley	19183	38308	in sugars	26274	35371*	Calculi SEE Urinary calculi		
9144*			in swine nutrition	63188	83085*	Calendars SEE Almanacs and SUBHEAD		
in beans	9643	58528	in swine physiology		63291	calendars and programs UNDER Sprays		
69145*			in Terminalia		1213	and spraying		
in blood	22788	32443	in tobacco		18981	Calenduleae		693
62520	63152	72413	in tomatoes	38235	48498*	Calenduleae seed oil		75685
72865	82249	82394	54976*			Calephelis		5508
3864*	3865*	13864*	in trees		38057*	Calholaspis trianthox		5095
72518*	73067*	92437*	in turkey nutrition	22573	41910	California burclover		1609
92554*	92574*	93632*	62723			California five-spined ips SEE Ips		
104658*			in urine		91903*	confusus		
in broccoli		1269	in wheat		78543	California mastitis test	3568	13092
in buffalo physiology		62238	in winter squash		38499*	13097*	41682*	51873* 65090*
in carrots		38263	Calcium alginate swab technique		54530	82143*	82144*	
in cattle nutrition	3451*	72077*	Calcium aluminum phosphate		39753	California red scale SEE Aonidiella		
92443*			40367			aurantii		
in cattle physiology	72271	3676*	Calcium ammonium nitrate		11852	Calairoa annulipes		53019*
3696*	31088*	31233*	30063	102342		Calairoa cerasi		105325*
51854*	92298*	92526*	Calcium ammonium phosphate		91379	Calairoa Limacina SEE Calairoa cerasi		
in cheese		96400*	Calcium ammonium pyrophosphate		80731	Callalily SEE Zantedeschia		
in corn	48078	58631	30051		105171*	Calliandra haematocephala		8680
89426	68960*	68680	Calcium arsenate		41687*	Calliandra inaequilatera		8680
in dog physiology		72409*	Calcium borogluconate			Callibaetis floridamus		23966
in eggs		72696	Calcium carbonate			Callichromini		105649
in feed	6555	12916	effects on plants		48030	Callidelphax n g		64131*
96107*			fertilizers		49785	Callidium		5176
in fertilizers		80768	in algae		19009	Calliargon sarmentosum		17834*
in field crops		96107*	in soils	20809	29502	Calligypona		14746*
in food	27286	106661	90865	90876	39751	Calligypona pellucida		64126
in forage plants	78673*	91839*	Calcium caseinate SEE Casein			Callimorpha equitalis		95520
			Calcium chloride		100461	Calliphora	43120	53520 64038
in fruit		37935*	effects on barley		78495*	43114*	53338*	
in grain		75465	effects on Chlorella vulgaris		48055*	Calliphora erythrocephala See Calliphora		
in guinea pig nutrition		13408	effects on tomatoes		68000	vicina		
in grasses	100394	100450*	effects on viruses		88894	Calliphora vicina		
in honey		83661*	Calcium cyanamide			anatomy and physiology		64023
in Hyacinthus		58868*	defoliants		10971*	83992	43047*	43099* 43108*
in Lolium		848*	fertilizers	60773	39912*	43116*	73643*	95032*
in meat		86131	58901*	90937*	91074*	chemoreception		43099*
in milk	44291	74794	102292*		101922*	cytology		14648 43113
32286*			fungicides		57903*	digestion		73685
in Parietaria officinalis		9978*	herbicides		29372*	eggs		105699*
in plant nutrition	89614	18822*	in swine physiology			embryos		43109* 43116*
48329*			molluscicides		103646*	enzymes		83991
in Plantago		38308	Calcium fluoride		82140	food and host plants		64044*
in plants	9665	69133	Calcium gluconate		28254	larvae		43109* 73643*
18993*	19121*	47631*	Calcium glutamate		41581*	metabolism		105766 5316*
54114*	70310*	80062*	Calcium hydroxide	15630	44711	metamorphosis		95005*
in potatoes		75324	77964*			vision	105782	33173* 105702*
in poultry nutrition	4104	4111	Calcium hypochlorite		94595*	Calliphoridae		
13459	13465	22558	Calcium magnesium phosphates		102319*	breeding places		14242 14250
31830	31873	41945	Calcium metaphosphates		80740	control		14242 14250
62762	72566	82559	Calcium nitrate			eggs		5252
93096	93121	4085*	effects on plant disease		27254a	habits and behavior		5249
22522*	22548*	31786*	100461			Micronesia		83957
93103*	93144*	52193*	fertilizers	60760	91382	Morocco		14661*
in poultry physiology	4142	41996	91170*		58696*	populations		105750
41998	52290	62810	Barley		70521*	Spain		14661*
93008	31786*	31884*	forage plants		80332*	surveys		105750
in pulp and paper manufacture		30649	grain		2353*	Calliptamus		53532
in rabbit physiology	4297	32145*	rape		20623*	Calliptamus italicus		83201*
in rat physiology	31709	41879	root crops	2352*	50040*	Calliptamus palaestinis		5584
in rice	68727	75025*	rye		91122*	Callipus		73511*
in seeds		37935*	Calcium oxalate		97020*	Calliscarta		14743
in sheep nutrition	13644	93667	Calcium oxide			Callispa		94868
in sheep physiology	13672	13735	fertilizers	39733	49785	Callista		36842
104638	32235*	32293*	49636*	80055*	80068*	Callistephus chinensis	14214	38144
72878*			corn			47273*	77756*	89305*
in sheep's milk		54506*	field crops	70629	2400*	Callistola		73572
in soils	11234	11242	forage plants		11565	Callithamnion		26924a
37923	39714	39761	lupine			Callithamnion grammatum		27474a
60152	60156	68727	red clover		70616*	Callithamnion roseum		37711
11256*	49746*	60233*	tomatoes		2367	Callitriche	17779*	17782*
70310*	80062*	90867*	in juices and sirups		86449*	Callitris	12058	95338

\*Text of this reference is not in English.



Item			Item			Item		
Callitris columellaris	71562	81394	Calves and heifers--Cont			Calves and heifers--Cont		
Callitroga SEE Cochliomyia			anatomy and physiology--cont			feeding and nutrition--cont		
Callitrus SEE Callitris			72157* 72177* 72261*	82043*		31159* 31167* 31282*	31457*	
Callitula		73748*	92391* 92392* 92412*	92415*		32352* 41442* 41527*	41551*	
Callophrys	5555	95392	92438* 92468* 92478*	92526*		51801* 62088* 62455*	62458*	62298*
Callophrys lemberti		5555	92529* 92589*	92596*	103614*	92298* 92301*	92339*	103528*
Callose	78111	47761*	103780*			103534* 103539*	103551*	103599*
Petunia		964*	reviews		3547* 82302*	103780*		
potatoes	99668	47500*	care		3743 25894	Alabama		103553
Callosobruchus chinensis	4890	14226	31494 62260 92402	5654*		Argentina	22287*	61960*
94923* 94928*			12857* 62455* 72261*	82220*		Bulgaria	51791*	62115*
Callosobruchus maculatus		23607	92415* 103924*	106467*		Colombia		103570*
Callosobruchus subinnotatus		83513	Argentina		51642*	conferences and congresses		
Calloxylocopa SEE Xylocopa (Calloxylo-			Bulgaria		41721*	Connecticut		103596
copa)			Colombia		81988*	Czechoslovakia	62076*	103545*
Calluga		105962	Czechoslovakia	51980*	92560*	103556*		
Calluna			92612*			deficiencies		13175 62315
Great Britain	81113	50830*	France		3485*	62322 72048	3456*	62094*
Norway		70221*	Georgia		51963	Denmark	51632*	51633* 51660*
pest control		4648	Germany	3769*	71981*	51696*	51699*	51703* 51706*
propagation		1833	East Germany	13199*	22302*	51709*	51761*	51762* 51767*
Scotland		28658	62446*	62463*	62466*	51773*	51784*	103541*
varieties		10721	66816*	84656*	103914*	Estonia		82105*
Calluna vulgaris	9337*	23419*	103915* 103929*	103935*		feedlot	72088	72109 41647*
101629* 105469*		79913*	103936*			Finland		51759* 82037*
Callus		58218	Great Britain	3777	72332	Florida		71990
Calobryum		36948*	Hawaii		62447	France		3485*
Calobryum rotundifolium		68478*	Hungary	72113*	92250*	Germany	12857*	22074* 62139*
Calochairidius		83758*	Indiana		92626*	East Germany	3428*	12919*
Calochortus	10833	101347	Ireland		72002	31158*	31178*	31187*
Calocoris schmidtii		53395*	Japan		72335	41539*	103575*	
Calodrominae n sfam		5139*	Louisiana		31526*	Great Britain	31494	41544
Calodromini		5140*	Minnesota	15281	92631	Hungary	3475*	12871* 51733*
Calomelissa SEE Andrena (Calomelissa)			Mississippi		51812	62081*	72113*	82043* 103417*
Calonectria graminicola		57988*	Netherlands		41713	India	72097	92328
grain		9017	Northern Ireland		22107*	Indiana	41486	41537 41552
grasses	37230	77742	Norway		72324	Iowa	62140	
India		46980	Rumania	24241*	62014*	Italy	31076*	51802* 72052*
rye	48220*	48519*	Sweden		62456*	92319*	92343*	
Caloneis		88469	USSR	3754*	33845*	Japan		31195* 92362*
Calophasia lunula		32611	costs and returns		16928 62145	Latvia		51718*
Caloplaca		99136*	Australia		7935	Minnesota		51812
Caloplaca conglomerata		99123*	Hungary		7948*	Netherlands		22107*
Caloplaca herminica		99123*	India		7933	Northern Ireland		41510
Caloplaca laricina		99123*	Italy		55510*	Nurse cows	41528*	82057* 92293*
Calopterus		84185*	Northern Ireland	26899	72324	92314*	92351*	
Calopterygidae SEE Agrionidae			Sweden		7939*	pasture and range		3425 82137
Caloptilia azelella		42721	Utah		45920	Arkansas		3488
Calories SEE UNDER Human nutrition			Washington		97992	Australia		51800
Calorimetry			Czechoslovakia		4613*	Denmark	51659*	51698*
in animal research	41325	41374	deficiency diseases	22189	72308	Great Britain		12922
43765 71720 71834			72771 82305 103870	3703*		Ireland		72040
in poultry research	4174	42027	22239* 31334*	72125*		Jamaica		72068
42045			degenerative diseases	31465*	41588*	Mississippi		72055
in soil research	11191	29472*	62152* 103644*			Puerto Rico		51675*
29485* 39647*			disease resistance	31241	31306	Sweden		103555*
in swine research		42275	72193 22147*	51862*	72275*	Texas		51811
Calosoma inquisitor		33094*	92528* 103699*	103793*		Poland	31174*	31231* 51798*
Calosoma sycophanta		63921*	reviews		41438*	62132* 72052* 72122*		
Calosomini		94912*	diseases	13141 22251	31445	Republic of South Africa		3469
Calotarsa calceata		83958	41579 82211 92511	103868		92274		
Calotermes SEE Kaiotermes			3639* 3660*	13067*	22142*	restricted feeding	72075*	92268*
Calothrix scopulorum		38424	31475* 51852*	72292*	82188*	103542*		
Calpe emarginata	23311	105986*	82236* 92535*	103610*	103620*	reviews	41542	72105 41480*
Calpe provocans		23311	Brazil		82149*	41501*		
Calpocalyx		88347*	control		22959*	seasonal	22061	62122 82125
Calvatia excipuliformis		67990*	Denmark		51711*	92365*		
Calvatia gigantea		69174	diagnosis		103873*	Arkansas		103558
Calves and heifers		13189*	France		82190*	Bulgaria		41647*
abnormalities	3648	13110	Israel		103791	Colorado		31165
31367 51892 62306	103637		Norway		82293*	Florida		62128
103864 3559*	3661*	3718*	prevention	3591	82114*	Great Britain		12923
31471* 62385*	72181*	92579*	Scotland		41594	Louisiana		72109
92599*			Sweden	103747	92463*	Sudan		12854
anatomy and physiology	3715	4360	treatment	12964*	62206*	Sweden	31205*	82097*
4361 12854 12976	13056		82281* 82290*	82298*	103625*	Tennessee		22070
13072 13075 13115	22138		feeding and nutrition	3445	3474	USSR	3449*	3481* 3493*
22201 41568 41592	41595		3479 3487 3492	3497		22036*	31334*	62288* 72038*
41627 41685 51816	51941		3507 3542 12863	12915		72070*	82076*	82079* 82103*
62363 71927 72137	72194		12918 13056 31222	41492		United Arab Republic		51796
72204 72245 82180	82227		22129 25894 41592	51794		feeding and nutrition equipment		64386*
82285 92480 92500	92525		62017 62099 62320	62422		64389*		
103613 103638 103731	103766		72099 72120 72253	82031		grading		35039
103772 103776 103870	103878		82134 92265 92333	92344		growth	3474	3542 3675
3630* 3698*	13002*	13025*	103535 103538	3438*	3480*	12818 12918	22125	22129
13073* 22191*	22223*	31247*	13017* 13018*	13025*	22063*	31165 31354	51723	51794
31457* 31475*	31957*	41648*	22085* 22122*	22160*	22161*			
62187* 62411*	72064*	72136*						

\*Text of this reference is not in English.

Item				Item				Item			
Calves and heifers--Cont				Calves and heifers--Cont				Camellia japonica			
growth--cont				poisoning				Camellia reticulata			
51796	51894	62128	71990	23158	42524	62386		49183	59695		
72097	72120	72255	72294	62422	63517	92524	103613	Camellia rusticana			
72301	81969	81996	82134	103709	105123	31399*	31474*	Camellia sasanqua			
82137	82141	82160	82287	41597*				Camels			
92265	92281	103535	3481*	purchasing				Algeria			
12892*	22160*	22161*	31098*	viability				anatomy and physiology			
31134*	31178*	41551*	51757*	virus diseases				breeds			
51769*	62115*	62132*	62279*	93408	22147*	51823*	92509*	care			
72177*	82076*	82103*	82105*	103648*				history			
92365*	103599*	103814*		watering				mortality			
habits and behavior				weaning				parturition			
71947	13018*		31492	22064	12798	12799	22056	surgery			
hereditary diseases				72245	72335	81969	81996	Camel's hair			
41666*		3600	92582	92274	103565	22108*	31195*	Cameraria			
housing				41597*	72093*			Camerotrombidium			
immunization				reviews				Camula pellucida			
72275*	82183*	103614*	103829*	weight and measurement				33473	64264	95577	
103840*				13008	13075	21979	41716	Camomile (plant) SEE Anthemis			
infectious diseases				51796	51894	62099	71919	Camomile oil			
12949	13024	31316	31377	71978	72068	103548	103689	CAMP test			
31479	41665	51929	62169	103870	12930*	41442*	51653*	Campanula			
62197	62208	62276	62308	51909*	71996*	72038*	103526*	Aegean area			
62335	62363	72161	72287	103806*	103814*	103928*		Afghanistan			
72304	82248	82253	82268	Calvia				Alps			
92439	92540	103697	3562*	Calycanthaceae				cytology			
13054*	22175*	31326*	31328*	Calycanthus				9419*	17700*	67860*	
62367*	62414*	72150*	72234*	Calyceraceae				ecology			
82250*	82266*	92465*	92478*	Calycobolus SEE Prevostea				Greece			
103687*	103899*			Calycophyllum				North America			
Argentina				Calymperaceae				taxonomy			
Czechoslovakia				Calymperes				Turkey			
Denmark				Calyptogea				Campanula lusitanica			
diagnosis				Calyptogea muelleriana				Campanula persicifolia			
Great Britain				Calyptogea trichomanis				1070*		26863a	
prevention				Calyptosepalum				Campanula rotundifolia			
92565*				Calyptozetes sarekensis				603		89270*	
Republic of South Africa				Calyptorhantes				Campanula transtaganata			
reviews				Calyptrotae				88372		36896*	
transmission				Calyptostegia SEE Convolvulus				Campe SEE Barbarea			
treatment				Calytrix				Camphor			
22145*	31287*			Camarosporium				Camphor scale SEE Pseudaonidia duplex			
USSR				Camassia angusta				Campodeidae			
losses				Cambium				Camponotus			
marketing				9376	18507	27460a		Camponotus compressus			
Arkansas				28015	28258	28261	71557	Camponotus herculeanus			
Great Britain				71567	98706	99886	100014	Camponotus ligniperda			
Missouri				100325	100517	18563*	18605*	Camponotus maculatus aegyptiacus			
meat production				61576*	100187*						
62353*	62444*	62455*		Camel meat							
Brazil				Camelina sativa SEE Bigseed falseflax							
Denmark				Camellia							
effects of breeding				anatomy and physiology							
effects of feeding				19114	100156*						
31219	62061	12892*	22035*	breeding							
22120*	41644*	72015*	82114*	culture							
Denmark		22084*	51661*	20054	20080	20100	39270				
51711*	62060*			79632							
Germany				Georgia	20077	20094	27494				
Italy				Great Britain		49242	49263				
Netherlands				90387							
Norway				Indiana			20079				
Republic of South Africa				New York			19997				
Scotland				North Carolina			20090				
Spain				Oklahoma			20055				
Sweden				Rhode Island			19969				
31170*	51717*	51787*	51786*	Scotland			49204				
51787*	92305*	72004*		Texas		20050	20081				
71996*	82118*			Virginia			101273				
USSR				Wisconsin			20072				
Germany				ecology							
Italy				germination							
Norway				hardiness							
Oregon				history							
Sweden				hybrids							
Middle Western States				identification							
Mississippi				injuries							
mortality				judging							
92595*				morphology							
parasite resistance				pest control							
parasites				pollen							
62214	62376	72175	92569	propagation							
103776	104703	3583*	62407*	seeds							
103890*				varieties							
control				Alabama							
22214*	31327*			California							
immunization				District of Columbia							
62211		31429	62213	Great Britain							
				Louisiana							
				Southeastern States							

\*Text of this reference is not in English.





Item			Item			Item		
Carabidae--Cont			Carbaryl--Cont			Carbohydrates--Cont		
taxonomy	105615	14496*	toxicity			in sugar beets	38394*	38395*
33124*	53240*	63961*	Apis mellifera	63774	73339	in sugarcane		38040
94827*	94906*	94970*	94504*			in sweetpotatoes	38394*	38395*
USSR		63936*	beneficial insects		42367*	in swine nutrition		4605
Vermont		94817	earthworms		42367*	in Tetranychus telarius	86507	53202
Western Hemisphere		53239*	fish		104975	in tobacco		99219*
Carabodes		94678	reviews		53055	in tomatoes		58920*
Carabunia myersi		4903	tree pest control	42753		in Triatoma infestans		105084
Carabus	105619	94896*	73329			in Tribolium castaneum		105660
Carabus auratus aufereri		94839*	Carbides	28160*	89714*	in Trypanosomatidae		32994
Carabus coriaceus		94986*	Carbinol	54846	45340*	in wheat	25639	100117
Carabus gigas		73579*	Carbocholine SEE Carbachol			27994*	78579*	
Carabus silvestris blumenthalianus		83868*	Carbocyclic compounds SEE Cyclic com-			in wood	21654	51320
		23892*	pounds			103042*		21700*
Caradrina		5494	Carbohydrazide	3521	33458	SEE ALSO Starches; Sugars		
Caradrinidae		10757*	89839*		89874	Carbolic acid SEE Phenols		
Caragana arborescens			Carbohydrates	25148	55249	Carboline SEE Pyridindole		
Caragana chamlagu SEE Caragana			chemistry	106564	96721	Carbolium		53046*
sinica			determination		74357*	Carbon		
Caragana sinica		90150*	effects on plants	1188	28225	effects on Aspergillus nidulans		18784
Caralluma	54	55	100336			effects on Chironomidae		95039
46877			in Abies sachalinensis		102744	effects on Erysiphe cichoracearum		28161
Carambola	10633	68217	in alfalfa	71611	89712*	effects on Fusarium oxysporum		68955
Carapa procera		81534	in algae		19348	effects on Fusarium solani phaseoli		100237
Carausius morosus	5572*	5582*	in animal nutrition		61661	effects on Gliocladium fimbriatum		100237
53519*	95593*		in apples	9983	47988	effects on Hypomyces solani		68825
Caraway SEE Carum carvi			78715	89363		cucurbitae		68825
Carbachol	22895*	71967*	in beans	38025	48397	effects on Ophiostoma multiannulatum		9887
Carbacholine SEE Carbachol			in Bouteloua		19436	effects on Penicillium digitatum		78952
Carbamate insecticides			in brewing		74638	effects on plant disease		58043
aphid control		93992*	conferences and congresses		44189	9081*	18263*	28147*
effects on animals		63451			78672	effects on plants		50853
effects on Anopheles albimanus		93963	in Bromus inermis		22127*	effects on trees		38203*
effects on Anthonomus grandis		23229	in cattle nutrition	62320	92391*	effects on yeasts		89339*
effects on Culex quinquefasciatus		93963	in cattle physiology	51928*	100117	in algae		71718
fly control	42481	52736	in chickpeas		69171	in animal physiology		48275
in livestock products		73071	in Chlorella oytrenoidosa		78431*	in Aspergillus		78985*
insect resistance		63451	in Chlorocloster engadinensis		19158	in Chlorella		91420*
metabolites		73071	in corn		100318*	in composites		19376
mite control		104989	in cotton	48488	99219*	in Eremothecium ashbyii		68682*
mosquito control		52736	in cucumbers	58920*	19134	in fungi		48032
plant pest control		42481	in Cunninghamella		49504*	in Fusarium solani	9717	72839*
tests	83202*	93992*	in Cyperus rotundus		20765	in Jerusalem artichokes	32252*	89905*
toxicity	23083	105037	in Euphorbia hirta		81674*	in Liriodendron tulipifera		10002
reviews		93937*	in feed	41551	38196*	in Nocardia		38018
Carbamates	29244	29377	in flax		15454	in Picea		58746*
99425*		104113	in food processing		15454	in Pinus		58746*
Carbamide SEE Urea			in forage plants		81643	in plant nutrition	20484	89591*
N-Carbamoyl maleamic acid		78220*	in fox nutrition		104065*	in plants	946	1358
Carbamyl phosphate		19289	in Fusarium solani		9718	38139	68971	69014
Carbaryl			in Galleria mellonella		73804	58885*	100591*	100600*
apple pest control	39070	83418	in grasses	28648	38425	reviews		78368
23344*			107093	51420*		in Quercus		58746*
cattle pest control	4742	63516	in guinea pig physiology		104178	in rice		47945*
chemistry		104989	in hides and skins		55445	in soils	2152	2214
cotton pest control	94277	52900*	in honey		107552*	20488	60111	60112
effects on Aiolopus strepens		13912*	in insect physiology	14911	23487	80071	80077	80087
13932*			in Iris		38111	49730*	49751*	49691*
effects on apples	904	14209	in jute		107144	90926*	90947*	101816*
79494			in Lolium		798*	in sugar beets		78487
effects on Collembola		42367*	in mangoes		89680	in wheat		38043
effects on Culex pipiens pallens		32702*	in Oxycaenus hyalinipennis		43149	in wool		107125*
effects on Macromischoides aculeatus		105270	in peanuts		28298	SEE ALSO Activated carbon		
effects on Oecophylla longinoda		105270	in peas		100238*	Carbon bisulfide SEE Carbon disulfide		
effects on Oulema melanopa		83387	in Penicillium atrovenerum		89827	Carbon black		107856
effects on plants	39027	69736	in Phleum pratensis		78672	Carbon dioxide	52138	60795
forest pest control	94456	105370	in Phyllosticta		89349	application	24270*	38449*
fruit pest control		23030	in plants	24383	69168	determination		74206*
in beans		107252	78909	1299*	96112*	effects on algae	10125	100481
in fruit		84794*	in potatoes	16008	68756	effects on Anacystis nidulans		28327
in plants		84794*	38394*	38395*	48269*	effects on apples	44756	55193
in vegetables		75200	in poultry nutrition		4115*	48360*		21911
metabolites		104989	in poultry physiology	4203*	52265*	effects on bacteria		104001
mosquito control	42544	32702*	62808*	104399*		effects on cherries		48429*
ornamental plant pest control		4877	in pulp and paper	21603	21624	effects on Collembola		32625
physiological action		63389	51229			effects on corn		27927
residual effectiveness		42544	in Rhizobium		101796	effects on cucumbers	28108*	58733*
soybean pest control		42605	in rice		100147*	effects on Dianthus caryophyllus		38096
synergism		32702*	in ruminant nutrition		51388			
tests		32612	in ruminant physiology		30932*			
			41387*					
			in Satsuma oranges		100372*			
			in shrubs		89328*			
			in silage	51418*	51444*			
			in soils	49707	49752*			
			in soybeans		100208*			

\*Text of this reference is not in English.



Item			Item			Item		
Carbon dioxide--Cont			Carbon dioxide--Cont			Carcinoma--Cont		
effects on Diptera	43082*		in sheep physiology	63094		dogs	3781	3782 41769
effects on dogs	72436		in slaughtering	23001*		13229*	52017*	
effects on fruit	44711		in soils	20485	29522	horses		62600
reviews	44789		80104	80121	11299*	sheep		72808 93676
effects on goats	4383		60164*	68166*	79965*	SEE ALSO Cancer eye		
effects on grapes	78488*		102287*			Carcinosarcoma		72272
effects on lettuce	58627	2383*	in tomatoes			Cardamine trifolia		8743*
18812* 38229*	58886*		in vegetables			Cardamon seed		45166
effects on mites		32625	in wheat			Cardanol		96819
effects on mushrooms		58821	in wine			Cardaria		49403
effects on Neurospora		48014	liquid			Cardaria chalepensis		37771
68725			prices			Cardenolide	69240*	69297*
effects on nematodes		5577	Carbon disulfide	11832	63409	89948* 100631*		69313*
effects on ornamental plants	100310		71551			Cardepiia helix		23820*
effects on Orthosoma brunneum			Carbon monoxide	28325	33226	Cardiaspia albitextura	5385	23743
14553 14554 33111	73593		62655 62794	18914*		43055		
73594			Carbon oxysulfide SEE Carbonyl sulfide			Cardiestra n g		23826*
effects on Periplaneta americana		42730	Carbon tetrachloride			Cardiocrinum giganteum SEE Lilium		
effects on Picea		18975*	effects on insects		95576	giganteum		
effects on Pinus		18975*	storage pest control	83511	14233*	Cardiolejeunea n g		99021
effects on plants	9736	27888	therapeutic use	52445	71755	Cardiophorus		94836*
38097 68735 68971	69667		13729* 41623*	92451*		Cardiospermum halicacabum		88599*
78766 84707	89553	9729*	toxicity	31729	52445	Carduoideae		89064*
10122* 28202*	38028*	48490	Carbonates			Carduus	8658*	98914*
58535* 68718*	78570*	78856*	effects on onions		60111	Carduus crispus		11068
effects on potatoes	55163	58669	effects on Pedicularis		99856	Carex		8659*
effects on poultry		32041	effects on trees		58746*	cytology		659
effects on rats		62671	in Cucurbita ficifolia		100197*	ecology	9335*	47666*
effects on Rosa		38433*	in plants		68942	Ecuador		26825a
effects on semen	71942	92989	in rumen		13174	Japan		67857
4465* 52525*			in ruminant physiology		103190	Montana		46857
effects on sheep	63134	42202*	in semen dilution		22024*	Scandinavia		67876*
effects on Sordaria		78534	in soils	11375	49862	soils	68400*	99734*
effects on soybeans		27927	80073 11401*	40046*	49724*	Spain		659
effects on tomatoes	1235	58726*	in wine		15532*	taxonomy		67857
58733*			Carbonic acid	100681	42843*	Carex aristata		8734*
effects on trees		21360*	Carbonic anhydrase	93207	1325	Carex bigelowi		47975
effects on vegetables	10141	69136				Carex curvata		57596*
58566*			Carbonyl compounds		44037	Carex davalliana		88989*
reviews		44789	in barley		44852	Carex inflata		9334*
effects on Vriesia speciosa major			in fats and oils	35202	45133	Carex longibrachiata		70109
fixation	48548	38386*	in fruit		34708*	Carex rupestris		88358*
in Anacystis nidulans		38525*	in fruit juices		25515	Carex transalica		46899*
in apples		19341	in grain		65705	Carex trinervis		46818*
in aquatic plants		83397	in honey		86068	Carica monoica		78190*
in Aztec tobacco		10126*	in malt		44852	Carica papaya SEE Papayas		
in beans		89899*	in meat		45024*	Carinophloeus n g		43001
in beverages		58785	in milk		6405	Carinophloeus raffrayi		43001
in Blastocladiella		96304	in vegetables		6862	Carissa carandas		58541
in blood		89117	Carbonyl cyanide phenylhydrazone		44589	Carlogonus n g		83768*
in cheese		41995			25242	Carmichaelia flagelliformis		18634
in Chinese cabbage		24816*	Carbonyl group	3012	21620	Carnation SEE Dianthus caryophyllus		
in Chlorella	1003	37958	Carbonyl sulfide		68172	Carnauba palm		69007*
48056* 58580*		78899	Carbophenothion		83375	Carnauba wax	16333	6747* 35195*
			Carboxyl group	3012	21558	Carnegiea SEE Cereus		
			100629*			Carnitine SEE Vitamin B <sub>12</sub>		
in citrus		38527	Carboxylases		1425	Carnivorous plants		26787a 46691
in composts		60825	Carboxylic acid		1356	57736 67889	88126	98807
in Fagus		14554	61558 89160	58772*	79795*	712* 27938*		
in fiber analysis		25253	Carboxylic esterases		5569	Carob beans	6565	13442 93164
in fruit		65636	Carboxymethyl cellulose		75560	Carob (tree) SEE Ceratonia siliqua		
in fruit storage	65636	85845	Carboxymethyl cysteine		69185	Carob meal		72561
55162*			Carboxymethylation		51261	Carorita n g		94706
in grapes	58521*	100229*	Carboxypeptidases		44621	Carorita limnaea		94706
in Larix decidua		38451*	Carbyne SEE Berbane			Carotene		
in malt		64963*	Carcasses			chemistry		34005
in meat packing	97141	107618	analysis and composition		12678	in alfalfa		34491* 65232*
in milk		54545	107571			in animal nutrition		3100* 91881*
in molasses		45350*	care and handling		103403*	91887*		
in Nicotiana glutinosa		100561	conferences and congresses		107571	in carrots		895
in Nomadacris septemfasciata		53529	contests		25935	in cattle nutrition		3443 31169
		68888*	disposal		84739*	72046 82135	92281	103563
in olives		38313*	dressing		45090	103594 3502*	92363*	
in Phormidium uncinatum		38451*	grading and standardization		35052	in cattle physiology		3555 82180
in Picea abies		38451*	25926*			in corn		1298
in Pinus cembra		38451*	judging		71845	in Cynodon dactylon		1576
in plants	903	985	processing		86240	in feed	75020*	75053* 81684*
38004 48351	58957	68706	quality		7165	107087*		
69169 78945	89428	89695	yields		3325*	in food		15431
1106* 9771*	19225*	38376*	SEE ALSO UNDER names of animals		21951*	in forage plants		51414 59005
58567* 69009*	69210*		Carcinogenic substances		6011	in fruit		98415*
			17216 27834	33194	54200	in milk	22260	31522 74808
			97184 7570*			74814* 103921*		
in plums		83397	Carcinoma			in muskmelons		57140*
in Populus		68855	cattle		22237	in Pinus sylvestris		78982*
in potatoes		68943*	chinchillas		62579	in plants	1295	18846 3100*
in rubber processing		97411*	coypus		62579	in poultry nutrition		62778
in rumen		13174						
in Schistocerca gregaria		53529						

\*Text of this reference is not in English.

		Item		Item		Item		Item
Carotene--Cont			Carpocapsa pomonella--Cont			Carrots--Cont		
in rat nutrition	82483	92941	control--cont			morphology	652	27625a
in rat physiology		82508	Czechoslovakia		83461*	nematodes	18403	58115
in ruminant nutrition	3069	92941	France		42676*	packing		65556*
in ruminant physiology		81791	Italy		23344*	pest control	13916*	23245*
in sheep nutrition	3443	32212*	Rumania	23338*	63626*	63569*	73236*	94316*
in sorghum		1298	Switzerland		63659*	pests		14533
in soybeans		65232*	tests	4863	14185	physiological diseases		38263
in swine nutrition		52534	Yugoslavia		14179*	planting	10943*	101435*
in tomatoes	79034	98399*	development	84177*	94384*	planting date		59803
in vegetables		75187*	ecology		23338*	pollen		100188*
in watermelons		57140*	eggs		14185	processing		6881
in winter squash		57139*	flight		73277*	proteins		10262
SEE ALSO beta-Apo-8-carotenal;			food and host plants		84177*	seeds	7416*	10943*
Vitamin A			geographic distribution		94384*	storage	79672*	68662*
alpha-Carotene		1443*	habits and behavior		83418	treatment		27235a*
beta-Carotene			insecticide resistance		14185	89749*		895
determination		15923*	23030	32826	52685	soils		63591*
in animal nutrition		3101*	larvae		83421	spraying and dusting		16045*
in butter		74975	life history	23856	83418	storage	6881	96845
in carrots		58603	Lithuania		32866*	69049*		27234
in citrus		6854	mortality		94384*	Texas		27234
in Cryptomonas ovata		28299	outbreaks	83458*	83461*	trade		27234
in Dunaliella salina		78937*	overwintering		43267	Great Britain		1968*
in forage plants		59029*	populations		43280*	varieties	49379	70003
in insect nutrition		33473	predators		63630	59851*		52901
in lettuce		58603	pupae		94384*	virus diseases	9254	52901
in milk		15651	reviews		4861	weed control		
in oranges	57143	15923*	Carpocoris		95259*	chemical		101558*
in plants		54105*	Carpoglyphidae		5100	France		49460*
in poultry physiology		4197	Carpoglyphus lactis		63678*	Germany		39567
in rat physiology		4197	Carpophilus		73568	East Germany		79851*
in red clover		1443*	Carpophilus dimidiatus		83889*	Great Britain		101533*
in vegetables		1398*	Carpophilus fumatus		94841	Italy		39523*
Carotenoids			Carpophilus hemipterus		63941	Norway	70112*	70193*
determination		15923*	Carpophilus lugubris	42625	52891	USSR	11453	52901
in algae		89925	Carpophilus marginellus		42992	yields		87591*
in Ascomycetes		69321	Carpophilus pilosellus		83826	Carthamus oxycantha		32590
in barley		96985	Carposina niponensis		95467*	Carthamus tinctorius	SEE Safflower	62513*
in broadbeans		89398*	Carposinidae		95431*	Cartilage	3795	22646
in Chlorella		69299*	Carrageenin	54292	56554	62995*		42967
in corn	1298	10279	86231*			Cartoderopsis n g		42967
69295	1005*	38621*	Carre's disease	SEE Canine distemper		Cartoderopsis alinae		42967
in eggs		22536*	Carrot beetle	SEE Bothynus gibbosus		Cartography	SEE Maps	
in fats and oils		45115*	Carrot rust fly	SEE Psila rosae		Cartons	SEE SUBHEADS fiber and	
in feed	4082	22536*	Carrot seed oil		7338	fiberboard; paper and paperboard		
in forage plants		45115*	Carrots		20183	UNDER Containers		
in kaki persimmons		34691	analysis and composition		21759*	Cartis	24171	43523*
in kok-saghyz		38524*	anatomy and physiology		895	Carulaspis carueli		53381*
in Lichenes		28329	9254	18921	28203	Carum carvi	29393*	89669*
in malt		96985	58603	58882	68693	Carvalhoia arecae	5414	63641
in Matricaria chamomilla		48553*	37964*	48286*	58823*	Carvalhoiella n g		64083*
in Mimulus		48555	68792*	68831*	69049*	Carvalhoiella beckeri		64083*
in oranges	19253	15923*	89692*		1402	Carventus		95194
in papayas		55017	biochemistry		18090	Carvomenthol	SEE p-Menthan-2-ol	
in plankton		59009	79036	44604	78999*	Carya		8706
in plants	1339	1340	breeding		29075*	New York		4867*
78929	38550*	10246	contamination		42602	pests	42979	53250
in poultry nutrition		82556	75258*			Poland		91512*
in prunes		25348	culture	1926	79646	wood	21500	30633
in sorghum	1298	16079	Arkansas		10905	Carya carolinae-septentrionalis		58342
in sweetpotatoes		18720	Australia		49309	Carya illinoensis		38478
in Taraxacum officinale		58969	Great Britain		49305	anatomy and physiology		10253*
in tomatoes	10192*	89799*	Netherlands		59851*	bark		100686*
in vegetables		96884	Northern Ireland		101426	biochemistry	59094	10253*
in Verticillium albo-atrum		69320	Peru		101377*	costs and returns	10684	87208
in wheat		19440	Poland		90490*	culture	10684	25304
Carotin SEE Carotene			USSR	1953*	29129*	49135	59670	101243
Carouxella scalaris		77478*	Virginia		69973	diseases		99195
Carpet beetles		14247	dried		16011	control	68046	99180
Carpinus	9329*	23392*	enzymes		6736	99225		91047
61174*		30354*	feed		71613*	fertilizers	49955	91047
Carpinus betulus	68378	20045*	fertilizers	11453	37943	fungus diseases		99272
58237*	77410*		flavor and odor		96845	industry	34673	35400
Carpinus japonica		8662	for processing		49298*	pest control	68046	83449
Carpinus turczaninovi		68417	fungus diseases	18090	27080a	99225		42667*
Carpocapsa pomonella		84177	27224a*	88680*	99482*	pests		12103
anatomy and physiology		43267	control	18203*	27235a*	planting		100103
23338*			genetics		99444*	pollination	101245	49136*
Australia		23856	germination	1973*	68662*	propagation		101650
biology	73272	43280*	grading and standardization		25434	soils		99180
control	4840	73272	harvesting equipment		106298*	spraying and dusting		90377
biological	94014	52919*	history		79646	varieties	19923	49135
Canada		23305	irrigation	69049*	89692*	101251	101252	
chemical	32813	42701	keeping quality	16045*	69049*	yields		91047
83421	94399	32822*	89692*			Carya myristiciformis		58342
63617*	63626*	63659*	male-sterile	9573	78242			
Colorado		4864	mechanization		84317*			

\*Text of this reference is not in English.



Item			Item			Item		
Carya pecan SEE Carya illinoensis			Cassava--Cont			Castorbeans--Cont		
Caryedon gonagra	33106		enzymes		28356	breeding	1649	38870
Caryophyllaceae	27615a	99715	feed	4507	41479*	care and handling equipment		48935
9092*	98942*		pests		47112	costs and returns		97189
CAS system SEE Continuous Automated			processing	34786	44724	culture	59406	26914*
Spinning system			products		34681	79378*	101056*	79373*
Casein			propagation		1072*	cytology	78287	58270*
analysis and composition		41915	situation and outlook		96797*	damage		97189
44280	44281	54543	statistics		55218*	defoliation		48930
85293	85338	3466*	virus diseases		77904	enzymes	54689	59098
74755*	85260*	96443*--96445*	Cassava starch		25524	fat and oil content		1313
chemistry	6390	15630	25366*	34697*		feed for silkworms		105489*
24861	54513	65034	Cassella process		85614*	fungus diseases	47411	77753
74816	106896	6367*	Cassia		18855	9154*		
34311*	51552*	54550*	Cassia angustifolia		38577	genetics	78287	78318
96452*	106897*		Cassia burkartiana		36787	germination		89271
reviews		6379	Cassia chamaecrista SEE Chamaecrista			harvesting		100195*
drying		15722*	Cassia fistula		69323	harvesting equipment		101048
in animal nutrition	41915	32393*	Cassia glauca		100619*	hybrids		95880
51521*			Cassida nobilis		42578*	keeping quality		59412*
in buffalo's milk		44280	Cassidinae	94959	94960	marketing		26112
in cheese		65184	5204*		105685	morphology		66059
in colostrum		103841*	Cassytha filiformis		99973	pest control		68548
in insect nutrition		33109	Castanea		59669	planting date		14146
in milk		15622	breeding		90374*	processing	35178*	19684
22905	44280	54554	coppice	21263	21079	properties	86324	97200*
62043	65069	31454*	culture	101253	49140*	pruning		48318
34320*	41706*	72839*	cytology		102562*	seeds	48935	89271
85299*	96434*		ecology		18564	89476		
in sheep nutrition		104612	fungus diseases		12037*	situation and outlook		48155
in wine manufacture		24621	Italy	18129*	47196*	statistics		107724
in wood processing	61368	81480*	77645*	77764*		storage		26112
manufacture	34440	106930*	Switzerland		77649*	toxicity		62607
processing	6386	65187	genetics	809	37877	varieties	1649	19690
properties	6386	34440	history		19925	48939	48297*	59412*
74754	85338		hybrids	809	37877	waste	50097	60439
quality		65184	measurement		40651	yields		97202*
trade			morphology		21150*	84318		
Poland		76748*	pests		68429	Castration		81800*
alpha-Casein	6390	62044	production regions		84088	cattle	3542	82294
65099		65069	propagation	101253	101256	51877*	82308*	103853*
beta-Casein	54652	62044	soils	12079	40568*	dogs		41787
kappa-Casein	6390	65069	varieties	101362	47196*	horses		104095
103841*			wood		90374*	poultry	62791	22601*
analysis and composition		24824	Castanea crenata		37163	rabbits	104531	63008*
54490			Castanea dentata	18100	19929	rats		92943*
in milk		85316	36907			sheep	52357	52379
processing		65187	Castanea mollissima	19928	28928	72734	72806	93588
properties		65099	culture		1814	104616	104716	22819*
Casemaking clothes moth SEE Tinea			hybrids		101255	104598*	104709*	
pellionella			morphology		19931	swine	4569	4582
Casous lymphadenitis	104652		varieties	39120	101254	22940	42287	13821*
52452*			Castanea sativa			52619*	63284*	63320*
Caseyidae	83762		anatomy and physiology		28231	104872*		93875*
Cash crops			28232	18857*		SEE ALSO Capons; Spaying		
California		45782	culture		40590*	Casts		3517
costs and returns	45907	76427	cytology		58292*	Casuarina		17569
developing areas		74469	germination		68736*	Casuarina equisetifolia	4903	12458
India	19460	40274	pest resistance		94475*	81553	11237*	18643*
Japan		29130*	Castanea vulgaris SEE Castanea sativa			Casuarina glauca		12458
Michigan		76424	Castanopsis		98867*	Catabola		84172*
New Guinea		64726	Castanopsis cuspidata		68418	Catabothrus n g		5598
Papua		64726	Castanospermum australe		21642	Catabothrus nilgiriensis		5598
Cashew (tree) SEE Anacardium			Castellanosia caineana		611*	Cataglyphis bicolor		83883*
occidentale			Casticin		28289	Catalase		
Cashew juice	10026	16050	Castilleja		99541	effects on bacteria		43924
Cashew nutshell liquid	34690	44775	Castilleja coccinea	2043	90682	in Aspergillus niger		19411
107727	107737	85719	Castor oil	55662	27989*	in blood	4123	103223*
Cashews	15914	35191	analysis and composition		26099	in cattle physiology		3568
Brazil		54957*	55664*			in cheese manufacture		107021
India	44576	46425	dried	16270	23026	in corn		38540
processing		98297	hydrogenation		65967	in feed		107097*
shells		25508	keeping quality		55667	in honey		65778*
trade		107254	processing		26112	in plants	38111	55386
Europe		46404	storage		35181	89563*		10163*
India	46425	57025	Castorbean meal	41482*	41483*	reviews		48627*
Cashmere		54907*	41531*	73454*		in seeds		19437
Casuarina		95279*	reviews		44407	in soils		80108
Casoron SEE 2,6-DBN			Castorbeans			in wheat		38634*
Cassava			abnormalities		9370	Catalectis		105936
anatomy and physiology		1072*	analysis and composition		75701*	Catalpa		2068*
bacteria		6015	anatomy and physiology		18827	Catalpa bignonioides		100733*
bibliographies		20356*	48318	58540	89681	Catalpa ovata		100733*
biochemistry		28356	bacterial diseases		88862	Catantopinae		95594
culture		79900*	biochemistry		1313	Catapodium maritimum		88414*
diseases		47112	59001	59098	69314	Cataracts	22477	30902
			59088*	79016*	100692*	92899		92681

\*Text of this reference is not in English.

	Item		Item		Item
Catasetum warszewiczii	79578	Cats--Cont		Cattle--Cont	
Catathelasma imperiale	47025*	diseases--cont		breeding--cont	
Catch crops		Hungary	52035*	Canada	103505
culture		transmission		China	103510*
Germany	10298*	to man	52056	conferences and congresses	
East Germany	10299*	treatment	3804		103471
19467*	69362*	82369	3784*		103435*
89987*	90192*	104011*	31606*	Congo	92183*
Japan	29728*	estrus		Czechoslovakia	103454*
mountain areas		feeding and nutrition	3779	Denmark	81992*
Poland	2235*	72366		effects of age	31111
USSR	1454*	deficiencies	13222*	103652	103851
10489*	79702*	genetics	22316	21991*	31423*
90126*	90516*	habits and behavior	41799	51684*	71946*
Yugoslavia		72447*		effects of disease	72236
Germany	7864*	history	31633	effects of feeding	12853
100757*	10289*	immunization	13289	62121	72074
East Germany	10442*	infectious diseases	52020	3484*	3505*
89971*	90577*	injuries	41748	51799*	72065*
irrigation		metabolism	31606*	82121*	103367*
Japan	19465*	parasites	82397*	Europe	51683
mechanization		pest control	42488	Finland	92221*
Poland	2394*	pests	73143	Florida	103777*
soils	29801*	poisoning	23117	France	51672
USSR	90054*	reflexes	52048	Germany	51685*
Catechin SEE Catechol		regulation and inspection	22332	3398*	71952*
Catechol	6321	respiration	17203	72152*	92147*
59093	64977	restraint	93551*	East Germany	3402*
74662	10234*	surgery	3817*	Georgia	31097*
69198*	69334*	13293	41767	Ghana	92170
100717		103994	104043	Great Britain	51652
d-Catechol		touch	72417	Hungary	92149*
Catenella n g		trade	92756	hybridization	3354*
Catephia alchymista		Great Britain	17203	41442*	92218*
Caterpillars	43303	virus diseases	41774*	Angola	3514
as pests		82364*		Brazil	12852*
biology		SEE ALSO names of anatomical parts,		Bulgaria	21985*
Canada		body fluids, diseases and other		Denmark	12816*
control	4789	pathological conditions, operations,		Estonia	21980*
105229*	105353*	parasites, and pests		Germany	62114*
diseases	33375	Cattaloos	81936*	East Germany	51658*
feeding habits	95457	Cattle	92210*	Great Britain	71955*
food and host plants		abnormalities	71846	Hungary	92199*
habits and behavior		71939	72209		12844
outbreaks		103905	21985*	41446*	41411*
parasites	95071	41704*	21995*	61988*	41469*
predators	23675	62427*	72267*	103491*	103417*
preservation		reviews	92178*	India	92245
sonification		accounting	41438*	Italy	92245*
SEE ALSO Lepidoptera, larvae		adaptation	31139*	Poland	103425*
Catharanthus pusillus		92420	62106	reviews	92205*
Catharanthus roseus SEE Lochnera		71966*	92192	Rumania	82024
rosea		12627	41445*	Sardinia	82004*
Catharosia lustrans		92420	31114*	Rumania	103482*
Catharsius	14522*	71966*	92377*	Sweden	81981*
Catheters	30895	Albania	31126*	USSR	81991*
92397*	41608	Australia	71963*	Virgin Islands	12778
Catholics in Wisconsin		Germany	3361	inbreeding	103453
Cations SEE Ions		East Germany		51671*	92198*
Catocala fraxini		USSR	92223*	India	92253*
Catocala ilia		Venezuela	92233*	Italy	61956
Catocala nupta		age	71960*	21976*	31108*
Catopidae		103645	103689	71907*	81955*
Belgium		72064*	82107*	Japan	61990*
Brazil	5136*	103426*		Kenya	92202*
Bulgaria	94972*	Albania	103934*	legislation	31104
Greece	94870*	anatomy and physiology	22174	linebreeding	62013*
Morocco	94874*	31451	51814	mountain areas	71912*
Paleartic Region	94873*	62398	93649	Netherlands	12789*
Poland	94873*	13165*	22040*	81962*	81972*
Catopinae		41566*	51866*	New Zealand	103501
Catops		82316*	92102*	Nigeria	61985
CAT		106455*	92241*	Poland	92142*
Cat flea SEE Ctenocephalides felis		reviews	65131*	31099*	51684*
Cat-scratch fever	81789	and disease	41591	71969*	92159*
Cat test		as laboratory animals	103772	92251*	92164*
Cats		associations	3405*	Portugal	41425*
abnormalities	104050	13183*	51689*	research methods	
age	3895	breeding	62007	statistical	
as laboratory animals		62007	71982	92231*	92238*
72446	92755	103483	103497	31134*	61962*
breeds		22139*	31074*	103434*	62014*
care	22371	62455*	66950*	Rwanda	92160*
color		92197*	92204*	seasonal	61992
cytology		Africa	31118*	71904	21991*
diseases		Albania	31485*	71906*	31134*
control		Angola	71944*	Australia	12799
diagnosis		Australia	81960	Belgium	12814*
		Belgium	75503*	India	3409
		Brazil	12839*	Venezuela	71960*
		Bulgaria	51655*	Surinam	92189*

\*Text of this reference is not in English.



Cattle--Cont				Cattle--Cont				Cattle--Cont			
breeding--cont				breeds--cont				breeds--cont			
Switzerland			71909*	Gir	61946	12776*	82016*	Red Sindhi		3514	21989
Taiwan			31102*	Guernsey	12840	41693	61941	22031	71948	71901*	
Turkey	12802*	51909*	92262*	62047	71976	103444	103453	Red Steppe		3399*	31126*
USSR	12781*	71931*	71961*	71889*				71963*	81938*	81977*	81991*
Uruguay			41425*	Hariana	3358	3365	3366	82308*	92158*		
breeds	3361	3368	31079	31087	41413	41568	51959	Rumanian Brown		31134*	82004*
41465	51688	71920	82001	62030	71904	72097	92166	Rumanian Spotted		51682*	82003*
103645	103689	31118*	31134*	92192	92328	103441		82004*	92224*	103468*	
61953*	71936*	81947*	81981*	Hereford	12805	12828	12884	Sahiwal	3409	61992	71951
82000*	82005*	82017*	82022*	41415	41460	41467	51643	92245			
82168*	92145*	92179*	92221*	51793	61943	61978	71898	Salers			51685*
103479*				71911	71915	71972	71973	Sanho			41444
Aberdeen Angus	12828	12863		81931	81941	81952	81969	Santa Gertrudis	22010	12845*	
22008	31083	41435	61942	81996	82027	82160	92140	Schönhengst		103576*	
61972	61978	71972	71973	92155	92187	103427	103429	Shorthorn		81953*	
81994	92200	92206	92227	103451	103513	103609	103925	Silesian Red		61993*	
97030	103414	71955*	81938*	107656	12785*	21985*		Simmental		12809*	21993*
82015*				Highland (Germany)			51680*	71886*	71903*	82015*	92233*
Red			81950	Holando-Argentino			13067*	Sofia Brown		51653*	62045*
Abundance			41416*	61960*				Spotted Mountain SEE German			
Afrikaner			31073	Holstein Friesian	3369	3379		Simmental			
Alatau			3378*	3380	3600	12801	12818	Sussex			3420
Allgau			12823*	12840	13175	21988	22032	Swedish Ayrshire	3372*	3382*	
Ankole			31141	31142	41433	41476	51643	Swedish Friesian		31094*	
Apulian			92454*	51693	61980	62009	62017	Swedish Polled	71939	31094*	
Ayrshire	3420	12794	12840	62047	62106	62280	71976	Swedish Red-and-White		3397	
13072	41595	62047	71976	82180	82305	92245	92246	71977			
81935	81942	76822*		92281	31093*	51669*	82216*	Swiss Brown	31121*	71907*	
Beef Shorthorn		3408	31092	92185*				71909*	73088*	82014*	107638*
71972	71973	92155	103494	Hungarian Brown			92186*	Tagil			22002*
Black Pied Danish			51660*	Hungarian Grey	41446*		92218*	Tarentaise			21981*
Black Pied Lowland			3376*	Hungarian Red Spotted			3371*	Telemark	103462*	103463*	
3383*	3495*	12846*	21983*	13015*	31346*	41410*	41411*	Texas Longhorn		61971	
22028*	22029*	31089*	31171*	41446*	41469*	61988*	71921*	Tharparkar	31111	92209	
41442*	51671*	62000*	71886*	92146*	92162*	92178*	92182*	92557	103459		
71931*	81938*	92177*	92199*	103417*	103452*	103492*		Welsh Black		3418	
92253*	92264*	103426*	103448*	Israeli Friesian			21971*	West African Dwarf Shorthorn			103562
107638*				Japanese			62110*	Whiteheaded Colonist			81975*
Boran			12807	Jersey	3514	12840	31306	Yaroslavl		3392*	61998*
Brahman	12863	41460	42523	41693	51781	62047	62245	Yellow Hill		12852*	62023*
61978	71898	87705	92187	62326	71951	71976	3360*	92239*	92240*		
51675*				3371*	3403*	3724*	12815*	Zebu	3361	3433	3434
Bragus			51675*	41442*	51657*	51658*	51765*	12828	22071	51712	51793
British Friesian		3416	41693	51770*	61988*	62000*	71901*	71899	71951	72197	81960
81943	92154	103449	92264*	92199*	103448*	103464*	103491*	3705*	13723*	21980*	31084*
Brown Alpine		22108*	51630*	Kankrej			22011	41471*	41472*	51667*	51728*
103465*	103466*			Karacabey-Montafon			103814*	92102*	92282*	92283*	107638*
Brown Mountain		3371*	12802*	Kenana			12854	carcasses	3416	7190	7204
12810*	82003*	103468*		Khillari		61946	62022	25952	92268		
Brown Swiss		12840	41476	Kholmogor			82087*	analysis and composition		3542	
62047	71976	12790*		Kostroma		41410*	41411*	12901	13210	16198	16203
Bushuev			107638*	41446*	41447*	41469*		51643	62009	71898	71899
Calabrian			92235*	Kula			51655*	71973	75556	103845	107595
Central and Upper Belgian			75503*	Latvian Red		21965*	21982*	107599	31291*	61960*	
Charbray			51675*	21991*	92377*			contests	25945	55493	55494
Charollais		12844	21979	Limousin	41461*	62023*	92150*	grading and standardization		22308	
21992	51666	62034	21980*	92239*				41694	55475	82158	86183
92146*	103417*			Maine-Anjou		51663*	71941*	86187	97123	107649	3677*
reviews			82024	Marche	22018*			62462*			
Chiana	41423*	51677*	71902*	92204*				judging	25921	25924	25925
81955*	92207*	92217*		Maremma		31125*	41423*	25927	55494	65897	55489*
Criollo			103415*	71902*				quality	3736	22132	25934
Czechoslovak Red Spotted			22012*	Meuse-Rhine-Yssel			62272*	51695	51809	51977	62445
22224*	92212*	103454*	103504*	92248*				82075	103353	103682	107649
Dairy Shorthorn			3407	Milking Shorthorn	12840	62047		3745*	13126*	31171*	42334*
Damascus			81946	71976	81933			51787*	55489*	61953*	72148*
Dobruja			51682*	Montafon			62114*	82118*	92150*	103928*	
Drakensberger			71957	Montbeliard			82006*	reviews		103885	
Dutch Friesian		3394*	31112*	Murnau-Werdenfels			31129*	weight and measurement		3460	
31413*	62272*	92144*	92246*	N'Dama	103706	51644*		3472	25933	25939	62349
East Flemish Red Pied			12814*	Nganda		31306		82294	82309	86171	86183
92156*				Nigerian Shorthorn		103706		97133*	97135*		
East Friesian			92193*	Normandy		41425*	71952*	yields	25920	71899	81968
Estonian Red		71955*	71956*	North Holland			92144*	82309	86174	41423*	71902*
Finnish Ayrshire			3382*	Ongole			12796*	75649*	97133*		
French Friesian			21995*	Parthenay			51641*	care	3315	82013	92662
Friesian	22116	51796	71982	Piedmont	51649*	81955*	103447*	103868	31086*	51825*	
72316	82018	82246	3349*	Pinzgau	51673*	82004*	92237*	Czechoslovakia			62429*
3486*	31076*	31098*	31108*	Polish Red		3384*	3412*	Denmark			51637*
31109*	62427*	81955*		71886*	81938*	92159*	92164*	Germany			
Friesland		41556	51809	92205*	92251*			East Germany	51990*	72106*	
Galloway		12849	92174	Red Danish			71976	Great Britain		51637*	
German Brown			71962*	12852*	51660*	103476*		Hungary		31495*	
German Red		92169*	92223*	Red Pied Friuli		21976*	62001*	Italy	51996*	92632*	
German Simmental			12789*	Red Pied Lowland			71890*	Peru		92588*	
31171*	62000*	92241*		Red Poll	3388	12834	12840				
				71976							

\*Text of this reference is not in English.

	Item				Item				Item		
Cattle--Cont				Cattle--Cont				Cattle--Cont			
care--cont				embryos--cont				feeding and nutrition--cont			
Republic of South Africa	72322			anatomy and physiology	3570			feedlot		92356*	
seasonal	62468*	72100*	92644*	13055	13173	62348	72192	Finland	103567*	103590*	
Sweden			22294*	3685*	22239*	31248*	31489*	France		22118*	41535*
Switzerland			12994	51952*	82176*	82191*	82199*	Germany	3505*	41533*	62117*
China		103943*		disease resistance			62367*	66926*	72041*	82038*	86768*
color		21989	81950	diseases			51863*	92310*			
conferences and congresses			51964*	mortality	3525	41585	51890	East Germany	3610*	12917*	
contests			4613*	3653*	31348*			31177*	31201*	34497*	
cooling			72119	viability			72199	35538*	51747*	62096*	
costs and returns	35043		87203	equipment	43517*	84274*	95690*	Hungary	62138	12891*	64396*
87228	51818*			Germany				82083*			
Germany	76443*	108554*		East Germany	5731*	53972*					
East Germany	22293*	92663*		73955*				Illinois			93611
108553*				New Zealand			12868	in pregnancy		3489	22061
Great Britain		7931		estrus	3379	3380	3670	62422	92309	51798*	82235*
Hungary	56599	56598*	87199*	12992	13047	13179	22228	India	3494	62093	92284
India			7933	41605	62298	71947	72135	Ireland			3478*
Netherlands			76457*	72178	82185	82186	82246	Italy	51719*	51810*	51996*
Norway			35920*	92170	92480	103673	103725	65227*	71995*	82132*	92279*
Scotland			16908	3604*	3679*	12993*	13009*	Japan		12924*	31194*
Switzerland	45928*		82340*	13013*	13019*	13039*	13112*	Kenya			51713
USSR			76291*	22021*	31365*	31398*	51872*	Michigan			103592
culling	13128*	13204*	13282*	62262*	62339*	62369*	62409*	Netherlands			81972*
82340*				72138*	82260*	92479*	92559*	New Zealand			72776
cytology	3532	3651	3715	Ethiopia			3731*	Norway			87206*
41565	62419	82019	82232	Europe			103479*	Pakistan	41520		103520
103488	3370*	13154*	30949*	farms and ranches				pasture and range	12870		12892
51851*	51877*	51919*	92400*	Brazil			13195*	31218	47683	82061	82116
103456*				cooperatives			87075*	82165	103572	72111*	103533*
deficiency diseases	92419	92513		Germany				Australia	12884		13659
103671	13099*	62232*		East Germany	3440*	10465*		19601	22778		
diagnosis			103733	Hungary	56598*	92628*		Austria			92335*
Japan			103762	management			56417	Brazil			48897*
prevention			103557*	Bulgaria			56475	Canada			103574
digestion	3439	3444	3448	Germany	16863*	45779*		Czechoslovakia			22114*
3654	62065	62080	72043	86996*				Finland			103566*
72046	72091	72784	82061	East Germany		56380		Florida			1639
82119	82204	82230	82296	3402*	22293*	45813*		Germany	92359*	31202*	62127*
103719	103895	12910*	22075*	76287*	103917*	108553*				92368*	
31457*	41621*	41696*	51752*	Hungary			31495*	East Germany			7998*
51832*	103820*	103871*		Italy	16827*	92632*		48922*	72106*	103583*	
dipping	42509	83247	105050	New Zealand		108476		Ghana	68839	72054	103562
disease resistance	13132*	51928*		Poland		95915*		Great Britain			99774
62221*	71963*			Rumania		62014*		Hungary	62144*		92361*
diseases	31249	31451	41684	USSR	3733*	16817*	51739*	Ireland			19609
62159	103676	103710	103868	76291*	86972*			Italy			103922*
103876	12929*	62388*	72147*	Yugoslavia			56384	Japan	31236*		91640*
82282*	92472*			mountain areas			22293*	Louisiana			3455
Africa			72179	Netherlands			92640*	Malawi			41489
control	22226	31451	62248	Poland	43749*	72343*		Netherlands			39667*
71894	72296	82179	92440	Republic of South Africa		31073		New Mexico			28698
103726	31210*	31347*	41672*	Southern Rhodesia		12855		New Zealand			103537
72000*	72347*	103675*		Sweden		31511*		Poland	69570*		72019*
Brazil			41723*	Tanganyika		86965		72058*	72073*		
Czechoslovakia			92506*	USSR		31517*		Republic of South Africa	103569		31147
Germany			62357*	feed relationships	3487	22129		103569			
Italy	3278*	51818*		51746	103561	41508*	51757*	Southern Rhodesia			41489
Maryland		3635		82107*	92169*	92268*	96960*	Switzerland			62074*
Nigeria		92142*		feeding and nutrition	12911	22037		Uganda			51746
Republic of South Africa	103678			22039	41561	41625	62106	USSR	3431*		31153*
Switzerland	82256*			62123	62296	72074	72116	Yugoslavia			41549*
Virginia	82297			72229	82077	82119	103527	Poland	41530*	51795*	54707*
Czechoslovakia	92528*			103530	103608	3565*	12876*	82084*	82120*	82131*	92273*
diagnosis	92488	13028*	22261*	31227*	31408*	51740*	62113*	92332*			
31320*	103708*			75001*	82039*	82058*	92194*	recent developments			103586
effects of age			72290	92291*	92316*	103581*	103820*	Republic of South Africa			3498
effects of feeding			51917	Africa				62119	103582	103678	
France			41535*	Australia	31230	41485	72060	research methods			
Germany	31202*		82173*	Austria			97966*	statistical			12893
Netherlands			103695*	Belgium			72020*	Rumania	62133*		92340*
Peru	51940*		92588*	Brazil	82117*		92272*	Scotland			41513
prevention	103797	31318*		Canada			107082	seasonal	3436*	3502*	12886*
62287*	92552*			Colombia			31211*	31154*	51803*	72085*	72111*
reviews			3534	conferences and congresses			41553	92320*	92327*	103871*	
transmission	94232	41689*		costs	87228	31176*	84389*	Australia			22106
treatment	51938	22411*		Austria			97966*	Denmark			12909*
31322*	31472*	41278*	41590*	Louisiana			41478	Germany			62101*
92499*				Michigan			72049	East Germany			82081*
Tropics			72168*	deficiencies			41495	Louisiana			3455
Turkey			13101	82177	103847	105108	3451*	New Mexico			28698
draft	22089	82313	31513*	3484*	22057*	31101*	82078*	Poland	82112*		82113*
92313*	92327*			Germany				Republic of South Africa	103550	103569	22089
ecology	51995	103429	92615*	East Germany			12922*	Scotland			52389
embryos	3514	3683	51857	Hungary			103419*	Sweden			82128*
103735	103808	62343*		Norway			51738	USSR	72100*		92329*
				Estonia			72108*	Southern Rhodesia			12855

\*Text of this reference is not in English.



	Item				Item				Item		
Cattle--Cont				Cattle--Cont				Cattle--Cont			
feeding and nutrition--cont				herdbooks--cont				industry--cont			
Sweden	22075*	71985*	82065*	Jersey	31096	71891	81932	India			86086
Tanganyika			31207	3401*	71959*			Italy	7114*	55392*	
Tropics			12908*	Kerry			41462	Netherlands		3367*	
Uganda	3433	3434	92280	Lincoln Red Shorthorn			21998	Southern Rhodesia		7099	
USSR	3424*	12925*	31235*	Meuse-Rhine-Yssel			92258*	infectious diseases	41336	62330*	
51739*	51788*	53671*	62109*	Red Danish		22019*	31127*	Australia		72236	
72026*	72030*	82045*	82082*	31128*	103489*	103490*		Great Britain		62191	
92354*				Simmental			22020*	immunization		3717	
feeding and nutrition equipment			15095	Sussex		62037	82020	Japan		3594*	
73995	84389*	84393*	84401*	Welsh Black			62054	Netherlands		62397	
fertility	3345	12798	12853	hereditary diseases	12977		52077	Norway		103813*	
22163	31133	31283	31451	103511	103705	103898	31169*	Pakistan		62352	
51724	62017	62121	71894	history		41727	65788	reviews	62285	62167*	
71908	71930	71954	71990	Africa			72354	transmission		103813*	
72120	81993	82018	92139	Canada			61943	injuries	55475	92384	103827
92222	103446	103689	103704	Czechoslovakia	92212*		97051*	41418*	62184*	62234*	103634*
103735	103766	103819	3377*	France			82023*	103653*	103800*		
3385*	3400*	3402*	3415*	Great Britain			16195	foreign objects	82212	3697*	
12785*	12875*	21970*	22001*	India			51954	12945*	13079*	13130*	22168*
22085*	31086*	31108*	31109*	Latin America			35930*	51891*	82154*		
31132*	31423*	41420*	41471*	Republic of South Africa		31073		prevention		72297*	
51678*	51799*	51909*	61944*	housing	5897	15284*	15298*	treatment	103666	3614*	
61970*	62027*	62059*	62113*	62088*	92190*	103675*	103924*	13023*	31274*	31366*	31477*
71905*	71953*	71960*	71966*	bibliographies			74202	judging	72319	12838*	22252*
71967*	72065*	72267*	82069*	Bulgaria			53929*	Germany			
82121*	92151*	92194*	92204*	construction	15314*	24223*		East Germany	92153*	92179*	
92255*	92267*	103495*	103580*	33853*	43776*	53948*	84657*	Poland		62449*	
reviews			103439	84688*	84689*	96000*	106450*	labor	7702*	7703*	
fossil			41609*	costs	24226*	53972*	72342*	France		84682*	
France			82005*	74217*	84682*			Germany	66504*	86768*	
genetics	3345	3346	3365	Czechoslovakia	92612*	106467*		East Germany	31176*	35538*	
3369	3397	3414	3416	Denmark		84671*		Poland	45549*		86744*
12788	12794	12795	12797	designs and specifications		41604		lactation	3483	3607	3642
12829	12843	12940	22010	43749*	96001*	96002*		3678	13085	13103	22072
22013	31122	41459	51634	Germany	43763*	43784*	53909*	22141	31290	31451	41318
51648	51693	61945	61955	53969*	53979*	62468*	64603*	41614	51871	62016	62024
61996	62024	62043	62044	84660*	95969*			62056	62283	71908	71977
62048	62056	62164	71893	East Germany	5903*	5931*		72253	82287	82351	92148
71911	71919	81900	81950	31176*	31185*	33849*		92473	92568	103528	103611
81974	81984	81996	81997	64597*	73955*	84656*		3580*	3609*	3674*	13066*
82007	82012	82019	82021	106431*				13083*	13084*	13166*	22028*
82036	92140	92144	92172	Great Britain	5900	24242		22136*	22137*	22253*	22275*
92203	92209	92245	92260	31494	74203	53941*		22288*	31162*	31227*	31280*
92261	92265	103429	103433	humidity	33842*	53926*	82316*	31408*	31415*	41442*	41668*
103502	103505	103506	3376*	Hungary			106469*	51669*	51981*	62158*	71890*
3385*	3761*	12809*	21970*	Ireland			15299	72136*	82143*	82148*	82280*
21982*	21985*	22018*	31114*	Italy	5915*	43778*	92632*	92397*	92472*	92602*	103617*
31125*	31439*	41454*	51669*	103922*				103684*	103728*	103849*	
51677*	51679*	51680*	61954*	Japan	33522*	33843*	33856*	legal aspects	31439*	51815*	62293*
71892*	71916*	72240*	72270*	33883*	33884*			Lithuania	2376*	64600*	72342*
81947*	81995*	92163*	92226*	Netherlands			53922*	litter	62017	3338*	3571*
92234*	92247*	92255*	103492*	Northern Ireland			74192	longevity	13128*	13155*	72154*
research methods				Norway	24242	53954*	53955*	losses	22016	41591	51837
statistical	51635*	81945	31074*	Poland	53943*	74214*	74215*	103809	103824*		
reviews			41438*	84695*				Albania			71887*
Germany			92678*	Rumania	24227*	24241*		Estonia			92536*
grading	92611	31497*	97135*	sanitation	31502	53801		Germany			82173*
growth	3416	3575	22265	33852*	84688*	92560*	95995*	East Germany			22302*
62017	71915	103574	41472*	Scandinavia			84667*	Italy			13122*
61988*	63481*	82015*	103896*	Scotland	43777	82042		Netherlands			62360*
reviews			103885	Sweden	31404*	53928*	53940*	Pakistan			62255
habits and behavior	13191	31228		temperature	3315	15284*		Texas			94127
41715	51743	62123	62451	15320*	33842*	43786*	51953*	USSR			51916
72115	72118	72328	92653	51985*	53926*	53945*	64623*	marketing			
82350*	92624*	92670*		74204*				Arkansas			65857
herd size			35902*	USSR			33845*	California			35043
herdbooks	31097*	41453*	61951*	ventilation			53983*	France	72132*	72160*	
61994*	71936*	71949*	92225*	64619*				Germany		7140*	
Aberdeen Angus	62008	103413		hybrids		82001	81936*	India		35048	
103477				identification		22310	51983	Nevada		35032	
Australian Illawara Shorthorn				51984	92622	92623	92641	Pakistan		107619	
			41408	97132*				Sierra Leone		65861*	
Beef Shorthorn	51681	103493		immunization		103858	72201*	Sweden		31511*	
Belted Galloway		61950		indemnities		16187	13204*	meat production	61953*	92637*	
Canadian		31135*		India			72321	Brazil			13195*
Dairy Shorthorn	22022	62028		industry			65814*	effects of age	103520	13126*	
71964				Africa			75516	effects of breeding	3420	81996	92203
Dexter		61965		Australia	86080	86120		3420	81996	92203	92146*
Dutch Friesian		92259*		Austria		13208*		92239*			
Groningen		92257*		Brazil		12796*		Albania		92158*	
Guernsey		103443		European Economic Community			16185*	Denmark		51658*	
Hereford		51640		Florida			87705	Estonia		71955*	
Highland (Scotland)		71922		France			16185*				
Holstein-Friesian	41436	51651		Germany							
61987	71924	81970		East Germany		92663*					
92184	103455										

\*Text of this reference is not in English.

	Item			Item			Item	
Cattle--Cont			Cattle--Cont			Cattle--Cont		
meat production--cont			milk production--cont			pest control--cont		
effects of breeding--cont			effects of feeding	31500	71999	France		94247*
France		41461*	82215	103548	3504*	Georgia		42534
Germany	62023*	92240*	92169*	103438*		Germany	14056*	52813*
East Germany		92199*	Austria		31213*	East Germany		52787*
Hungary		41449*	Germany		62111*	India		63508
Italy	41423*	51663*	Poland		72018*	Iowa		4765
	103424*			72098*		Japan	32735*	92516*
Sardinia		103482*	Rumania		22113*	Kentucky		94158
Sweden	22000*	92181*	USSR	22038*	22040*	Louisiana		14078
USSR	3399*	71903*		31173*	31225*	Maryland		63449
	81991*			41541*	92295*	Mississippi	73148	105130
effects of disease	22184*	31291*	effects of housing		74195*	New Jersey		32677
31435*	41630*		effects of milking		13017*	North Dakota		52773
effects of drugs	13082*	31282*	13170*	15099*	92621*	Northern Ireland		42533
72285*			103661*	103921*		Papua and New Guinea		63443
effects of feeding	22116	12858*	Ethiopia		12807	policies and programs		23174
45938*	92167*	92239*	France		13081*	Southwestern States		23131
Albania		92158*	Germany	3727*	62430*	Sudan		63471
Austria		31213*	Hungary	56599	62440*	Sweden		73145*
Germany	62023*	62111*	India		82313	Texas		63497
Hungary		41554*	Poland		72325*	USSR	23146*	94085*
Poland	82106*	92289*	research methods			Wisconsin		42479
Republic of South Africa		51809	statistical	3764	31500	pest control equipment		23118
reviews		41509*	reviews	103439	62275*	pest resistance		4699*
USSR		82050*	seasonal	13214*	22288*	pests		73167
effects of temperature		3724*	reviews		41707*	94147	105108	4699*
France		41725*	Spain		31506*	83222*	94116*	94187*
Germany		92666*	USSR	51847*	62452*	Argentina		105088*
Hungary	56599	62440*	United Arab Republic		31522	Australia		94172
Italy		92618*	models		41605	Bulgaria		83210*
Netherlands		42334*	mortality	62216	72172	Colombia		32660*
Poland		92637*	103887	22283*	62269*	habits and behavior		43082*
Portugal		82336*	multiple births		3366	India		83802
reviews		41707*	3575	3651	22158	Indiana		73137
Spain		31506*	41459	41664	51857	Italy		41571*
Sweden		41712*	72116	72294	82019	Japan		52792
USSR		82308*	92206	92537	103502	New Jersey	14016	23142
mechanization	15314*	24048*	22152*	31439*	41621*	New Zealand		52817
33541*			62115*	62176*	62267*	Nigeria		71778
reviews		24024*	71962*	82257*	82276*	Peru		51940*
metabolism	3442	3477	Norway		41453*	Poland		83237*
13153	22099	22138	ovulation	41605	62280	Rumania		63454*
22201	31451	41684	103766	31312*	103730*	Spain		94235
62320	63451	72104	Pakistan		22031	Texas	52778	94127
72311	82055	82088	parasites	13213	92386*	Turkey		94156*
82851	92484	103870	Brazil		72148*	USSR	52764*	94155*
3657*	3676*	13099*	control	42332	73148	poisoning	3537	3584
22191*	31233*	31420*	Germany		13146*	3658	3704	13014
31957*	41668*	51880*	Philippines		72298	22207	23158	31392
51928*	51941*	62286*	parturition	3343	3421	42525	51837	62204
82039*	82235*	82257*	3650	12994	31141	62336	62340	62607
92298*	92392*	92436*	51998	82249	92402	63140	63446	63479
92496*	92520*	92539*	103440	103923	3663*	72124	72159	72196
103213*	103684*		12988*	51926*	62228*	72239	73005	82142
reviews		72217*	62469*	71906*	82234*	82169	91931	92383
milk production	3597	13047	92553*	92595*	96000*	103681	103707	103709
3392*	22169*	71906*	103937*			105123	3623*	22244*
92404*	92485*	92515*	pedigrees	3412*	13192*	41634*	41636*	51920*
103844*			51679*		22020*	92555*	92580*	103897*
Austria		103911*	Hungary		92186*	Argentina		12985*
Brazil		13195*	Poland		81982*	Australia		72226
Czechoslovakia	3699*	22012*	Switzerland		82014*	Brazil		20228*
103728*			pest control	4709	4712	France		31239*
effects of age	13155*	22253*	13923	13995	13997	Great Britain	12987	31276
31423*	82006*	92591*	14034	14053	14081	India		72264
effects of breeding		3409	23127	23132	23143	Japan		3603*
31500	71904	92203	42493	42509	42523	Nevada		20226
12838*	41442*	61979*	63472	73125	73132	Poland	3633*	3667*
103438*		92163*	83236	94203	14037*	South Dakota		51840
Czechoslovakia		103504*	63494*	83252*		Sweden		72153*
France	41461*	82006*	Argentina		73165*	Utah		72188
Germany		92215*	Arkansas		63447	Wisconsin		82286
Hungary	41410*	41411*	Australia		4742	policies and programs		75518
	41446*	41469*	biological		42461	71969*		
	103492*		Canada	23177	39444	pregnancy	3365	3489
India		103441	chemical	23125	52790	3525	12994	13008
Poland	3383*	3384*	63499	63518	83247	31290	31303	41598
	31089*		63524*	94057*		51890	62157	62363
Rumania	82003*	103468*	Arkansas		63509	72237	72269	103631
USSR	3378*	21983*	Australia		105050	103689	103716	103851
	21993*	71980*	Canada		105126	12814*	13159*	22173*
effects of disease	22203	22234	Nigeria		63516	31268*	31300*	31398*
22212*	22257*	31391*	USSR	94054*	94167*	31426*	51895*	51909*
82143*	103777*		Washington		83221	62059*	62272*	62367*
effects of drugs		62378	Wisconsin		83241	72198*	72347*	82257*
72285*	82194*	92490*	Florida		94072	103684*	103806*	103941*

\*Text of this reference is not in English.



Cattle--Cont				Cattle--Cont				Cauliflower--Cont			
pregnancy--cont				taste				cooling			
diagnosis	3683	22225	22229	temperature	3627	13047	72137	costs and returns			6886
22230	72170	72222	72310	31255	61978	71982	22195	culture			66757*
12950*	31439*	41653*	72244*	12910*	31242*	82216*	72142	Australia			20159
72260*	82217*	92489*	92562*	theft		51960	103916	Finland			1972*
implantation			72139*	trade			87705	Japan			90543*
prices	35788	55516	107656	Africa			21981*	Netherlands			39393*
86197*	107655*			Canada			103505	Peru			101377
production regions			65788	France		21981*	45008*	Poland	20186*	39377*	90528*
purchasing			97116*	Great Britain			108887	diseases	47477	58094	57759*
records and testing	31085*		72262*	Italy			45008*	fertilizers			29800
Finland			103777*	Jamaica			103788	fungus diseases		27105a	27161a
Germany	3727*	62430*	92666*	Mexico			36222	genetics			58471
East Germany		92193*	103937*	Poland			87686*	hardiness			39393*
Hungary		13200*	22300*	transhumance		62245	3770*	harvesting		10927	20129
Italy			22284*	62456*				keeping quality			6886
Mississippi			92633	transportation		41685	31268*	marketing			75251*
Netherlands			81962*	31488*	92541*	95935*		nutritional deficiencies			47967
Poland			71936*	Tropics		3617*	31352*	1030*	37982*	58523*	58767*
Switzerland			3387*	types		72334	92420	69001*	100342*		
Venezuela			13192*	Germany		71981*	92240*	packing			6886
reflexes	3372*	13083*	13084*	Ghana			31507	pest control	4796	23251	83293
13166*				Hungary			62440*	pests			100342*
research programs			82170	reviews			62275*	planting			101436*
respiration		51674	103870	Spain		3728*	31506*	propagation	49319	49393	99554
22142*	82190*	82216*		Uganda			51894	storage	107349	34806*	55205*
respiratory diseases		3584	41291	vices			103737*	75296*			
causes	3660*	22155*	92509*	virus diseases			72238	trade			
immunization			13100	Denmark			92409*	Germany			57048*
prevention			12975*	Netherlands		62391*	72288*	transportation			66757*
treatment			92494	North Dakota			3259	varieties	58471	70002	79693
restraint	72341	92639	43517*	Sweden			82202*	29102*	90543*	101436*	
51632*	103737*	103742*		watering	13997	31255	62080	weed control			59999*
sanitation	103797	3754*	51899*	62106	103707	5925*	84384*	yields	10927	20129	29800
72152*	92499*	92595*	103915*	92320*	92322*	103554*		Caulobacter			6*800*
selection	61955	81984	3391*	weight and measurement			3627	Caulophyllum			27571a
15099*				12850	13001	22071	92537	Causarium n g			53174
India		41465	12824*	103689	103900	3392*	3556*	Caustic soda SEE Sodium hydroxide			
Italy			92207*	3694*	3699*	12852*	13129*	Cautery	13273	53465*	61878*
Rumania			92176*	21991*	22000*	53674*	62074*	Cavariella aegopodiae			52901
USSR			3535*	62179*	71909*	92207*	103566*	Cave fauna			94813
shelters	62398	5929*	96025*	103662*	103728*	103806*	103820*	Bulgaria			94870*
shows	71968	72322	72358	SEE ALSO Beef cattle; Bulls; Calves				California			83762
situation and outlook	55400		55516	and heifers; Dairy cattle; Dual-				collections			83796
Belgium			25807*	purpose cattle; names of anatomical				France	73565*	94787*	94846*
Czechoslovakia			25790*	parts, body fluids, diseases and				Gabon			95623*
France			16186*	other pathological conditions,				Israel			14996
Germany			65850*	operations, parasites, pests, and				Italy		33038*	33047*
Hungary			75518	products				Japan			84188*
Italy			107585*	Cattle biting louse SEE Bovicola bovis				Malaysia			23595
Mississippi			86090	Cattle chutes			74002	Mexico		33035*	73560*
Poland			65789	Cattle follicle mite SEE Demodex bovis				New Zealand		53144	53269
7101*	34969*	34975*	86087*	Cattle grubs SEE Hypoderma				105612			
slaughtering	51970	62009	62451	Cattle guards			43752	Portugal	73486*	73562*	73888*
72333	3745*	13197*	41644*	Cattle tick SEE Boophilus annulatus				Siely			53351*
51852*	51925*	72212*	82274*	Cattlelea				Turkey			106105*
California			35043	anatomy and physiology			48131	West Virginia			23570
costs		22295	86214	48343				Cavelerius			84052
Czechoslovakia			22213*	Brazil			36809	Cavernous sinus			41587
Germany				breeding		39164	79636	Cavity spot			
East Germany			72361*	culture	10773	39157	101335	carrots			38263
Great Britain			92639	hybrids		10824	10853	CCC SEE (2-Chloroethyl) trimethylam-			
Guatemala			103621	Japan	88420*	88421*	90479*	monium chloride			
Japan			31324*	morphology			9519*	CDAA			27972
Norway		13184*	87206*	planting			28996*	CDEC		27972	50791
Poland			62444*	taxonomy			8747	Ceanothus	1840	1891	10832
Republic of South Africa			31304	varieties	39215	101314	79638*	88788			
statistics	7231*	35136*	55562*	Cattlelea amethystoglossa			36809	Ceanothus cordulatus			81037
Sweden			22286*	Cattlelea granulosa			36809	Ceanothus prostratus			39305
United Arab Republic			82208*	Cattlelea guttata			36810	Ceanothus pumilus			39305
Yugoslavia			62203*	reviews			77336	Ceanothus velutinus		17709	17975
statistics				Cattlelea superba			39212	Cebalgoides n g			42917*
Germany			107691*	Cattlelea violacea SEE Cattlelea superba				Cebionidae			94909
India		7227	35135	Catullaria			14771*	Cecal worms			
Italy	31109*	55392*	65850*	Caucalis anthriscus oil			75735	geese			22613
97116*	97178*			Caudothrips buffai			43339*	poultry	13570	41959*	62815*
study and teaching			62459*	Caulerpa charoides			88491	62843*	71705*		
surgery	3538	3632	3636	Caulerpa veravalensis			88492	resistance			62805
12976	13004	31142	41598	Caulerpa verticillata			182	treatment	42032	32007*	62881*
41628	51691	62394	72128	Cauliflower				93379*	104442*		
103666	103772	103808	3629*	abnormalities			20186*	turkeys			82602
22021*	31289*	31302*	31314*	anatomy and physiology			38238	Cecidomyia brachyntera			53015*
41578*	51824*	51874*	51952*	48293*				Cecidomyiidae			
62029*	62312*	82273*	82301*	bacterial diseases			99554	Alaska			95091
92441*	92469*	92501*	92596*	biochemistry		69158	69272*	anatomy and physiology			95068
103656*				breeding		49392	59780*				
sweating	3626	51865		conferences and congresses			96772*				

\*Text of this reference is not in English.

Item			Item			Item		
Cecidomyiidae--Cont			Celery--Cont			Cells--Cont		
and plant disease		14199*	fungus diseases--cont			tobacco	18359	99640
Arizona		73669	control	77661	18118*	tomatoes		18308
as pests	73248	83485*	germination		58642	Tradescantia		754
biology		95001*	harvesting		25387	Tradescantia virginiana		78128*
control	4911	14272	industry	75245	25327*	trees		100652
83306*	83356*		irrigation		58642	Trillium erectum		38563
ecology	5246	14601	marketing		25387	Tsuga canadensis		51373
73229*	94285*		nutritional deficiencies		27884	wheat	27475	9394*
flight		73228*	58791*			yeasts	19251	27569
food and host plants	5287	42628*	planting		49377	9430*	68515*	78687*
habits and behavior		95035	prices		65568	Cellulase	1363	6671
immature stages		95001*	storage	6860	85820	41000	41129	41130
India		95029	varieties		29052*	41139	41148	44061
Japan		43074*	weed control	70065	49454*	88903	96735	106165
larvae	14657	105775*	yields		38000	64960*	65308*	65703*
life history	43072	95035	Cellager		1061*	Cellulose		
Netherlands		14653	Cellars		54000*	alkali	15843	25269
New Zealand		5340	Cellobiose		34556	75097	21686*	81571*
outbreaks	32761*	52850*	Cellocidin	18253*	37410*	analysis and composition		21560
parasites		14657	Cellon		12268	21693	25120	34556
populations	5246	73228*	Cellophane	8604	24485	81571*	84782*	85625*
pupae		23713	Cells			bibliographies		41142
rearing and breeding		94285*	Acheta domesticus		78153	chemistry	3012	21699
reproduction		105775*	algae	19348	27652	25180	25242	25281
San Salvador		105743*	animals	4557*	51460*	34534	51328	54887
taxonomy		33197*	92728*	103225*		61572	71482	71551
USSR		83968*	Antheraea eucalypti		33443	74341	96719	103028
Cecidophyes ribis		32855	apples		85868	6020*	21696*	21698*
and plant disease	83469---	83471	Aspergillus nidulans		100057	61493*	61566*	65311*
control	83463	83472	barley	18585	99913	84782*	91760*	80076*
83444*	105310*		beans		27490a	conferences and congresses		21683
host plant resistance		83471	beets	27590a	89334	41142	51321	61567**
Cecropia moth SEE Hyalophora cecropia			Bracon		5486	decomposition		21638
Cecum			broadbeans	100585	19000*	29531	29554	38503
cattle		31263*	Chara australis	99882	99883	71618	75141	2681*
dogs		103993	Chlorella		58349	22827*	25240*	39807*
poultry	22649	4188*	Chlorella pyrenoidosa		78226	82830*	100545*	101788*
sheep		4418*	Chrysocoris purpureus		5413	101819*		101806*
swine	4562	4497*	citrus	661	662	deterioration		25166
Cedar blight			Coleus		99899	digestibility	4397	72057
Juniperus		99457	corn	99913	99911*	81811	103230	4418*
Cedarwood oil		102988	Cunninghamella		27607a	21764*	53578*	82788*
Cedrela serrata SEE Toona serrata			Diptera		5336	ethanolysis		65328*
Cedrela toona SEE Toona ciliata			Drosophila	5300	33133	hydrolysis	21694	23736
Cedrus		8683	grapes	18786	52910	65328*	107135*	
culture		61085	grasshoppers and locusts		106094	in Bromus inermis		47985
cutting systems		102471*	insects	33010*	83725*	in coffee		106861
Great Britain		57568	Jerusalem artichokes		9850	in cotton	6671	15843
growth		102549*	Laminaria hyperborea		27611*	25149	25166	25172
measurement	61002*	71081*	Larix decidua		37774	25242	25248	34534
pests	94460*	105399*	legumes		54996*	34547	34614	34632
USSR	61010*	102454*	Lygaeus kalmii		5399	54884	54887	65241
102529*			Micrasterias rotata		27491a*	85619	85642	96719
Cedrus atlantica	61140*	78232*	Nitella	78655	69062*	96749	107115	107177
Cedrus atlantica glauca		1834	Nitella flexilis	10045*	68974*	15879*	34595*	65308*
Cedrus deodara	21649	27428a	69119*			85625*	96715*	107135*
77365*	78232*		oats		48610	in Dactylis glomerata		47985
Cedrus libani		61140*	onions	9440*	68525*	in feed	22116	25075
Cedrus libanotica SEE Cedrus libani			78166*			51423	52392	82767
Ceiba pentandra		48794*	peas		37639	4497*	6554*	22530*
Celaennorrhinus		95484	Pediastrum		99856	54731*	62772*	65198*
Celama		105962	Pediastrum boryanum		18549*	107090*		107083*
Celastraceae		57573	Periplaneta americana		64262	in fibers		25185
Celastrales		57550	plants	751	984	in food		106583*
Celastrus paniculata	26973a	28336	9386	9397	9412	in forage plants		30814*
98890			9515	10012	18490	in grasses		3434
Celcure		39403	18631	21711	21716	in Lolium		798*
Celeriac		20197*	27626a	28387	37811	in plants	48542	80026
Celerio lineata	23860	33352	37988	38163	47789	48389*		40058*
Celery		73810	58316	58344	58352	reviews		38602
analysis and composition		6740	58676	58768	58938	in reeds		25240*
25347	34694		68577	69018	69267	in straw		25240*
anatomy and physiology		27884	78474	89122	99838	in sugarcane		66254
38000	58531	58933	99929	99932	99942	in tobacco		66252*
biochemistry		37201*	99971	100000	100009	in trees		100588
costs and returns		7947	100294	100337	100386	in wood	30710	102907
culture			621*	684*	705*	21684*	21686*	21696*
Florida		58642	991*	9407*	9434*	21702*	30705*	34537*
Great Britain		101380	27620a*	32634*	37748*	81500*	103035*	
Italy		49359*	47705*	58867*	58905*	irradiation		34534
Japan	49320*	90548*	78168*	78224*	78405*	manufacture	51087*	61553*
Netherlands	39375*	39376*	99884*			mulch		1061*
diseases	23216	58075	Rhodotorula glutinis		68515*	oxidation		15843
fertilizers	49377	49987	Scenedesmus quadricauda		78090	polymerization		34552
flavor and odor		65438	Schistocerca gregaria		33464	21685*	21686*	
for processing		49359*	33465			processing	34632	61561*
fungus diseases		355	sugar beets	47718*	100018*	61573*	65311*	75128*
37351	37201*	28377	sugarcane		78662	reviews		71547*

\*Text of this reference is not in English.



Item			Item			Item		
Cellulose--Cont			Census--Cont			Cephalosporium--Cont		
products	27382	21697*	agriculture--cont			India	232	67980
properties	21578	25269	Pakistan	34212	44129	plant parasites		68154
44441	54884	75097	Republic of South Africa		24579	Cephalosporium diospyri		9166
91761	30715*	61467*	54369			37389	99369	
reviews		71553	Rumania		85066*	Cephalosporium gregatum		337
structure	3008	21688	Spain		15502*	Cephalotaxaceae		8716
21701	21708	34614	Sweden		74557*	Cephalotaxus drupacea	SEE	Cephalotaxus
91761	91781	21695*	Taiwan	106747--	106756*	harringtonia drupacea		
61551*	65328*	107135*	Venezuela		24589*	Cephalotaxus fortunei		28359
reviews		71485	Vietnam		44137*	Cephalotaxus harringtonia drupacea		
study and teaching		51321	equipment		84260*		28359	78187
51333	51334		forestry	30189*	60910*	Cephalotini		64153*
terminology		106583*	fruit		65646	Cepheidae		5116
tests	21578	75079*	horticulture	64913*	86542*	Cephenemyia		5244
utilization research	25145	25177	livestock	107837	65959*	Cephenius	95081*	95083*
alpha-Cellulose		21584	Germany	65850*	65851*	Cephidae		83432*
Cellulose acetates	12433	12435	107692*			Cephonodes hylas		106014*
21603	30706	61563	India	35135	65954	Cephus cinctus	23789	42609
Cellulose fibers		6685	Poland		35133*	63588		63553
analysis and composition		25226	Sicily		16261*	Cerambycidae		
51235	51236	30714*	USSR		16263*	abnormalities		33089
51238*			population			anatomy and physiology		43036*
chemistry	6670	25115	Austria		98137*	as pests	23602	94900
85577	107152	54793*	Costa Rica		76547*	Asia		105368
reviews		54858	Germany			Asia Minor		94824*
deterioration		6625	East Germany		56719*	Australian Region		94848*
India		44521	India		76551	biology	43032	73594
manufacture			Panama		87351*	94848*	105645*	
reviews		54810	Rumania		85066*	breeding places		33112
processing		34577	Switzerland		27043*	Canada		94867
properties	6625	15810	27044*	46066*	46067*	Central America		63916
41140	44449	107132	67072*	67073*	98089*	control		53042
34635*			swine			ecology	14554	83903*
reviews		54863	Centaurea	970	149*	Europe		94890*
spinning		44458*	17680*	49401*		food and host plants	94867	42762*
structure	25251	103027	Centaurea carthamoides		89231*	94486*	94890*	
15846*	15853*		Centaurea jacea	18541*	18711*	France		94486*
tests		34537*	64118*			geographic distribution		63948*
textiles	65253	65270*	Centaurea repens	20215	101589*	Great Britain		5178
reviews	54817	54871	Centaurea scabiosa	9568	19100*	habits and behavior		5134
USSR		15879*	Centaurea solstitialis		49534	identification		63960*
Cellulose nitrates	SEE Nitrocellulose		Centaurium		17814*	immature stages		14512
Cellulose xanthate	21577	51245	Centaurium umbellatum	9527*	68591*	larvae	33111	63928
44458*			Centipede grass	SEE Eremochloa ophiu-		14500*		73593
CELO virus	SEE Chicken embryo lethal		roides			Mexico	23593	53241
orphan virus			Centipedes	SEE Chilopoda		83823		63916
Celosia argentea cristata		27213a	Centrifugation	14309	18502	mortality		53042
Celosia cristata	SEE Celosia argentea		66074	72730	103851	Neotropical Region	83836	5216*
cristata			86415*		78224*	14583*	23629*	63983*
Celtis occidentalis	42775	91565	Centrifuges	14536	43459	North America	5176	105649
Cement	101281	24642*	55847	55860	55924	Oriental Region		14512
43401*	43815*	53606*	74066	75857--	75859	Paleartic Region		94848*
Cement dusts	101917	60408*	107365	7442*	7464*	parasites		53042
Cemile		15371	25002*	26306*	53726*	pupae		33111
Cemlostoma sinuella	SEE Paraleucop-		55640*	55882*	66242*	respiration	14553	33112
tera susinella			86490*	91909*	95902*	Sicily		83827*
Cenangium ferruginosum		57951*	96581*	96634*	97441*	taxonomy	94900	23630*
88775*			Centris derasa		95285	53297*	105611*	42962*
Cenangium singulare		99372	Centrolepidaceae		37690*	Thailand		94985*
Cenchrus		36820*	Centrolepis aristata		37690*	Yugoslavia		43013*
Cenchrus barbatus		14086	Centrolobium		71510	Cerambycinae	105649	14583*
Cenchrus ciliaris	28681	69135	Centromerus albidus		23550*	94985*		37662
Cenchrus longisetus		17708	Centromerus serratus		23550*	Ceramiales		88478
Cenchrus setigerus	48880	100445	Centronia		88345	Ceramiella		88478
Cenocephalus		94930*	Centrosema floridanum		17718	Ceranium		46955
Cenococcum graniforme	88145	88146	Centrosema pubescens		47193	Ceramius lusitanicus		64164
101830			Centrospermae	36817	59054	Ceranisus		53433
Cenopalpus pulcher		105295*	Centrospermales	18647	18648	Cerapachyinae		95361
Cenophengus		23627*	Centrospora acerina	27080a	27108a	Ceraphronidae	43201*	43202*
Censorinus		73733*	Centrotus cornutus		94462*	Cerapteryx graminis		33358
Census			Centruroides limpidus		23151*	Cerastium	46863	67853
agriculture			Centruroides sculpturatus		52815	Cerastium dichotomum		17695*
Austria	64910*	64911*	Ceocephalus	5141*	42968*	Cerastium epiroticum		8728*
Belgium	34196*	64318*	Cephaeline		38521*	Cerastium vulgatum	29167	29239
Canada	15485	64914	Cephaelis		57507	Cerasus	SEE Prunus	
54368*			Cephaelis ipecacuanha		89654	Cerataulina		67927
Germany		36058*	Cephaeleuros virescens		8893	Ceratinini	23797	23810
Ghana		85072	Cephalophora tropica		100336	Ceratispa (Ceratispa)		73572
Hungary		24576*	Cephalocapsus		14746*	Ceratispa (Metallispa) n sgen		73572
Illinois		54354	Cephalocera		53305*	Ceratispa (Papuista) n sgen		73572
India		44122	Cephalochrysa		83957	Ceratitis capitata		
international		54370	Cephalomutilla zelichi		64140*	anatomy and physiology		5227
Iowa	44123	108571	Cephalophyllum		26839a	control	32825	83401
Italy		44126*	Cephaloplagia n g		95072	biological		105274*
Kenya		34213	Cephalorrhynchus		57647*	Central America		94354*
Malaysia		24574	Cephalosporium	9012	19142	chemical	63601	63676
Norway		54366*	biochemistry		1397	105304*		52907*

\*Text of this reference is not in English.

Item			Item			Item		
Ceratitis capitata--Cont			Cercospora--Cont			Cesium--Cont		
control--cont			India	47049	67972	in beef		35075
Mexico		94401*	peanuts		47230	in cabbage		84930
dissemination	14632*	105769*	sugar beets	47274	47237*	in cherries		58600*
France		105293*	Cercospora beticola	9000	9034	in feed		106967
Italy		42669*	18119*	27222*	68126*	in food	15440	57094
longevity		14632*	beets		88839*	43925*	54096*	74352*
populations	94387	73618*	sugar beets	10536	99326*	in grain		65701
pupae		5341	Cercospora cladosporioides		99309*	in Liriodendron		18834
quarantine		94354*	Cercospora coffeicola		57990*	in meat		107641*
rearing and breeding	93996*	105249*	Cercospora concors	99328	37180	in milk	20508	34394
Republic of South Africa		94387	Cercospora duddiae		9096	44329	54499	65119
sterilization	93996*	105249*	Cercospora ficariae		67937*	in peas		69032
surveys		83955*	Cercospora handelii	18217*	37355*	in Picea abies		100380
tagging		105761*	Cercospora jasminicola		47381	in plants	58844	10093*
Ceratitidis rosa	32825	73618	Cercospora kikuchii		88777	48118*	69150*	90959*
Ceratium carolinianum		67916*	Cercospora magnoliae		36993	in potatoes		55189
Ceratocystis	67978	83460	Cercospora magnoliae		57871	in soils		39702
Ceratocystis clavata		94860*	Cercospora mali		722	in tea		15533*
Ceratocystis coerulescens		18188	Cercospora musae	421	57885	in wheat	69032	69033
38631*	59076*	100701*	9044	27101a	27102a	Cestodes SEE Tapeworms		
Ceratocystis fagacearum		9014	58022	77787	18194*	Cestrinus punctatissimus		105635
47331---47335	57896	58002	95921*	99290	68121*	Cestrum		57507
77848	99304	99378	Cercospora ocimicola		218	Cestrum diurnum		69186
Ceratocystis fimbriata		9085	Cercospora pakistanica		26947a	Cestrum parqui		89787*
88737	99422	57933*	Cercospora ricinella		77753	Ceterach officinarum		46941*
Ceratocystis ulmi		47243	Cercospora sequoiae juniperi		99285	Cetonia aurata		94524
48514	63697	77780	Cercospora sorghi		47291	Cetoniidae SEE Scarabaeidae		
99268	99288	99356	Cercospora viticola		48393	Cetoniinae	23767*	63964*
73725*			Cercosporae	17894	47049	94918*		
Ceratoderus		53252	Cercosporaella herpotrichoides		27120*	Cetraria ciliaris		19287
Ceratogomphus		14940	68114*		57904*	Cetraria cucullata		17918*
Ceratoma trifurcata		42645	control		37383*	Cetraria pinastri		57668*
Ceratonina siliqua	41040	29422*	grain	77662	27121a*	Cetyl alcohol SEE 1-Hexadecanol		
Ceratopetalum gummiferum		69882	99403*		783*	Cetyl dimethyl benzyl ammonium chlo-		
Ceratophyllidae	5634	73671	Triticum		47955*	ride		104427*
95000			wheat	88750	27120a*	Cetyl trimethyl ammonium chloride		104427*
Ceratophyllum demersum		10137	57903*			Ceuthophilus guttulatus		64248
98948*			Cercosporina SEE Cercospora			Ceuthorrhynchus SEE Ceutorhynchus		
Ceratophyllus rusticus		5627	Cercyon laminatus	5143*	83890*	Ceuthospora		67966*
Ceratophyllus vison		94257	Cerdistus		95061*	Ceutorhynchus	73215*	83337*
Ceratopogonidae			Cerebrospinal fluid			Ceutorhynchus assimilis	23267*	32779*
Africa	5255*	53315*	cattle		82180	52835*		
anatomy and physiology		53324	dogs	72381*	72407*--72409*	Ceutorhynchus interjectus		94849*
Australia	14639	14640	rabbits		104551*	Ceutorhynchus moelleri		33105
and disease		14004	sheep		63074	Ceutorhynchus pleurostigma		63572*
breeding places		95110	swine		52553	105209*		
China	95114*	105785*	Cerebrospinal nematodiasis		42194	Ceutorhynchus quadridens		94265*
Denmark		95063	Cereclor SEE Paraffin chlorinated			94850*		
habits and behavior	14662	33187	Ceresa bubalus SEE Stictocephala			Ceutorhynchus turbatus		5185
identification		53315*	bubalus			Ceylonocotyle nasmarki		82834
India		5266	Cereus		38374*	Chadisra		43277*
Iran		64030	Cereus giganteus	9346	36875	Chaemaenerion SEE Epilobium		
larvae		95110	48249			Chaenomeles	57664	88413
North America		73684	Ceriagrion		23958	Chaenomeles lagenaria		101354
oviposition		53324	Ceriagrion sakejii		23958	Chaenorrhynchus minus		37622
Paleartic Region		105706*	Ceriosporopsis		9535	Chaerophyllum	98918	3633*
parasites		77478*	Ceriosporopsis calyptata		8876	Chaetocnema	14562*	43006*
Poland		95006*	Cerium	2170*	48118*	Chaetocnema breviscula		4814*
Sikkim		53325	Cermatulus nasalis		105048	Chaetocnema concinna group		43006*
surveys		33187	Cerobates		14510*	Chaetocnema tibialis		4814*
taxonomy		5255*	Cerodontha		23700	Chaetomella	8863	8875
USSR	33193*	53317*	Ceropaliniae	5479	14818*	Chaetomium	88503	9395*
Ceratopteris		47720	Ceropegia dichotoma		121	Chaetomium globosum	40849	81390
Ceratopteris thalictroides		27554a	Ceropegia sandersoni		48495*	12263*	12287*	58026*
27584a	99964*		Ceroplastes pseudoceriferus		23768	biochemistry	1279	38503
Ceratosolen	33304	95309*	105859*			Chaetophorales		88458
Ceratostomella fimbriata		25498	Ceroplastes rusci		94380	Chaetophorella		14725*
Ceratrachia		95484	Ceroplastes sinensis		105820*	Chaetophorinae (Hemiptera) SEE Chaito-		
Cerceris blakei		23791	Ceroptera		33188	phorinae		
Cerceris robertsonii		95347	Cerotelium fici		27143a	Chaetophorini		14725*
Cercis canadensis		90418	Cerotoma trifurcata		32791	Chaetophyes		53408
Cercis siliquastrum		18550*	Ceroxys urticae		73649*	Chaetopsylla trichosa avicenni		23955*
Cercocarpus betuloides		49823	Cerrena SEE Daedalea			Chaetoscelis n g		5297*
Cercopidae			Ceruloplasmin		104635	Chaetosiphon		23766
Congo		14770*	Cerura		14875*	Chaetospermum		57737
control		23183	Cerura vinula		105939*	Chaetostevenia carmela		14661*
cytology	95235	105844	Cerurina n g		14875*	Chaetotaxy	14575	64209
ecology		95271	Cesarean section	3204*	3226*	Acarina		94712
eggs		33255	cattle	103735	103808	Allocaeculus catalanus		94696*
nymphs	5394	105844	3624*	3709*	13168*	Chelonethida		73546*
parasites		4903	51883*	92455*	103884*	Culex pipiens		105806*
populations		95271	dogs		31569	Drosophila		5264
Cercopinae		105844	horses	41840	3956*	Drosophila melanogaster		5308
Cercopoidea	14732	53408	31692*			14618		
Cercospora		99113	sheep		63120	Grapholitha funebrana		33353
bananas		88716*	swine		32432*	Grapholitha molesta		33353
beets		47237*	Cesium					
			in animal physiology	90959	91982*			
			reviews		91982*			

\*Text of this reference is not in English.



Item			Item			Item		
Chaetotaxy--Cont			Changa SEE Scapteriscus vicinus			Cheese--Cont		
mites	23538	23554	Chanootin		103032	Cheddar--cont		
Odontotermes obesus		95643	Chaoborinae		84021*	reviews		15748
Oribatei		94721*	Chaoborus astictopus	13926	13970	starters		15733
Pentatomidae		43172	14019	73690		chemistry	85305	34453*
Speleognathinae		42915*	Chaparral	20910	38306	74807*	96405*	96424*
spiders		73514*	38296	68393	79310	reviews		96435*
Toxorhynchites rutilus septentrionalis		33222	Chara	26922a	88463	Cheshire		74978
Chaff	15076*	15082*	Chara australis	48046	48047	color		54617*
102030*	53771*	84530*	48084	48323		conferences and congresses		15599
Chagas' disease			anatomy and physiology		99843	15600	74718	96562*
Chile		52795*	cytology		99883	consumption		85395
control		23136*	morphology		99843	containers	44339*	96529*
diagnosis		32700	Chara vulgaris	986*	18544*	96534*		
transmission	3217*	64087*	27504a*			contamination		74750
83259*			Chara zeylanica		37850	44321*	54600*	96488*
reviews		83243*	Characeae	38066	36972	costs and returns		76401*
Chains		64558*	18562*		48044	Cottage		44264
Chaitophoridae		84053	Charadracarus grandjeani carinthiacus			advertising		85373
Chaitophorinae		95169*			14466*	analysis and composition		44296
Chalastregastras SEE Symphyta			Charaxes		53506	54547	15660*	
Chalcididae			Charcoal	30676	69028*	bacteria		24822
control		42563	fertilizers	12044*	12066*	care and handling		44358
Finland		14808*	history		102986*	containers	44336	6465*
hosts		23811	industry		91738	dried		54547
Japan		43206	manufacture	2992	6765	Germany		98404*
nutrition		14806	71519*	81522*		keeping quality	24822	106966
Ryukyu Islands		84084	India		41037	manufacture	15728	15754
Chalcidoidea			Japan		81529*	24982	54659	54670
Africa	95309	73748*	properties		99581	85479	25043*	34420*
anatomy and physiology		95308	statistics	30670	30675	costs		6497
Australia	14834---	14836	utilization research		51284	nutritive value		98404*
as parasites	95277	84071*	SEE ALSO Activated charcoal			quality	15728	24982
Brazil	5444	14840*	Charcoal rot			situation and outlook		44246
collections		95291	sorghum	47244	68127	tests		24822
Czechoslovakia	64151	95317	Chard		10957	curing	54662	34405*
Europe		84073*	Chariotheca		105613	44372*		
geographic distribution		95293	Charips		43209	reviews		15748
host animal relations		33344*	Charitopimpla		53424	defects	24929*	34392*
host plant relations		95308	Charlock SEE Brassica kaber			74871*	85410*	96501*
hosts	64155*	84090*	Charontinae		105571*	Domiat		34447
India	43187	95349*	Charophyceae		37686*	Drakensberg		96366
Netherlands		64147	Charophyta	17860	67919	drying		24964
Oriental Region		105906	88474	17854*		Edam		54658
rearing and breeding	33294	84090*	Chasalia		89*	analysis and composition		44300
taxonomy	33319	33320	Chasminodes		106065*	manufacture	85450*	96579*
73776	84091	95288	Chauliognathini	105630	105631	96580*		
84077*	95307*	95310*	Chauliognathus	105630	105631	Emmental	24783*	44332*
USSR		73767	Chaulmoogra oil		7276	98266*	106872*	74688*
variation		95293	26117	45182		analysis and composition		24816*
Chalcodermus aeneus			Chazara briseis		95369*	manufacture		34435*
control	23269	32808	Cheatgrass bromes SEE Bromus tecto-			74963*	96642*	96643*
Chalcones		69328	rum			packing		6463*
Chalcophora angulicollis		94819*	Chediak-Higashi syndrome		52077	quality	74973*	74983*
Chalcoplonyx n g		23579*	Cheese			refrigeration		74973*
Chalepophyllum		88345	acids		107006	starters		107047*
Chalicodoma muraria		33343	advertising		85353*	storage		74983*
Chamaecerus silvestri		10873*	aging		96420*	Esrom		44375*
Chamaecrista fasciculata		26869a	analysis and composition		6355	fat		44299*
77383			34447	65070	74787	Feta		85443
Chamaecyparis	57824	98883	106901	24846*	34332*	flavor and odor	15623	74787
37357*			44279*	74766*	74784*	6449*	6450*	34392*
Chamaecyparis formosensis		47657	74783*	34451*		85410*		
51216*	51219*	68349*	associations			reviews		96435*
Chamaecyparis lawsoniana		335	bacteria	74763	85339	Geheimrath		6498*
30741	91777	52978*	15627*	24878*	24929*	Gervais		65151*
98951*		71171*	65084*	74877*	96416*	Gjetost	6449*	6450*
Chamaecyparis leaf oil		29390	Blue	15649	54662	Gouda		15750
Chamaecyparis nootkatensis		5425	74971			analysis and composition		6385*
30741	91777	103032	Bryndza SEE Liptauer			manufacture	85450*	85492*
Chamaecyparis obtusa		51279*	Caerphilly		106875	85493*	85494*	96579*
Chamaecyparis taiwanensis		47657	Camembert	34332*	54540*	96640*	96644*	107053*
68349*			96424*		54600*	grading and standardization		74875*
Chamaecyparis thyoides	17810	99748	analysis and composition		24862	Germany	6440*	24917*
Chamaemyiidae	5321	43118*	packing		34405*	74870*	74886*	96509*
Chamaenerion SEE Epilobium			processing		44377*	106964*	106974*	106975*
Chamaepeuce SEE Cirsium			care and handling		96596	Great Britain		6433
Chambers of agriculture		67153*	Cheddar		17156	USSR		106939
76603*	76619*	87498*	analysis and composition		6378	Grana		85185*
Chameleons		23121	6451	24835	65072	Gruyere	6508*	34332*
Chamise SEE Adenostoma			bacteria	65042	96408	96552*	106893*	
Champagne			curing		44373	defects		96490*
bottling		54403*	enzymes		65072	manufacture		34435*
chemistry	24641	96301*	fat		24919	history		54666*
fermentation		24664*	flavor and odor	6444	6451	hydrogen-ion concentration		34414
history		34269	85305	96494*		85297*		
manufacture		44166*	manufacture		15724	industry		44334
properties		96280*	65175	65184	96652	Belgium		74682*
			107043	96494*	107006			

\*Text of this reference is not in English.

	<u>Item</u>			<u>Item</u>			<u>Item</u>	
Cheese--Cont			Cheese--Cont			Cheese--Cont		
industry--cont			packing--cont			types--cont		
Germany	24764*	96332*	Switzerland	24948*		European Economic Community		
Hungary		74677*	USSR	24952*				96359*
Italy	15578*	85185*	packing equipment	44337*		France	24791	74986*
Poland	34298*	85203*	pasteurized milk	54659		85243*		85223*
sanitation	15726	74998*	65072	24923*	25008*	Germany	6440*	15735*
Switzerland		74688*	policies and programs	54466*		54602*	65185	74870*
Wisconsin		65019	85488*			96416*	96509*	85476*
judging		34382*	Pont l'Eveque	85223*		Great Britain		106875
Katschkawalj	6398*	34346*	Port du Salut	34332*		Italy		96574*
96501*		44374*	Poshekhonye	24923*		Japan		44372*
labeling		54598*	prices	74840*		Netherlands		85215*
legislation	44334	44276*	Process	24975*	44332*	96629*		
Limburger		54540*	analysis and composition	15638*		Norway		34444*
Liptauer		96501*	chemistry	96400*		Spain		34416*
losses		25013*	defects	54617*	74900*	USSR	65168	65169
manufacture	24963	34417	manufacture	74957*	96563*	34430*	106884*	
44345	44371	74999	96650*			Yugoslavia		34453*
85443	107042	6478*	packing	74900*		waste utilization		106928*
6498*	25013*	44366*	statistics	85437		weight and measurement		25013*
54669*			sterilization	74947*		yields		6508*
Australia	15743	15750	production regions	65019		Cheese cloth		
34414	34439		proteins	96424*		in horticulture		
Austria		65151*	quality	44279*		70026*	90040*	79415
Bulgaria		44374*	51797*	82223*	34449*	90534	90548	90414*
cooperatives	96646	15749*	Australia		92369*	18603	89126	90772
costs		54667*	Denmark	85395		Cheilanthes		89129
Czechoslovakia		74967*	Europe	85357*		Cheilanthes lanosa		67892
Denmark	15662*	25019*	Germany	15686*		Cheilelejeunea		77442*
65153*	85457*	96654*	USSR	96496*		Cheilosia		83999*
Europe		96569	Reblochon	31237*		Cheilotrichia		94996
Germany	15735*	65185*	refrigeration	85223*		Cheilotrichia areolata		95098
107019*		85476*	regulation and inspection	6507*		Chelmatobia brumata	SEE	Operophtera
Great Britain		96569	France	44334		brumata		
Italy	6481*	34451*	Germany	65116		Cheiranthus		59699
44346*	65167*	65173*	96503*	74863*	74877*	Cheladonta costulata		14483*
96574*	107032*		96525*			Cheladonta styriaca	SEE	Cheladonta
Netherlands		15750	rindless	15743	15755	costulata		
15737*	15756*	34413*	25019*	106990*		Chelated iron		
74913*	85480*	85481*	ripening	24965*	25006*	effects on Brunfelsia		37968*
96629*			54541*			effects on fruit		18825*
Norway		34444*	Romano		24973*	effects on plants	38189	18788
Poland		74957*	Roquefort	24994	74806	100424	18966*	68685
reviews		85495	96592*			effects on Populus		78507*
Rumania		85488*	salting	6521	25014*	effects on Rosa		68855
Spain		34416*	sanitation	24963	74839*	in sericulture		105486*
study and teaching	85496*	96655*	situation and outlook		96368*	in soils		20446
Switzerland		6512*	Australia	65024		Chelates		
USSR	65168	65169	Austria	106872*		effects on plants	998	38124
25008*			Brazil	85200*		89754		
yields	25027*	96496*	Germany	24885*		effects on Tetranychus telarius		42638
manufacturing equipment		15726	Italy	85186*	65018*	effects on Xanthium orientale		48374
34417	54649	74936	stabilizers	65175		in soils	70320	80080*
6500*	15737*	34425*	starters	34447		Chelating agents	25026	52216
85445*	85466*	96648*	54650	107043	25015*	70321	100243	
Finland		107005*	34430*	34432*	34429*	Chelation		81705*
reviews		85478*	85483*	85484*	96504*	Chelatometry		11844*
USSR	24966*	25014*	96595*	96624*		Chelibunus		73525
107002*		25025*	reviews		25029	Chelicerae		105595*
marketing		96534*	statistics	34454	54692*	Chelidonium majus	14432*	77375
Brazil		74839*	107067*			89857*		
Denmark	85357*	85364*	Stilton		54687	Chelone glabra		89065
Germany		96477*	storage	96596	24983*	Chelonethida		
Netherlands	74840*	96469*	substitutes	97249		anatomy and physiology		73546*
Norway		96533*	Swiss	34323*	44332*	Congo		83758*
USSR		85369*	testing equipment	24859		development		105600*
microorganisms	6384*	65038*	tests	15623	24841	embryos		105600*
milk for	34441	107021	44277*	96420*		Florida	14441	42924
24945*	25027*	31237*	Tilsiter	24846*	54540*	France	94726*	94787*
51797*	62150*	82104*	54600*			Jamaica		23556
85266*	85324*	85397*	trade			Malaysia		73508*
92439*	92490*	96440*	Asia	76743		Mexico		33035*
96527*	96654*	97875*	Australia	76743		Portugal		83757
Denmark		15662*	Canada	17156		taxonomy		83796
France		41706*	Denmark	56967*		Turkey		105548*
Greece		54551*	European Economic Community			USSR		94744*
Sweden		6437*	Finland	76731*		Chelonius (Microchelonus)		5458
Minas		74839*	Germany	76731*		Chemicals	8366	27362
folds		6401	Great Britain	17156		57155	67104	98420
Munster		96417*	Poland	36198*		109038		101779
nutritive value	98401	6384*	Switzerland	98266*		associations		17265
46482*	57145*		Venezuela	108867*		Canada		87861
packed	85399	24917*	Trappist	6401		conferences and congresses		23037
85277*	96529*		types	44345	44371	34161	108987	
packing	54621	24965*	46482*	85484*	106964*	dictionaries		64727
Germany		65136*	Australia	34414	34439	directories		36390
Netherlands		85422*	Denmark	74678*	85457*	effects on animals		43432
						81755*	81797*	71350*

\*Text of this reference is not in English.



Item			Item		Item
Chemicals--Cont			Chemicals--Cont		Chermes laricifoliae group 43173*
effects on <i>Anthonomus grandis</i>	23613		livestock parasite control	81787*	Chermes laricis 52990* 105393*
effects on <i>Apis mellifera</i>	105443		Norway	17278*	Chermes nuesslini 14731*
effects on apples			regulation and inspection	34106	Chermes piceae 23393 73300 83538
bibliographies	58550		34113 36389 36391	57172	14731*
effects on bacteria	65051*	102327*	research methods		Chermes piceae grandis 63693
effects on barley	37897*	58701*	statistical	57197	Chermes tardus 105393*
effects on Basidiomycetes	27533		situation and outlook	27386 46523	Chermes viridis 52990* 73308*
effects on <i>Blaberus craniifer</i>	84193		87906		105393*
effects on <i>Blattella germanica</i>	23122		storage	98422*	Chermes viridis group 43173*
effects on <i>Bombyx mori</i>	42839		toxicity	30918	Chermidae
effects on Coniferae	102692		USSR	77524*	biology 64125*
effects on cotton	78527		Chemistry	87840*	Canada 83538
effects on <i>Drosophila melanogaster</i>			and agriculture	27406*	Europe 84053
95087			34161 36408 57159	27373	Great Britain 95157
effects on eggs	35227		87906 17245* 17299*	76943	North America 23775
effects on fibers	15818 25244*		76939* 76942* 87907*	88665*	predators 95272
effects on fungi	37480		98435* 98464*	109005*	taxonomy 64125* 105856*
effects on <i>Gladiolus</i>	89478		China	8388	Chernozem soils 2115 102097
effects on grain	9570		Hungary	8971*	Bulgaria 29505* 29864* 40046*
effects on hides and skins	75561*		USSR	85895* 87840*	40093* 48913* 78571* 90922*
effects on insects	775 23031		98468* 109029* 109034*	109057*	101676* 101868* 101883* 101937*
23099 23110 23636	23661		as an occupation	74785	Canada 11378 11424 11426
effects on <i>Micrasterias</i>	47751		associations	46489	49834 49836 90860
effects on microorganisms			bibliographies	24365	Germany
reviews	39785		conferences and congresses	46496	East Germany 79926*
effects on milk	85279*		54712 84776 87820	87852	Hungary 10334* 70448* 80351*
effects on <i>Musca domestica</i>	32673		India	27382	Idaho 11395
effects on nematodes	61722*		reviews	8403	Poland 39820* 79980*
effects on oats	9926		study and teaching	50509 41350*	Rumania 1458* 29847* 39831*
effects on ornamental plants	38007		67467* 98435*		USSR
39159			Chemosterilants	48175 32613*	11542* 20370* 20380* 20703*
effects on <i>Ostrinia nubilalis</i>	73791		effects on <i>Aedes aegypti</i>	63457	29473* 29775* 29825* 30024*
effects on <i>Periplaneta americana</i>			effects on <i>Anthonomus grandis</i>	63551	39670* 70261* 70435* 70563*
53539 53540	63401		effects on <i>Conotrachelus nenuphar</i>	63930	70682* 90821* 90849* 101950*
effects on plant disease	376		effects on <i>Glossina</i>	32721	Yugoslavia 29466* 40062*
effects on plants	775 1049		effects on insects	105161*	Cherries 65508 85778
9429 9716 23636	58347		effects on <i>Musca domestica</i>	42522	abnormalities 817 88873
78279 58749*			63464		analysis and composition 25363
bibliographies	68611*		effects on <i>Phaenicia cuprina</i>	83262	anatomy and physiology 28157
effects on <i>Populus</i>	102573*		fly control	23148 42472	47937 48066 48492 58947
effects on potatoes	6921* 65616*		forest pest control	23416	9740* 18856* 48429* 58600*
78649* 89652*			livestock pest control	94251	68771* 68772* 78491* 100232*
effects on <i>Pyrhcoris apterus</i>	64124		mosquito control	42472	biochemistry 100596*
effects on radishes	100325		73123 94175		breeding 49102* 101172*
effects on seeds	89641*		reviews	42435 83122 83134	brined 6820 25483
effects on spermatozoa	72704		tests	94071*	care and handling 55149
effects on sugar beets	45351*		toxicity	52694	color 44599 55102
effects on sugarcane	48079		Chemotherapy	41359 30839*	containers 58535
effects on <i>Tenebrio molitor</i>	5198*		61840* 62201*	91989*	contamination 94371*
effects on tobacco	28038		cattle	62399*	costs and returns 25394 55101
effects on <i>Triatoma infestans</i>	73147		dogs	82278 92763*	culture 101188*
effects on <i>Trillium kamschaticum</i>			ducks	13543*	Denmark 79493*
89165			poultry	22679	France 96831 101178*
effects on wheat	37823 78527		62910 93178*		Great Britain 88857*
effects on wine	6310*		rats	52141*	Hungary 59564*
effects on wood	61580 103072		reviews	81839*	Lithuania 28875*
Germany	47064*		sheep	52425	New Zealand 39028*
hazards and safeguards	57203		swine	22961*	Pennsylvania 29714
76946 278*			reviews	22988	USSR 101194*
in egg processing	75773		turkeys	22657	cytology 27493a* 99928*
in feed	54712 15779* 25098*		Chemotropism	38253 19410*	disease resistance 47261
103131* 107100*			Chemurgy	6063---6065 25145	diseases 433 8937 47213
in feed processing	25098* 81685*		25177 34012 34013	43967	dwarf 10645 47875 101173*
85548* 107100*			43969 55247 64782	65465	101178* 101188*
in fiber processing	34096 34104		74380 84827 84832	84835	fertilizers 77963
34183 34565			106590 106591 106596	24397*	for processing 55101 59564*
in flour	34952		24399* 84830* 106588*	106592*	fruit-set 38075 48066
in food	6011 34104 36338		107934*		fungus diseases 18112 27196a
44038			Chenopodiaceae	682 42578*	Colorado 27184a
reviews	6112		Chenopodium	9726	control 47267 47300 27182a*
in food processing	6175 6230		Chenopodium album	38647 39432	France 99428*
24453 34182 34183	44049		47715 68415 10037*	99572*	Hungary 364*
44095 44097 54136	54297		Chenopodium amaranticolor	78572	India 37255
in forest fire control	30452 50954		99643		Lithuania 27198a*
61214			Chenopodium botrys	10255*	New York 27160a
in forestry	102577*		Chenopodium gigantospermum	78083	Poland 27098a* 27116a*
in fruit juice processing	55139		Chenopodium hybridum	78083	Rumania 18222*
in horticulture	19736		Chenopodium murale	22730*	Washington 47213
in meat	107650		Chenopodium quinoa	18280 99660	genetics 817
in meat processing	16235 65915*		Chenopodium rubrum	27980 78555	
in milk	24911		Cheops	73525	
in wine	44214* 44215*		Cherimoya	10623	
India	27389		Chermes	64123 95234 33283*	
industry	17258 27373 34113		Chermes abietis	63701* 105393*	
36589			Chermes karafutonis group	43173*	
Japan	75747*				

\*Text of this reference is not in English.

	Item			Item			Item	
Cherries--Cont			Chestnut (tree) SEE Castanea			Chicks--Cont		
germination		58947	Chestnuts	35086	107403	anatomy and physiology--cont		
grading and standardization		44689*	Cheumatopsyche		75225*	31884*	32003*	52259*
grading and standardization equipment		65538	Cheumatopsyche comis		53573	82484*	82624*	93194*
harvesting	34725	101183	Chevon		106145	93230*	93263*	93355*
harvesting date		19832*	Chewing lice SEE Mallophaga		71686	104445*	104467*	104404*
harvesting equipment		15159	Cheyletidae	53225*	63903*	care	22691	33614
64449	64459	64468	Cheyletiella parasitivorax		63519	43505	62955	72672
64478	64484	84460	105086	105145	32726*	93425	4146*	4268*
84482	84495	84496	Cheyletus eruditus		53008	13584*	32029*	32056*
84506		84499	Chi-square test		4625	32083*	32115*	62956*
hybrids		27493a*	Chick edema disease SEE Toxic fat disease			93297*	93420*	93460*
industry	25483	55117	Chick embryos		62892	93532*	93533*	95782*
keeping quality		85752	abnormalities	62788	104371	95798*		
male-sterile		99928*	31882*			Denmark		93511*
marketing	25394	85752	anatomy and physiology		4071	Germany		
California		34725	4116	4130	4136	East Germany	15307*	104482*
costs		75249	4230	13508	13512	Japan	32035*	32057*
France		96831	13535	13553	13565	32131*	62988*	72699*
Germany	96829*	107281*	22646	31751	41894	93458*	93465*	93518*
Switzerland		6808*	41971	41979	42001	New Zealand		62969
morphology		99928*	42048	52252	52273	Poland	52307*	62971*
nematodes	77963	99698	62687	63501	72641	seasonal	31848*	52328*
pest control	23287*	32848*	93209	93283	93387	93462*		
chemical	63655*	105278*	104440	4253*	32009*	Sweden		82684*
Netherlands		63648*	52234*	52240*	62802*	USSR		104511*
Poland	83479*	105326*	62831*	62832*	62932*	deficiency diseases	4147	4168
Rumania		73266*	72658*	82664*	82666*	4171	4180	13464
Washington		4834	93280*	93301*	104327*	72659	31981*	104406*
Wisconsin		23319	104445*			disease resistance	4092	82631
pests		73724*	culture media	4251	21812	13554*	62812*	
Czechoslovakia		77540*	22656	41353	41968	diseases	41989	52174
surveys		42698	53288	81731	92495	83218	93195	31878*
Switzerland	4837*	42658*	12547*	31968*	82621*	93395*		52259*
Wisconsin	23888	42697	93205*			Japan		31901*
pits		6765	cytology	13515	13579	prevention		82623*
pollen	27294a	99582	92885	104340*	42003	93244*	93278*	
pollination	9777	9945	disease resistance		4177	treatment	31987*	52223*
48151	18856*	38075	31769	82613	22603	52283*		52254*
prices		46364	diseases	4220	22632	feeding and nutrition	3090	4062
processed	34819	46364	72626	82583	82615	4111	4171	4223
96917*		96818*	22595*		82639	13406	13443---	13446
propagation	79489	69758*	growth	31999	62785	13458	13461	13464
pruning	101183	39041*	22636*	41965*	63822*	13471	13474	13513
quality	55101	6808*	immunization		62817	22538	22540	22543
rootstocks	39072	1765*	infectious diseases	93206	31969*	22547	22549	22555
68175*	69732*	49087*	viability		104357*	22579	22581	22612
situation and outlook		85674	Chicken body louse SEE Menacanthus			22664	22673	22691
size		37462	stramineus			31841	31876	31877
spillage		6820	Chicken-embryo-lethal-orphan virus			41911---	41913	41915
spraying and dusting	68054	88637	3195	4178	41968	41940	41945	41953
63634*	94371*		93267	32014*	52262*	52171	52174	52189
statistics	65664	75249	Chicken mite SEE Dermanyssus gallinae		93324*	52220	62721	62726
6941*	96917*	107424	Chickens SEE Chicks; Cocks; Poultry			62751	62775	72564
storage		85867	Chickpeas			72609	72637	72638
varieties	34819	39043	analysis and composition		34698	82572	93044	93059
79484*		39073	anatomy and physiology		58914	93161	93352	104283
Bulgaria	69760*	100232*	68696	100117	48256*	13475*	31786*	31792*
Germany	1785*	90365*	biochemistry		38600	31827*	31852*	31862*
Great Britain		96829*	enzymes		55003	31871*	31872*	41921*
Netherlands		88857*	fertilizers	50145	60404	41947*	41950*	52172*
Oregon		88793*	fungus diseases	18084	18172	62732*	62772*	72567*
Pacific Northwest		79496	27137a	37253		82549*	93048*	93076*
Rumania	1776*	10648*	India		99299	93355*	104277*	104800*
virus diseases	450	9217	Iran		58036*	Austria		22556*
37462	37482	47473	Mexico		47295*	Czechoslovakia		104295*
88873	88891	99584	genetics		68613	deficiencies	4092	13460
88887*		77876*	morphology	18590	47767*	62783	72561	104266
Belgium		58062	pests		84082	93072*	93329*	
control		68284	seeds		58914	reviews		72652
Germany		27316a*	statistics		55217	Denmark		13584*
East Germany		68287	yields	50145	60404	Estonia		72591*
Great Britain		47497	Chicks			Germany		
Pacific Northwest		99582	anatomy and physiology		4124	East Germany	31795*	31816*
transmission	27294a	70184	4153	4170	4187	31853*		
weed control		59578*	4204	4206	4223	Hungary		106256*
yields	1765	6808*	4249	13489	13490	Israel		13442
59584*	79495*	55102	13505	13513	13531	Italy		82564*
Cherry juice		73674	22646	22674	31841	Japan	31820*	52197*
Chersodromia cursitans		20370*	41930	41955	41978	93129*	93131*	93158*
Chestnut soils		40601*	42047	42063	52171	93218*		
Bulgaria	101883	40026*	52289	62751	62783	Norway		62742*
Idaho		11395	62857	62871	62876	Pakistan	52199	104290
Mongolia		80634*	62888	62901	72578	Poland	52208*	62745*
USSR	49650	11374*	72638	72659	82587	93077*		
20680*	29473*	49738*	93298	93322	93352	restricted feeding		62739
49889*	60097*	70326*	104380	104430	104438	reviews		4108*
80190*	102088*	70435*	22635*	22654*	31786*	Rumania		104284*
					31823*	USSR		52192*

\*Text of this reference is not in English.



## Item

## Chicks--Cont

growth	4090	4223	4236
13445	13449	22540	22579
22612	31898	41912	42004
52211	52318	62682	62751
72561	72564	72598	93044
93161	104266	104505	31852*
31865*	31961*	32089*	32115*
41905*	41935*	41949*	41965*
42030*	52197*	52337*	62772*
72567*	72570*	82660*	93051*
93076*	93077*	93129*	93169*
93205*	93219*	93314*	93513*
research methods			
statistical		42042	
habits and behavior		32024	
32120	42084	62958	72671
72695			
immunization		4201	4222
62817	62864	82639	4126*
13536*	82635*	93307*	104454*
infectious diseases		22675	41987
62912	82587	104459	42061*
62837*	62884*	93287*	93386*
104319*	104338*	104373*	104376*
104431*	104444*	104451*	
control	82643	93202	93323*
prevention			93356*
marketing			107789
mortality	4236	31936	72616*
parasites	41985	41986	62912
104358	4144*	4181*	93168*
93178*	104393*	104394*	104411*
control	62879*	93321*	93351*
reviews			72652
poisoning	4145	13444	22602
41911	41953	41950*	
purchasing			16924*
viability	22498	22673	93022*
93077*	93218*	93265*	93399*
virus diseases		82633	82646
52236*			
weight and measurement			4204
41898*	41899*	93218*	
Chickweed SEE <i>Stellaria media</i>			
Chicory			
analysis and composition		54452	
anatomy and physiology		37925	
19197*	38213*	48440*	68832*
89185*			
bacterial diseases			68242*
control			20325
culture	101615	28628*	101372*
fertilizers			48440*
germination			37925
industry			85698*
planting			68832*
policies and programs	6720		65423
seeds			37925
tests			33985*
yields			48440*
Chigger mites SEE <i>Trombiculidae</i>			
Chikungunya virus		73159	83261
Chilacis typhae			95217*
Children			
attitudes			34028
care	16628	26539	98128
98129	8062*		
education and training		46193*	87428*
health			87422
labor	56211	35576*	46217*
North Carolina			8048
psychology		87609	98245
SEE ALSO UNDER Human nutrition			
Chileans in the U S			108720
Chilenophilidae			83764
Chileseius n g			83779*
Chilli redpeppers			
breeding			29106
culture		1959	59846
fertilizers			20710
fungus diseases			47364*
irrigation			50339*
pest control			73239*
varieties			10900
Chilo erianthis			23832
Chilo suppressalis			
anatomy and physiology			33438
64226	105981		

## Chilo suppressalis--Cont

biology			23900
control			63594*
diseases			95505
host plant resistance			94324
parasites			105885
rearing and breeding			106039*
Chilo zonellus	4809	4819	23254
23830			
Chilocorus cacti			105684
Chilognatha			73511*
Chilomastix			31949
Chilopoda			
anatomy and physiology			73523
42920*	42945*	73517*	94764*
94765*	94776*		
and disease			63478*
as pests			42497
Chatham Islands			83764
China			53228
cytology			73517*
digestion			94779
eggs			63854*
Europe			33056
excretion			94779
Germany		60217*	94735*
habits and behavior			63854*
Italy			63875
Malaysia			53228
Mexico			53174
molting			94776*
Morocco			33043*
mountain areas			63875
New Zealand			23546
nomenclature		42910	83790
Poland			63878*
protective devices			105589*
Quemoy			53228
Red Sea area			23560
Rennell Island			105552
Rumania			42935*
Sicily			53200*
Taiwan		42954	53228
taxonomy	33056	42910	83764
Tropics			42497
Chilopsis linearis oil			35167
Chiloscyphus			8787
Chilotraea auricilia			23255
reviews			14117
Chilotraea infuscatellus		73226	83346
83347			
Chimaeropsyllidae			73891*
Chimaphila japonica			100623*
Chimaphila umbellata			46868*
Chimarra		53573	106131
Chimarra betteni			106145
Chimeras			
animals			3651
plants			9614
27593a	37797	68618	27488a*
37844*			
Chimoptesis n g			95501
Chinacapsus n g			14746*
Chinch bug SEE <i>Blissus leucopterus</i>			
Chinchillas	92845	41813*	82426*
associations	41816	41817	52084
82427			
breeding	3920	41803	62557
82411	92776	3923*	62560*
effects of light			92844
Germany		41802*	92783*
care	3939	22388	31654
41807*	92851*	104080	
Chile			52082
cooperatives			35035
cytology			52075
diseases	3929	3930	92820
Europe			7109*
farms and ranches		31653	92843
feeding and nutrition	104062		82414*
fertility	31639		92777
fur production	31650	41812	92851
41802*			
growth			3936
housing			84696*
immunization		52076	52078*
industry	3938	13327	31639
41811	62557	82427	82428

## Chinchillas--Cont

judging			92853*
pelting	41815	92851*	92852*
shows		31650	41808
study and teaching		3936	41817
52083			
SEE ALSO names of anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, pests, and products			
Chinese cabbage			
anatomy and physiology	9772*	48107*	
68789*	100364*		
biochemistry			19284
breeding			49380*
culture	39394*	79687*	79718*
90548*	101416*		
disease resistance			49380*
fertilizers			40081*
fungus diseases			18134
genetics			37858
marketing			34743*
storage			96911*
varieties	79718*	79721*	101416*
virus diseases		18325	18289*
48107*			
Chinese chestnut SEE <i>Castanea mollis-sima</i>			
Chinese elm SEE <i>Ulmus parvifolia</i>			
Chinese in U S			108724
Chinese rose beetle SEE <i>Adoretus sinicus</i>			
Chinkapin SEE <i>Castanea</i>			
Chin-Vac			92834*
Chionaspis venui			14750
Chionea			43054
Chionochloa n g			26912a
Chionochloa rigida		10481	10482
Chipboard SEE Particle board			
Chiranthodendron pentadactylon			28983
Chirnyssoides caparti		5077*	14434*
Chirnyssoides carolliae			5077*
Chirodiscinae		14471	63889
Chiromyza prisca			4816
Chironitis			63908*
Chironomidae	95012	95074	95075
as feed		14625	95003*
as pests			23140
Bear Island			43095
biochemistry			33195
biology	33149	94254	105732
Brazil			95024*
breeding places			43078*
California			94254
Congo			14615*
control	13926	23140	63490
94259	94254		
Cuba			95075
cytology		23681	5279*
Czechoslovakia			73630*
development	95039	43079*	43080*
ecology			5238*
eggs			53365
embryos			53365
fungi			95154*
geographic distribution			43129*
Germany			33186*
Great Britain		5320	43060
immature stages			33149
larvae	23681	95012	5238*
23686*	43078*		
anatomy and physiology			14696*
43079*			
Austria			83933*
Canada			95039
Europe			43129*
Germany			63988*
USSR			73658*
Mexico			95074
nematodes		94259	5304*
parasites	14427	94259	23686*
predators			33159
Sudan			94259
taxonomy	105732	43080*	95024*
105724*			
weight and measurement			95039
Yugoslavia			43053*
Chironomus	33183	43066	83938
53335*	105707*		

\*Text of this reference is not in English.

	Item		Item		Item
Chironomus dorsalis	53365	14633*	Chlorella--Cont		
Chironomus intertinctus		23681	anatomy and physiology--cont		
Chironomus (Kiefferulus)		23681	89693	98775	100236
Chironomus martini		23681	10082*	28269*	68689*
Chironomus paraplumosus		95154*	100458*		78201*
Chironomus plumosus	33159	14696*	biochemistry	10260	19378
Chironomus rufipes		5320	38559	59066	78899
Chironomus tentans	33139	5304*	78938	78966	78975
23686* 105707*			100589	69299*	78933*
Chironomus thummi	23678	33167	78990*	79012*	89930*
5279*			cultures		7555
Chironomus thummi piger		53335	cytology		99946
Chironomus thummi thummi		53335	ecology		78043
Chirophagoides n g		14430*	feed	103121	31848*
Chirophagoides mystacopis		14430*	31869*	62760*	
Chirothrips aculeatus		84236*	genetics		9635*
Chirothrips meridionalis		5606	morphology		78201*
Chitin	2207	8941	proteins	104527*	108956*
reviews		53151	Chlorella ellipsoidea		78165
Chitinase	33458	33476	Chlorella fusca		58340*
Chives	10934	19359	Chlorella pyrenoidosa		
Chlaenaceae		57655*	anatomy and physiology	1003	1066
Chlamisinae		94822	27987	37958	47944
Chlamisus		53237*	78789	78793	89337
Chlamydobotrys SEE Pyrobotrys			9762*	18914*	48057*
Chlamydocola		26858a*	48487*	78701*	100299*
Chlamydomonas		89089	biochemistry	1355	38560
anatomy and physiology		28281	38610	69171	78894
78421			89805	89894	100563
biochemistry	10252	58953	cultures		89337
genetics		851	cytology	78225	78226
morphology		18682	37712*	68502*	
Chlamydomonas moewusii		58506	Chlorella stigmatophora		89325*
Chlamydomonas mundana	175	27886	Chlorella vulgaris		
Chlamydomonas reinhardi	792	10014	anatomy and physiology	9778	78367
28022	28341	78142	100432	48055*	48056*
Chlamydomonas snowiae	10060	78627	biochemistry	19365	28354
Chlamydomonas tecta		18654*	38609	38610	38639
Chlamydozoma n g		67989	100570	78962*	89790*
N-(2'-Chlor-4'-nitrophenyl)-5-chlorosalicylamide	22830	104666	cytology		47782*
Chloral hydrate	13036	89208	genetics		9586*
Chloralose		31538	Chlorethe		53297*
Chloramide		27222a*	Chlorfen SEE Toxaphene		
Chloramine SEE Chloramine-T			Chlorhexidine		30865*
Chloramine-T	12760*	27222*	Chloridea obsoleta SEE Heliothis armigera (Old World); Heliothis zea (New-World)		
Chloramphenicol			Chloridea peltigera SEE Heliothis peltigera		
effects on alfalfa		79014*	Chlorides		
effects on algae	58978*	89395*	effects on onions		38131
effects on bacteria	21877*	103272	effects on potatoes	27913	59725
effects on barley		27954*	68784		
effects on castorbeans		18827	fungicide		18122*
effects on corn	78710	100464	in avocados		38167
effects on Drosophila	5240	23645	in cattle physiology		82161
effects on plants	9743	10109	in cheese		6355
18935	58592	78999*	in dog physiology		22344
effects on tobacco		38568*	in fertilizers		39993*
effects on tomatoes		619*	in milk	24868	54549
effects on Trillium kamtschaticum			in onions		38131
		89168	in plants		38130
effects on wheat		18802	in poultry nutrition	13460	68826
therapeutic use		22277*	in semen		22545
cattle	31478*	82194*	in soils	80007	80058
poultry	42006*	92476*	90892*		20898*
rabbits		93545*	in spinach		9691
sheep		32291*	in textile industry		65318
Chloranthus fortunei	26898a*	89210*	therapeutic use		30859*
Chlorates		51268	Chloridium		8879
Chlorazene SEE Chloramine-T			Chlorinated hydrocarbon insecticides		
Chlorazine		2066*	analysis and composition		23068
Chlorbenside		104984	73047		
Chlordane			ant control		63379
adjuvants		104967	cabbage pest control	52902	83349*
ant control	63415	83165	chemistry		4664
cockroach control	83198	93943	cotton pest control		63548
field crop pest control		73210*	determination	63419	74319
fruit pest control		73210*	74345	84812	
herbicide		11101	effects on Drosophila melanogaster		83133*
in alfalfa		105149	effects on Musca domestica		23646
insect resistance	52712	83198	52723		
83504	93943		effects on plants		32578
tolerances		54238	hazards and safeguards		73061
Chlordelazin	31360*	103768*	in agricultural products		33992
Chlorella		69157	in birds		52739
anatomy and physiology		1067	in butter		85318
10011	10134	18983	in dairy products	65836	85308
58349	68679	78479			
78637	78657	78727			
		89454			

\*Text of this reference is not in English.



	Item	
Chlorocholine chloride SEE		
(2-Chloroethyl) trimethylammonium chloride		
Chlorochroa sayi	42647	73177
Chlorocid		30969
Chlorocloster engadinensis		78431*
Chloroclystis	95437*	105973*
Chlorococcales		88462*
Chlorococcum		46950
Chloroethane		33266
2-Chloroethanol		106070
O, O di-(2-Chloroethyl) O-(3-chloro-4-methyl coumarin-7yl) phosphate		41337
	72859	82795 52439*
(2-Chloroethyl) trimethylammonium chloride		
	78716	27796 68209 69153
	78716*	89889* 18967* 68931*
	78716*	89645* 100261*
effects on Azalea		68659*
effects on beans		27933
effects on Brevicoryne brassicae		
		42643
effects on Convolvulus sepium		48228*
effects on Cynodon dactylon		58534
effects on Fusarium moniliforme		
		27983
effects on Gardenia jasminoides		58804
effects on plants		48008 78392
	78443 78809	100351 19016*
	89536*	
effects on potatoes		47979*
effects on strawberries		58640
effects on tomatoes		100320*
effects on wheat		38264*
Chloroform	95576	22446* 63780*
Chloroform test		74647
Chlorogenic acid		
effects on Chlorella pyrenoidosa		1404*
in beverages		85155*
in coffee		48601 24713*
in Orobanche		28364*
in plants		88824*
in potatoes	10152	48509 68183
	38589*	38627*
in tobacco		19402 26348
Chlorogenus robiniae		99587
Chlorogloea fritschii	99880	89413*
Chlorogonium elongatum		79068
Chlorolestidae		43354
p-Chloromercuribenzoate-dithizone test		74804
p-Chloromercuribenzoic acid		99813
Chloromycetin SEE Chloramphenicol		
Chloronana n g		95175
Chlorophenoxy compounds		54093
	75487	
N'-(4-Chlorophenoxy)-phenyl-NN-di-methylurea	11032	29183 29214
	39426	79827
Chlorophenoxyacetic acid		20248
4-Chlorophenoxyacetic acid SEE 4-CPA		
M-Chlorophenylcarbamic acid butinol ester		49452
Chlorophos SEE Trichlorfon		
Chlorophyceae		
Chlorophyll	787	1085 1337
	1343	1351 1366 1409
	1424	1432 6051 9604
	9840	10164 10172 10246
	18710	19253 19280 19338
	19358	19393 27888 27914
	28282	28330 28390 38528
	38569	48600 55974 59009
	59011	59085 67765 69203
	78420	78915 78924 78970
	78973	79059 79060 89262
	89763	1005* 1439* 1446*
	9117*	9450* 9958* 10192*
	10193*	27181a* 27946* 28346*
	37897*	37966* 38571* 38633*
	47739*	47770* 47846* 48050*
	48268*	48281* 48545* 48569*
	48580*	57477* 75020* 77225*
	78295*	78933* 79012* 79015*
	79055*	89398* 89458* 89834*
	100535*	
algae		28281 89790*
Aphanocapsa		78651*

	Item	
Chlorophyll--Cont		
barley		89273*
Bromus inermis		89267
Chenopodium album		38647
Chlorella pyrenoidosa		1404*
Chlorella vulgaris		89790*
corn	69295	18937*
Euglena		100674
Euglena gracilis		9739*
Lobomonas sphaerica		17861
mungo beans		58411
peas		68795
soybeans		68690
spinach		78948*
tobacco		47731*
vegetables		1398*
wheat	28142	89765 89837*
Chlorophyll a	1303	19263 19355
	38637	38519 48530 48602
	69316	79080 89845 100097
	100570	10226* 38571* 38633*
	48546*	78948* 89824* 89930*
Chlorophyll b	19263	38637 100570
	38571*	38633* 78948*
	89930*	
Chlorophyll c		89845
Chlorophyllase	1420	38509 19414*
Chlorophyllide a		48600
Chlorophyllides	6051	6884 38509
	1439*	
Chlorophyllin a		28294
Chlorophyllins		48599
Chlorophyta	8816	9828 67921
Chlorophytum capense		58304
Chlorophytum comosum		27566a*
Chlorophytum laxum		27632a
Chloropicrin	30044	58022 77692
	91537	80727*
Chloropidae		
as parasites		105764*
biology		43061*
California		33177
Denmark		23684
larvae		43127*
taxonomy		52977
types		95077
Chloroplastin	887	954 19375*
Chloroplasts		
	1101	1128 1129 1296
	1302	1347 1422 1432
	9540	9844 9933 10014
	10164	10171 10187 10203
	10206	10207 10252 18239
	18291	18796 18803 19076
	19265	19273 19324 19326
	19328	19415 27599a 27627a
	28135	28285 28318 28344
	37675	37812 37940 37961
	38100	38158 38440 38574
	38587	38599 38636 47738
	48022	48115 48244 48290
	48512	48541 48548 48607
	58488	58517 58577 58802
	58956	59014 59018 59026
	59048	68932 69163 69192
	69232	69252 69288 78124
	78376	78573 78682 78895
	78906	78966 79003 79078
	99601	99667 99957 100137
	100183	100359 100694 9434*
	9722*	9772* 18508* 19375*
	27850*	37671* 37680* 37733*
	38095*	38542* 38620* 48263*
	58775*	69237* 77234* 78197*
	78198*	78409* 89536* 89896*
	99858*	100666*
algae		89790*
Antirrhinum majus	47758*	47831*
	99927*	
barley		78861
broadbeans		1007*
Chara vulgaris		27504a*
Chlorella	9735*	48056*
Cycas revoluta		27627
Euglena	58887	59032 68462
hemp		58259
Mnium undulatum		100021
Mougeotia	19141	1006* 38120*
	48085*	89435*

	Item	
Chloroplasts--Cont		
oats		18238
Oenothera		726*
peas		38326*
reviews		78846
Selaginella martensii		38120*
soybeans		37911
Sphaerocarpus donnellii		47819*
spinach	1350	9691 9799
	19274	19300 38037 48211
	48579	69231 99893 100572
	1007*	9820* 28228* 100710*
Stenolobium stans		59043
sugar beets		47718* 89087*
tobacco		47731*
Vaucheria sessilis		18537*
wheat		78218
Chloropropylate		104995
Chlorops		43127*
Chlorops oryzae	84108	105723
Chlorops pumilionis		94284
Chloroquine		23134
Chlorosarcina		46950
Chlorosarcinopsis		46950
Chlorosis	27945	37993 27946*
	58497*	
bananas		27288a
cantaloupes		78537
citrus	100182	100265
bibliographies		58549
currants		9853*
Eremochloa ophiuroides		273
Euglena gracilis		9739*
fruit	38189	9917* 28104* 48460*
	100494*	
grapes	100424	28057* 69038*
	90834*	
peaches		28012* 99605*
pears		28012*
Pinus taeda		58721
plants		89754
quinces		48358*
rice		68953
soybeans		18835
strawberries		18788
tobacco		48485*
trees	2790*	30410* 48384*
wheat		69156*
Chlorosuccillin		52114*
Chlorothiazide		104655
Chlorotic dwarf		
Pinus strobus		37431 57776
Chlorotic leafspot		
apples		77921
quinces		77921
Chlorotic streak		
sugarcane	452	37433 47489
	99651	99652 99653
Chlorox		19118
Chloroxuron SEE N-4(p-Chlorophenoxy)-phenyl-N',N'-dimethylurea		
Chloroxylon swietenia	2990	58307
Chlorphenesin carbamate		4764
Chlorpromazine		61800*
effects on cattle		51874*
effect on dogs		52012*
effects on goats		63020
effects on pigeons		93176*
effects on poultry		52265*
effects on sheep		72811*
effects on swine		32502
Chlorpropamide		104533*
Chlorpropham SEE CIPC		
Chlorprothixene	31571	72425* 92740*
Chlorten SEE Strobane		
Chlortetracycline		
effects on animals		30939*
effects on cattle		31222 103601
	103862	103892 72059* 92282*
effects on ducks		82628
effects on poultry		22616 72598
	72609	4067* 4167* 4225*
	22532*	31823* 41935* 52175*
	52190*	93160*
effects on sheep		82823
effects on swine		4491*
	22927*	32384* 32388* 82906*
in blood		62894

\*Text of this reference is not in English.



Item				Item				Item			
Chlortetracycline--Cont				Choppers	15138	24144*		Christmas trees--Cont			
in feed	75022	103601	22532*	Czechoslovakia		24114*		storage			51311
31222*				Germany		15170*		varieties	61532		61543
in fish processing			26383*	East Germany	24123*	106336*		weed control	2799	2802	2806
therapeutic use	13538		13662*	106496*				30310	81053		
13819*	63157*	82244*	104416*	operation	33743*	43589*		Christoneura fumiferana			106042
Choanephoraceae			67972*	tests		24113		Chromaphis juglandicola	63605		73263
Chocolate			101613	types		79093*		Chromatin	9457	73683	5280*
analysis and composition			64972*	Choragus sheppardi		94843*		18545*	33457*	89881*	105722*
chemistry			96554	Chorda tomentosa		727		106101*			
flavor and odor			44232	Chordeumida		83762		Chromatography	6009	24359	43900
history			70217*	Chorio-epithelioma		62550*		102330	24392*	57461*	74342*
in ice cream	25028	65176	107004	Chorioides bovis	52800	63498		106574*			
107031	107050	107052	107061	Chorisia insignis		32660*		conferences and congresses			43496
industry			15546	Chorisia speciosa		39254*		84800	43914*		
products			65178	Chorisodontium		67897		in alcoholic beverage research			54429*
properties			75700*	Chorispora tenella		49528		in amino acids research			43940
tests			24704	Choristoneura conflictana		14288		in animal research		3262	15382
trade				Choristoneura fumiferana				61632	81774	4547*	21833*
Europe	58050*		76818*	as pests		23415		in areca nut research			16510
SEE ALSO Cocoa				Canada	23400	27010a		in banana research			107249
Cholera SEE Fowl cholera; Hog cholera				control	14260	63690		in bean research			107252
Cholest-5-ene-3 $\beta$ ,7 $\beta$ -diol			107114	diseases	64180	105929		in beef research		55432	75543
5alpha-Cholestan-3beta-ol			33455	dissemination		14870		in butter research		34330	96449
Cholesterin SEE Cholesterol				food and host plants	14289	105366		44275*			
Cholesterol				larvae		83550		in carbohydrates research			106564
in blood	4055	4134	4206	Minnesota		73333		in casein research			74755*
22647	82021	83011	92473	Northern States		63727		in cattle research		22166	22246
93537	13076*	13236*	22223*	outbreaks	23387	23400		51656			
32020*	41212*	82718*	92574*	oviposition		14289		in cellulose research			25248
92757*	93636*	104027*		Choristoneura murinana	105929	4924*		in cheese research		54540*	54541*
in Chilo suppressalis			105981	32899*	53018*	83548*		in dairy research		24860	54491
in Corcyra cephalonica			33432	Chorizagrotis auxiliaris		43292		65070	74787	85274	96442
in eggs			55699*	Chorizanthus		77341*		54534*	54552*	85271*	85289*
in Eurycotis floridana			64247	Chorizococcus		53410		85329*			
in milk			24832*	Chorthippus		84185*		in economic poisons research			46497
in Periplaneta americana			95591	Chorthippus bicolor		73648*		57167	106561	106565	72520*
in poultry nutrition			4206	Chorthippus biguttulus		95571*		reviews			84785
in poultry physiology	104380		104430	Chorthippus brunneus		100062		in egg research			86340
in rabbit physiology			82711	Chorthippus montanus		73863*		in elastomer research			66122
in rat physiology			104177*	Chorthippus parallelus		106080		in entomological research			14343
in swine nutrition			104842*	Chortophaga viridifasciata		73861		14699	14794	63408	63997
Choleva			94873*	106071				73772	95242*		
Choline				Chortophila SEE Hylemya				in fats and oils research			7282
in cattle nutrition	72025		72059*	Chou moellier SEE Marrow cabbage				7336	7338	15631	16266
in feed			85532	Chreonoma fortunei japonica		83903*		16267	16271	16274	16280
in food			74344*	Christmas greens	41111	69937		24853	26012	26105	26136
in poultry nutrition	31852*		31865*	Christmas trees	30236	103009	103021	35163	45108	45111	45121
93063*				91744*				45141	45142	55620	55686
in poultry physiology			32003*	Arizona		91749		55697	66012	66018	66052
in swine nutrition			32388*	coloring	61529	103007		63054	66062	75373	75694
in swine physiology			32003*	combustibility	61528	103006		86135	86271	86286	86317
in turkey nutrition	41907		41925	conferences and congresses		2999		97208	97239	102992	107703
Choline acetylase			32250	culture	51303	61536	61537	107704	7244*	7289*	7290*
Choline acetyltransferase			104173	61540	41085*			16272*	16342*	26019*	26043*
Choline glycerophosphate			9725	Alabama			30688	26057*	26100*	26114*	26121*
Cholinergic-blocking agents SEE Para-				Arkansas			30690	26122*	26138*	26145*	34326*
sympatholytic agents				Germany				34345*	35156*	35172*	35175*
Cholinesterase				East Germany			12419*	45116*	45146*	45169*	45340*
in animal physiology	14017		30955*	Hungary			91748*	54552*	55457*	55601*	55617*
30956*	73078*			Louisiana			30684	55628*	65991*	75702*	75739*
in Anthonomus grandis			73602	Massachusetts			21674	86134*	86277*	86282*	86294*
in Apis mellifera			14309	Nebraska			41062	86296*	86307*	86316*	86319*
in blood	32502	104125	105147	diseases			300	96404*	107598*	107742*	107755*
4302*	31266*	31488*	73067*	Germany			51308*	107757*	107763*		
92491*				history			51302	in feed research		34477	34505
in dog physiology			82360	Illinois			81220	75056	96689	6560*	96681*
in goat physiology			51597	industry	51315	61527	81550	in flour research		24906	65685*
in guinea pig physiology			62654*	103005	103013			in food research		6006	24349
inhibitors	23137	23143	32639	injuries		12155*	40682*	24364	24367	24615	33983
35150	42464	42465	42552	New York			91750	34010	43923	54122	54133
83520	69266	105077	105421	marketing	61536	61537	61545	84786	84793	6046*	33994*
42519*				61548	103013	103018	61535*	54126*	54129*	64744*	64766*
in horse physiology			42491*	Minnesota	30702	51314	103017	74324*	74348*	84790*	107245*
in parasites	103171		103265	Utah			51309	in fruit juice research			6746
in potatoes			19374	Washington			51305	in fruit research		6822	34701
in poultry physiology			51597	Oregon			2768	44595	75278	85736	25362*
in rabbit physiology			51597	Pacific Northwest			81548	65459*			
in sheep physiology			22792*	Pennsylvania			12423	in fungicide research		98430	77669*
in swine physiology			93817*	pest control	4916	42750	81210	in grain research		7026	16095
in Tetranychus telarius			32639	105396				16175	16167*	34867*	55316*
Chondodendron			57597*	pests			50939	75439*			
Chondrilla			11020	planting			21676	in grape research			75219*
Chondrilla juncea			70129	Poland			81562*	in guinea pig research			62655
Chondrus ocellatus			100705*	pruning			105396	in hempseed research			55682
Chopardiana n g			5560*	quality			51311	in herbicide research		29278	54093
Chopper-blower systems	15190*		43633*	soils			2806	53109	54974	75184	75487
64512*	74111*			statistics		21678	81550	85729	98430	104969	106576
SEE ALSO Blowers; Choppers								70105*	101510*		

\*Text of this reference is not in English.



	Item			Item			Item	
Chromatography--Cont			Chromium			Chromosomes--Cont		
in honey research	16180	65782	effects on plants	7119*		Cimex lectularius		73731
34965* 75497*			effects on wood	47964*		Cimex pilosellus		33287
in hops research		89844*	in sheep physiology	71566*		Circaeaster		99949*
in horse research		52106*	in soils	63090		Cirsium		18610
in insecticide research		13937	in tanning	65922*	75659*	Clarkia rhomboidea		47773
14149 23029 23054		23068	Chromium compounds	65918*	65931*	clover		58215
24377 24387 32592		32601		65941*		Coccidae		95168
34696 44603 54975		55016	Chromium oxides			Cochliomyia hominivorax		73646
63419 64746 73042		73080	in cattle physiology	72293		Codiaeum variegatum		68534
73158 74319 74332		74345	in entomological research	73823		coffee		47717
75191 75201 75210		83149	in feces	22053		Compositae	18520 37750	37772
83505 84812 85308		85318	in ruminant physiology	3448		47816 68498 68539		78204
85710 88140 98430		98444	in sheep physiology	32818		Comstockiella		5382
104968 104969 107601		13947*	in swine physiology	63277*		Cormophyta		47815*
54119* 84794* 84806*		105017*	Chromium salts	86213*		corn	9595 18694	100029
in lactic acid research		54542*	Chromobacterium violaceum	2225		37786 47882 89301		27637
in latex research		107873	Chromogens	16407 26255	51438*	Cornopteris		27634a
in lignin research	25639	102957	Chromoproteins	100443 100638	78555 78947	cotton	37842 18708	
in lipid research		54119*	100344*	9836*	69255*			
in milk research		24842	Chromosomes			Cowpeas		100041
in molasses research	55834	45340*	Acanthaceae		37704	Crassulaceae		18668
75873*		51279*	Acheta domesticus		106101*	Crepis capillaris	99921	78126*
in paraffin research		1381	Aedes aegypti		64073	Crickets		53548
in plant research		1429 9812 10159	Aegilops		58390	cucumbers		89198*
10184 10217 10259		10263	Aegilops squarrosa		99921	Culiseta inornata		95122
15382 19312 19329		19333	Aerangis biloba		37773	Cumainocloides cordillerae		73854
19373 28386 36883		38206	Aerides		27617a	currants		27706
38504 38581 38629		47851	Agapanthus		714*	Cuterebridae		105700
48543 48544 48577		48596	Agrodiaetus		95465*	Cyamopsis serrata		27521*
48609 48630 58383		58970	Agropyron	9436 18747	58390	Dacus oleae		43081
59024 69171 69266		69315	alfalfa	27670 47722	89296	Dawsonia		89194
74345 78949 78975		79007	Alisma		9494	Delphinium		27699
89572 89925 100568		100574	Amanita		8599	Dendrobium	27528a	68482
100612 100642 100649		100709	Amygdalus		47701*	Dendrophylax funalis		37773
1393* 10200* 17573*		38572*	Anacyclus		68509*	Dichanthium		99862
48518* 48571* 48595*		48504*	Anemone cylindrica		9576	Digera arvensis		47822
48635* 48636* 58990*		59076*	animals	3651 3981	4186	dinoflagellates		89105
69225* 69238* 70227*		78501*	4216 13163 13281		13537	Dinophyceae		68447
89811* 89864* 89872*		89901*	13556 22892 41801		41804	Diptera	14598 23639	23659
100271* 100675* 100680*		100696*	52075 52131 72463		92958	23680 53363 64021		64022
bibliographies		85552	93569 104236 3708*		32243*	dogs		82354
in potato research	54977	54986	32499* 52040*		71725* 104209*	Drosophila	5265 14611	14637
100644		104421	Anopheles	5350 23719	73687	53356 63987 64008		83930
in poultry research		96418	95119			105718 105762 33184*		53352
in protein research	14699	96418	Antheraea eucalypti		33443	Drosophila ananassae	5327	53352
98430 6037*		91725	Antirrhinum		9426*	Drosophila athabasca		105738
in pulp and paper research		102957	Aplopappus gracilis	27525a	100056	Drosophila bandeirantorum		14666
in radioactivity research		43922	Arabidopsis thaliana		864	Drosophila euronotus		53357
in resin research		51299	Barclaya longifolia		78203*	Drosophila griseolineata		14666
in rice research		86047	barley	816 47909	89446	Drosophila hydei		5235
in rubber research		45264*	9487* 58436*			Drosophila melanogaster		5228
in ruminant research		81874*	Bombyx mori fuscata		53097*	5241 5242 5269		5326
in sausage research		97081*	Bombyx mori mandarina		53097*	5333 14586 14588		14620
in sheep research		13698	Bombyx mori mori		53097*	14667 14677 14694		23663
in silage research		91850*	Bothriochloinae		749	23699 23701 23717		33163
in soil research		11277	Boutelousa curtipendula		37705	33164 33172 33185		33200
80036 101751 20435*		49729*	Brassica		78175	33213 43125 53334		53348
49752* 49780* 90895*			broadbeans	9454 9529	27496a	53367 64007 64014		64033
in soybean research		55599	37627 37644 58277		68454	64053 73683 83943		83984
in spice research		24716	78248 89820 9611*		47774*	95049 95067 95007		105784
in starch research	16090	74346*	Calenduleae		693	23665* 33216* 33218*		83975*
74357* 106584*			Calliphora vicina		14648	105765*		
in sugar beet research	7444	97483*	Calliptamus palaestinus		5584	Drosophila nigromaculata		5328
in sugars research	55894	98430	Campanula	9419*	67860*	Drosophila nigromelanica		64051
107911 107915 16443*		35354*	Cantharoidea		53294	Drosophila persimilis		43092
54119* 54129* 66207*		66232*	Capsicum		18756*	Drosophila pseudoobscura		83998
in swine research		73001	Carabidae		23588*		105771	
in tea research		85141	Carex		659	Drosophila robusta		14643
in tobacco research	55939	107969	Castanea		18564	Drosophila subobscura		95088*
66261*			cattle	12958	31387	drug plants		18581
in turpentine research		102994*	Caulophyllum		27571	Ehrharta calycina		89228
in vanilla research	85119	85132	Chara vulgaris		986*	Elateridae		14576
in vegetable research	75188	15928*	Charophyceae		37686*	Festuca elatior		18527*
65459* 75187*			Chironomus	23681 33183	83938	Ficus		37651
in vinegar research		106844	53335*			Fritillaria tenella		78133*
in virus research	18367	68300	Chironomus dorsalis		14633*	Gesneriaceae	27546a	37757
77940 99662 99663			Chironomus tentans	33139	105707*	Ginkgo biloba		641
in vitamin research	43902	74339	Chironomus thummi		5279*	Glycine	58381	68543
in wheat research		107460	Chloranthus fortunei		89210*	Goodenia bellidifolia		9492
in wine research	74622*	85133*	Chorthippus parallelus		106080	Goodeniaceae	18617	27553a*
96284* 96288* 96317*			Chrotogonus trachypterus		5591	gooseberries		27706
in wood preservation research		51130	Chrysanthemum	9383	47790	Grammitidaceae		58239
in wool research		107165*	18532*			grasses	613 728	47787
Chromatophores	42861	14393*	Chusquea subtessellata		18674	grasshoppers and locusts		14924
			Cimex columbarius		73731		14939	

\*Text of this reference is not in English.

Item			Item			Item		
Chromosomes--Cont			Chromosomes--Cont			Chromulina		181
Gryllus configuratus	53548		plants--cont			Chronic interstitial nephritis		31557
Gryllus confirmatus	53548		conferences and congresses	58226			103990	
Gutierrezia	27604a		numbers	18554	47721	Chronic respiratory disease		4117
Haemanthus kathariniae	100076*			78155	18552*	4205	41987	31879*
Haematobia irritans	33168			78131*	18583*	72639*	104389*	104447*
Hemp	68516		reviews		47903*	Argentina		31982*
Hieracium	736		Podisma sapporensis		106095*	Belgium		93343*
Hierochloa odorata	748*		Podocarpaceae		627*	Bulgaria		31977*
Homoptera	53396		Polypodiaceae		58239	causes		62790*
Hordeum murinum	58444		Polypodium		673	control	82626	82639
Hydrophyllaceae	9401		Polytrichaceae		715		93202	93382
Hymenolepis dimiuta	42987		Proteaceae		703	Czechoslovakia		62907*
Hymenophyllaceae	68593		Prunella vulgaris		47776	eradication		82643
Hypoderma lineatum	33168		Psilotum nudum		68487	Germany		93196
Hypodermatidae	105700		Psylloidea		33285	East Germany		4169*
Hypoxylon pruinautum	68554		Pteridophyta	731	37669*	India	4232	22669
Icerya	23752		Pyrophorini		14576	31976	42029	10443
Impatiens holsti	89198*		Quercus		99848*	Japan	31992*	93175*
insects	53127	53147	Restio		18504		93368*	
63814	105541	33010*	Rhinanthus serotinus		58353*	prevention		4238
Isoetes asiatica			rice		37871	treatment	62873	13548*
isopods		63896*	Rosa		68658		62804*	82584*
Juncus		718	rose clover		9391	turkeys		4132
jute	27585a	78104	Rumex hastatus		47810	vaccines		62864
Kuwanja		23752	rye	759	821	Chroogomphus		99103
Lacifer lacca		14773		9601	18728	Chrotogonini		14922
Larix decidua	37774	47808	Saccharum		47787	Chrotogonus lugubris		64258
Leguminosae		27520a	Salicaceae		68580	Chrotogonus senegalensis		53544
lentils		78199	Samia synthia		5563*	Chrotogonus trachypterus		5591
Lepidoptera		53097*	Sarcophagidae		23639		14935	53547
Lepyrodia		18504	Schistocerca gregaria		33463	Chrysalis oil		32977*
Lobelia		99836	Schizosaccharomyces pombe		89297*	Chrysallidosperra n g		26876a
Loganiaceae		9418*	Scilla		58250	Chrysanthemum acid		63486
Lolium perenne		18527*		37752*	58208*	Chrysanthemum		
Loranthaceae	37810	47711	Scilla autumnalis		99826*	Afghanistan		46852*
Lotononis bainesii		68431	Simulium vittatum		33182	anatomy and physiology	1048	
Lychnothamnus		68473	Solanum	8601	18496	48428	89558	89757
Lycosidae		53204	sorghum	774	9505	68851*	78338*	
Macrozamia communis		8634		37905	68647	associations	10808	10869
Malvaceae		89227*	Spartina townsendii		9469	59740		
Medicago	27670	679*	Sphaerocarpus donnellii		47835*	breeding		9574
Mentha		18561*		89243*		culture	49191	59752
Mimulus		37730	Stomoxys calcitrans		33168		90454	101287
Mohria		58291	sugar beets	89087*	100018*	Belgium		10879*
Monnina xalapensis		89148	Swallenia		78080	Florida		69915
Monocotyledons		27498*	sweetclover		37637*	Germany		90455
Morus		9496	Swertia		37709	Great Britain		49223*
Musca domestica		42394	Tegenaria		83938	10883	39295	59731
Napaea dioica		99908	Thyanta pallidovirens		5428	101348		
Neurospora		58458	Thysanolaena maxima		99994*	Hungary		79587*
Nicotiana	820	856	Tipulidae		43071	Illinois		59685
oats	27676	47891	tobacco	27896	44724	India		10815
89147	89193		tomatoes	823	9553	Japan	1855*	90431*
Ochna atropurpurea		58249		27734	58446	Northern Ireland		10811
Odonata		43347	Tradescantia	18704	27766	Scotland		10799
Oenothera berteriana		27660*		58278		Sweden		39165*
Oestradae		105700	Tradescantia paludosa		9408*	cytology		9383
onions	28317	68579	Tradescantia virginiana		58359	diseases		77573*
89677	598*	37632*	Trochilium castaneum		5209	fertilizers	49988	60531
Orchidaceae	8576	27617a		33086	33122	fungus diseases		18220
68568*		78114	Trigonella caerulea		37636*	Belgium		18106*
Ornithogalum		9483*	Trillium		9456	control	57955	27131a*
Osmunda		27518a	Trillium kamschticum		681	Great Britain		27246a
Palamnaeus gravimanus		105596		89165--89170		Netherlands		57972*
Pales crocata		105709*	Triticum		8628	Norway		68136*
Palmae	27597a	47791	Troglophilus cavicola		43310*	Sweden		57979*
Panicum coloratum		645	Tsuga		9502	genetics		9574
Papaver		58242	Ulotrichales		37767	hardiness		69873
pearlmillet	89108	99919	Utetheisa ornatrix group		95495	hybrids		90443
pears		644	Vanda spatulata		9517	injuries		39503*
peas	19276	37802	Vanilla		27558a	judging		10771
Pennisetum ciliare		68537	vetch		37700*	nematodes	510	37491
Pennisetum purpureum		99919	Viola	99966	89206*	58133	68314	27378a*
Petunia hybrida		99992	Walterianella venusta		23626	nutritional deficiencies		1077
Phalaenopsis		58335	watermelons		37708	pest control		63589*
Phaseolus sublobatus		68445	Welwitschia mirabilis		27535a	pests		32875*
Phlaeoba infumata		5581*	wheat		852	propagation		49264
Phleum		37782*		18667	18724	varieties	1905	10870
Phryne cincta		43124*		18753	18754	29017	90443	90454
Pinus	2843	37659*		27638a	37628	Florida		69915
Pityrogramma thalictroides		99994*		68499	78330	Germany		49223*
Plantago coronopuz		37849*		100083	674*	Great Britain		10772
plants	8568	9466	Worsleya rayneri		9415	Hungary		90439*
	18656	27466a	Xanthisma texanum		58404	India	10815	49208
	58227	58326	yeasts	99906	100017	Minnesota		29019
	99857	100028	Zephyranthes candida		68606*	Nebraska		79630
57614*	99892*		SEE ALSO Genes; Meiosis; Mitosis; Polyploidy			Netherlands		39326*

\*Text of this reference is not in English.



Item			Item			Item		
Chrysanthemum--Cont			Chrysomelidae--Cont			Cider--Cont		
varieties--cont			Taiwan		94834	Austria		65458*
Scotland		10715	Tibet		94833*	chemistry		34234
virus diseases	27300a*	27301a*	USSR	5204*	53265*	Great Britain		10640
	37440*	88883*	Chrysomeloidea	5203	43035	manufacture	44194	75339
weed control		39503*	Chrysomphalus aonidum	5444	14171	65608*		96262
Chrysanthemum arcticum		8663	Chrysomya albiceps		33146*	microorganisms		
Chrysanthemum cinerariaefolium			Chrysomya bezziana		94172	reviews		6263
biochemistry		104968	Chrysomya marginalis		14242	properties		85735*
costs and returns		29398*	Chrysomya putoria		32587	Ciferriotheca		99057*
culture	49559	49566	Chrysomya putoria SEE Chrysomya pu-			Cigarette beetle SEE Lasioderma serri-		
	90770	11158*	toria			corne		
	60028*	101618*	Chrysomyxa arctostaphyli		57987	Ciliaria SEE Patella		
harvesting		93968	Chrysopa	5600	5609	Ciliochorella		8843
pest control		14091	Chrysopa basalis		5600	Ciliofusospora n g		99055*
pests		14945	Chrysopa carnea	5600	42692	Cimbodes		73609*
weed control		90635	Chrysopa comanche		5600	Cimex columbarius		73731
Chrysanthemum coccineum		14091	Chrysopa murrensis		14997	Cimex hemipterus	4690	13969
	37231	39597*	Chrysopa plorabunda SEE Chrysopa car-				83267	
Chrysanthemum frutescens		68427	nea			Cimex lectularius		63485
Chrysanthemum indicum	20039*	49213*	Chrysopa vulgaris		14740		83193	94309*
	59721*		Chrysopelma n g		83803*	Cimex pilosellus complex		33287
Chrysanthemum leucanthemum		17721*	Chrysophyceae	8829	77455	Cimicidae		
	18532*		Chrysophyllum marginatum		77390*	and disease	4690	23123
Chrysanthemum morifolium		709	Chrysopidae		14997	control		14044
	1259	38439	Chrysoprasia	23629*	43042*	cytology		33287
Chrysididae	33322	5465*	Chrysops	4781	73663	Mexico		14763
	105889*	105910*	Chrysops silacea		5233	taxonomy		73731
Chrysis			Chrysops 'venus		23687	Cimicifuga rubifolia		77384
Africa		105910*	Chrysopsysche		14903*	Cinara	95196	95197
Rumania		105889*	Chrysothamnus		98853	Cinchona	2995	10269*
Chrysis ignita group		5465*	Chrysotimus		105725		77316*	
Chrysis shanghaiensis	52936	33442*	Chrysotus	53326	105725	Cinder blocks		43817*
Chrysis verticalis		33346	Chthoniidae	94726*	94787*	Cinematography SEE Motion pictures		
Chrysobalanus cuspidatus		57575	Chthonius		105548*	Cineraria SEE Senecio		
Chrysobothris affinis		83530*	Chthonius balazuci		94787*	Cinerin I		83228
Chrysochraon japonicus		73870	Chthonius vachoni		94726*	Cinetinae		
Chrysocharis		53433	Churches	8081	46170	ecology		84107*
Chrysocharis seiuncta		95001*		56340		Cingalobolus bugnioni		73535
Chrysochraontes		33461	activities	20958	46144	Cinnamaldehyde		89922
Chrysocoris purpureus		5413		56740		Cinnamic acid	1301	100663
Chrysocoris stollii		5424	Chusquea subtessellata		18674		58406*	58999*
Chrysolina quadrigemina		42403	Chydenanthus excelsus		46918			59089*
Chrysomela fastuosa		5582*	Chymotrypsin		30982	Cinnamon		85154
Chrysomela knabi		105507	Chyphotes minimus		5462	Cinnamon oil		26012
Chrysomelidae			Chyphotes nitidus		5462	Cinnamomum camphora	30667	105416*
Afghanistan		94905*	Chytranda centralis		95679		100707*	
Africa	5203	14562	Chytridiales	8829	88825	Cinnamomum cecidodaphne		107253
	94954*	105622*	Chyzeria africana		63845*	Cinquacinn		92834*
anatomy and physiology	4814*	42578*	Cibotium chamissoi		44131	Cinquefoil SEE Potentilla		
and plant disease	42645	73206	Cicadella viridis		43171*	Contractia caricis		99127*
as pest		4790	Cicadellidae SEE Leafhoppers			Cinyphus		105835
biology		94898	Cicadelloidea	14732	23750	Ciodrin		42468
Brazil		53237*		43155	43158	CIPC	16061	34695
Carpathian Mountains		14532*	Cicadetta montana		53034*		79793*	85723*
Chad		23621	Cicadidae			effects on plants		24542
China		94868	anatomy and physiology		14755	effects on potatoes		65616*
collecting equipment		14578	and plant disease			in potatoes	54984	107248*
color		94960	as pests	4831	42670	properties		78928*
Congo	14502*	23624*	biology		37043	Circadian rhythm SEE Diurnal rhythm		
control		14137*	Canada		64110	Circaea alpina		17737*
ecology		53295	control		95161	Circaester		18538
evolution		105616*	cytology		63666*	Circling disease SEE Listeriosis		
Far East		73587*	ecology		14755	Circulatory system		61817
food and host plants	63972	42757*	habits and behavior		64110	camels		41340
	105016*		Hungary		14403	cats	104047	3805*
genetics		23626	Japan		94476*	cattle	4370	12932
Great Britain		5166	nymphs		43160		12935	13173
habits and behavior		42578*	parasites		42670		103874	72206*
insecticide resistance		105043	Rodriguez		77474	diseases		
Japan		94835	taxonomy	43177*	43178*	dogs	72438	13237
Korea		94868	types		43176*		92729	104044
larvae	14575	53296	Cicadina SEE Cicadoidea				52061*	72372*
Madeira Islands		83859*	Cicadinae		105815*	diseases		3805*
Middle Western States		13913	Cicadoidea	73704	95219*	goats	52466	104641
mountain areas		5203	Cicer SEE Chickpeas			horses	22413	104105
Nebraska		13913	Cichorium		41230*	laboratory animals		13414*
Neotropical Region		94822	Cichorium intybus SEE Chicory			mice		82488*
New Guinea		73572	Cicindela olivacea		83913	poultry	4150	62702
New Zealand		23622	Cicindelidae	83913	94911*	sheep	4360	22817
North America		23224	Cicindelini		94947*		104585	104586
parasites	4648	5473	Cicinnobolus cesatii		99072	swine	22998	52646
	95057*		Cicuta virosa		98896*		13891*	32488*
populations		53295	Cidaria turbata		105937*	SEE ALSO Blood		
preservation		94960	Cider	25526*	65382*	Circulifer tenellus		
Spain		105622*	acides		65608*	an plant disease	14112	23194
taxonomy	23625	94958	analysis and composition		54406		42597	42614
	14499*	43006*		65434	96808	breeding places		94295
		83901*		64983*		control	42597	42614

\*Text of this reference is not in English.

Item				Item				Item			
Circulifer tenellus--Cont				Citrus--Cont				Citrus--Cont			
flight	23194			associations	6696	25293		fungus diseases--cont			
life history	94295			25332	25333			control--cont			
migration	94295			bacterial diseases	27265a	47450		Australia		99442	
Cirolanidae	63894*			58052				California		9070	
Cirphis unipuncta SEE Pseudaletia uni-				biochemistry	38527	79052		Florida	18066	27085a	
puncta				19384*	28362*	100700*			18107	57911	
Cirrhaa icteritia nigricirris	95377*			breeding		1742		France		55169*	
Cirrhopetalum	88314*			canning		55198		India		58052	
Cirrhopetalum africanum	39265			care and handling equipment		24043		Morocco	77663*	77664*	
Cirrhosis	31608 31620	82653		chemistry		55004		Peru		77648*	
41753*				conferences and congresses		25332		genetics		836	68644
Cirrochroa thais		14893		25333	54932	107242		germination		89590	100700*
Cirroxylocopa SEE Xylocopa (Cirroxylo-				consumer preferences		44626		grading and standardization			65540
copa)				44627				85798	98252	107301	
Cirsium	8658*	57589*		consumption	6770	15940		hardiness	48163	58617	100171
Afghanistan		46852*		16054				28836*			
control	11021	90616		Europe		25377		reviews		58807*	
cytology	17757	18610		Florida		44622		harvesting		87211	
pollen		58336*		France		107259*		harvesting equipment		15172	
Cirsium altissimum		67859		containers	65575	75342		64470	95860		
Cirsium arvense				contamination	75348*	96809*		history		34662	
anatomy and physiology		27948		cooperatives				hybrids		28836*	
18946*				California		34746		industry			
control	20211 32610	49439		Florida	65478	85757		Argentina		54939	
70157*				Republic of South Africa		44641		Australia	25291	34652	
ecology		101511		Spain		65507*		Brazil		54939	
Cirsium discolor		67859		costs and returns				California	10624	79472	
Cirsium drummondii		57618		Florida	7954	45888	45927	Central America		44541	
Cirsium foliosum		57618		66945	108540			Egypt	34651	44539	
Cirsium horridulum		39454		Philippines		76230		Florida	16843	44569	85685
Cirsium laniflorum		57588*		Texas		45922		107233			
Cirsium vulgare		11128		credit	45494	66406		Israel		85679	
Cisidae	5156	83860*		culture	37093	38997	101157*	Italy	19802*	34683*	85682*
Cissus quinquefolia SEE Parthenocissus				Aden		28834		Jamaica		6696	
quinquefolia				Arizona		47105		Japan		34663*	
Cistaceae	88275	89133*		Australia		10618	10619	New Zealand		34652	
Cistelidae		105613		28830	39001			Sicily		54952	
Cistus ladaniferus		28392		California		314	8923	Texas	6709	25323	
Citizenship		27086		8961	19809	39013	39017	Western States		108583	
Citral		66018		77605	79472			injuries	17946	27016a	28831
Citrage		9204		Corsica		1753*		37126	57771	57789	58683
Citrates	44292 60426	102318		Florida	256	1738	1746	58711	77538	27067a*	37146*
2656* 21968*	21969*			1751	10626	19804	57827	37162*	101157*		
Citric acid				60697	79463			Australia		37114	68093
chemistry		6735		Greece		18866		California		926	
effects on plants		27509a		Italy		19802*	74041*	Florida	256	1738	1746
feed		52200*		Japan	38995	19806*	27067a*	1751	8909	10626	17979
fermentation	55886	97472		28829*	28842*	88660*		37106	44818	57795	
in animal physiology				New Zealand		59516		Japan	19806*	27015a*	27054a*
reviews		9890		Philippines		101166		27055a*	27058a*	37150*	68078*
in Aspergillus niger		68790*		Rio Grande Basin	37041	37142		99259*			
in fertilizers		2656*		37143	39023	99181		reviews		58807*	
in milk		65033*		Surinam		79452		Rio Grande Basin	37142	37166	
in molasses		35351		USSR		28824*		Texas	37167	37168	
in tomatoes		27990*		cytology	661	836		USSR		99139*	
in vegetables		55091		damage	65540	107301		insects		32852	
manufacture	75831	30791*		diseases	37082	297*		irradiation	55196	107330	
properties		7467*		China		99200*		irrigation	491	80527	
Citric acid cycle	48155	52448		Corsica	18041	26991a*		California	40206	80552	
93214 101796	10016*	78828*		Israel		88624		Florida	1759	91232	
reviews		9890		Pacific area		88604		Rio Grande Basin		40247	
Citricola scale SEE Coccus pseudomag-				Rio Grande Basin	37041	37143		labor	26536	45581	
noliarum				Southeast Asia		88604		losses	44818	107274*	
Citron	662 90300*	101144*		transmission		32851		marketing	44645	44663	25388*
Citronella grass SEE Cymbopogon nardus				Uruguay		17997*		Australia	28830	34652	
Citronella oil	86290	26130*		ecology		58190*		Europe		6779*	
Citrovorum factor		78959		enzymes	44621	44609*		Florida	25418	44633	55028
Citrulline		38560		exchanges		15954		79463	85780	85872	
Citrullus	18767	37905		fertilizer application equipment		64442		Israel		44653	
Citrullus colocynthis SEE Colocynth				fertilizers	11645	20603	29790	Italy		44640*	
Citrullus vulgaris SEE Watermelons				39902	39960	70646	102072	New Zealand		34652	
Citrus				29664*	39961*			Texas		44673	
abnormalities	18041	37114		British Honduras		20773		microorganisms		65621	
47777				California		2319	11561	morphology		68523	
advertising	34039 34728	44663		11577				nematode resistance	18107	57911	
15961* 75242*				Florida		20602	50174	58130			
analysis and composition		6752		Spain		70505*	80308*	nematodes	495	9295	9297
55002 69716	85739	44618*		USSR			70517*	29461	37500	37527	99719
96809*				for processing			25512	Arizona		88940	
anatomy and physiology		926		forcing		59526		Australia		99680	
1053	9295	9832	9845	fungus diseases		37214	37279	California		77954	
11561	11645	18866	18952	37280	57924			control		491	
28180	29461	37527	38180	Australia		9099	47337	Arizona		27356a	
48450	58683	68728	78819	88796				California		47568	
88624	89070	100116	100171	control	107336	18166*	18917*	Florida		77953	
17558*	27977*	28152*	58893*	55154*				Republic of South Africa		9282*	
68930*	78732*	78814*	99161*	Africa		37263	37278	Morocco	18410*--18412*	68334*	

\*Text of this reference is not in English.



Item				Item				Item			
Citrus--Cont				Citrus--Cont				Citrus--Cont			
nematodes--cont				processing--cont				varieties			
Puerto Rico				Florida				Brazil			
nutritional deficiencies				Germany				Florida			
68990 78601 100265				Taiwan				India			
28127* 100182* 100412*				processing equipment				Japan			
bibliographies				production regions				Morocco			
nutritive value				products				Rio Grande Basin			
packing				65621 85451				Sardinia			
California				Israel				virus diseases			
Florida				propagation				18356 18371			
55116*				68305*				88884 468*			
pest control				pruning				Brazil			
105264				59536 101157*				California			
Africa				Australia				58090 99574			
Australia				Florida				Ceylon			
biological				Japan				control			
Africa				Spain				Corsica			
California				pruning equipment				India			
Italy				pulp				Japan			
Kenya				quality				Morocco			
Mexico				44645 65552				Republic of South Africa			
Spain				refrigeration				Sardinia			
California				regulation and inspection				Surinam			
42660 94361				rootstocks				transmission			
chemical				58130 58617 68644				42694 63650			
Italy				101139				waste 55078 55174			
Spain				Brazil				82030 103089*			
USSR				Ceylon				weed control			
63613* 83419*				Florida				90593 95923			
Cyprus				4874				California			
Florida				69719				Texas			
23340 42659				Hawaii				yields			
integrated				India				11561 28180			
Israel				Japan				Citrus aurantifolia SEE Limes			
Italy				Peru				Citrus aurantium SEE Sour oranges			
83399* 83464*				Rio Grande Basin				Citrus bergamia SEE Bergamot			
Japan				Texas				Citrus blackfly SEE Aleurocanthus			
Lebanon				seeds				woglumi			
natural				situation and outlook				Citrus bud mite SEE Aceria sheldoni			
Republic of South Africa				44553 44559 44586				Citrus flat mite SEE Brevipalpus lewisi			
42712				Argentina				Citrus juice			
Taiwan				California				adulteration			
Texas				Central America				analysis and composition			
Tunisia				Europe				96816 75207* 75212*			
pest control equipment				Florida				comminuted			
pests				Italy				concentrated			
297*				25296* 54956*				consumption			
Africa				Rio Grande Basin				6770			
Australia				Spain				containers			
Brazil				44582* 54956*				dried			
California				Tunisia				grading and standardization			
42691				West Indies				in dairy industry			
Chad				soils				industry			
Cyprus				60122				tests			
Florida				Arizona				trade			
105313				Australia				Japan			
Israel				Florida				vitamins			
Italy				Japan				27351			
Japan				Surinam				Citrus mealybug SEE Pseudococcus citri			
Morocco				Spain				Citrus medica SEE Citron			
Mozambique				spoilage				Citrus mitis			
Pacific area				spraying and dusting				15933			
Poland				18918*				Citrus molasses			
105283*				Florida				Citrus natsudaikai SEE Sour oranges			
Republic of South Africa				17938 17939				Citrus nobilis unshiu SEE Satsuma			
32851 42651 42671				Republic of South Africa				oranges			
Rio Grande Basin				Texas				Citrus oil			
Sicily				105264				7267* 55670*			
Southeast Asia				spraying and dusting equipment				Citrus red mite SEE Panonychus citri			
Southern Rhodesia				64524 43676*				Citrus reticulata SEE Mandarin oranges			
Spain				statistics				Citrus rust mite SEE Phyllocoptruta			
Taiwan				107406*				oleivora			
Texas				Florida				Citrus unshiu SEE Satsuma oranges			
physiological diseases				44816 45396 66945				Civil rights			
58052 1245*				86546				Civilian defense			
plant parasites				New Zealand				8413 17246			
planting				Spain				17298 24325			
Argentina				diseases				27372 36421 36422			
Australia				16043 65575				57171 76937 81213			
Brazil				107336 55154*				and dairy industry			
California				Florida				and feed supply			
10624 80552				Germany				and food supply			
Florida				44761*				33977 34091			
Rio Grande Basin				thinning				study and teaching			
38993				trade				Cladium SEE Mariscus			
policies and programs				Europe				Cladobotryum ternatum			
54961 58090				Germany				Cladocolea n g			
pollination				Israel				Cladolasma n g			
pre-harvest drop				98252 98283				Cladolasma parvula			
processing				89314 56999*				37647*			
6854 16054 75318 107242 75348*				Italy				78719*			
				Spain				27895*			
				West Indies				10031			
				transportation							
				107274*							

	Item		Item		Item		Item
Cladonia elongata	37005	Clayey soils--Cont		Climate and weather--Cont			
Cladonia mitis	10031	Texas	76404	effects on Apis mellifera	32970		
Cladonia rangiferina	10031	United Arab Republic	60082	63763	42826*	63734*	63785*
17897*		Clayton yellow	96265	73423*			
Cladophora	89128*	Claytonia	77419	effects on apples	48185	57780*	
Cladosporium cucumerinum	371	Claytonia caroliniana	18483*	effects on apricots	28210	59578*	
9065	27163a	Clear Lake gnat SEE Chaoborus astic-	26887a	effects on arthropods		83799	
88818	99318	topus		effects on barley	19035*	28530*	
88763*		Clear-winged grasshopper SEE Camnula		effects on Betula pendula		71299*	
Cladosporium fulvum	37195	pellucida		effects on Betula pubescens		71299*	
18227*	47349*	Cleistanthus	17726*	effects on buffaloes	71917	92211	
99403*		Cleistocactus	46831	effects on butterflies		23846	
Cladosporium herbarum	99376	Clema	105620*	effects on Carpocapsa pomonella		83458*	
Cladosporium macrocarpum	37315*	Clematis		effects on carrots	37943	58603	
Clambidae	83863*	culture	59724	effects on cattle	3374	3627	
Claopodium crispifolium	58234	39944*	79563	3752	13213	22832	41413
Clarissa	43194	fungus diseases	18219*	41460	51859	58138	72142
Claritex	15327*	nutritional deficiencies	78513	92211	13001	3660*	3733*
Clarkia	37907	varieties	20006*	3762*	31389*	41638*	41686*
Clarkia arcuata	37907	Clensel	105253	41714*	51866*	51953*	71960*
Clarkia elegans	47691	Cleome ornithopodioides	67879*	92615*			
Clarkia exilis	78328	Cleome polytricha	36910*	reviews		41707*	
Clarkia lassenensis	37907	Cleome spinosa	99079*	effects on Catleya		39157	
Clarkia rhomboidea	47773	Cleoninae	43033*	effects on cherries		59578*	
Clarkia unguiculata SEE Clarkia elegans		Cleonus punctiventris	14585*	effects on chinchillas		92830*	
Clary oil	75676*	Cleora	105962	effects on Christmas trees		2768	
Classeyana n g	95194	Cleptocoris	5430*	effects on citrus	17946	57771	
Clasterosporium carpophilum	379*	Clergymen	20953	100116			
47290*	68222*	Cleridiae	53271	effects on clover	1534*	78869*	
88786*		83911*		effects on cockroaches		106090*	
Clasoptera undulata	4903	Clerodendrum	37721	effects on Coleoptera		94927*	
Clathridium	229	Clerodendrum incisum	100400	effects on Collembola		33499	
Clathrus cibarius	99121	Clerodendron infortunatum	100695	effects on Contarinia medicaginis		73228*	
Clathrus ruber	37017*	Clerodendron schweinfurthii	5429	effects on corn	34939	58899	
Clavaria	88543	Clerodendron trichotomum	100627*	58900	89610	1037*	49446*
Clavariaceae	37011	Clethra	26825a	80393*	89507*		
Claviceps	17882	Clethrionomys rufocanus bedfordiae	40686*	effects on cotton	27923	38362	
99101	57867*		95201*	88638	59298*		
Claviceps cinerea	91931	Cletomorpha	5460	effects on Crambe abyssinica		18988*	
Claviceps gigantea	57914	Cletus bipunctatus	1850	effects on cucumbers		1945*	
Claviceps microcephala	27175	Cleyera japonica		effects on Culicoides impunctatus		33187	
Claviceps paspali	68111	Click beetles SEE Elateridae		effects on currants		79508*	
89856*		Clidemia	88345	effects on Cymbidium		10806	
Claviceps purpurea	57865	Cligenes	105852	effects on Dactylis		78360*	
2083*		Climate and weather	35605	effects on Dasineura tetensi		73257*	
anatomy and physiology	27175a	80606	80651	effects on Dicentra		89521	
38210		Alabama	81247	effects on Drosophila	53364	95104*	
biochemistry	1331	Algeria	46657*	effects on Enarmonia woerberiana		42727*	
10241	78891	and disease	17463	effects on Fagus	48143	71243	
100564	1326*	Australia	80191	1185*	71302*		
28321*	38572*	Brazil	36565*	effects on fibers		25132	
79033*	89830*	Bulgaria	39355*	effects on field crops	69355	1148*	
Claviger testaceus	89955*	Burma	69425	48473*	68699*	69122*	89731*
Clavine	1326*	California	8961	91094*			
Clavulina castaneopes	88615*	Cambodia	48665	effects on forage plants		1042	
Clay minerals	11173	Canada	57361	1266	51753	89386	1344*
Clayey soils	1011	98677		38215*	38835*		
11202	11289	Chile	31049*	effects on forest fires		2861	
49678	49705	China	57362	12165	40706	61217	61221
101492	2092*	Colorado	572	61230	81214	91553	102807
Belgium	29887	conferences and congresses	8517**	71164*			
Canada	7903	Costa Rica	46655	effects on forests	9693	50969	
19638	21260	Dahomey	59450*	61048	61233	81027	81090
106274		effects on Acacia decurrens mollis	48072	91616	91626	102660	552*
Ceylon	101725	effects on Acer	78399*	21336*	21356*	21361*	27602*
Colorado	29900	effects on African oilpalm	58879	30289*	40720*	40721*	40725*
Czechoslovakia	79823*	effects on agriculture	77075	47692*	50991*	71072*	71130*
Finland	102092*	78442	109230	71283*	71296*	77710*	81237*
Germany	39823*	77082*	77100*	925		69703	
East Germany	50229*	109229*		77585	18035*	57785*	58853*
70671*	90183*	Albania	98680*	65491*			
Great Britain	40106	Denmark	98667	effects on fungi		67754	
70691	101777	Ireland	98667	effects on geese		31994*	
Hungary	70684*	Japan	77074*	effects on Gerbera jamesonii		89515*	
Italy	11243*	effects on Agrotis ipsilon	95509	effects on goats	42124	72737	
90881*	90990*	effects on alfalfa	59328*	effects on grain	1534*	48710*	
Jamaica	20786	78869*		85914*	89732*		
Louisiana	29287	effects on alpine plants	58695*	effects on grapes	932	49131	
Netherlands	20373	effects on Ambrosia	1018	59617*	59619*		
11172*	19208*	effects on animals	17921	effects on Grapholitha woerberiana		33422*	
39966*	40303*	21956	62106	effects on grasses	58921	95908	
Northern Rhodesia	87276*	72774	92104	48245*	70576*		
Oklahoma	90100	53971*					
Poland	45819	effects on Anopheles maculipennis	73157*				
Puerto Rico	49593*	effects on ants	14790				
Republic of South Africa	20586	effects on aphids	14725*				
Rumania	49767						
Sicily	39703*						
Switzerland	20797*						
Taiwan	78015*						
	19002*						
	91015*						

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.



## Item

## Climate and weather--Cont

effects on grasshoppers and locusts	95565
effects on hardwoods	30356
effects on herbicides	70081
effects on Heteroptera	23749*
effects on Homoptera	23329* 23749*
effects on honey plants	63763
	73401* 83636*
effects on hops	18833 20349*
effects on horses	72486*
effects on <i>Hypera postica</i>	94982
effects on insect populations	68080
	88628 94632 42751* 73322*
	94480*
effects on insecticides	14187
	52939 83421
effects on insects	63672 73478
	94656 19079* 37133* 105045*
	105046* 105342*
effects on <i>Kakothrips robustus</i>	84206*
effects on <i>Kura clover</i>	27820
effects on <i>Ladino clover</i>	27820
effects on <i>Leirus quinquestratus</i>	5061
	58603
effects on lettuce	28125*
effects on Liliales	52144
effects on mice	14187
effects on mite populations	52939
effects on <i>Musca domestica</i>	95051*
effects on oil plants	48375
effects on olives	89954*
effects on ornamental plants	8898
effects on <i>Ortheziapraelonga</i>	33277*
effects on Orthoptera	5587*
effects on <i>Oscinella frit</i>	42629*
effects on <i>Ostrinia nubilalis</i>	42598*
effects on <i>Oulema melanopa</i>	83910
effects on <i>Papaver somniferum</i>	38346*
effects on peaches	28210 37056
effects on <i>Perillus bioculatus</i>	83331*
effects on <i>Philaenus spumarius</i>	83910
effects on <i>Piesma quadratum</i>	52861*
effects on pineapples	78435
effects on <i>Pinus</i>	21271 81163
effects on <i>Pinus halepensis</i>	50740*
effects on <i>Pinus hamata</i>	103054*
effects on <i>Pinus nigra</i>	57951* 88775*
effects on <i>Pinus resinosa</i>	61141
effects on plant disease	9135
	17921 18023 18038 18127
	18138 18177 18279 27249a
	47185 47368 57934 58011
	68080 68189 77794 88701
	88837 9050* 18050* 27236a*
	37133* 77710*
research methods	
statistical	8974 8948 8969
reviews	37069
effects on plants	18645 18734
	18863 19139 19214 19228
	38107 38451 60235 68808
	69041 78442 78739 89717
	106735 17990* 18001* 18034*
	19079* 23062* 26778a* 27823*
	47971* 48464* 58913* 68678*
	68778* 77144* 78605*
reviews	47116*
effects on plums	59578*
effects on plywood	81474*
effects on <i>Popillia japonica</i>	94852*
effects on <i>Populus tremula</i>	71260*
effects on potatoes	68986 69012
	57798* 100095*
effects on poultry	31799 62783
	104289 72610* 72611*
effects on <i>Praon palitans</i>	53413
effects on <i>Prunus amygdalus</i>	28210
effects on red clover	952* 18818*
effects on rice	86059 18032*
	18033* 28470* 37916* 58648*
	58678* 58679* 58680* 68660*
	90023* 90035*
effects on rodents	37063*
effects on root crops	89733*
effects on rye	78303

## Item

## Climate and weather--Cont

effects on <i>Schoenbius incertulas</i>	106034
effects on sheep	13625 22825
	22832 32298 42124 63167
	93651 93701 93708 93717
	104739
effects on slugs	99256
effects on soils	2195 11375
	20391 49767 60235 70280
	90820 90962 11180* 11251*
	29587* 39764* 49894* 80211*
	101813*
effects on sour oranges	37118*
effects on soybeans	58900 9905*
effects on sugar beets	19722* 78578*
	78613* 100308*
effects on sugarcane	89587*
effects on sunflowers	38346* 101063*
effects on swine	51866*
reviews	22947
effects on termites	53585*
effects on textiles	15825
effects on <i>Therioaphis maculata</i>	53413
effects on Thysanoptera	53580
	43368* 84218*
effects on tomatoes	10078*
effects on <i>Tortrix pronubana</i>	84142
effects on trees	28000 40580
	48199 71272 100094 2786*
	11993* 36624* 38052* 40696*
	100385*
effects on <i>Trogoderma granarium</i>	83522
	93013
effects on turkeys	93013
effects on vegetables	59810 90507*
	90569*
effects on wheat	1181 59201
	78759 19035* 27994* 44481*
	78716* 78791* 89524*
effects on wool	15818 34567
	75112
Europe	77259*
Florida	77084
forecasting	27016 27610 57370
	67656 68086 102793 102863
	27607* 36562*
Arkansas	36555
Canada	27611
Florida	17979 37060 57795
France	58913*
Germany	17469* 47164* 57364*
	77078* 98681*
Japan	36563*
Kansas	77080
Mexico	27606
Michigan	57369
New Jersey	77096
Oregon	67659
Sweden	30450* 88076*
Taiwan	40174*
Tennessee	88642
Texas	27601 46656 47100
USSR	98675*
Utah	57359
France	81258 46661* 109232*
Germany	293 7721* 19774*
	36552* 98674*
East Germany	40721*
Great Britain	77092 89041
	89387 89717 102820
Great Plains	556
Hawaii	38011
Hungary	89620*
India	17460 108071
Indiana	64932 77093
Iowa	77094
Italy	37552* 108031*
Japan	89031 38320* 67652*
	67654* 70807* 77087*
Kansas	78023
Laos	88073
Louisiana	13115
Massachusetts	27603 27604
	36558 36559 57360 98670
	98672
Mediterranean area	57367 46692*
Minnesota	36550

## Item

## Climate and weather--Cont

Missouri	8512 17467 75371
Nebraska	88075
Netherlands	65571*
New Jersey	57368
New Zealand	50302 109230
North Carolina	36553
Northeastern States	27598 27599
	46654
Norway	98679
Poland	10982* 36554* 36556*
	36561* 61235* 61240* 89731*
	89732* 89733*
research methods	
statistical	9306 17466
Rumania	2497* 90085*
Scandinavia	17555*
South Carolina	77085 77091
Sweden	69122*
Tatra Mountains	68361*
Tropics	87332
USSR	29617 71350 30004*
	60234* 76140*
Utah	27608
Vietnam	88073
Western States	49633
Wyoming	26818a
Climbing plants	10818
anatomy and physiology	68839
diseases	48455*
identification	8944 99293
pruning	10861
varieties	90458
	20092
<i>Clingmantha n g</i>	15002
<i>Clinodiplosis sarothamni</i>	14657
<i>Clinogyne dichotoma</i>	99437
<i>Clinopodes poseidonis</i>	23560
<i>Clinopodium gracile</i>	98977
<i>Clinostat</i>	69112
<i>Clinostomum</i>	62522
<i>Clitellariinae</i>	83919
<i>Clitocybe elegans</i>	18094* 26939a*
<i>Clitocybe illudens</i>	69174
<i>Clitocybe illudens oil</i>	66022
<i>Clitocybe infundibuliformis</i>	2218*
<i>Clitocybe lituus</i>	733*
<i>Clitocybe tabescens</i>	37225 99293
	77663*
<i>Clitoria ternatea</i>	19393 49397
<i>Clivia cyrtanthiflora</i>	10874
<i>Clivina fossor</i>	33127*
<i>Clivia miniata</i>	88557 100666*
<i>Cloches</i>	10571 59649 59850
<i>Clonostachys</i>	8879
<i>Cloresmini</i>	95198*
<i>Cloresmus</i>	95198*
<i>Closterium</i>	77457
<i>Closterocerus trifasciatus</i>	53361*
<i>Closterothrix</i>	14903*
Clostridial diseases	51497 103183
cattle	31325 41583*
laboratory animals	22467*
poultry	4248
sheep	4381*
swine	83049
vaccines	4381*
<i>Clostridium</i>	4248 43924 45028
	51497 91973
dairy products	
food	64740* 65071*
meat	64752*
silage	71783
<i>Clostridium botulinum</i>	103087*
	3989 24460
	55509 61885 84779 84924
	84933 92556 94132 103240
	104139 106647 81784* 84824*
<i>Clostridium brevifaciens</i>	33366
<i>Clostridium chauvoei</i>	72214 4011*
<i>Clostridium hemolyticum</i>	51945 92442*
<i>Clostridium novyi</i>	82304
<i>Clostridium pasteurianum</i>	
reviews	20491
<i>Clostridium perfringens</i>	6024 6043
	31394 44054 45009 82966
	84924 103183 103379 106578
	3179* 13504* 22837* 52477*
	61724* 61857* 63231* 64838*
	92020* 92034*

\*Text of this reference is not in English.

	Item			Item			Item	
Clostridium septicum	82605	22467*	Clover root borer	SEE	Hylastinus		Cobalt--Cont	
Clostridium welchii	SEE	Clostridium	obscurus				in soils--cont	
perfringens			Clover root curculio	SEE	Sitona hispi-		Rumania	101904*
Clothes moths	63671	63685	dulus				Tasmania	100363
Clothing		6656*	Cloves	54458	85159		in soybeans	89688
Clouded sulphur	SEE	Colias philodice	Clovina	95155	14770*		in subterranean clover	100088
Clover			Clubroot					100363
anatomy and physiology		1082	Brassica oleraceae		47338		in swine nutrition	32356*
9805	11347	19170	cabbage	47347	77758*		in vegetables	38455*
58668	67772	89104	Chinese cabbage		18134	Cobalt chloride		52192*
100285	19006*	19216*	Cruciferae	27106a	47347	Cobalt nitrate		96715*
78642*	78780*	89408*	rutabagas		99496	Cobalt oxide		93671
biochemistry		48561	turnips		77845	Cobosolia n g		23581*
breeding		48818	Clubs SEE Organizations			Cocal virus		42494
control		29167	Clunio marinus		105747*	Cocarcinogen		97210
culture			Clusiidae		5323	Coccidae		
Australia		69502	Clyparge n g		43220*	Africa		33253
Denmark		1592*	Clysiana ambiguella		83408*	anatomy and physiology	23777	23776
Florida		1597	Clysiella ambiguella	SEE	Clysiana			43167
Germany	59341*	59401*	ambiguella			as pests		42679*
East Germany		28697*	Clytra opaca		14543*	Brazil		23748*
Great Britain		19472	CMA SEE Solan			control		52686*
Sweden		10512*	CMU SEE Monuron			larvae	23768	95225
Switzerland		59322*	Cnemidocoptes	SEE	Knemidokoptes	parasites	43187	64081*
cytology		58215	Cnemodon		43048*	Poland		43161
defoliation	1620*	28641*	Cneorane		105617*	Coccidencyrus ambiguus	SEE	
dried	51700*	51702*	Cnephasia longana		94288*	Mercetencyrus ambiguus		
ecology		590	Cnephia		23653*	Coccidia		4412
feed		51698*	Cnephia abditoides		5338	Coccidioides immitis		18503
fertilizers			Cnephia atzompensis		23653*	Coccidioidomycosis		13292
California		1082	Cnephia mixensis		23653*	Coccidiosis		81803*
Canada		49980	Cnidium		79025*	buffaloes		91952
Denmark		101968*	Cnidocampa flavescens		52936	cats		22346*
Mediterranean area		40020*	Cnidus		14769*	cattle	31308	62214
Oregon		29777	CNSL SEE Cashew nutshell liquid			92569	3583*	
Sweden		49954*	Co-Ral SEE Bayer 21/199			Guatemala		3524
USSR	70659*	80443*	Coagulase	54544	96408	Illinois		103621
fungus diseases	9116	99461	Coal		60797	immunization		62395
Estonia		27170a*	Coal tar	83019	27255a*	Poland		62213
Finland		88708	Coal tar oil		12280*	resistance	31241	62310*
Germany		57878*	Cobalamin	SEE	Vitamin B12	Spain		31364
New Zealand		99275	Cobalt			control		31277*
Sweden	57867*	77637*	effects on beans		68807	diagnosis	103198	51530*
genetics		58383	effects on cattle		12863	dogs	22338*	72126*
germination	9805	58668	effects on parasites		104166*	ducks	4141	22346*
harvesting		69528*	effects on plants	27017a	47929	geese	13521	13499
inoculation	70379	90936	68763	9488*		goats	63126	93306*
irrigation		2547	effects on ruminants		41288*	reviews		72874*
Israel		79332	effects on soybeans		100035*	poultry	4185	63153
moisture		71639	effects on tomatoes		38456*	41957	4185	31922
morphology	9541*	58339*	effects on Xanthium orientale		48374	52174	62813	42028
mountain areas		70379	in alsike clover		18987	104437	4215*	62876
nematodes	498	9277	in animal nutrition		12709*	32018*	52259*	62912
pest control	32744	32805	in Asarum europaeum		69075*	104393*	104394*	22584*
pests	63971	42990*	in Bombyx mori nutrition		53099	causes	31849	31881*
pollination		42814*	in cattle nutrition	62141	72009	control	4140	104411*
processing	51433*	51700*	62131*	72059*		13503	22657	4154
proteins		71639	in cattle physiology		103762	93226	4144*	62890
seeds	69528*	97421*	in dairy products		96413*	13547*	42006*	4146*
cleaning		55765*	in feed		103141*	93274*	93321*	72660*
Denmark		42814*	in food		84820*	diagnosis		93351*
Finland		1534*	in forage plants	80140	51434*	Great Britain	41991	32016*
New Zealand		29584	78712*			Greece		62847
Sweden	28641*	57867*	in hay		29479*	prevention	31837*	72645*
Switzerland		59322*	in livestock products		84807*	resistance	22639	82599*
treatment		88760*	in Lolium perenne		100088		93199	42115
vernalization		78869*	in milk		96413*	Rumania		62849*
soils	9707	11347	in plant nutrition		18822*	transmission		93228*
varieties	1597	90134	in plants	1154*	39706*	treatment		52293
78869*	90188*		84807*			62910	4181*	31926*
Africa		79316	reviews		89740*	31987*	52254*	31956*
Australia		79316	in poultry nutrition		104292*	93168*	93178*	62930*
Georgia		1567	in poultry physiology	22549	93179	USSR		93231*
Great Britain		48818	62834*			rabbits	42116	52263*
Israel		79332	in pulp and paper	51253	61470	control		93548*
virus diseases	18376	68266	in rabbit physiology		4304*	immunization		72708*
88891	47471*	58086*	in ruminant nutrition	80140	71612*	Poland		72714*
Finland		99658*	91878*			resistance		42115
Poland		99615*	in sheep nutrition	22801*	63050*	treatment		4295*
reviews		68275*	in sheep physiology	52410	93648*	reviews	21868	91991
transmission	94310	94311	in soils	11301	1154*	91993		
weed control		101523*	12709*	39706*	39783*	sheep	4412	63126
yields	49980	70659	Bulgaria		29517*	63158*	72874*	63157*
38835*		90125	Germany		101765*	reviews		63153
SEE ALSO kinds of clover			East Germany		60160*	Spain		30881*
Clover extract		93622*	Italy		20414*	treatment		3246*
Clover head weevil	SEE	Hypera meles	New England		80140	turkeys	22585	22684
Clover mite	SEE	Bryobia praetiosa	Poland		29479*	31932*	52253*	104463
						USSR		3235*

\*Text of this reference is not in English.



Item		Item		Item	
Coccidoxenus	95277	Cochlearia	125*	Cocoa--Cont	
Coccidizin	31956*	Cochlicella barbara	23371	industry	15546
Coccinella	73576	Cochliidiidae SEE Limacodidae		manufacture	74607
Coccinella explanata	73590	Cochliobolin	48598* 58786* 58787*	pest control	63654
Coccinella hasegawai	73590	Cochliobolus	37008 67968 67969	pests	33256
Coccinella septempunctata	33073	17871*		prices	96279
	33074 63933	Cochliobolus carbonum	100067	processing	106839
Coccinellidae		Cochliobolus miyabeanus	8979	storage	15553
Afghanistan	63914*	age	88777	trade	
anatomy and physiology	53255	Cochliobolus sativus SEE Helmintho-		Scandinavia	108886*
as pests	105684	sporium sativum		Cocoa butter	
as predators	13914 63977	Cochliomyia	94076	adulteration	55582
43159* 64096*		Cochliomyia americana	73163	analysis and composition	26037*
Australia	42612	Cochliomyia hominivorax		64972* 75700* 86277*	97200*
biochemistry	33073	age	83928	substitutes	86277*
Burma	105640	control	14012 23131 63453	statistics	
Caribbean area	94818	94076 52725*		France	85083*
China	105650*	cytology	73646	trade	
collecting	94882	dissemination	23672	Poland	8237*
control	14116	fertility	53314	Coconut meal	21773 44395 4414*
diapause	53255 63933	genetics	73646	52530*	
ecology	14529 53255	hosts	63512	Coconut milk	15921 19258 100296*
Estonia	23610*	nutrition	73632	Coconut oil	24704
genetics	53255	pupae	14589	analysis and composition	55633
geographic distribution	73611*	reproduction	5252 5284	consumption	26138*
Germany		sterilization	14589 23035 63453	feed	16304 67318
East Germany	33088*	Texas	52778	India	32342
host animal relations	63977	Cochylidae	64222 84176* 95431*	processing	45137
host plant relations	5124	105940*		trade	75720*
India	94889 105640	Cochylis	106036 32817*	Coconut sap	67318
Japan	53272 53273 73590	Cockingsia samsinaki	63856*	Coconuts	15910
Madeira Islands	83818*	Cocklebur SEE Xanthium		abnormalities	9474
migration	14524 14580	Cockroaches		acreage and area	15900
Near East	94821*	Albania	84199*	anatomy and physiology	10087
Netherlands	33131*	anatomy and physiology	33472	18314 19108 28203	37268
New Guinea	53235*	43328 84190 64249*		78632 78735 48016*	
Oriental Region	73576	bacteria	53536	biennial bearing	27781
overwintering	14524 14540*	biochemistry	73851	biochemistry	28372 69275 78987
parasites	5456	Brazil	23936*	breeding	10630 19794 28826
populations	94882	color	5592	69728	
prey	94818	control	14225 83240 94215	Cambodia	28828*
Ryukyu Islands	53273	105067 105343		Ceylon	10620 69714
tagging	94882 94865	Florida	73289	climbing	10622
taxonomy	83819* 83820* 94866*	Japan	4670	costs and returns	16909
Coccoidea	53397	Nairobi	14044	credit	86659
anatomy and physiology	95213	development	64247	culture	79464 39024* 79455*
as pests	4846	digestion	14911	Ceylon	59523
Asia	73702*	eggs	73857 73877	Colombia	49064*
Austria	73707*	embryos	5579 5580	Fiji	59522
California	84046	enzymes	33458	India	10413 10414 11132
cytology	5382 95168 43179*	evolution	84200 64259	16909 35917 39006	39008
dissemination	105283*	evolution and behavior	43326 64259	68923 79468 101160	48016*
eggs	43179*	84190		49068*	
Florida	53411	insecticide resistance	4670	Philippines	70614
food and host plants	73707*	Israel	23919*	Trinidad and Tobago	101146
geographic distribution	53382*	larvae	73877	cytology	9369 37882
Great Britain	95164	nematodes	23925*	diseases	8933 18029 68062
identification	105845	North America	33462	dried	16037 55165
India	5371	nutrition	64247	dwarf	100070
life history	64098*	nymphs	73858	enzymes	89889
Ohio	105836	parasites	73858	farms	86965
Pakistan	33261	populations	106090*	fat and oil content	78987
parasites	33261 84071*	protective devices	53546	fertilizers	10087 11586 79455*
predators	33261	rearing and breeding equipment		Ceylon	20634 60452
taxonomy	14750 43150 53410 95273	regeneration of parts	43332 53543*	India	11578 80347
73730 95164 95204		reproduction	73857	Ivory Coast	91073*
5381* 14772*		respiration	23938	Philippines	68288 70614
Texas	105842	weight and measurement	73877	fungus diseases	37268 37321
types	53383	Cocks		57989	
USSR	5400* 14722* 53382*	anatomy and physiology	52156 93348	genetics	100070
United Arab Republic	43156 64093	62702 82537 82543		germination	37933 68923 89889
Coccomyces hiemalis SEE Cylindro-		104229 31764*		harvesting	101142
sporium hiemalis		and heredity	92980*	harvesting date	39006
Cocconeis	17850 36956*	care	4050	history	10625 39618
Coccophagoides similis	53461*	diseases	62792 22507	husks	10829 30676
Coccophagus	43188 95274	feeding and nutrition	4053 52164	hybrids	100070
Coccorhagidia	23575	52161 31781*		industry	
Cocculus toxiciferus	57597*	fertility	22480 52161 52164	Ceylon	15904 34659 84767
Coccus ceriferus	95185	62714 93000*		India	44546 44565
Coccus hesperidum	95281 105308	growth	31748* 31781* 62685*	Jamaica	65401
Coccus oleae SEE Saissetia oleae		habits and behavior	13439 93039*	Philippines	107239
Coccus pseudomagnoliarum	32833	Cocksfoot SEE Dactylis		insects	83760
	42691	Cockspur SEE Echinochloa		irrigation	78632
Coccus viridis	83474	Cocoa		Jamaica	63677
Cochineal insect SEE Dactylopius coccus		contamination	74321 106841	keeping quality	96855
Cochisemyia n g	95072	grading and standardization	6291	losses	105305
		history	70217*	marketing	86659

\*Text of this reference is not in English.

	<u>Item</u>				<u>Item</u>				<u>Item</u>		
Coconuts--Cont				Coffee	101615	90776*		Coffee--Cont			
morphology	27625a	68062	78195	abnormalities	47833	78230		diseases	17982	47090	77546
nematodes	480	105255	105291	acreage and area		24682		37035*	88651*		
105292	77971*			advertising	15529	34228		drought resistance		48048	9878*
pest control	14180	83429	105255	54455	56987			drying	44092	44223	85111
105292				advisory services		101598*		85140	44198*	44223*	96261*
biological	4850	23335	32821	agreements	8199	27275	56976	106818*			85088
Ceylon			63612	56995	57008	57010	57013	drying equipment			37562
Colombia			52960*	76750	76776	87660	87692	ecology			39621*
India	8933	52944	83451	87703	108903	46368*	46374*	El Salvador			106830
integrated			63624	67296*	85110*			exchanges	24692	74574	34277*
pests	33375	83429	105291	analysis and composition		54452		extracts			6301*
105305	32861*	52960*	105258*	96285	106861	6284*	6303*	farms	56474	75974	
planting	28832	59525	101160	15527*	24596*	24619*	24620*	56464*			44242*
policies and programs	34664	44583		24631*	24644*	24651*	24668*	fat and oil content			15571---15573
55165				24713*	24714*	24723*	24733*	fermentation			
pollen	1263	58308	69726	34277*	44139*	44154*	44180*	54417	64937*		
pollination			49058*	44200*	44210*	44242*	54402*	fertilizers	27959	29683	29692
processing			16012	54423*	64933*	85150*	85155*	60366*	91090*	91139*	100387*
products	30676	64984	74321	96293*	96327*	106836*		101943*	101959*		
96311				anatomy and physiology	934	1138		Angola			80368*
propagation			39008	2475	27959	38487	47960	Brazil	11787*	60386*	60387*
research methods				48354	68746	78444	89399	Congo			20611
statistical	69712	79447		100390	100401	9724*	9903*	El Salvador			101942*
rootstocks			101146	10094*	18951*	38059*	38062*	Kenya			91180
seeds	19794	39006	79457	47991*	58838*	89496*	99454*	Tanganyika		11638	50212
situation and outlook			65400	100114*	100387*			flavor and odor		15540	24720
soils	10285	11196	80192	associations	24718	54405	85128	6303*	24661*	24723*	24734*
statistics			65657	El Salvador		101596*	101597*	44177*	44240*	85166*	
storage			96855	Guatemala		101621*	106793*	freeze-drying			74613
subsidies			35739	Latin America		106788*		fungus diseases		37241*	37337*
trade				bacterial diseases		440		57933*			
Ceylon			34659	biochemistry	48601	79077*		control	18085	37304	47341
Scandinavia			108886*	breeding	79886	11131*	70220*	77634*	99454*		
Trinidad and Tobago			69718	Brazil		11135*		Costa Rica			88808*
varieties	69726	90303*		India		18181		Guatemala			37217*
virus diseases	18314	68288		Latin America		77189		India	18181	37180	99507
	77932			Venezuela		49539*		Kenya	.9133	57982	88711
weed control		70095	101551	care and handling equipment		106792		Malagasy Republic			18094*
SEE ALSO Copra				chemistry	15762	24669	24668*	Malawi			99494
Cocos nucifera SEE Coconuts				24722*	44138*	106813*		futures			15552
Cod liver oil	4149	31204	104157	color		15540		germination	47960	78689	89499
22548*	32006*			concentrates		64933*		89500	28039*		
Codehydrase SEE Codehydrogenases				conferences and congresses		15565		genetics			89257
Codehydrogenases	1350	1361		24619*	44158*	60024*		grading and standardization			106812
10189	19300	19311	19415	Colombia	106775*	106778*	106779*	6306*	44153*	44229*	74598*
19422	28369	32650	43316	106780*	106781*			106819*			
43317	59023	59064	78928	consumption	54432	85168	6301*	history	15519	39618	79884
100581	107247	38546*	38589*	64999*				96263	96302	106773*	
100669*				Austria		34258		hybrids	37807	39624	11131*
Codiaeum variegatum			68534	Denmark		34253		industry	15518	54407	60030
Codling moth SEE Carpocapsa pomonella				Europe		34239		64997	106798	6301*	
Codrinal			3246*	Germany	15555	34267	8204*	Africa			24607
Coelaenomedera elaeidis			94402*	35517*				Congo			15535
Coelumes n g			84105	Great Britain		15508	34228	India		54418	54433
Coelinidea hordeicola			84108	Italy		15551	34230	Jamaica			74664
Coelinidea oryzicola			84108	Netherlands			34270	Ruanda			15535
Coelocrobro ambiguus			33350	cooperatives		106800*		Uganda			24614
Coeloglossum SEE Habenaria				costs and returns	26938	56590		irrigation	934	48354	50322
Coeloides brunneri			5471	26915*	56464*			91180	11787*	79876*	
Coelomomyces	14710	32995	73697	credit		66423	108089*	judging			44229*
95154*				culture	60030	101607	39592*	Kenya			11152
Coelomomyces dodgei			100001	60022*	90762*	91209*	101600*	labor		45554*	108178*
Coelomomyces pentangulatus			100001	Angola	2081*	20346*	49562*	legislation			44184*
Coelomomyces psorophorae			105797	49563*	60043*	70208*	70210*	marketing	15566	15570	24655
	105802			90771*				24680	24681	64975	
Coelophora			73576	Brazil		39613*	79884*	mechanization			5694*
Coelosterna			23602	Central African Republic		70198*		moisture	85170	6306*	106836*
Coelotanypus cletic			95075	Congo		79876*		morphology		78230	47747*
Coelotes			73527	Costa Rica	29404	48354		nematodes	27377a	88951*	99692*
Coenagrionidae	53176	95614	106128	39630*				99669*			
Coenonympha ochracea	5496	33364		desert areas		37562		Nigeria			100401
Coenonympha pamphilus			73827	El Salvador		20329*		nutritional deficiencies	9880		44237
Coenonympha tullia			23909	Germany		20641*		38060*			
Coenonympha tullia inornata			105989	Ghana		79881		oxidation			24734*
Coenotephria			23892*	India		49547		packing		24720	36197
Coenurosis SEE Staggers				Ivory Coast		100138*		pest control	52909*	77634*	105279*
Coenurus cerebrialis			3132*	Kenya	2475	2485	50208	biological		42684*	52928*
Coenurus gaigeri			4367*	Malawi			49545	Guatemala			42680*
Coenzyme A			82817	Nicaragua		29416*		India			83474
Coenzyme Q SEE Ubiquinones				Puerto Rico		2605		Kenya	4872	32864	83402
Coenzymes	19306	62072	104174*	Uganda		39591		83414			
Coffea			79908*	cytology		47717		Peru	4870*	52928*	52966*
Coffea bengalensis			88356	decaffeinated		24597*		105280*			
Coffea lamtoensis			135*	defects	44237	96303*		pests	42650*	42679*	52945*
Coffea travancorensis			88356	discoloration		15509*		Africa			23600*
Coffea wightiana			88356	disease resistance	27126a	79883		Guatemala			105269*
								habits and behavior			105311

\*Text of this reference is not in English.



Coffee--Cont				Item				Colchicine--Cont				Item			
pests--cont				trade				effects on <i>Saprolegnia monoica</i>				58724*			
Hawaii				17155				17165				17166			
Italy				17173				17187				17202			
Kenya				32863				83476				105948			
Nigeria				94855				56995				56996			
Pacific area				17982				57011				76776			
Peru				63620*				87674				87692			
Southeast Asia				17982				46411*				67295*			
Uganda				32835				17191				24607			
physiological diseases				19149				57008				57047			
planting				20326				Brazil				17173			
70197*								57013				15527*			
policies and programs								Burma				8280			
Brazil				15537				Colombia				17149			
54453*				85095*				Europe				17201			
India				7692				57062				34239			
Mexico				64942*				Finland				36233			
pollination				74652				France				46362*			
prices				6301*				Germany				8204*			
67295*								India				8280			
Austria								Indonesia				17158			
Colombia				34258				Ivory Coast				56976			
Netherlands				15549				Norway				36259			
Peru				34270				Peru				46373*			
processed				65010*				Sweden				36197			
processing				54402*				Uganda				24614			
24661*				24722*				transportation				106795			
44183*				44138*				types				15539			
44199*				44200*				24661*				70197*			
44227*				64937*				varieties				20347			
Africa				74585				101943*				11131*			
Brazil				39613*				Angola				2080*			
Puerto Rico				44147*				Brazil				90774*			
processing equipment				106860				Congo				20611			
106771*				106821*				Ethiopia				8722			
production regions				24682				India				39619			
products				74580*				Puerto Rico				39624			
conferences and congresses				96272*				vitamins				27336			
propagation				39615				waste				41950*			
70198*				70220*				weed control				63043*			
properties				64999*				Kenya				39576			
pruning				39625*				Mexico				49508*			
quality				15566				Peru				59951*			
24734*				44183*				Puerto Rico				59943			
regulation and inspection				74597*				Uganda				49415			
44184*				46362*				yields				29692			
96294*				74580*				Brazil				79880*			
research programs				54433				Congo				26915*			
reviews				74585				El Salvador				20611			
seeds				54428*				Kenya				101942*			
Angola				47960				Uganda				2475			
drying				79886				Coffee bean weevil SEE <i>Araecerus fasci-</i>				39591			
storage				2081*				culatus				SEE <i>Stephanoderes</i>			
viability				89499				Coffee berry disease				hampei			
shading				49553				coffee				18085			
situation and outlook				39592*				Coffee leaf miner SEE <i>Leucoptera</i>				57982			
24700				24701				coffeolla				79883			
24701				54448				Coffee meal				31211*			
34249*				106796*				Cognac				96322*			
Africa				85142				Cogwheel medic				679*			
Asia				85142				Coilodera				63964*			
Brazil				85079*				Coital exanthema				62302			
85095*				96255*				62392				103773			
Canada				96278*				Cola				12959*			
Colombia				106766*				Cola acuminata				26858a*			
India				74290				Cola nitida				101626			
54446				24707*				Colastes braconius				101626			
Ivory Coast				6294				Colchicine				53453*			
Latin America				24634				effects on beets				37883			
Oceania				85127				effects on broadbeans				37695			
Peru				85142				effects on <i>Castanea sativa</i>				58292*			
Venezuela				44159*				effects on <i>Chlorophytum laxum</i>				27632			
Western States				85110*				effects on clover				27461a*			
soils				85117				effects on <i>Cunninghamella</i>				19134			
soluble				2605				38292				89602			
15554				91180				effects on <i>Cymbidium</i>				27567a			
15562				15520				effects on <i>Datura stramonium</i>				37753*			
74613				34273				effects on <i>Mentha arvensis</i>				99934*			
74613				24733*				effects on onions				27506a			
44208*				44177*				effects on <i>Palmae</i>				89115			
44208*				54420*				effects on peas				47791			
spraying and dusting				47341				effects on plants				37883			
53828				53827				78253				9515			
statistics				74612				634*				10189*			
106774*				106838				effects on <i>Prunus salicina</i>				47865			
storage				6303*				effects on rape				37883			
substitutes				32887*											
taxation				74580*											
taxonomy				35517*											
terminology				8722											
tests				24712											
				15539											

Item			Item			Item		
Cold--Cont			Cold--Cont			Cold--Cont		
effects on emmer	27536*	89139*	effects on Puccinia graminis tritici			plant protection--cont		
effects on equipment		53790*		37987		Colorado		77619
effects on Eucalyptus citriodora		61187	effects on Quercus ellipsoidalis		1133	costs		57861*
effects on fibers		75068	effects on rape		78611	equipment		99174
effects on field crops		77621*	effects on red clover		268	Florida	37060	57818
effects on forage plants		27038*	effects on Rhododendron		18801	France		57827
effects on forests	30434	81191		47099		Germany	30441*	47163*
21336*	81205*	81211*	effects on Rhododendron indicum			61081*	88587*	47164*
81320*				27070*		Hungary		99182
effects on fruit	44690	290*	effects on Rhododendron maximum		100106	Illinois		77495
8955*	9759*	10104*	effects on Rhyacionia buoliana		64220	Japan	18033*	27021a*
17945*	27036a*	28810*	effects on rice	18905	27037a*	48433*	68077*	88629*
57785*	57828*	58805*	27056a*	68660*	77616*	Louisiana		8900
69109*	88670*	99184*	effects on Robinia pseudoacacia		1195	Norway		102693*
99218*	99229*	100338*	89683			Republic of South Africa		68039
effects on Gladiolus		78771	effects on Rosa	313	68815*	Rio Grande Basin	37142	37166
effects on gooseberries		100398*	effects on seeds	1026	21292	99181		17999*
effects on grain	47092*	68091*	1189*	9770*	69104*	Rumania		8916
89280*	89690*		78552*	78905*	78926*	Southern States		37110*
effects on grapefruit	58839	99260	effects on semen	81986	103480	Switzerland		18024*
effects on grapes	290*	10136*	61737*	81983*	81998*	57804*	57861*	
24617*	34704*	48161*	effects on sheep	104628	93636*	USSR	8901*	17930*
78889*	79513*		effects on Shorea robusta		40684	27062a*		27059a*
effects on Hemerocallis		37939	effects on sorghum		78862	Washington		276
effects on herbicides		39508*	effects on Spodoptera littoralis			Wisconsin		37158
effects on Hexagenia limbata		53565		105980		Coldframes	11004*	29259*
effects on honey plants		83655	effects on Sternochetus lapathi		53052*	74239*		39406*
effects on Hyponomeuta padella			effects on strawberries		78546*	Coleolaelaps		73522
malinella		84118*	effects on structures		64584*	Coleophora		73844*
effects on insects		297*	effects on sugar beets		9727*	Coleophora alticolella		64223
effects on Iris		58644	effects on sugarcane	47984	99846*	Coleophora deauratella		5096*
effects on Lolium		239	effects on swine	4617	4555*	Coleophora laricella	94461*	94480*
effects on lychee		57862	13832*	22920*	52602*	Coleophora pseudorepentis		105987*
effects on maple sirup and sugar			63300*			Coleophora serratella		64206
		55940	effects on Syringa		28972*	Coleophoridae		73844*
effects on meat		45021	effects on tea		48433*	Coleoptera		42966*
effects on microorganisms		61737	effects on Timopheevi wheat		27536a*	adaptation		63914*
effects on muskmelons		69152*	89139*			Afghanistan		73582
effects on nematodes		88943	effects on trees	40676	50935	Africa	5146	5147*
effects on Neodiprion excitans		83545	68777	81086	88559	5123*	5130*	5140*
effects on nuts		99143	102777	37985*	40703*	5181*	5199*	14498*
effects on Nygmia phaeorrhoea		73830*	61210*	71581*	81197*	14519*	14521*	14562*
effects on oats	1261	37057	effects on Triticum persicum		27536*	23580*	23582*	42969*
effects on oranges	25356	38309	89139*			63910*	73609*	73610*
47973	58822	58839	effects on Triticum zhukovskiy	89139*		105629*	105641*	105653*
65447	65457	65541	effects on tung tree	57837	58789	105672*		105664*
effects on ornamental plants		264	effects on turnips		78611	Albania		83838*
265	37106	37123*	effects on Tyrophagus putrescentiae		53194	anatomy and physiology		42963
effects on Ostrinia hubilis		5528*			17999*	63973	94903	105634
95472*			effects on vegetables	44690	57849	105671	53260*	73563*
effects on Palmae		47170	effects on wheat	37057	57849	and plant disease		83365*
effects on peaches	48168	68055	78691	89683	99214	Apennines		32791
68096	69730	69737	8901*	9784*	1159*	as pests		94864*
1143*	89443*		38454*	69155*	77535*	Australia		42374*
effects on pears	244	17957*	78848*	89743*	100499*	Austria		5213
17958*			effects on wine		24641	Bulgaria		83358*
effects on pheasants		104334	effects on wood		103052*	Germany		42424*
effects on Phloeosinus armatus		23592*	in wine processing		74572*	Ghana		63935*
effects on Picea abies		48529*	plant protection	252	272	Great Britain		73606
effects on Picea glauca		61196	8967	27016a	37093	India		42768
effects on Picea omorika		48529*	47107	57815	68063	Iraq		4854
effects on Pinus		81204*	77516	77539	100171	Japan		83564*
effects on Pinus echinata		61197	12145*	26994a*	27006a*	Southern Rhodesia		83881
effects on Pinus resinosa		21335	37062*	47098*	57799*	Sweden		14262*
effects on Pinus sylvestris		19105*	Asia			USSR		5196*
effects on plant disease		297*	Bulgaria		27021a*	as predators		5127
	47564*		by heating	249	47105	Asia		94824*
effects on plants	293	1688	57790	57837	68065	Asia Minor		43023*
17991	19007	37106	88640	99260	99261	Australia		14549
58739	58866	58872	88620*	99149*		Austria		42976*
282*	9644*	10023*	by irrigation		256	Belgium		5136*
47098*	47705*	58646*	50256	57781	68086	biology	73606	14555*
58470*	88581*	88664*	77571	17962*	37172*	53289*	94969*	94971*
89713*	99892*		68029*	77550*		Brazil		43028*
effects on Platypsyllus castoris		33100	California		57835	breeding places		94972*
effects on Populus		47117*	Florida		269	Bulgaria		42998*
effects on Porphyridium cruentum		58732	Japan		27067a*	California		94870*
	58732	89546	Massachusetts		20894	Canada		94838*
effects on Porthetria dispar		73830*	Michigan		68094	Canary Islands		53263*
effects on potatoes	58725	9685*	Netherlands		27070a*	Cape Verde Islands		83861*
48470*			USSR		99139*	Central America		83829*
effects on poultry	4203*	32069*	by smoking	17955*	68035*	Chad		63916
32127*	32128*	32131*	California	71311*		chemoreception		94832
52265*	82682*	93250*	Canada	314	8923	China	94868	105617*
93457*	93533*		China		88625	collecting	14564*	63931*
effects on Pseudotsuga menziesii					99254*	collections		63965*
9035	81203	48529*						94963*
71234*								

\*Text of this reference is not in English.



Item				Item				Item			
Coleoptera--Cont				Coleoptera--Cont				Coleus aromaticus SEE Coleus			
collections--cont				Malaysia				amboinicus			
Germany	94920	94959	94825*	Marquesas Islands				Coleus blumei			
94887*	94906*			Mascarene Islands				48063*			
Hungary		94834	94809*	Mediterranean area				Coleus comosus			
Italy		94828*	94936*	metabolism				Coli enterotoxemia SEE Edema disease			
Congo		14539	14568	Mexico				Colias 5520			
23616	63943	14502*	14510*	microorganisms				95443 95444			
14522*	14567*	23581*	23624*	migration				33380*			
control		42768	52718	Morocco				Colias eurytheme			
73221	94402		52724	mortality				Colias philodice			
Costa Rica			94930*	mountain areas				Colias philodice eurytheme SEE			
Cyprus			94856*	43023* 94884*				Colias eurytheme			
cytology		53294	105654	Near East				Colibacillary enterotoxemia SEE			
Czechoslovakia			73578*	Nearctic Region				Edema disease			
Denmark	94871*	94888*	94926*	nematodes				Colibacillosis			
desert areas			53260*	Neotropical Region				cattle			
development			63973	5216* 14583*				82268 72275*			
diseases			105654	94837*				Canada			
dissemination	4899	63976	83524	Netherlands				immunization			
ecology		63957	42991*	New Britain				treatment			
Africa			53260*	New Guinea				diagnosis			
Austria			42976*	New Zealand				dogs			
Germany	5194*	42998*	53251*	nomenclature				fur-bearing animals			
63935*	94927*			14520* 83854*				immunization			
Japan			52988*	North America				poultry			
Poland		63906*	94901*	94807 94909				104459 31939*			
USSR		5204*	42978*	105649				82993 104848			
eggs	14506	53258*	105655*	nutrition				vaccines			
enzymes			83834	nymphs				Colic			
Estonia			42982*	Oklahoma				horses			
Ethiopia			83899*	Oriental Region				62619* 13383*			
Ethiopian Region		5126*	23584*	outbreaks				82459* 92918*			
94820*				Pacific area				Coligranuloma			
Europe			23598*	Pacific Northwest				Colladonus montanus			
evolution			53256	Palearctic Region				23216			
Far East			94886*	parasites				analysis and composition			
feeding habits			63912	14805 23608				25853 25871 25886			
Feni Islands			63972	5237* 53277*				75546 45014* 45019*			
Fernando Po			94951*	phylogeny				25877 25884 107661			
fertility			83365*	populations				7119* 45018* 45031*			
food and host plants		73606	83573	42795*				65938*			
105614 14262*	94926*			Portugal				reviews			
France	23609*	63945*	94981*	protective devices				10183 16200			
94983*				Puerto Rico				conferences and congresses			
geographic distribution	42980	63958		pupae				enzymes			
42976*				rearing and breeding				7124*			
Alps			105632*	5150 105669				in animal physiology			
Czechoslovakia			23388*	5125 5167				in Lithobius forficatus			
Indonesia			105685	73565* 94846*				16207* 25838*			
Italy			106088*	respiration				35020* 35026*			
Poland			14548*	Rumania				irradiation			
USSR		5196*	42971*	Ryukyu Islands				processing			
Western Hemisphere			94935	Sahara				properties			
Germany	42972*	42998*	43017*	Scandinavia				45011 75563			
94450*				Senegal				research programs			
East Germany		53261*	83879*	Seychelles				reviews			
Great Britain	5160	5161	5212	South America				structure			
42993 83815	83849			Southeast Asia				45014*			
Greece			43035	Spain				Collagenase			
habits and behavior		42963	63976	sterilization				Collar rot			
83845 83524	94813	53289*		surveys				apples			
94863*				Sweden				27232a 77803			
Hawaii			5128	94863*				47302 77750			
hosts			94210*	tagging				Hibiscus			
identification			5146	taxonomy				9079			
India	5127	94897	42967*	83850 33076				99440			
Indiana			94859	83866 43001				27162a			
Indonesia			94891*	94958 94966				101446*			
interception			23364*	5141* 5153*				in rabbit physiology			
Italy	94439*	94910*	94978*	5211* 14527*				104537			
Ivory Coast			23603*	33119* 42997*				56393			
Japan	53253	53275	63927	83888* 94845*				Czechoslovakia			
83851 105604*	94812	33117*	94973*	94934* 94938*				108493*			
Kenya			94912*	105621*				Germany			
Korea			94868	Texas				East Germany			
larvae	73565*	94810*	94820*	Tibet				16872* 16874*			
diseases			105638*	Tien Shan				Hungary			
Europe		5150	105689*	types				7920* 16873*			
habits and behavior			94991*	USSR				16881* 26743*			
Hong Kong			94913	94896* 94918*				26883* 26884*			
Japan			53296	Venezuela				56536* 56537*			
life history		5182	105685	weight and measurement				56550* 56552*			
locomotion			63949*	wood-destroying				56555* 76375*			
Madeira Islands		83818*	83825*	Yemen				76376* 87139*			
83844* 83862*	83882*			Coleosporium phellodendri				97944*			
Malagasy Republic		5140*		Colep				Bulgaria			
				Colesiota conjunctivae				86671 45797*			
				Coleus 9438 14218				45814 45826			
				69308 99899				costs and returns			
				Coleus amboinicus				Bulgaria			
								China			
								45944			
								Germany			
								East Germany			
								7957* 87175*			
								Hungary			
								7683* 16891*			
								Mongolia			
								66880			
								Poland			
								45902*			
								Rumania			
								76429*			
								USSR			
								16873 16878*			
								56539* 66802*			
								66956*			
								87192*			
								86981*			

	Item			Item			Item	
Collective farming--Cont			Collective farming--Cont			Collembola--Cont		
costs and returns--cont			management--cont			Germany		
Yugoslavia		76412	Rumania	56469	26445*	East Germany		33500*
Czechoslovakia	16598	30241	66836*	76306*	61615*	Great Britain		95626
76003	108469	24428*	USSR	56426	56457	Great Smoky Mountains		15003
26829*	66768*	76361*	66745	66833	66854	habits and behavior	5632*	64288*
reviews		76348	3286*	7839*	7900*	106152*	106153*	
Estonia		72896*	16784*	16850*	16868*	India		14985
Germany			26743*	26813*	35771*	Ivory Coast		23965*
East Germany	56367	66697	35847*	45769*	56398*	Louisiana	94294	95629
7832*	7853*	7905*	56412*	56447*	56473*	migration		84220*
16786*	16802*	16832*	66796*	66802*	66804*	molting		14975
45855*	62446*	62463*	76233*	76343*	86736*	New Mexico	5628	33507
76287*	79346*	86971*	86981*	87083*	87128*	North America		15002
87080*	100952*	107520*	Vietnam			numbers		5624*
history			Yugoslavia	56944	87044	poisoning	32625	93937*
66829*	76270*		mergers	66864*	76306*	Pakistan		23968
Hungary	66436	26859*	Mongolia			Paleartic Region		43384
33802*	56179*	62081*	Poland		45776*	Peru		84213*
66855*	84385*	92628*	policies and programs			populations	33499	33491*
96922*	98195*	106198*	Bulgaria		56466	Portugal		73888*
Israel	56393	67146	Germany			reproduction		33506*
76258	76347	76572	East Germany	16807*	45791*	Scotland		33499
56478*	97873*		Hungary		35761*	South America		53588*
Japan			USSR	56426	66856	Spain		106154*
labor			97828*			stratification		53558*
Bulgaria	56209	56197	productive capacity	56514	87083*	Surinam		95648*
45594*	56161*	86747*	Germany			surveys	95658	14377*
108180*			East Germany		65961*	Germany		
Czechoslovakia	66501	16619*	Hungary	56122	73934*	East Germany		105192*
108176*	108186*		USSR		76015	taxonomy	23949	53556
Germany			research methods			5612*	23952*	84214*
East Germany	56169	56196*	statistical	76087	16808*	water relations		43375
76089*	108181*		Rumania	56498	66821	Colletidae		14825
Hungary	56176	86758	26475*	61611*	62698*	Colletotrichum	19439	37674
26547*	35574*	76053*	86995*	91786*	92108*	99495		
Poland		56230	92127*	93526*	93711*	Colletotrichum agaves		58023*
Rumania	7701*	26534*	97626*	97709*	97923*	Colletotrichum atramentarium		37496
97677*			statistics		26852*	47270	37249*	
USSR	76087	76099	types		45473*	Colletotrichum capsici	9642	18594
26524*	26545*	26567*	USSR	35851	44003	58477	68195	
35548*	56217*	66435*	45872	54163	76038	Colletotrichum coccodes	SEE	
76375*	86699*	86740*	7862*	7904*	16768*	Colletotrichum phomoides		
86757*	108188*	108217*	26862*	45661*	45863*	Colletotrichum coffeanum	SEE	
USSR bloc		26527*	64801*	75998*	84314*	Glomerella cingulata		
legal aspects	56526*	76362*	87108*	108125*	108362*	Colletotrichum corchori		99382
legislation		35437*	USSR bloc			Colletotrichum dematium	427	47202
Lithuania		5672*	Vietnam		66750	Colletotrichum destructivum		58034
management			Yugoslavia	55477	56370		88847	
Bulgaria	56466	56514	56481	56646	56712	Colletotrichum falcatus	37224	47242
66774*			76314	76325	97879	Colletotrichum gloeosporioides	SEE	
China		66761	SEE ALSO	Intercollective farm		Glomerella cingulata		
Czechoslovakia	56446	56487	organizations			Colletotrichum gossypii		27241a*
66809	26792*	26835*	Colleges	SEE Land-grant colleges; and		Colletotrichum graminicolum		386
76249*			names of colleges			8980	9371	27224
finance		45461*	Collemataceae		28329	Colletotrichum lagenarium		47851
Bulgaria	66383	86615	Collembola			57949	99351	99377
China	45465	45476	Africa		53588*	47211*	47405*	
56060	56073	66385	Algeria		106117*	Colletotrichum lauri		99430*
Czechoslovakia	66393*	108062*	Alps		106133*	Colletotrichum lindemuthianum		99331
Germany			anatomy and physiology		5625	1955*		
East Germany	56454	45473*	5630*	14943*	64294*	Colletotrichum nobile		47330*
Hungary	26450*	66396*	as pests		63586	Colletotrichum phomoides	384	77738
Rumania	56071	56077	Australia		14985	79883	96893	88811*
USSR	56072	56092	Austria		84217*	Colletotrichum typhae		8876
	66387	66394	biology		23952*	Collinsia	10263	47852
	16564*	26449*	collecting		84216	Collinsia heterophylla		47852
	35455*	45803*	Congo		5612*	Colloids	SEE UNDER specific subjects	
	56070*	75971*	control		42367*	Collomia	SEE Gilia	
	97924*	95936*	cytology		14975	Collophora remanei		84213*
USSR bloc		76022*	Czechoslovakia		43377*	Colobognatha		73511*
Vietnam		66381	ecology		84205	Colocasis antiquorum	SEE Taro	
Germany			Germany			Colocleora		95437*
East Germany	56425	56428	East Germany	5624*	14998*	Colocynth	25360	27870
56500	7893*	7895*	Great Britain	5616	43379	88755		54998
16840*	17085*	35764*	mountain areas		14988*	Colocynth seed oil		45138
86719*	86975*	86983*	reviews		43342	Cololejeunea		77442*
87013*	87014*	87073*	Spain		14988*	Cololejeunea calcarea		17834*
87127*			Tennessee		23949	Colon punctillum		14569*
Hungary	56523	16788*	USSR		64271*	Colon schweigeri		14569*
76293*	76310*	76312*	eggs		53557	Colonic fistula		82438
87026*	95936*	106189*	Ellesmere Island		14387	Coloniidae	SEE Leptodiridae	
Latvia			embryos		14943*	Colonization	SEE Land, settlement and	
Lithuania			feeding habits		106155	colonization		
Mongolia			food and host plants		106155	Colonomyia	n g	14604
Poland	56378	56389	France	23944*	33491*	Color		
56511	26849*	56444*	Gabon		95674*	effects on Anarete		14601
		76344*			95623*			

\*Text of this reference is not in English.



## Item

Color--Cont  
 effects on *Apis mellifera* 94575  
 73398\* 105428\*  
 effects on *Drosophila melanogaster*  
 63596  
 effects on *Haematobia irritans* 83242  
 effects on *Hylemya coarctata* 63992\*  
 effects on insects 23325 53582\*  
 effects on Lepidoptera 64177  
 SEE ALSO Chromatography; Pigments;  
 and UNDER specific subjects  
 Color systems 88180\*  
 Colorado potato beetle SEE *Leptinotarsa*  
*decehlineata*  
 Colorado tick fever 42508  
 Colorado myiasis 23634  
 Colorimetry 64736 78766 74326\*  
 in alcoholic beverages research 61462  
 65000\* 85151\*  
 in animal research 51559 21888\*  
 in celery research 65438  
 in citrus research 55081  
 in cotton research 96751  
 in dog research 62470  
 in entomological research 73602  
 83169  
 in fats and oils research 35151  
 in feed research 75055 85521  
 in fertilizer research 40366\* 40380\*  
 40381\*  
 in fiber research 12376  
 in food analysis 76888\*  
 in food research 24349 55000  
 in grain research 34923  
 in ice cream research 74805\*  
 in insecticide research 33979  
 55016 73082 85722 84794\*  
 94030\*  
 in milk analysis 6369\* 15619\*  
 74781\* 74783\*  
 in plant research 68782\*  
 in potato research 85733\*  
 in poultry research 62794  
 in redpepper research 6311  
 in soil research 11257 60156  
 11249\* 20467\* 80029\*  
 in sugar research 86493 26276\*  
 65000\* 97445\*  
 in vitamin research 24356  
 Coloring SEE Dyes; Pigments; Stain  
 technology; and UNDER specific  
 subjects  
 Colostrum  
 analysis and composition 41318  
 buffaloes 22260  
 cattle 103857 31247\* 51862\*  
 analysis and composition 22166  
 22260 103652 54502\* 103841\*  
 fat 54502\*  
 feed 12867 103538 3566\*  
 62727\* 92465\* 103575\* 103793\*  
 reviews 46471  
 swine 32472 83055 104803  
 32549\* 52654\* 93899\*  
 Colpocephalidae 53598\*  
 Colpocephalum 23943 23959 95657  
 Colpocephalum scopinum 53559  
 Colpocephalum smithi 53559  
 Colpodes 105603\* 105604\*  
 Colpodium 17645 26854a\*  
 Colpoda quercina 27212a\*  
 Colpomenia 88460  
 Colpopyga 33334\*  
 Coltsfoot SEE *Tussilago*  
 Colubrina 88330  
 Columbian timber beetle SEE  
*Corthylus columbianus*  
 Colura digitalis 99832\*  
 Colura geoides 27547a\*  
 Colutea 90  
 Colydiidae 23616 5154\*  
 Comandra pallida SEE *Comandra*  
*umbellata*  
 Comandra umbellata 37013  
 Comandra umbellata seed oil 7302  
 Comastoma SEE *Gentiana*  
 Comatricha 88521

Comb and wattles 4243 13527  
 93283 104226 104229 4040\*  
 72557\*  
 Combelen 3687\* 13396\* 62630\*  
 Combines 66155\*  
 Belgium 64461\*  
 cooperatives 84514\*  
 costs and returns 84513 95887\*  
 Denmark 24131\* 53860\* 95878\*  
 design and specifications 33701\*--33703\* 64454\*  
 equipment 24098\* 84481\* 95847\*  
 106336\*  
 France 43586\*  
 Germany 24103\* 25644\* 84480\*  
 84490\* 95864\*  
 East Germany 15144\*  
 Great Britain 95869\*  
 handbooks 74068\*  
 hazards and safeguards 74069\*  
 Hungary 24102\* 95874\*  
 Italy 5762\* 15168\* 84462\*  
 84500\*  
 Japan 33704\* 33710\* 53749\*  
 64456\* 64473\*  
 labor 66485\* 86702\*  
 Lithuania 5806\*  
 maintenance and repair 5787\*  
 33699\* 74073\* 84466\* 95857\*  
 marketing 84595\*  
 Netherlands 33715\* 84465\*  
 Norway 86038\*  
 operation 5768\* 33757\* 74082\*  
 84471\* 95854\* 106315\*  
 Denmark 95858\*  
 Germany 95850\* 95851\*  
 Hungary 15179\* 95884\*  
 Japan 33699\* 33709\* 33727\*  
 64452\* 64457\* 84483\*  
 USSR 5773\* 15140\* 24104\*  
 74087\* 106295\*  
 parts 15261\* 64455\* 95846\*  
 purchasing 86739 106331 106296\*  
 Rumania 95863\*  
 second-hand 84505  
 situation and outlook 84469\* 106305\*  
 statistics 74097\*  
 study and teaching 24107\*  
 Sweden 24107\*  
 tests 106320 33736\* 53740\*  
 64450\* 64486\* 74089\*  
 types 5810\* 74101\*  
 Denmark 95879 95858\*  
 Germany 84472\* 84491\* 95849\*  
 Japan 33714\* 84484\*  
 USSR 84474\*  
 84512\* 16905\* 24115\* 24124\*  
 84512\* 106322\*  
 Combretaceae 88310  
 Combretodendron quadrialatum 21540  
 Combretum 88297  
 Combs in apiculture SEE Honeycombs  
 Comfrey 65207 69561 48803\*  
 Commelina communis 17693  
 Commelina forskalaiei 18592\* 19045\*  
 19364\*  
 Commelina subulata 27480a  
 Commelinaceae 27480a 79898  
 88369 99937  
 Commiphora mukul 81531 100575  
 Commodities SEE Agricultural products;  
 Raw materials; and names of commod-  
 ities  
 Common cattle grub SEE *Hypoderma*  
*lineatum*  
 Common malaria mosquito SEE  
*Anopheles quadrimaculatus*  
 Common waterhyacinth SEE *Eichhornia*  
*crassipes*  
 Communes  
 China 56358 56393 66761  
 76380 87090 97945\*  
 Communications 46229 56872  
 67155 67198 67265 74393  
 87430 87447 87452 87481  
 87494 94056 98125 98160  
 Canada 87404  
 India 17047

## Item

Communications--Cont  
 Latin America 87532  
 Morocco 55843\*  
 Norway 27110\*  
 Pakistan 98178  
 Sweden 87584\*  
 Thailand 87406  
 United Arab Republic 67074  
 Communism and agriculture 56270  
 67009  
 Bulgaria 66582  
 China 45826 46227 56023  
 Germany  
 East Germany 45414\* 45739\*  
 history 26656\*  
 Italy 16727\*  
 USSR 45826 108282 7807\*  
 16704\* 16761\* 16867\* 26587\*  
 45679\* 45703\* 66640\* 108240\*  
 SEE ALSO Socialism and agriculture  
 Communities 8054 17132 46099  
 56952 87374  
 Canada 108665  
 cooperative 108663  
 Ecuador 87401\*  
 El Salvador 46091  
 France 108656\*  
 Germany 46095  
 Great Britain 56055  
 group activities 8191\*  
 Indonesia 87376  
 Israel 76577 98111\*  
 Java 56757  
 Mexico 98099 87365\*  
 Michigan 76582  
 Middle Western States 35934  
 Missouri 98107  
 mountain areas 46098\* 46101\*  
 Netherlands 8035\*  
 Ohio 56741\*  
 Peru 98114\*  
 planning 8065 46083 46085  
 46092 46107 67032 67048  
 87378  
 Afghanistan 56755  
 Bolivia 17026\*  
 Canada 17023  
 developing areas 67101  
 Georgia 46105  
 India 56753  
 Israel 76109  
 Italy 46097  
 Nevada 56754  
 Pennsylvania 67092  
 Poland 46106 67099  
 Spain 56615\*  
 Tennessee 8067  
 United Arab Republic 46082  
 services 27113 40256 45468  
 46088 46106 87321  
 Venezuela 108706\*  
 SEE ALSO Villages; and SUBHEAD  
 community UNDER Forests; Pastures  
 and meadows  
 Comolia 88345  
 Compasses 50674\* 50675\* 50683\*  
 Comperiella bifasciata 53451\*  
 Competition 44646 56169 56192  
 65486 65877 76234 84849  
 84906 97118 97818 107289  
 96126\*  
 Comphotriura n g 33502\*  
 Complement deviation 62180\* 82258\*  
 reviews 12677\* 92881\*  
 Complement fixation 3548 3966  
 3967 4224 4229 4589  
 12717 13059 13060 13152  
 18376 22247 22803 41266  
 41613 41657 41700 51922  
 52101 61776 61818 72123  
 72211 82167 93684 99571  
 103692 103698 103715 103720  
 103758 103782 103787 103872  
 104446 3207\* 30845\* 30927\*  
 31238\* 31252\* 31432\* 52134\*  
 52266\* 52355\* 52582\* 52583\*  
 52583\* 62423\* 72490\* 103680\*  
 103755\* 103756\* 104145\* 104711\*  
 reviews 13038

\*Text of this reference is not in English.

Item				Item				Item			
Compleximetry	10180	74794	54506*	Composts--Cont				Confused flour beetle SEE Tribolium			
91903*	100104*			Tanganyika	50212			confusum			
Complexons	28104*	54504*	69247*	USSR	2395*	11445*	11449*	Conglutination	32154*	32155*	
101761*				11542*	11549*	20592*	30078*	Conglutinin		51850*	
Compositae				64271*	80289*	80307*	80326*	Congopyrgota		14691*	
Afghanistan			46852*	91123*	101905*			gamma-Coniceine SEE 1,2,3,4-			
anatomy and physiology			18634	United Arab Republic				Tetrahydro-6-propyl pyridine			
68435	47770*			Compound 009 SEE Folithion				Coniferae		77299*	
biochemistry			69315	Compound 4072 SEE SD-7859				anatomy and physiology		2768	
Brazil			77314*	Compressors	105029			18574	37747	48181	48200
cytology	18520	37750	37772	Compsopogon coeruleus	37737			68576	89618	91609	99976
47816	68498	68539	78204	Compsopogonales	36957			100014	38301*	68860*	
27458a*	58204*	99819*		Comptonia peregrina	325			biochemistry		100664	
French West Indies			17794*	Compulsory deliveries SEE UNDER				Brazil		88285*	
fungus diseases			57734*	Markets and marketing				breeding		21256*	40640*
Great Britain			26809a	Comstock mealybug SEE Pseudococcus				collecting and preserving		17665	
Japan	27458*	58204*	98927*	comstocki				77223			
Mexico	8705	18520	37750	Comstockiella	5382			cones	50856	50909	81092
morphology			37657	Comptonanthus n g	77372			2835*			
nomenclature			145	Computers SEE Data processing				costs and returns			71050*
plant parasites			49499*	equipment				culture			
Republic of South Africa			77372	Conala	14743			Argentina		81144*	
Southeastern States	8750		37750	Conalbumin	26158			France		61161*	
taxonomy	145	57630	69315	Conapion	73609*			Germany	12011*	21206*	50695*
98914*				Concave gum				61044*			
Venezuela			67803*	oranges	466	27337a		mountain areas		61161*	
Wisconsin	88264	88329	88376	Concentric ring blotch				cytology		102676	
Composition board SEE Fiberboard;				citrus	32851			diseases		27012a	
Particle board				Conchocelis	68550			dwarf		17665	88348
Composts	18839	40000	50207	Concora medium test	41011*			ecology	47670*	58152*	77299*
60332	60490	60806	70591	Concrete	15007	15276	24277	102524*			
11273*	11868*	20699*	29877*	42745	45394	53889	53893	71176*			
49445*	49975*	49977*	59897*	74271	91710	101281	24213*	fertilizers		12042	61093
60331*	80090*	91066*		43402*	51078*	64608*	74261*	France			
analysis and composition			60802	74264*	74266*	85992*		fungus diseases		356	57898
60809	60825	30081*	60804*	Condeellum n g			95677*	57996	77811	9172*	37391*
60807*	60817*	91412*	91420*	Condiments			34840	Argentina			57931*
application		2416*	80328*	bibliographies			34282	Colorado			99501
Belgium			80784*	SEE ALSO Aromatic plants; Spices;				control	27243a	27135a*	27255a*
care and handling	77843		70892*	and names of condiments and				Sweden			88742*
chemistry	2677	60805	60811	condiment plants				genetics		102676	102692
50785*				Conductometry	7452	86449*	86471*	germination		12130*	30358*
effects on plant disease			9152*	101745*				growth	12042	30284*	2751*
France			50137*	Condylostylus			84008*	21165*	30284*	50722*	102503*
Germany			40058*	Conessine			100672	harvesting	51042	61296	81073
East Germany			29665*	Confectionery		54660	61643	Honduras			88353*
Great Britain			2674	ingredients	7260	7439*	26007*	Hungary			88263*
hydrogen-ion concentration			58484	34115*				improvement cutting			30284*
Israel			11874	Conferences and congresses			17102	injuries			21226*
Italy			21229*	26717	76651			introduction			12038*
Japan			29817*	Alabama			26679	measurement		21160	2751*
Lithuania			40388*	Australia			67208	60984*	61000*	71119*	
microorganisms		2677	60803	bibliographies			97783	Mexico		71578*	102503*
60813	67947	21035*	21039*	Canada		16724	108326	morphology		68528*	68532*
30081*	50436*	70891*	70896*	Chile	7798*	66543*	76195*	needles	21231	21651	50904
80779*	80785*			76196*				61589	102643	38301*	41946*
Netherlands		60801*	70880*	Colombia			66574*	58664*	58665*	69234*	102506*
Norway			29788*	Colorado			63366	Norway			80919*
pests		5220	33214	Czechoslovakia		32926	32938	nutritional deficiencies			40606
Poland	11546*	50012*	50073*	Europe	7620*	66572*	76118*	pest control	32898*	73304*	94467*
50184*				Germany	35621*	45680*	56244*	pests		73318	73561*
preparation	2678	2684	20747	66626*				Austria			73707*
21038	40383	60813---	60815	East Germany			7759*	France			105391*
70883	70884	102357	102366	97766*				Germany			33121*
Australia			102365	Great Plains			16689	Louisiana			23854
Bulgaria			102367*	Hungary			37913	Pakistan			105350
Colombia			21037*	Illinois			56231	Sweden			23413*
Czechoslovakia			2686*	Indiana			42346	Yugoslavia			73317*
Germany	60812	40384*	70887*	international	8145	26648	26691	plant parasites		102780	12063*
Great Britain		80782	102356	26721	76162	45683*		planting			
Hungary			80106*	Iowa			97750	Italy			71269*
India		2688	30082	Italy			45705*	Lake States			21307
Israel		11874	21040	Latin America			66633	Netherlands			61171*
Jamaica			70894	Luxembourg			7750*	Northern Ireland			21315
Japan			80778*	Mexico			76116*	Norway			40642*
Netherlands		40387*	70895*	Michigan			86819	USSR			102689*
Norway			60819*	Missouri			108296	Yugoslavia			2825*
Poland			80775*	New Jersey			23503	propagation			91611*
Portugal			24284*	New York			23037	pruning	12065	50784	21240*
Switzerland			50437*	New Zealand		35650	108321	pulpwood	12399	21609	61503
Taiwan			40386	Poland			17097*	12392*	21566*	54899*	81513
USSR	2416*	11872*	21041*	Portugal		35660*	35661*	release			40599
80328*	80345*			Portugal		26589	86790	seedlings	12042	50791	50794
Vermont			91415	Southern States			97775*	61093	12130*	21226*	21240
preparation equipment			2682	Spain			46218*	30314*	30350*	30358*	40623
70883	70884	70894	50434*	Sweden			42556	50763*	68528*	71266*	88742
storage			24284*	Switzerland			76156	102611*			
Taiwan			102073*	USSR				seeds	2814	61119	102657
								12130*	30350*	102715*	

\*Text of this reference is not in English.



Item			Item			Item		
Coniferae--Cont			Consumer research	6062	24398	Containers--Cont		
seeds--cont			24445	25890	25893	plastic--cont		
Canada	21256*		34032	35458	54135	16282*	24481*	24482*
Finland	102658*		64775	64780	74371	25505*	34130*	34399*
Norway	81087*		106593			54236*	54246*	54249*
yields	102658*		Austria		43970*	54258*	54268*	55111*
selection cutting	102534*		Germany		26291*	64843*	64844*	64850*
soils	30344	43379	East Germany		6771*	65553*	65560*	74466*
50733*	102534*		New Jersey		75226	84939*	84944*	84945*
South America		50580	Consumers			84949*	85416*	85422*
Sweden		102749*	associations		84828*	96186*	96533*	96534*
thinning		81073	attitudes	43958	54136	97241*	106673*	106675*
turpentine		30678*	74371	86544	74370	106991*		
USSR	21248*	61146*	conferences and congresses		43972*	regulation and inspection		84944*
102524*			Germany		43973*	rubber		64846
varieties	2830*	40642*	preferences	74375	74379	sanitation	6147	64847
waste utilization		51432*	SEE ALSO SUBHEAD consumer		96140*	64844*		75616
weed control	50791	50794	preferences UNDER names of			tests	24493	34773
chemical		21225*	commodities			tin	6833*	84951*
Netherlands		39505*	Consumption		57029	wood	40976	61424
Norway		30327*	Canada		24338	54266*	71469*	102952*
Utah		50809	Czechoslovakia		64777	SEE ALSO kinds of containers; and		
Western States		21160	European Economic Community			UNDER specific subjects		
wood	2926	2927	106762	15796*	44080*	Contarinia	53026	94478
21529	30603	30721	France		6055*	Contarinia medicaginis	73227*	73228*
41118	51025	51037	India	6058	43955	73229*	83356*	
51190	51191	51337	74368*			Contarinia nasturtii	42622	100342*
71431	71530	71585	Japan		35454*	Contarinia oregonensis	4911	14272
81427	81577	2939*	Pakistan		15401	23615	53031	
40910*	40949*	41172*	Poland		7636*	Contarinia pulchripes		14657
50695*	51021*	71578*	Southern States		34031	Contarinia pyrivora		73260*
yields			Spain		7697*	Contarinia sorghicola	63577	94291
SEE ALSO Evergreens; Trees; and			Thailand		16747	Contarinia torquens		52882*
names of trees			SEE ALSO UNDER specific subjects			Contarinia washingtonensis		95035
Coniochaeta		36976	Contact insecticides	4713	14111	Contergan SEE Thalidomide		
Coniocompsa		106163*	83275*			Contests	86960	108746
Coniophora cerebella	81372	81384	cockroach control	4824	63688	27079*		
10249*	30734*	61361*	93943			SEE ALSO UNDER specific subjects		
Coniopterygidae	106140	33501*	effects on insect populations		94342*	Contigaspis		5381*
Coniopteryx	106140	33501*	94425*			Contortylenchus		5187
Coniopteryx holzeli		95599*	tick control		63488*	Contortylenchus elongatus		5187
Coniortodes		14746*	Contagious agalactia	32230*	32256*	Contouring		
Coniothyrium	77807	88514	32284*	82797*		Australia	11828	102267
Coniothyrium concentricum		88846	Contagious ecthyma SEE Sore mouth			California		102283
Conium maculatum		69194	Contagious pustular dermatitis SEE Sore			Canada		20959
Conjunctivitis	13011*	104338*	mouth			Florida		50363*
Connaraceae		46924	Containerization	24490	25393	New Zealand		1759
Connarus monocarpus		58955	34074	44024	44650	Republic of South Africa		50361
Conocephalus dorsalis		5571	44670	44708	44660	20973	21002---	21004
Conoderus vespertinus	5193	14573	Containers		6146*	USSR		29989*
Conophthorus coniperda	33095	83549	aluminum		85416*	Contracaecum granulorum		42009*
Conophthorus radiatae		53284	burlap		65558	Contract farming SEE Farms and farm-		
Conophyma	73881*	84185*	cement		85172*	ing, contract		
Conophytum	26839	46825	coatings		85417*	Contract labor SEE Labor, contract		
Conopidae	14599	53358	consumer preferences		55256	Contracts SEE UNDER Equipment		
83926*			85809			Controls and switches	15077	23999
Conorhinus megistus SEE Mestor megistus			fiber and fiberboard	54261	84938	43424	15318*	43495*
Conosthetus angustus		95263*	55107*			1368*	101498*	
Conotrachelus nenuphar	23056	63636	film		6211	Convallaria majalis	9283	18698
63930	83842		44716	54621	107843	1368*	101498*	
Conservation SEE Conservation farming;			45073*	54260*		Convenience foods SEE Food, processed;		
Soil conservation; and UNDER Forests;			conferences and congresses		84955	and kinds of food		
Natural resources			glass	6470	15715	Conveyors	53650	55312
Conservationists		88013*	74897	84957	24946*	91387		75797
Conservation farming	16837	94322	34402*	35130*	74485*	Bulgaria		33924*
Africa		16967	96185*	96187*	96202*	Finland		24051*
Australia		11762	grading and standardizaion		54620	France		53618*
Great Plains	16982	16997	74459	6465*	24947*	Germany	15082*	24011*
Iowa		7826	85421*		44712*	25714*	61344*	84353*
Tennessee	26902	45882	insectproofing	4885	14231	95777*	95945*	
Constipation		72454*	83515			East Germany		15076*
Construction SEE UNDER Buildings and			judging		44339*	Illinois		53680
kinds of buildings			metal	44064	54253	Netherlands		53660*
Construction materials SEE Building			54257	54271	55509	Sweden		24012*
materials			24491*	74904*	96533*	Switzerland		15088*
Consumer education	6057	34030	moldproofing	65575	65598	types	2003	5657
34122	35051	43956	paper and paperboard	6152	6156	55824	55922	24005*
43965	43968	44625	6459	6468	15715	64374*		43427*
54237	55410	64778	54263	65558	34402*	USSR	24098*	35352*
74376	84834	84836	106989*	107272*		Convulsions		63074
Germany		108945*	plastic	6140	6143	Convolvulaceae		18566
Indiana		84825	6150	6151	6462	36822	88411	88412
Israel		97590	6835	7178	7180	Convulvulus		20212
Louisiana		34720	16003	34129	34756	Convulvulus arvensis		39579
Missouri		96118	54247	54262	54622	Convulvulus sepium		101503
Ohio		96842	74467	84937	85809	95162*		48228*
			96530	6836*	15514*	Conyza canadensis		49522

\*Text of this reference is not in English.

			Item				Item				Item
Cookery	17229	36313	46438	Cooperative organizations--Cont				Cooperative organizations--Cont			
76843	96196	108925		consumer--cont				electricity	5960	5961	5964
large quantity		16209	34348	84845	85506	87578	98234	106525			43854*
46435	57112	87783	27357*	64855*				Brazil			74272
meal planning		17205	36346	Canada			76708	directories	64687		96064
36349	57085	57097	57113	Finland		27168	87577	Far East			84514*
57118	57120---	57122	64814	Italy			87596*	equipment	64328		53627
76863	87744	87791	98346	Netherlands			96137*	Canada			84379*
recipes		36308	46461	New York			17110	France	43500*	73942*	106205*
57074	57096	67402	87749	Pennsylvania			27150	Germany	24019*	43445*	84296
87760	87766	87784	98343	Poland		67248	87581*	Great Britain	73938	33603*	84320*
98346	98372			Taiwan			108791*	Japan	33602*	53655*	43698
terminology			17222	cotton	25150	44514	65254	Netherlands			33580*
SEE ALSO UNDER names of commod-				85569				Pakistan			108314*
ities				cotton ginning		34533	54775	Poland			
Cooperation			17065	75077				Europe			
bibliographies			56884	cranberries		15969	44658	European Economic Community			
conferences and congresses				credit	7663	26498	45497	8151*	27155*	76715*	
	46262	67237*	66523*	45502	46315	97613	108107	farming	35746	56393	16823*
Germany				7665*	108088*			87075*			
international		64332	77344	credit agencies		76004*	86622*	France	35758*	87053*	97885*
77351	90203	99237	100752	86642*	108094*			Germany			86957*
103335	109218	3040*	7109*	Austria			108114*	Great Britain	26872		76367
21835*	27595*	35726*	59475*	Belgium			35463*	Guatemala			45841*
60163*	92262*	99173*		Brazil			56094*	history			16870*
Mexico			88579*	California			35462	India	26535		56414
Netherlands			97671*	Denmark	45490*		66421*	Italy	26871		26745*
New Zealand			105107	Georgia			26495	Japan	26787*	35744*	35774*
Scandinavia			91658*	Germany	7670*	16574*	66409*	35786*	35817*	87020*	87102*
Sweden			98220*	86637*				108383*			
Switzerland			45558*	India		16593	35479	Morocco			76321*
USSR			75947*	Indiana			26481	Netherlands			87008*
USSR bloc	67650	17459*	26854*	Japan	86641*	86646*	97608*	Pakistan	56516		76285
30102*	30109*	36545*	36548*	Kansas			76011	Papua and New Guinea			56051
45437*	79705*	98662*	109217*	Mauritius			35486	Poland	36135*	36138*	45773*
109222*	109223*			Netherlands		108091*	108102*	Scandinavia			87040*
Cooperative organizations			8176	North Carolina			26495	Spain			56642
8183	27143	46273	46298	Poland		66414	86639*	Thailand			48663*
46322	46334	46342	56925	South Carolina			26495	feed	3924	44393	44423
56933---	56935	66664	76709	Sweden		76005*	86650*	44877			
98227	98237	67241*	76706*	Turkey	45496*	45516*	56086*	feed milling		75382	85542
98238*				United Arab Republic			35488	fertilizers			30055
accounting	45535	46304	46315	West Virginia			45483	field crops			84879
76710	87146*	108779*	108789*	Czechoslovakia		36167	36168	Fiji			27153
advisory services			6055*	dairy industry		6410	6417	finance	36157	46315	46317
Alabama			67231	15667	34359	44307	44308	56930	108063*		
apples	6801	55030	65469	44315	44318	54586	65103	Great Britain			8173
65477	85753	85760	107262	65111	65113	74831	85249	Japan	87601*	108793*	
Ireland			15970	85376	96471	6351*	24892*	Ohio			56932
Japan		28858*	34732*	65104*				Finland			76668*
Massachusetts			65499	Argentina		15674*	34370*	Florida	27146		76691
Oregon			25383	Austria		107011*	74833*	flowers			75924*
areca nuts			35402	Denmark	56420	74685*	74833*	forest products	21508		84879
Argentina			87566*	106944*	108407*			2712*			
Australia		8174	17122	Finland	15669*	85374*	96473*	forestry	2720*	11929*	46340*
Austria	46340*	76696*	108796*	96484*				France	7687*	56687*	56945*
avocados		25422	55029	France		24889*	85361*	56949*	98240*	108781*	
bananas			56981	Germany			85233*	fruit	55031	65468	65502
banking		66414	86639*	Illinois			54593	65506	65516	85747	65484*
beef cattle		75004	107636	India			85365	76268*	107286*		
bibliographies		8182	108786	Italy	24887*	26515*	26745*	Austria			107280*
Brazil	8172	27158*	36153*	Japan	24890*	31508*	31509*	California		44636	65480
46318*				Michigan			74830	conferences and congresses			65500
Burma			8168	Minnesota		54587	65108	Florida			65482
butter manufacture			74965	Netherlands		16829*	96458*	France	15974*	34739*	65495*
Canada	8161	8169	17112	96461*	96472*			107277*			
27162	36152	36170	46313	New York			65105	Germany	55068*	85770*	96838*
46329	87594	98241		New Zealand		6407	6414	Great Britain			75237
cattle	35039	62429*	62458*	15672	15673	44319	96481	Italy	25395	25392*	44643*
Ceylon			108783	Norway			3753*	75229*	106763*		
cheese manufacture		96646	15749*	Poland	67302	34358*	34375*	Japan	25425*	25429*	35781*
China			46338*	35926*	54591*	54610*	54685*	35827*	45862*		
chinchillas		35035	46276	74827*	74828*	74835*	74845*	Netherlands			85766*
citrus				106946*	106948*			Poland			65501
California			34746	Sweden		86869*	97794*	Washington			75241
Florida	65478	85757	85767	Wisconsin			65102	Western States			6783
Republic of South Africa			44641	dates			44635	fur-bearing animals			92796*
Spain			65507*	Denmark			87572*	Germany	8175*	17124*	27140*
coffee			106800*	developing areas			27157*	27164*	43626*	67233*	67258*
communities			108663	directories	8160	17116	46283	98236*	108794*		
conferences and congresses			56948	76714	87595			Ghana			46339
76685	98231			ducks		35288	45226	grain	34911	34918	44834
Australia			27148	eggs		35241	45200	44867	44868	44870	44877
Canada			27149	66115	35319*	107853*	45249	44932	44937	55264---	55266
Germany			56928*	Austria			107823*	55313	65725	67238	67239
consumer	8171	36157	46293	Iowa			66115	85978	96961		
46311	46314	46326	56929	Italy			66116*	California			75004
67247	67251	67254	76688	Sweden			16363*	Canada			34950

\*Text of this reference is not in English.



Item				Item				Item			
Cooperative organizations--Cont				Cooperative organizations--Cont				Cooperative organizations--Cont			
grain--cont				marketing--cont				rice			
Ohio			65734	Japan			24499	25777*	33609*	44887*	
grain elevators			6973	Netherlands			54164			8178	
grapejuice			15968	Northern Ireland			84883		66157	86422	
grapes	15968	24728	64950*	Norway			74417*			29400*	
64996*	65653*			Pennsylvania			27150		27162	43699	66494
Great Britain		8166	17106	Senegal			44000*		67247	36062*	
17111	17125	108780		South Dakota			54162				13750*
greenhouses			97857*	Sweden		74403*	74504*				21775*
history		36169*	77057*	Taiwan			44031*			8153	8179
Argentina			36148*	Vietnam			74422		17108	27141	27142
Great Britain			108790	Massachusetts			27161		27159	46261	46289
Ireland			36150	Mauritius		36147	36164		67244	76684	76690
Middle Western States			17109	meat	35058	16221*	16248*		108782	108837	76700*
Netherlands			85766*		65908*	97114*			108785*	108787*	98232*
Turkey			56086*	membership	46326	46319	46324		Germany		76692*
Hong Kong			36156	66326	67256	76686			India		46325
horse breeding			13356*	mergers	34918	45226	46267		Iran		76711
India	17119	17120	17121	46275	46286	46295	46303		Japan		87589*
26546	27151	35422	46320	46307	46321	46327	46331		slaughterhouses		65908*
56931	56946	67255*	76707*	67235	67245	87576	67232*		Southern States		67246
Indiana			76694	106946*	108784*				Spain	46456*	67236*
Iowa			17114	Japan	36159*	87586*	87599*		statistics	8162	8170
Ireland	8155	27166	67259	87600*					87574	85374*	67243
76695				Kansas			76699		India		76704
irrigation			60683*	Michigan			17118		Japan		17115*
Israel	8152	36172*	108800*	milk			24894		North Dakota		17123
Italy	8181*	17126*	27154*	milk			26772*		Portugal		97198*
76689*	76705*	86810*	87570*	naval stores			71528		study and teaching	8159	46269
Ivory Coast			36154*	Near East			17107		46277	46280	46282
Japan	8158	17117*	27156*	Netherlands	56927*	56943*	76682*		46300	46328	46296
35642*	36163*	36165*	46337*	76693*	76701*	96137*			108788*		67203
56924*	87597*	108792*		Nicaragua	36160*	87567*	87568*		North Carolina		46299
Kenya			46297	Norway	98228	7600*	46312*		Switzerland	27152*	46316*
Korea	36161	76702	46301*	Ohio	75316*				Taiwan		46344*
labor		76657	86766*	olives			87593		sugar manufacture	26269*	45532*
Latin America			67253*	oranges	44666*	96787*	98226*		Sweden	8165	27169*
Lebanon			56936*	ornamental plants		26378	75924*		87584*	98224*	
legal aspects			15667	peaches			65471		sweetpotatoes		75247
44315	46268	46290	46295	Pacific area		8154	87571		swine	23008	35055
46308				Pakistan			76712		45042	25911*	45038
European Economic Community				peanuts			97187*		Switzerland	27170*	56938*
			27165*	Pennsylvania			56939		Taiwan		46272*
legislation			87591*	Poland			67234		Tanganyika		8167
lemons			108797*	policies and programs			8163		taxation	7696	45535
lima beans			15978		8180	8219	17113		45532*	86691*	66460
livestock	65860	86154	97114*		27163	36145	36158		telephones		
Austria			107620*		44002	45716	46264		directories		74281
Canada			107612		46302	46330	46335		television		74282
France			16221*		67242	76713	98231		Tennessee		46284
Germany			86166*		87582*				tobacco		75883
Great Britain	25897		35031	British Guiana			36149		transportation		44014
Latin America			67253*	developing areas			8164		44015	44025	43993
locker plants	6221	44307		Germany			67252*		84846	96125	64785
64905				Italy		36146*	98235*		tung oil		66042
Malawi			36171	Japan			87580*		Turkey	76683*	76703*
management	7696	8150	8159	Minnesota			87592		vegetables	55031	65468
17127	36151	36155	46265	Netherlands			56941*		65503---65506	65516	65484*
46279	46288	46305	46309	Nicaragua			87569*		Austria		107280*
54182	56947	67249	67250	Taiwan			108797*		California		65480
67257	67261	74385	76698	Vietnam			67260		conferences and congresses		
85747	87575	87583	87585	Portugal		27160*	56940*		Florida		65500
87587	87588	87590	87598	potatoes	15999	65466	39402*		France		65482
96961	98233	76697*	108789*	poultry	45200	66109	66110		Germany	34739*	65495*
France			27147*	86365	97360				Great Britain		85770*
Japan	36159*	36162*	36169*	Australia			26186		Italy	44643*	106763*
87579*				Austria			107823*		Japan		25423*
Kansas			87573	Brazil			93487*		Michigan		75245
Morocco			56942*	California			66099		Netherlands		85766*
Netherlands		8149	46343*	Canada			55747		Norway		65493*
marketing	15408	24416	24419	Ecuador			75772		Poland		65501
24431	24436	34044	34089	France			97366*		wine	24728	96297
43977	43989	43990	44002	Japan	35773*	35790*	97316*		24715*	64934*	64950*
44032	46233	54148	54157	97379*	97380*	97894*			1016763*		64987*
54182	64783	64791	64792	poultry hatcheries			35857*		wood-using industries		51149
64797	64807	74405	84845	processing	44011	74504*	84972*		wool	15886	25179
84847	84856	84860	84877	98229*					86154		65860
84889	98229*			public relations		5960	8150		Cooperia		22214*
Austria			106619*	8177	27167	46266	46270		Cooperia mcmaisteri	3579	103811
Colorado			106626	46274	46275	46285	46291		Cooperia oncophora	3680	62257
Denmark	54164	74394*		46292	46294	46331	46333		Cooperia punctata		62999
France	7665*	96130*		56926	65504	65506	76687		Cooperia spatulata		103811
Germany	54164	84892*	96146*	87536	87588				Cooperids	62999	92586
Great Britain	34075	54195		reclamation		87599*	91258*		Copaifera copallifera		98851*
106636				Republic of South Africa			8156		Copaifera guibortiana SEE		Copaifera co-
India	44011	54143		8157*					copallifera		
Italy		84972*							Copernicia	17664	67818

\*Text of this reference is not in English.

Item		Item		Item	
Copernicia cerifera SEE Carnauba palm		Copper--Cont		Coriandrum sativum	58808
Cophogryllus	73856*	in soils--cont		anatomy and physiology	89670*
Copidosoma geniculatum	95349*	Rumania	101904*	89671*	
Copper		Southern States	2180	fat and oil content	55641*
effects on algae	2028	Spain	78595*	fungus diseases	47262 67973
effects on apples	77853 78696	in soybeans	26067*	Coriaria	37642
effects on Aspergillus niger	48591	in subterranean clover	100088	Coridius janus	23765
effects on bananas	58883	in swine nutrition	13780 63204	Coriomeris humilis	95249
effects on barley	38279* 38280*	63227 82953	104797 82928*	Coris monspeliensis	77295*
effects on cacao	89611	in swine physiology	4580	Corixidae	
effects on citrus	78601	32468* 32470*	52561*	Asia	14779
effects on corn	38635*	in trees	50762*	biology	95187
effects on cotton	28149	in turkey nutrition	62774	eggs	33291
effects on fats and oils	55623*	in vegetables	85746*	flight	14759
effects on field crops	20655*	in wood preservation	21454	genetics	105849
effects on plant disease	27338a	toxicity	22815 104677	Great Britain	5388
37399 58100 77853		Copper-ammonia cellulose	54917	Malaysia	53392 95187
effects on plants	2180 100176	81571*		migration	14759
effects on Populus robusta	9839*	Copper beech SEE Fagus sylvatica		populations	64102
effects on potatoes	9981*	Copper chloride	68108*	Scotland	33292
effects on rice	58916*	Copper compounds	88702 958*	taxonomy	64101
effects on subterranean clover	19252	Copper glycinate	22171	USSR	53401
68809		Copper oxide	342*	Cork	
effects on wheat	48499 58370	Copper oxychloride SEE Copper chloride	61374	industry	103016*
69149		Copper resinate		microorganisms	71544* 106850*
effects on white clover	68809	Copper sulfate		processing	41069*
effects on wood	71566*	algicide	29325*	products	41060* 44156*
effects on yeasts	37904 38398	effects on plant disease	47450	properties	91743*
fertilizers	2180 40380 101957	effects on poultry	4175	quality	61541* 61542*
11597*		effects on sugar beets	38212*	substitutes	91743*
fungicide	9049 9101 9120	fertilizers	60409*	Cork-oak SEE Quercus suber	
37278 47341 51146		in poultry nutrition	4101* 93122*	Cormocephalus laevigatus	63854*
88749 99550 18122*		in swine nutrition	4482 4518	Cormophyta	47815*
57983* 77737* 99289*		32349* 32361*	52561*	Corn	
in alsike clover	18987	toxicity	72517 93376*	acreage and area	7032 75447
in animal nutrition	91826	Copra	44092 55159 63677 69726	analysis and composition	16079
in Asarum europaeum	69075*	Copridae SEE Scarabaeidae		16140 40069 48515 107482	
in beans	85737*	Coprinidae	14522**	1005* 30813* 55316*	65749*
in beverage processing	85164*	Coprinus	78159 47042*	96996*	
in blood	22171 32159 93670	Coprinus comatus	19117*	anatomy and physiology	250 902
63283* 93662*		Coprinus lagopus	780 9624	960 1004 1150 1183	
in Bombyx mori nutrition	53099	Copris	14522**	1233 1242 1258 1272	
in butter	74778 106926 44352*	Copris hispanus	94697 105139*	9105 9612 9721 9779	
in butter oil	24830 74778 106926	Copris lunaris	53289* 105138* 105140*	10068 10077 10139 10142	
in cattle nutrition	12884 51738	Copromyza	105759	10151 11485 18809 18858	
72009 3456* 12922*	82123*	Coprophagy	41798 92773 52348*	18939 18962 19129 19133	
in cattle physiology	62348 103574	Coprosma	79057	20796 27787 27828 27863	
in cheese	85301*	Coptia	63961*	27927 27949 27955 28034	
in corn	58397	Coptis japonica	101602*	28203 28242 28549 29697	
in fats and oils	45179*	Coptis trifolia	734	29865 37934 38048 38055	
in feed	103141*	Coptoformica SEE Formica		38186 38316 38382 38404	
in food	34009 15385*	Coptonotidae	33119*	42585 46738 48005 48036	
in forage plants	27970 51434*	Coptophylla	5081	48078 48171 48190 48191	
78712*		Coptorhina	83816*	48253 48431 48480 48497	
in fruit juices and sirups	34714*	Coptotermes elisae	23951	58495 58517 58630 58631	
in grain	25671*	Coranus	73706*	58651 58667 58686 58737	
in hay	29479*	Coranus lindbergi	95178*	58899 58900 68680 68691	
in Lolium perenne	100088	Corchorus acutangulus	9187 28381	68704 68785 68849 68949	
in malt	96955	Corchorus capsularis SEE Jute		68962 69068 69076 69147	
in milk	15645 22171 33636	Corchorus olitorius SEE Jute		78350 78351 78362 78363	
74792 96527*		Corchorus siliquosus	38031	78385 78390 78510 78568	
in plant nutrition	9651 68707	Corcyra cephalonica	5538	78703 78710 78733 78820	
18822* 100231*		biochemistry	14868	78865 89426 89428 89437	
in plants	60160* 78595*	control	23351*	89489 89610 89685 100012	
in poultry nutrition	13492 13493	enzymes	33386	10090 100226 100256 100290	
22538 52209 82550	82557	metabolism	33432	100309 100464 101994 710*	
in poultry physiology	62795 72598	Tropics	42731	943* 1005* 1037* 1192*	
in pulp and paper	61432	Cordage	44432	2537* 9405* 9659* 9697*	
in rabbit physiology	104546	Cordia alliodora	81443 48258*	9731* 9811* 9913* 9935*	
in Rhus vernicifera	48526	Cordia chacoensis oil	107756*	10061* 10108* 10118* 10163*	
in rice	65745*	Cordia trichotoma	51283 81156*	10995* 11513* 18813* 18880*	
in Salix	50802*	Cordulegaster boltonii	33513	18937* 19199* 27181a* 27878a*	
in sheep nutrition	63050*	Cordyceps	33014 77474 95505	27602a* 27790* 27878* 27878*	
in sheep physiology	42186 62348	17900*		27889* 28081* 28128* 28147*	
93631 104635 93660*		Cordyceps clavulata	99102*	28216* 28224* 28309* 29556*	
in soils	60122 80003 20655*	Cordyceps sobolifera	105824	38178* 38257* 38328* 38419*	
39729* 58916*	80033*	Cordyline	79609*	38438* 38444* 38446* 38621*	
Bulgaria	39709*	Cordysceles n g	95201*	47346* 47947* 47958* 48061*	
Chile	90857	Coreidae		48116* 48162* 48262* 48263*	
Congo	37557*	China	95198* 95199*	48263* 48267* 48322* 48376*	
France	39942*	habits and behavior	73705	48396* 58589* 58716* 58876*	
Germany		New England	95249	68677* 68794* 68803* 68805*	
East Germany	60160*	Oklahoma	43153	68840* 68842* 68903* 68924*	
India	100176	parasites	5460	68960* 68966* 68984* 68990*	
Japan	60225 39810*	taxonomy	95228*	68991* 68993* 69000* 69008*	
New Zealand	80027	Coreocarpus	36917	69015* 69056* 69065* 69127*	
Poland	29479*	Coreoidea	14764	69152* 69430* 77781* 78364*	
Pyrenees	70297*	Coriander SEE Coriandrum sativum		78365* 78450* 78497* 78498*	

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.



Item				Item				Item			
Corn--Cont				Corn--Cont				Corn--Cont			
anatomy and physiology--cont				culture--cont				feed--cont			
78535*	78536*	78549*	78556*	Canada	59172			72124	72573	72943	82931
78584*	78644*	78706*	78720*	China	91202			84281	92383	92945	93157
80415*	89234*	89400*	89461*	Corn Belt	48036			93795	93808	103122	107108
89506*	89534*	89544*	89639*	Denmark	48700*			6931*	22087*	42240*	42264*
89724*	90908*	100433*	100549*	Florida	1498			43934*	52529*	63192*	63201*
bacterial diseases	47434	77863		France	19513*	69381*		65211*	71614*	71675*	72575*
88864	68249*			Georgia	29865	59186		82907*	82908*	82941*	91865*
biochemistry	1298	1306		Germany	1541*	69406*		93607*			
1342	1371	1427	1445	East Germany	48699	10359*		Bulgaria		38780*	42238*
10279	19306	19318	28324	10362*	10390*	90066*		France			65201*
28369	38523	38540	38586	Great Britain		1481*		Germany			
38632	48515	58667	69242	Hungary	59178	100798	100799	East Germany			48699
69280	69295	79072	89785	100801	39558*	69372*	79129*	Spain			22515*
89832	100079	10163*	27181*	89993*				USSR		48758*	82911*
28309*	38621*	38635*	78940*	India		19541		fertilizers	2314	2451	11485
79038*	79051*	89848*		Italy	2025*	69445*	79132*	11492	11618	20746	28441
breeding	10377	18773	28549	79182*	90013*	100787*	100853*	29697	39949	39954	40017
38714	47862	52728	55247	Ivory Coast		69456*		40069	40084	49980	59161
59217	78268	78273	10371*	Japan		19539*	28544*	60312	60325	70585	80258
48376*	79125*	79149*	90042*	Kansas		29850		80263	80298	80312	89437
100833*				Lebanon		10391		101994	105247	2455*	28147*
Alabama		105201		Mediterranean area		10324*		29732*	30048*	58855*	
Austria	1504*	38789*			28457*			Arkansas		39923	60327
Bulgaria	10344*	10345*	90029*	Mexico	19503*	19514*	48690*	Brazil			80369*
Colombia		27772		48707*	59171*	90008*	100781*	Bulgaria		29715*	39975*
conferences and congresses				Nicaragua		79189*		Canada			49980
Germany				Northern Rhodesia		10303		China			91057*
East Germany		10367*		Pakistan		38751		Colorado			60340
Estonia		843		Philippines		8037		El Salvador			11601*
Europe		10392*		Poland	28455*	28643*	38724*	Florida			2369
France		69381*		38841*	69384*			France	11650*	50082*	50131*
Germany	1541*	27602*	59256*	Rumania	1478*	10378*	10385*	60433*			
East Germany	1531*	10325*		11651*	19551*	78535*	100989*	Georgia	2413	29718	60441
Great Britain			1481*	South Dakota		2491		60533	70649	90110	
Hungary	100226	100767	100801	Southern Rhodesia		10303		Germany	20641*	53712*	80280*
100811	100825	10314*	10335*	USSR	90074	10383*	19516*	East Germany			29662*
10346*	10347*			28422*	48758*	59245*	69401*	Hungary	11553*	29735*	48322*
India		100869		69608*	69430*	69983*	79121*	50076*	69372*	80348*	80351*
Iowa		1482*		79202*	79211*	79228*	90012*	88727*	89550*		
Italy		28485*		Virginia		48714	70674	India		28087	40061
Louisiana		59212		Wisconsin		28440		Iowa		11620	60365
Mediterranean area		10324*		cytology	9476	27510a	27726	Italy			11626*
28457*				37619	37789	46745	58247	Louisiana		2411	29749
Mexico		90082*		99913	100044	100064	47807*	29949			
Nebraska		1500		99911*				Mediterranean area			40057
Netherlands		1523*		damage		25753		Mexico		60473*	70645*
Philippines		69395		disease resistance	9032	9599		Minnesota		30064	91053
Republic of South Africa		69451		18773	37322	47859	68145	Missouri		101982	102051
research methods				68626	100825	10314*	18113*	Nebraska			60373
statistical	58384	10372*		47081*	47324*			New Jersey			91083
Rumania	793*	69426*		diseases	250	8928		Puerto Rico			2310
Spain		28448*		Australia		37127		Republic of South Africa		2447	20637
USSR	28479	10376*	28480*	control	8964*	67993*	68017*	2428*	10385*	11480*	
28533*	28547*	37839*	59182*	68031*				Rumania	2328*	11483*	11633*
59255*	79156*	79179*	79705*	Louisiana		99165		80274*	91061*	102030*	
United Arab Republic		18712		USSR		47081*		South Dakota			70529
Yugoslavia		10381*		United Arab Republic		57831		Spain			20584*
care and handling		106358		dried	25753	63226		Switzerland			60347*
care and handling equipment		24138		drought resistance	38447*	48376*		Tanganyika			11494
chemistry	65690	30813*		89617*	100833*			Tennessee		20722	91138
cleaning		25768*		drying	25718	25756	34871	USSR	80434	2395*	11072*
conditioning		96956		85934	96956	97011*		11469*	11484*	11511*	20684*
consumption		65201*		costs		75373		29730*	29840*	50050*	50123*
contamination		105347		Minnesota		44899		70509*	80272*	80326*	80362*
contests		28511		Republic of South Africa		107522		80381*	80390*	80393*	80415*
cooling equipment		33927		research methods				95835*			
costs and returns	26789	40017		statistical		5831*		Virginia			28034
87183				drying equipment	6991	15195		Wisconsin		28440	91046
Czechoslovakia		108508*		84541	44895	44950		Wyoming			20818
Germany	87070*	87204*		Australia		74107		Yugoslavia		40062*	80314*
India		76410		Germany		15189*		101912*			
Mexico		97957*		Republic of South Africa		106343		flowering date			38015
Ohio		56562		106358				for processing			2519*
Portugal		108514*		dwarf		26782a		forage plant	1506	41236	80312
Yugoslavia		75447		ecology	9341*	27413*	27419*	15149*	29662*	80393*	
culture	11671	19499	28441	enzymes	6739	34871	38523	Bulgaria			38836*
28514	40348	59145	59161	47906	68646	99593	100079	Georgia		29718	90110
79191	80723	69436	48750*	equipment		106278	106280*	Great Britain			39481
Alabama		59139		farms		56392	87070*	Minnesota			58667
Albania		28453*		fat and oil content	1427	10516		Poland		38841*	38863*
Australia	10368	19525	100809	100190	107744	78556*		Sweden			69548*
Brazil		59226*		feed	13645	13776	13785	USSR			1585*
Bulgaria	29864*	32785*	38836*	18939	22072	22073	22116	fungus diseases		353	357
40113*	68840*			22319	25095	32378	41514	9105	9163	9164	9599
				41537	52191	62729	72094	18096	38785	47201	57967

\*Text of this reference is not in English.

	Item			Item			Item	
Corn--Cont			Corn--Cont			Corn--Cont		
fungus diseases--cont			hybrids--cont			male-sterile	9632	100038
68145	77703	77752	27602*	27889*	28309*	9605*	27681*	37839*
89778	99376	37236*	48742*	78252*	79125*	78584*	79149*	100549*
77702*	77739*	77744*	79215*	89639*	100777*	marketing		16110
77782*	88727*				79111	Alabama	25673	96973
control	18113*	88773*	Alabama		105201	Kenya	16117	75415
Republic of South Africa		18156	Argentina		100775*	Mississippi		25095
South Dakota		58031	Austria		38789*	Peru		85940*
USSR	27194a*	48311*	Bulgaria	10345*	28537*	Republic of South Africa		16141
68206*	68210*	68160*	61653*			mechanization		
Washington		68140	Chile		28512*	Germany		106192*
France	47323*	47324*	Colorado		59166	East Germany		64367*
Hungary	27181a*	88774*	conferences and congresses			Italy		15032*
India	47291	58013		10308	79114	Japan	84311*	84312*
99497			Connecticut		37877	USSR	5689*	73940*
Indiana	37379	99518	Denmark		48700*	milling	6958	16171
Iowa		68239	Estonia		843*	105347	25592*	55241*
Mexico		57914	France		38732*	moisture	6977	41514
Minnesota		37095	Germany	1541*	59233*	75373	91890	93157
Nebraska		68116		59262*	59256*	103122	103592	41243*
Nigeria		47385	East Germany	19577*	9605*	molds	72124	6979*
Ohio		27248a			10390*	morphology	37780	38382
Philippines		68626	Great Plains		19572	68530	68622	89219
Poland		37322	Hungary	100038	100767	9400*	18588*	18616*
Republic of South Africa		381	100825	100830	10346*	27602a*	27618a*	28543*
Rumania		88805*	19512*	28216*	100764*	89234*	100873*	37266*
South Dakota	68235	68236	Illinois		59239	Nebraska		76026
USSR	68238		India	19541	28442	nematodes	37534	47571
Venezuela	18237	37234*	28554	100869	107744	88931*		99676
Yugoslavia		27188a*	Indiana		38701	nutritional deficiencies		48003
genetics	353	760	Indonesia		38716	70617	78243	1005*
770	781	857	Italy	28445*	28456*	9731*		22041
1427	4833	9559	28490*	28553*	59162*	nutritive value		30813*
9592	9594	9595	79135*			42254	63226	31186*
9612	14142	18694	Kentucky		69414	48764*	100873*	
18722	18758	18773	Lebanon		10391	research methods		
27726	27772	37851	Maryland		100851	statistical		3458
37877	47843	47854	Michigan	59240	100850	Rumania		59215*
47862	47874	47882	Minnesota	59227	90062	Tropics		12872*
47901	47906	58247	Mississippi		59183	Peru		38753*
58397	58427	68622	Missouri		59252	pest control	14083	42632
68646	78243	78250	New Jersey		69371	52888	63592	83380
78261	78263	78273	North Carolina	38775	59188	8964*	105183*	4812*
78316	78820	73354	79144			Arkansas		4833
89381	89291	89299	North Dakota	10388	19557	biological	63579	83302
89301	100028	100030	28548	79299		California		4785
100064	100073	100079	Ohio		48667	Canada		32688
843*	9625*	10325*	Oklahoma		59224	Cape Verde Islands		94335*
47836*	47873*	48267*	Pakistan		100790	chemical		
68651*	78252*	78297*	Pennsylvania		59165	Austria		94279*
germination	1020	1252	Philippines		69395	France		52830*
19129	19172	26782a	Republic of South Africa		69451	Georgia		63540
28369	38382	42734	Rumania	1484*	2519*	Latvia		52857*
78647	27790*	48114*	10378*	59215*	59229*	Michigan		105242
58855*	69104*	79038*	70688*	89400*	100839*	USSR	47148*	73218*
89749*			Switzerland		59153*	Washington		105240
grading and standardization		55254	Thailand		58876*	Colombia		105218*
hardiness	1046*	19089*	Tropics		79187*	cultural	63540	32785*
28533*	59255*	28480*	USSR	10339*	19566*	Dahomey		52865*
harvesting		7017*	28533*	28547*	59182*	Great Britain		105239
costs	106332	28471*	59255*			Hungary	42611*	105206*
Germany		65211*	Utah		59219	India		4809
Hungary		45598*	Virginia		69437	integrated		63592
Japan		90200*	West Virginia		79143	Iowa		42608
Rumania		59229*	industry		25673	Kansas		42379
harvesting date	10361	59196	injuries	49429	4802*	Middle Western States		13913
100859	1141*	1517*	79832*			Minnesota		42603
harvesting equipment		5781	Germany		8934*	Nebraska		13913
15155	106331	106332	East Germany		37095	Republic of South Africa		4803
43599*	43606*	28471*	Minnesota	40277	66525	South Dakota		52858
Germany	24103*	24108*	18813*			USSR	4827*	67993*
84493*	95851*	95856*	Bulgaria		50292	pest resistance	23220	28549
East Germany		15153*	France	20879*	29932*	83354	105221	94296*
Hungary	24111*	24121*	Hungary		50285*	Alabama		105201
Italy	5762*	84500*	Louisiana		91281*	Arkansas		4833
Republic of South Africa		106297	Missouri		29949	France		83283*
Rumania		106296*	Morocco		102051	Hungary		100825
USSR	15140*	15149*	Nyasaland		20827*	Tennessee		63527
history	28491	75445	Rumania	1489*	50262	pests	23198	42562
69387*		100804	11633*	59229*	70687*	94072	105247	105347
husks		108508*	80274*	102220*		Arizona		4813
hybrids	6981	27726	South Dakota		70529	Austria		84114*
38714	47874	48015	USSR	29893*	29948*	Corn Belt		42615
69386	71671	78316	60602*	60705*	102161*	ecology		105233*
89300	89437	100190	Wyoming		20818	forecasting		105157
		105247	labor		45598*	France		83284*
			loading equipment		84281			

\*Text of this reference is not in English.



Item				Item				Item			
Corn--Cont				Corn--Cont				Corn--Cont			
pests--cont				proteins	16162	28087	28479	varieties	19199*	38753*	91865*
Germany			84114*	85986	89291	91046		Arkansas		4833	69452
East Germany			94288*	100190	29830*	38257*	38328*	Austria	1504*	10395*	79110*
Hungary			94343*	44926*	48322*	76877*	89724*	Bulgaria		10344*	38772*
India	23254		63922	99911*				Dahomey			1480
Iowa	42608	42632	106035	purchase and sale programs		25675*		Ecuador			28551
Israel			83353	quality	77310	105247	1523*	Florida			1150
Italy	4802*		105607*	20684*	97011*			France			83283*
Missouri			23207	research methods				Germany			59233*
Northern Rhodesia			14159	statistical		48766	100864	East Germany	10312*		10359*
Ohio			23033	Rumania			56430	Great Britain			19562
outbreaks			14850	seeds	48005	78647	28309*	Hawaii			28563
Poland	23211*		83367*	78940*	79149*	89507*		Hungary	10335*		27419*
Southern Rhodesia			83881	certified		10331	55780	Iowa			38718
Tanganyika			94349	Germany		59256*	59262*	Italy			59162*
Tennessee			63527	East Germany			10390*	Japan			79367*
USSR	42598	42629	83345	Hungary		100830	100764*	Kansas			79217
83362				monogerm			79226*	Michigan			100849
United Arab Republic			64226	Poland			28536*	Missouri			1542
Wisconsin			63542	processing				Nebraska			38705
Yugoslavia		32742*	94269*	Hungary			100830	New Jersey			19475
planting	1272	1502	1584	properties			90053*	Nigeria			960
10068	48497	48765	59161	quality	19158	1141*	58855*	North Dakota			10388
59926	69386	69439	80725	59247*	90053*			Oklahoma			59224
89489	100864	105247	1192*	storage		58543	88805*	Pennsylvania			19573
11200*	38445*	78536*		treatment		4809	19133	Poland	37322	38863*	44926*
Albania			28559*	27828	19132*	38178*	38419*	research methods			
Bulgaria	48764*	59193*	100873*	38447*	48262*	48311*	68031*	statistical			1520
Colombia			59211*	69104*	78926*			Rumania	10384*	81678*	100839*
Great Plains			19572	USSR	19089*	27194a*	84749*	South Dakota			48680
Hungary		10334*	69440*	vernalization			10384*	Spain		19507*	59242*
India			28087	viability	42734	58543	9774*	Sweden			69548*
Italy			19514*	100143*				Switzerland			59153*
Kentucky			38756	shelled			54024	Texas			38686
Lithuania			38730*	situation and outlook		6969	16124	Tropics			69423*
Mexico			60473*	16142	34851			USSR	90063	1585*	19516*
Minnesota			90062	Africa			7020	37839*	48745*	59144*	59185*
Missouri			101982	France			65201*	79134*			
Nebraska			79124	Georgia			34851	United Arab Republic			18712
Nigeria			19509	Republic of South Africa			16142	Virginia			48694
Pakistan			100790	Rumania			55291	Wisconsin			28440
Poland			28543*	Spain			96982*	virus diseases		863	18288
Rumania	1489*		90085*	Tropics			7020	99593	9242*		
South Dakota	59170		79128	soilless culture		68691	100090	Arizona			4813
USSR	78364*		79179*	38444*	74233*			Israel			27304a
Wisconsin			28440	soils	250	11356	27863	Ohio		27309a	27310a
planting date	58855*		48015	39669	39949	39954	40069	transmission		105222	105223
Hungary			59194*	49592	60189	80723	90930	94263*			
Kenya			28462	99676	101648	103594	1192*	Venezuela		32773*	47501*
Michigan			38765	11200*	28147*	29576*	48114*	waste		4097*	52105*
Poland			28543*	58716*	68666*	70259*		weed control		11092	59926
Tennessee			63527	Albania			91210*	90733			
USSR	27194a*		47081*	Arkansas		60327	89685	California			90668
planting equipment	84430	5748*		Brazil			60556*	chemical	11023	11033	38048
costs	69439		5748*	Florida		2350	92285	39549	70161	70162	90716
costs and returns			43528	France			60433*	90734			
designs and specifications			95839*	Hungary	10334*	39558*	49446*	California			90658
Germany			53712*	50076*	80351*	89993*		Connecticut			29308
Hungary	64421*		64435*	Iowa			60365	Florida			90652
Turkey			84445*	Japan			48480	Germany			49427*
USSR	53736*	74062*	95836*	Minnesota			27955	Great Britain			39481
95838*				Republic of South Africa			70617	Hungary	101515		39558*
plant parasites			77702*	Rumania	2494*	90085*	91061*	49446*	49509*	59950*	59996*
policies and programs			16142	Spain			20584*	Lithuania			2041*
75478	25585*			Tanganyika			11494	New Jersey			29234
pollen			100030	USSR			2231*	New York		29202	29386
pollination	18712	100833	27801*	Yugoslavia			40062*	North Carolina			20320
28081*	47836*	48285*	68638*	statistics	16169	75443	7032*	Pennsylvania		29251	79846
68651*	78329*	78940*		storage		22574	92062*	Poland			70084*
prices	34851	34910	96973	diseases			6979*	Rumania			29336*
25951*				Hungary		16074*	24121*	South Dakota			59931
processing	22319	16074*	25781*	Illinois			42739	USSR	11072*	11125*	47148*
65749*	65757*	85919*		pest control			83498	49458*	49507*	70054*	70090*
processing equipment			15191*	Dahomey			52865*	70121*	79800*	79863*	79866*
33760*				pests	42734	105688	23364*	Mexico		49474*	70125*
production regions	34851	90036*		Republic of South Africa		106358	106358	Minnesota			11086
products	15454	25752	34851	structures	33927	54024		New York			29201
55247	66000	26265*	85090*	15329*	106502*			weight and measurement			25675*
analysis and composition			74651*	surpluses			6969	yields	1502	19133	20746
fortified			74651*	taxonomy			10372*	23207	38785	39949	39954
nutritive value			7074*	tests			7017*	40069	40084	48015	48497
properties	25756	55312		threshing equipment			33757*	48723	59145	59196	59926
96996*				topping			38404	60312	60325	69386	69439
				transportation		3056*	65211*	70132	78292	80258	89832
				utilization research	96973	16111	25752	101994	1499*	2455*	11513*
								19132*	29732*	38445*	78365*
								79125*	80393*	80415*	106192*

\*Text of this reference is not in English.

	Item				Item				Item		
Corn--Cont				Corn planthopper SEE <i>Peregrinus</i>				Corpus luteum--Cont			
yields--cont				maidis				swine	4537	42276	42316
Alabama		79111		Corn root webworm SEE <i>Crambus</i>				52578	72990	72996*	
Arkansas		69452		caliginosellus				Corpus luteum hormone SEE Proges-			
Austria	1504*	79110*		Corn sap beetle SEE <i>Carpophilus</i>				terone			
Bulgaria	50292	38780*	48764*	dimidiatus				Correspondence courses	46188*	98152*	
61653*	100873*			Corn sirup	8634	54680	75490	Corrodentia SEE Psocoptera			
Canada		49980		96770*				Corrosion and anticorrosives		15224	
Colorado		59166		chemistry	16456	45334		15996	40808	45334	55760
Czechoslovakia		108508*		in dairy products		74933		60795	90649	91759	106299
Florida	1150	2369		in food processing		107840		23985*	43767*	54291*	64357*
Georgia	2413	60441	60533	processing equipment		45334		64665*	74246*	74900*	84271*
70649				Corn steep liquor		54697*		85098*	95695*	96075*	
Germany		20641*		Corn cob meal		82787		Corrosive sublimate SEE Mercury			
Great Britain		19562		Corn cobs	13644	25544	15468*	chloride			
Great Plains		19572		24143*	92340*	103534*		Corsican pine SEE <i>Pinus nigra</i>			
Hawaii		28563		Corniculatae SEE Oxalidaceae				poiretiana			
Hungary	100798	10346*	49446*	Cornimytilus		73702*		Cortaderia	18514	26912a	69542
Illinois		59239		Cornitermes		63732*		Cortaderia selloana			69202
India		28087		Cornitermes cumulans		32890*		Corthylus			83438*
Indiana		100766		Cornmeal		85923*		Corthylus columbianus	42783		94468
Iowa	38718	48744	60365	cookery		67424		Corticium bicolor			70377
Italy		59180*		discoloration		75470*		Corticium gigantea	407		27135a*
Kansas		79217		feed	3469	62721		Corticium praticola	88820		99334
Kentucky		69414		nutritive value	57130*	67444*		Corticium salmonicolor	27239a		58052
Kenya		28462		tests		85923*		88808*			
Louisiana		29949		Cornopteris		37637		Corticium solani	88703		88820
Maryland		100851		Cornsalad SEE <i>Valerianella</i>				Corticium vagum			18215*
Minnesota		28511	59227	Cornstalks				Corticosteroids SEE Adrenal cortical			
90062				feed	1342*	2422*	12486*	hormones			
Mississippi		59183	70483	70483*	81678*	92340*	92876*	Corticosterone			82537
Missouri	1542	59252	101982	Cornstarch				Cortinarius	208	26971a	46986*
102051				analysis and composition		25547		Cortinarius bicolor			47003*
Nebraska		38705	79124	chemistry	107439	107440		Cortinellus shiitake	20138*		20208*
New Jersey		19475	69371	drying		25565*		102433*	104177*		
Nigeria		19509		hydrolyzates		25719		Cortisol SEE Hydrocortisone			
North Carolina		79144		25768*				Cortisone	41675	51836	21927*
North Dakota		10388	19557	in food processing		107840		82716*			
28548	79299			in pulp and paper manufacture		66240		Cortisone acetate			12862
Oklahoma		59224		industry	25560*	64715*		Corydalis cava			83608*
Pakistan		100790		manufacture	16127*	25715*	25747*	Corydalis halleri			27401a*
Pennsylvania		59165		25781*	34946*	75412*		Corydalis cornutus			53597
Poland	28543*	28643*		processing	25587	25776	25567*	Corylopsis willmottiae			36930
Puerto Rico		2310		products		107433		Corylus			99740
research methods				properties	85981	25565*	25567*	Corylus americana			21239
statistical		1486	10363	43934*				Corylus avellana			
Rumania	19551*	59205*	59215*	situation and outlook		96770*		anatomy and physiology			58952
90085*				tests		34932		99922	68745*		
South Dakota		48680		waste		75412*		costs and returns			
Tennessee	20722	91138		Cornugonus n g		32345*		culture	59670	28927*	49137*
Texas		38686		Cornus		83768*		Italy	10686*	59673	101242
Tropics		12872*		Cornus controversa	19182	39168*		49137*		28278*	28927*
USSR	2395*	19089*	20684*	Cornus florida	1861	59686		Sicily			49143*
29730*	29830*	48745*	48758*	69930	90383			USSR			49142*
59144*	70509*	78364*	79301*	Cornus mas		101276*		diseases			47130*
80326*	80362*	80381*	80390*	Coroebini		94837*		fertilizers	60463	60446*	80297*
Utah		59219		Coronilla		88307		harvesting			59668*
Virginia	28034	48694	69437	Coronilla varia SEE Crownvetch				injuries	57817	57832	57847
West Virginia		79143		la				irrigation			28278*
Wisconsin		91046		Corpora allata	83982	94641	5198*	morphology			78141
Yugoslavia		75447		43313*				pest control		52930*	94359*
SEE ALSO Popcorn; Sweetcorn				Aedes		33229		pests		47130*	83448*
Corn bran		82920*		Anisulabis Maritima		84227		planting			59670
Corn earworm SEE <i>Heliothis zea</i>				Bombyx mori		23484		pollination			58952
Corn flakes		25713		effects on <i>Galleria mellonella</i>		95498*		pre-harvest drop			28278*
Corn flour		16127*		effects on <i>Pyrrhocoris apterus</i>				propagation			28929*
fortified		36361		Lepidoptera		95248*		pruning			59667
nutritive value	8348*	8349*		Locusta migratoria		64212		seeds			28292
proteins		36361		Locusta migratoria migratorioides		33480*		taxonomy			78141
vitamins		36361		33453*				varieties			59674
Corn germ	6958	16171		33236				Corylus cornuta	39221		78141
analysis and composition	6951*	107744		95554*				Corylus cornuta			21239
extraction		75376*		33465				Corylus maxima			78141
milling		7043		73585*				Corynebacterium	6015		47451
tests		16077*		mosquitoes				63107*	92507*		
Corn grits	57112	87782		Pseudaletia separata	33236	14392*		Corynebacterium equi			31673
Corn leaf aphid SEE <i>Rhopalosiphum</i>				Schistocerca gregaria	105517	105671		Corynebacterium fascians			9182
maidis				Tenebrio molitor	7878	16940*		Corynebacterium insidiosum			9186
Corn oil				Corpora cardiaca	35767*	87277*		47445	47449		
analysis and composition		78261		Corporation farming				Cornebacterium michiganense			18244*
26057*				France				29041*			
chemistry	66027	66047		Italy	86689*	87237*	87249*	Corynebacterium pseudotuberculosis			52119
extraction		75680*		Corpus luteum	87290*			Corynebacterium pyogenes			3553
feed	13461	82931		buffaloes		103854		3700	13410	13415	104671
oxidized		66027		cattle	31372	41691	72191	3616*	41622*	62271*	103721*
quality		107744		103689	31344*	31356*	31356*	Corynebacterium sepedonicum			58051
				rats		41872		47438*	88855*		
				sheep		42193	104667				

\*Text of this reference is not in English.



## Item

Corynebacterium sepedonicum--Cont  
 reviews 99544\*  
 Corynephororia reticulata 14985  
 Corynephorus canescens 17778  
 Corynespora 88511  
 Corynespora cassicola 27231a 99313  
 Corynespora melonis 18132\* 77672\*  
 Corynetes 193  
 Coryneum 57741 57742 88551  
 Coryneum beijerinckii 57992 18117\*  
 58020\* 68222\* 77890\*  
 Coryza  
 cats 52036\* 92693\*  
 poultry 4117 42044 93233  
 52239\* 93264\*  
 prevention  
 treatment 13511\* 4213 93357\*  
 Coryzoplatus 95228\*  
 Cosan 27158a\*  
 Cosberella n g 15002  
 Cosmarium 77457  
 Cosmea SEE Cosmos  
 Cosmiomorpha 63964  
 Cosmogneta kargi 63868\*  
 Cosmophila flava 14120  
 Cosmoplatus 5216  
 Cosmopolites sordidus 14168 32843\*  
 Cosmopterigidae 4808  
 Cosmopterix 105936  
 Cosmopterix phaeogaster 4808  
 Cosmopterix SEE Cosmopterix  
 Cosmos 36917  
 Cosmos bipinnatus 58400 89893  
 47712\* 58450\*  
 Cossidae 42760\* 94346\*  
 Cossus cossus 42760\* 94346\*  
 Cost and standard of living 45751 45560  
 Africa 66742  
 Argentina 35961\*  
 Brazil 86942\*  
 Bulgaria 56157 66741  
 Colombia 35740\*  
 France 7687  
 Germany 55120\*  
 India 16625 35741 45753  
 Iowa 56362  
 Italy 7758\* 35494\*  
 Japan 43964\* 86943\* 87253\*  
 Malawi 66742  
 Netherlands 8035\* 45754\*  
 Northern Rhodesia 66742  
 Pakistan 26732  
 Rumania 108359\*  
 South Dakota 45750  
 Southern Rhodesia 66742  
 USSR 54137\*  
 Washington 97795 108358  
 Western States 8022  
 Costaroplatus n g 94930\*  
 Costelytra zealandica 73185 73195  
 73202 105174  
 Costus 26825a  
 Costus speciosus 699  
 Costus speciosus oil 16332  
 Cosymbia puppillaria 105999\*  
 Cothonaspis 84112  
 Cotinis nitida 83839  
 Cotinus coggygia 37231  
 Cotoneaster 89711 83903\*  
 Cotoneaster harrysmithii 26852a  
 Cotoneaster integerrima 9785\*  
 Cotton 71251 77692 90092 90107  
 abnormalities 9609  
 acetylated 25149 54877 6623\*  
 acreage and area 65763  
 advertising 34606 54818 85565  
 96712  
 Africa 69490\*  
 aminized 65318 107145  
 analysis and composition 21611  
 25253 34572 96751 107135  
 15842\* 15866\* 44455\*  
 anatomy and physiology 878  
 995 9670 9714 10043  
 10079 10139 17495 18814  
 19023 20283 27923 28076  
 28183 28248 32760 37900

## Cotton--Cont

anatomy and physiology--cont  
 37947 38294 38304 38362  
 47932 47952 48352 48406  
 48407 48488 48501 49441  
 52871 58481 58509 58527  
 58595 58610 58741 58830  
 58877 68634 68850 68922  
 68928 69067 70662 78363  
 78503 78513 78561 78634  
 78726 78730 78784 78801  
 78860 89592 89593 89594  
 89719 89755 90092 99183  
 100093 100118 100167 100218  
 100224 100349 100447 102105  
 104971 1113\* 1271\* 9804\*  
 9806\* 9899\* 9973\* 9986\*  
 9998\* 10017\* 19060\* 27487a\*  
 28005\* 28091\* 28115\* 28271\*  
 38103\* 38136\* 38298\* 38464\*  
 48065\* 48399\* 58489\* 58675\*  
 58682\* 58743\* 59270\* 68921\*  
 69002\* 77727\* 78358\* 78402\*  
 78447\* 78625\* 78653\* 78656\*  
 89414\* 89473\* 89655\* 89769\*  
 89774\* 100154\* 100318\* 100361\*  
 100395\* 100420\*  
 conferences and congresses 1548  
 79232  
 reviews 58585\*  
 associations  
 Great Britain 6605 54878  
 65257 65274 107157  
 India 44452  
 Italy 96736\*  
 bacterial diseases 27269a 37395  
 68240 68241 88854 88860  
 99553 58054\*  
 Africa 27268a  
 control 47426 77852 68122\*  
 Tanganyika 88853  
 baling 6640\*  
 bibliographies 15849  
 biochemistry 995 1386  
 1394 9531 77763 78988  
 10251\* 68098\* 69260\*  
 bleaching 34540\*  
 Brazil 65249  
 breeding 9531 10396 19586  
 28584 28587 28607 48789  
 59295 69475 69477 69483  
 69488 69489 10398\* 19584\*  
 59275\* 100883\*  
 Bulgaria 59271\*  
 Central African Republic 69458\*  
 China 69462 69463 90089\*  
 100874\* 100901\*  
 conferences and congresses 69466  
 India 1560 38800 59290  
 79249 100060 100894 100898  
 105210  
 Mississippi 69486 79242  
 Missouri 19587  
 Pakistan 10397  
 research methods  
 statistical 27725  
 reviews 19591  
 Tanganyika 90091  
 Tennessee 90095  
 Uganda 28595  
 USSR 19590\* 28565\* 38809\*  
 47940\* 48793\* 79246\* 79252\*  
 90093\* 100420\* 100896\* 100900\*  
 Cape Verde Islands 88288  
 carding and combing 25213 34542  
 75089 85623\*  
 carding and combing equipment 75114  
 6655\* 65277\* 96756\*  
 chemistry 6601 15807 25122  
 25147 25169 25172 34535  
 34547 34568 65241 75097  
 75116 85588 85619 96749  
 107167 107179 34560\* 65285\*  
 cleaning 107186  
 color 34618 34619 107175  
 107197 15866\*  
 conferences and congresses 15830  
 28566 34527 44440 44487  
 54823

## Item

## Cotton--Cont

conferences and congresses--cont  
 Great Britain 6605 65268  
 65275  
 Western States 54873  
 consumption 15848 15878  
 25158 25199 34596 44527  
 Argentina 44428\*  
 France 25259\*  
 India 54802 65252  
 contamination 34607 54788  
 54857  
 cooperatives 44514 65254  
 85569 25150\*  
 costs and returns 25265 33558  
 45912 76252 76438 87164  
 85597\*  
 Africa 87191  
 Arkansas 16932 29889  
 Bulgaria 63576\*  
 India 10403 35889  
 35917  
 South Carolina 26923  
 Southern States 56214  
 Texas 35923 76404  
 76434 108516  
 USSR 7862\* 16812\* 33711\*  
 45876\* 76419\* 86709\* 87192\*  
 108166\* 108502\*  
 credit 65359 66416 66430  
 culture 1549 1551 28577  
 29828 48782 48799 59287  
 76438 100879 11655\* 19580\*  
 59289\* 78358\*  
 Africa 48778  
 Alabama 69465  
 Albania 69469\*  
 Arkansas 1546 59300 90108  
 Australia 69495 89719 100899  
 bibliographies 48788\*  
 Brazil 28579  
 British Guiana 1554\*  
 Bulgaria 38796\* 40124\* 59278\*  
 California 40139  
 Cameroon 79245\*  
 Central African Republic 69461\*  
 China 59272 59280 69479  
 79091 90021\* 90090\*  
 desert areas 59272  
 Georgia 59299  
 Guatemala 59288  
 India 1559 10403 10407  
 10413-- 10415 28597 28601  
 35889 35917 38801 38891  
 79725  
 Israel 100876\*  
 Ivory Coast 59284\* 69456\*  
 Malagasy Republic 10399\*  
 10405\* 69459\*  
 Malawi 48776  
 Mississippi 28573  
 Missouri 1546  
 Morocco 69457\* 78284\*  
 Nigeria 48771\*  
 Northern Rhodesia 90100  
 Peru 19582\* 90099\*  
 Republic of South Africa 28599  
 Rumania 11673\*  
 Southern Rhodesia 10303 48795\*  
 Southwestern States 38808  
 Sudan 48777  
 Surinam 1554\*  
 Taiwan 59279\*  
 Tanganyika 48779 90105  
 Tennessee 70570  
 Texas 28586 69494 102081  
 Thailand 28567  
 Uganda 89593  
 USSR 1558\* 2476\* 10416\*  
 28422\* 29876\* 38804\* 40123\*  
 59268\* 69455\* 69492\* 69510\*  
 79244\* 79246\* 79248\* 79254\*  
 80462\* 80472\* 80475\* 90126\*  
 95813\*  
 cyanoethylated 34608\*  
 cytology 27634a 37829 37889  
 78161\*

## Item

\*Text of this reference is not in English.

	Item				Item				Item		
Cotton--Cont				Cotton--Cont				Cotton--Cont			
defects	6668	34511	54915	fruit set	78860	68921*		harvesting equipment--cont			
65323	34512*	75106*		fungus diseases	9018	9124		Mississippi	74074	74075	
defoliation	878	881	10401	18149	68128	68245	68955	74088			
19023	28576	28582	38125	70788	77653	77763	78414	Tennessee		64465	
48787	78344	100884	59294*	99529	367*	374*	388*	Texas		95866	
conferences and congresses				37187*	68098*	68187*	88765*	USSR	5803*	15171*	33711*
1548		79232		Brazil		27240a*	27241a*	53742*			
Texas	553	1547	1564	California			37338	Hawaii			67887
69468	79231	79235	79247	Central African Republic			68119*	history	1555	15811	38807
USSR	48787	1562*	1566*	control	8988	37349	47154	44528			
10408*	10409*	28589*	38103*	68134	77690	77692	99362	Florida			15888
38793*	79256*			99465	68122*			Northern Rhodesia			10404
deterioration		6671	85610	Arkansas			68146	South Carolina			44522
96735	65308*			Mississippi			99232	Southern Rhodesia			10404
directories			107157	USSR	401*	411*	9152*	Southern States			56214
disease resistance	78286	78308			37179*	47203*	68139*	Texas			34583
78503	89293	99286	99529	Dahomey			9015*	hybrids	9598	10396	10417
367*	374*	388*	27241a*	India			27200a	58483	58741	59276	59283
28565*	37313*	77727*	88765*	Iran	9090		9016*	68441	68652	68652	69476
India		1560	27269a	Louisiana				69477	69488	78258	78301
Tanganyika			90091	Syria			68208	28600*	100883*		
USSR	38809*	99263*	100900*	Tanganyika	88841		99286	Arkansas			38798
diseases			99183	Texas			70662	China		100874*	100880*
China			47121	USSR	99263	47310*	77727*	India	44445	100894	100898
Colombia			99220*	United Arab Republic			99431	Missouri			19588
conferences and congresses			88574	control			99431	USSR	19590*	28271*	47940*
control			8964*	futures		44490	107126	100395*	100480*		
Africa			68056*	genetics	812	9598	9609	hydrolysis		75116	85621
Alabama			68045	18708	18774	27754	37829	India			100881
China			47121	37842	37889	37900	47872	industry	34644	46369	54749
conferences and congresses				47898	68634	68652	68653	54865	100879		
Texas			68056*	68657	78286	78301	78308	Australia		75064	85575
USSR		27063a*	37137*	89303	100060	58489*	78284*	Brazil			85622
New Mexico			27028a	research methods				California			34649
Pacific area			17983	statistical				Central America			54893
Southeast Asia			17983	reviews				Great Britain			54903
Taiwan			57848*	germination		881	9670	India	6602	34526	44503
Texas			26985a	47933	58545	58573	58830	54796	54892		
drought resistance			58483	78344	78527	89330	961*	Iran			107164
drying	25131	25181	107186	10402*	58675*			Japan			107153
ecology			99779	ginning	6624	25141	25237	Louisiana		25151	75078
equipment	33558	74044	84361*	25256	25257	25265	44448	Mexico			34579
84621*	95813*			54781	54788	54829	54854	North Carolina			35378
exchanges	15844	15845	25221	54915	65349	75096	75124	Pakistan	34507	34582	54888
directories		15851	107172	75139	75148	107186	75098*	Peru			54774*
Germany		85570	85571*	Arkansas			15859	Portugal			54866
New York			107172	cooperatives		34533	54775	sanitation			75062
extracts			23613	75077				Sicily			44499*
farms				costs	25181	54775	54841	Spain		65310*	96745*
management			76252	75077	75078	85601	85641	Sudan			96760
Alabama			108384	directories			96733	Syria			44517
USSR	7862*	7900*	16768*	Louisiana		25151	75078	Tanganyika			75147
16812*	26862*	76419*		Mississippi		28573	107174	Texas			25152
85597*	87108*			Missouri			15859	United Arab Republic			6632
fat and oil content		58481	38464*	Morocco			69457*	107158*			
fertilizers	2362	11501	11595	research programs			44443	Venezuela			35727*
29701	29828	39930	47932	Southwestern States			54745	West Indies			75061
59287	91080	100118	11634*	statistics		65315	75111	injuries	11091	18031	20283
80586*				ginning equipment		4896	15834	34610	77509	88638	91554
Alabama			11447	25247	34523	34585	54854	105175*			
Arkansas		29889	60413	75062	75130	75143	96739	irradiation			107115
Belgium			80399*	Louisiana			75078	irrigation	48782	68992	70788
Brazil			80369*	Mississippi			75152	28005*	48065*	78402*	78625*
California			2407	Southwestern States			85647	78653*	80586*		
Central African Republic			70498*	grading and standardization			6608	Arkansas			29889
China		91058*	102066*	34618	34619	107175	54760*	Albania			91237*
desert areas			101964	Greece			65360	Bulgaria			89774*
Georgia	60448	60449	60528	India			34566	California			20806
70649				USSR			65240	China		102117*	102118*
India	2448	11572	20669	hardiness	69482	28089*	38054*	Colombia			102196*
60411	100882	101946	101964	harvesting			59297	Israel		58509	58610
Louisiana		29749	29770	advisory services			1557	Louisiana		29949	70765
29949	70765			Australia			90107	New Mexico			80563
Mali			70611*	Mexico			90103*	Southeastern States			102111
Mississippi		20685	60383	Mississippi		28573	107174	Tennessee			91288
69473				Southwestern States			38808	Texas		50290	80565
New Mexico			29686	Texas			69494	USSR	2550*	2567*	38103*
Tennessee			60432	USSR		86709*	95686*	40202*	40218*	40251*	50279*
Texas			50290	harvesting date			10411*	60641*	79962*	80611*	80615*
USSR	1566*	2343*	2456*	harvesting equipment		15834	28582	80627*	91268*	91298*	91300*
11502*	11544*	29836*	38103*	33692	33693	33726	33735	91316*	102074*		
40009*	80248*	80322*	80338*	64482	69464	74083	106319	United Arab Republic			102105
80344*	80361*	80394*	80435*	costs	53756	106312	5801*	labor	86742	86775*	97682*
80472*	91120*	101898*	101927*	33695*	53742*			history			56214
102074*				Georgia			95848	USSR	16637*	35522*	35570*
United Arab Republic			91081	maintenance and repair		106299		66466*	76060*	76098*	76419*
				15160*				86709*	86734*	97685*	108166*

\*Text of this reference is not in English.



Item				Item				Item			
Cotton--Cont				Cotton--Cont				Cotton--Cont			
legislation	34518	34588	44430	pest control--cont				prices	15811	54766	98286
54789	54792	54826	65359	Spain		83344*		54760*			
75072	75088			Sudan	83374	105172		Brazil			25139*
linters	12433	15843	25120	Tennessee		94341		Bulgaria			54273
25269	25281	30659	34552	tests	42573	105189		control			44430
44492	54877	2988*	15866*	Texas	4896	13919	23221	India			75102
34537*	34595*	71554*	85625*	32747	32756	32757	63585	support		44510	75072
loading equipment			73957*	Thailand			52900*	USSR	54786	54785*	85597*
losses			14124	Uganda		83292	94277	97682*			
Malagasy Republic			69490*	USSR	4804*	27063a*	37137*	processing	6615	6626	15805
male-sterile			9584	94331*				25185	25196	25238	34589
manufacturing equipment			75063*	United Arab Republic		63549		34630	44459	44493	44500
marketing	8276	15878	34545	pest control equipment		63595*		54905	65343	85620	96757
34562	96712			pest resistance	23232	63531		107167	107168	25126*	25230*
costs			85641	73197--	73199			75128*			
Great Britain			44498	India		14143	105210	India	15850	44467	44468
India	34525	44485	75102	pests	5115	42630	83300	production regions			54905
107191				99183	23239*	73180*		products	6630	107169	25259*
New Mexico			44514	Alabama		73179		propagation			48772
policies and programs			6633	Arizona		63530		properties	6610	6620	6659
Southwestern States			38808	Australia		83351		15863	25130	25131	25149
statistics			107200	Brazil		105160*		25169	25198	44445	44501
Tanganyika			65344	China		95200	105175*	54913	65240	65247	65297
Texas		34558	69494	conferences and congresses				65312	65316	65355	68652
United Arab Republic			54900	105165	105166			68653	70788	75118	75124
mechanization		1546	53631	East Africa		13983		75139	80563	85620	85644
53654	84325	86742		habits and behavior		14845		96748	100875	107174	107206
Arkansas			23988	23586	23613	23857	42973	25126*	34608*	55809*	65260*
China		106219*		42974	43016	63977	73809	65266*	65266*	65342*	75098*
Missouri		23988		73821	83320*	105951*		pruning	10412*	89473*	100888*
USSR	24025*	64375*	86775*	India	5190	14152	32801	quality	1549	6608	14124
95698*	97685*			Mali		14156*		15807	15821	25169	25265
moisture	25153	54913	75096	Mexico	63530	23219*	94262*	28577	34610	34618	34619
molds			34610	Mississippi		105038	105082*	44486	48774	48782	48799
morphology	9499	9531	68441	Morocco			83318*	48800	54766	54772	54790
78116	27487a*	99997*		North America			52866	54809	54905	59276	64482
notes			85594	Pacific area		17983		65316	65327	65355	69476
nematodes	503	9018	9265	Peru		94302*	94339*	75074	75690	85644	107186
27356a	58114	77653		Southeast Asia		17983		107197	1271*		
nutritional deficiencies			9908	surveys		73179		Arkansas	1546	15808	23988
28149	78561	100303*		Tennessee		94341		59300			
oxidation			85621	Texas		32762		Australia		90107	100899
pest control	14108	14121	23195	USSR	4804*	52867*		Bulgaria		54273	28596*
23229	23230	32745	42366	United Arab Republic		33273		California			34615
42428	42434	42589	47154	63549	63565			Greece			54787
63531	83155	83182	83288	plant parasites				India	15850	15854	25186
105211	8964*			planting		20227*		34589	44485		
Africa			68056*	Arkansas		38810	48784	Japan			54857
Alabama		73179	105241	China	48786	69485	90098*	Louisiana			75101
Australia		14099	14120	Georgia	28581	69478	95848	Mississippi		28573	75120
biological	83338	23180*	23181*	India		100875	100882	107174			
32750*	105162*			Mexico			90103*	Missouri		1546	23988
chemical	32801	42411	52878	Mississippi		69473	69474	Southwestern States			38808
63397	63530	63546	63547	100878				Tennessee			96748
63556	63566	63573	63584	Southern States		58830	90654	Texas		54913	69494
73189	83172			Tennessee			90092	Turkey			54881
Arkansas		73182		Texas	28578	59291	69498	USSR		38104*	79254*
Bulgaria		63576*		USSR	1553*	10402*	101927*	United Arab Republic			54803
Central African Republic		73180*		planting date		28089*	28271*	research methods			
Mexico		105171*		Arkansas			48784	statistical			28584
Mississippi	99232	105038		Bulgaria			28596*	research programs		65301	96763
105082				Central African Republic			69460*	scutching			6660
Missouri		94345		Chad			69487*	seeds	14124	59283	78116
Oklahoma		73216		Georgia			60449	78258	78860	89330	
Spain		105213*		Mexico			94271*	Bulgaria			89774*
Texas		73173		Southern States			59292	certified			19583
United Arab Republic		63548		planting equipment	53711	74047		China		66138	90087*
63550				74057*	106287*			cleaning			26231*
China	104978*	104979*	105020*	policies and programs		25127		grading and standardization			55809*
105163*	105246*			25182	34606	44460		India			58741
Colombia			83309*	65303	65339	65350	75076	Mexico			90103*
conferences and congresses			52833	85640	97636	107201	6618*	quality		69483	10411*
105165	105166	68056*		Brazil			107121*	storage	18821	58545	66138
costs			94341	China			48772	78688			
Georgia			73200	Great Britain			6618*	treatment	3494	18969	63547
India			4807	India		34616	44502	961*	9980*	18069*	38054*
Israel			4832	Kenya		6609	25277	48157*	68122*	75063*	78656*
Italy			83320*	Pakistan			25225	88782*			
Kenya			94300	South Carolina			54916	Taiwan			57848*
Mexico	42381	94262*		Syria			56326	USSR		58510*	89352*
Mississippi		52837		Texas			6597	USSR	38103*	69492*	73957*
Missouri		14150		Turkey			54881	viability	18821	78688	38054*
Morocco		83318*		USSR		54908	54883*	58510*	89352*		
Nicaragua		32768*		United Arab Republic			34544	situation and outlook		15861	25114
North Carolina		14132		pollen		78258	27989*	25129	25204	34518	34574
Peru		94339*		78851*	89504*	89505*		34587	34596	44470	44496
Southern Rhodesia		42642		pollination		19583	18970*	44513	44527	54820	54874
				47940*	89504*	89505*	100480*				

\*Text of this reference is not in English.

Item				Item				Item			
Cotton--Cont				Cotton--Cont				Cotton--Cont			
situation and outlook--cont				statistics--cont				varieties--cont			
54911	75100	75104	75105	Greece			65360	North Carolina	79240	79241	
107123	107137	6672*	15837*	India	34564	44464	65288	Oklahoma		38805	
38795*				65299				Pakistan	100889	100890	107161
Asia			85615	Italy			96723*	Polynesia			48797
Australia		6676	34510	Venezuela		34633*	65354*	South Carolina			69470
96718				storage	15823	54772	54809	Sudan			90109
Belgium			54808	65296	66430	75074	107175	Tennessee	88638		90095
Brazil		96710*	107170*	Arkansas		15807	15808	Texas			28578
Canada			54880	California			25194	USSR	1545*	1552*	1565*
China			65264	costs			44426	10400*	10411*	19590*	28571*
Colombia			75070*	Mississippi			75120	38809*	48793*	79234*	79246*
France			44516*	pest control			32883*	89655*	99263*	100395*	
Greece		54787	107178*	structures		74256	85566	West Indies			75061
India	15854	34616	34629	structure	6598	25149	25164	Yugoslavia			69489
65326				25180	34514	44506	54824	virus diseases	88881		94278
Italy			25766*	65290	85621	107116	65306*	9207*			
Japan			25217*	65320*	75136*	75137*		waste	20839	44519	85594
Kenya			6609	study and teaching			48770	weed control		881	2065
Mexico			54922	subsidies			56360	49467	78344		
Northern Rhodesia			10404	Sudan			28583	Arkansas		39522	74139
Pakistan			54852	surpluses			25158	chemical	11055	15234	29274
Portugal			54867	testing equipment		34607	34648	39477	70113	90614	90625
South Carolina			54815	65313	65348	75117		90631	90639	90645	90677
Southern Rhodesia			10404	tests		6624	6639	Arizona			70050
Spain	54752	44436*	44489*	34511	34630	44448	44515	Arkansas			49515
Sudan			65346*	54768	54825	54885	54905	California			79335
Texas			44494	65316	65348	75074	107161	Georgia			39570
Turkey		65362	107208	25268*	96717*			Ivory Coast			10992*
Uganda			54782*	textiles	6610	6658	6663	Louisiana	29287		70069
USSR			15835*	15825	25119	25128	25130	Mississippi	59945		79805
United Arab Republic			54814	25132	25164	25193	25207	79837			
soils	11595	29740	70644	25209	25211	25266	34508	Southern States			90654
77692	100224			34524	34526	34601	34614	Tennessee			70048
Alabama			11447	44442	44463	44509	54830	Texas	29195		90746
Arkansas		29889	39522	54832	54846	54851	54856	USSR	29256*		90586*
Colombia			39876*	54861	65265	65267	65281				74141
Great Plains			68928	65295	65302	65352	75071	costs			
India			101964	75139	75141	85559	85568	weed control equipment			2067*
Israel			100303*	85576	85606	85631	96752	29371*			
Louisiana			29287	107145	107159	107169	54759*	weight and measurement			85567
Malagasy Republic			10405*	65270*	75106*	107162*		yarn	6620	6628	6660
Mississippi			20685	thinning			90106*	25261	25273	44508	65247
Northern Rhodesia			90100	trade	8276	25158	27179	75297	75118	75139	85644
Southern States			59292	36191	36231	36282	44460	107186	107206	6672*	65320*
Sudan			90804	46369	56962	57018	57038	yields	2065	11501	14124
USSR	48083*	80115*	80248*	57064	66416	67321	98262	19586	28183	38802	44528
80600*	91316*			98286	98317			48800	59276	69476	70788
spinning	6593	6628	6636	European Economic Community				83182	90108	96746	1271*
6639	15821	25273	34589				36282	19060*	28600*	39994*	48083*
44486	44506	44519	54751	Germany			56988	78653*			
54761	54821	54898	54905	India			36275	Africa			68122*
65269	85644	96726	96743	Netherlands			57064	Arizona			28572
15839*	25267*	34512*	34640*	Syria			57031	Arkansas	38798	48783--	48785
44524*	75157*	107171*		Turkey			107208	59300	68146	79239	
associations			44488	USSR bloc			87613	Australia			90107
Belgium			85561*	transportation	15828	75123		Brazil			105160
Germany			65334*	6640*				Bulgaria	28596*	59270*	89774*
Great Britain			54903	USSR		28115*	90101*	Chad			69487*
Hong Kong			54918	utilization research	6668	25196		China			59272
Mississippi			107174	34545	54784			Georgia	28581	69478	70649
statistics			44428*	conferences and congresses		54791		Great Plains			68928
spinning equipment	25160	25250		varieties	1555	19583	23232	India	1559	2448	10043
44444	44512	54819	54897	23586	23857	28584	28607	10407	15854	20669	28597
65286	75118	96722	25190*	34589	38125	48774	48789	44503	100882	101946	
25258*	34624*	54797*	54895*	48800	69464	73197	97218	Israel			58509
65324*	65340*	65341*	75144*	98262	27241*	78851*	88765*	Louisiana			29949
85583*	85633*	85637*	107199*	Alabama			19581	Mississippi			59277
107204*				Albania			28570*	69473	69474	74088	
Germany			107202*	Arizona			28572	North Carolina	79240		79241
spraying and dusting	42642	105148		Arkansas	10406	48783	48785	Oklahoma			38805
spraying and dusting equipment			15234	Bolivia			69493*	Pakistan			10397
staple length	25261	25273		Brazil			27240a*	research methods			
28579	34538	34648	44503	Bulgaria			59270*	statistical			27725
65249	65327	98262	100093	Central African Republic			69458*	reviews			19591
100889	107186	6654*	65260*	China			48772	Rumania			11673*
65261*	65342*	89774*		Georgia			95848	South Carolina			69470
statistics	15848	25220	34631	Greece	65360	28574*	28575*	Taiwan			59298*
65329	65680	75123	96746	Hawaii			67887	Tennessee		90092	90095
107200	54760*			India	10413	10415	14143	Texas		28578	69468
Argentina			44429*	25186	27754	28601	34566	Turkey			54881
Brazil			25121*	38792	38801	48790	54825	Uganda			28595
Colombia			75070*	59281	59282	69480--	69482	USSR	1113*	2456*	28271*
France	25187*	85638*		79249	100218	105210	48798*	29867*	29870*	38104*	38790*
Great Britain	65330	65331		Mexico		90094	90102*	38804*	47934*	49993*	79234*
65332	65333			Mississippi			59277	79962*	80248*	80394*	80462*
				Missouri			19587	80615*	84621*	90106*	91120*
								97685*	101898*	101927*	108502*
								United Arab Republic			102105

\*Text of this reference is not in English.



Item	Item	Item
Cotton aphid SEE <i>Aphis gossypii</i>	Coumaric acid SEE Hydroxycinnamic acid	Cowpeas
Cotton leafworm SEE <i>Alabama argillacea</i>	Coumarin 92113*	anatomy and physiology 1232 28256
Cottonseed 35211	effects on fungi 27171a	breeding 1989
analysis and composition 7249	effects on nematodes 99686*	canned 34821 65549
16309 26107 26149 35213	effects on peanuts 47826*	culture 20189 49339
54975 55001 55626 97218	effects on peas 89706*	cytology 100041
16299*	effects on seeds 58705	discoloration 65549
chemistry 35204	in <i>Ammi visnaga</i> 28284	disease resistance 27321a 39399
cleaning equipment 26041 55650	in <i>Angelica</i> 38533*	feed 51782
conferences and congresses 35188	in celery 37201*	fertilizers 60535
	in <i>Daphne mezereum</i> 10271*	fungus diseases 8865 18091
contamination 55626	in fruit 75214	9058* 37284*
deterioration 16278	in <i>Glycyrrhiza</i> 89911*	Georgia 44542
directories 96733	in <i>Hydrangea macrophylla</i> 89793	germination 69003*
fat and oil content 35213 16299*	in plants 32265 38520 77760	harvesting 39329
38103* 89414*	89538 78998*	morphology 89186*
feed 3494	in sweetclover 78953 82198	nutritive value 46475
grading and standardization 86310	28208*	pest control 23269
grading and standardization equipment 96716	in white sweetclover 28388 38570*	pest resistance 32809
hulls 22782 86312	rodenticide 37147*	proteins 96802*
in human nutrition 16340	toxicity 28377 82198	seeds 29066
industry 16298	Coumestans 100641	storage 75367*
marketing 16317 34558 65344	Coumestrol 41552	varieties 1989 29066 39399
pests 83300	County agents 7659 53975 56882	46475 79651
prices 44466 75697	67171	virus diseases 27321a 37428
processing 16328 26119 107764	directories 67123	37439 47494 58104 77907
26089* 65985*	education and training 17052	99620 18362* 23202*
conferences and congresses 65979	New York 46212	vitamins 27343
products 16335 35211 97242	Venezuela 56782*	weed control 90661
properties 26044* 107748*	Wisconsin 8147	yields 1232 1989 39329
proteins 16340 26149 55674	Court-noue grapes	Coxiella burnetii 71820 61764*
82783	SEE Fanleaf, grapes	Coxsackie viruses 27340a*
quality 28587 54809	Cover crops 2388 2450 20189	Coyotes 81898 81927
situation and outlook 54783*	47340 49668 80447 100987	Coyup meat 16199*
statistics 16335	Arkansas 70650	Coyup
utilization research 26071	Australia 101029	as laboratory animals 104077
waste 86312 26104	California 79275	breeding 62558 72450
Cottonseed flour	Canada 2446	Canada 22387
Cottonseed meal	costs and returns 97972*	farms and ranches 92856*
analysis and composition 15787	Denmark 101968*	fur production 92849
86268 96684 65993*	diseases 18143	Great Britain 72459
chemistry 34487* 44416*	fungus diseases 18183	housing 96020*
consumption 26025	Germany 21215* 61056*	pregnancy 3927
feed 4081 22090 22537	East Germany 90121*	shearing 92849
62740 82783 103520 13777*	Great Britain 60481	virus diseases 3931
22036* 32263* 41483* 41531*	Ivory Coast 70496*	SEE ALSO names of anatomical parts,
52173* 62730* 82564* 92282*	Kenya 102032	body fluids, diseases and other path-
92283* 103603* 103604*	Malaysia 18847 19642 20317	ological conditions, operations, para-
fertilizer 11568 102055	20582 20613 20645 20695	sites, pests, and products
nutritive value 86268	20701 20780 20781 20783	Crab louse SEE <i>Phthirus pubis</i>
processing 82783 65993*	32787 91181	Crabapples 28070 57977 59593
regulation and inspection 15787	nematodes 88939	Crabgrass SEE <i>Digitaria</i>
96684	New York 101933	Crabro <i>bicinctus</i> 14787
storage 26118*	orchards 929 60334	Crabro <i>monticola</i> 23687
toxicity 41333	Arizona 29808 40066	Crabroborus n g 84095
Cottonseed oil 55661	Australia 80490	Crabroninae 84078 14815*
analysis and composition 45175	California 90721	Crambe 48128
55593 66001 75744*	Canada 49104	Crambe abyssinica 69626
chemistry 7269 55590	Denmark 2403*	anatomy and physiology 10150* 18988*
consumption 26025	Finland 60542*	culture 1648 69629*
drying oil 26006	Japan 49623*	feed 31208*
extraction 22537 107764	Pennsylvania 29714	germination 1086
feed 4075 4084 93105	Philippines 70614	seeds 38159*
in soap manufacture 26107	Republic of South Africa 70615	Crambe abyssinica oil 26098
nutritive value 76876*	USSR 29831* 29832* 97972*	Crambe <i>hispanica</i> 740
processing 7298	Washington 2432	Crambe <i>katschyana</i> 100096*
processing equipment 26094 35159	Pennsylvania 79280	Crambe <i>maritima</i> 29065
products 35199	Poland 50065* 50067*	Crambidae 73796
properties 45153	Red River Basin 80714	Africa 105930
Cottonwood SEE <i>Populus</i>	USSR 79244*	biology 43257 95550
Cottonwood borer SEE <i>Plectrodera scallator</i>	Washington 14172	control 42616 42725
Cottony-cushion scale SEE <i>Icerya purchasi</i>	weed control 29317	ecology 43257
Cottony leak	Coville creosotebush SEE <i>Larrea tridentata</i>	Great Britain 73787 84155
cucumbers 44763	Cow-and-calf plan 3425	Louisiana 23832
Coturnia <i>daynesi</i> 22658*	Cow pox	Malawi 5491
Cotula <i>australis</i> 58231	Poland 62173*	oviposition 95398
Cotyledon <i>striata</i> 36838	rabbits 4301	Puerto Rico 95550
Cotylophoron <i>skrjabini</i> 82834	Rumania 62304*	rearing and breeding 53513
Couchgrass SEE <i>Agropyron repens</i>	treatment 4251	Spain 14847*
Coughing 21920	virus 42283 92375 12967*	taxonomy 5491----5493 84117
Coulometer 54975 106559	Cowania <i>stansburiana</i> 78320	Crambinae 43278
Coulter counter 13094	Cowboys 72351	Crambus <i>angustexon</i> 84117
Coulters 74037*	Cowpea <i>curculio</i> SEE <i>Chalcodermus</i>	Crambus <i>bonifatellus</i> 42725 95398
Coumaphos SEE Bayer 21/199	aeneus	Crambus <i>caliginosellus</i> 43257
	Cowpea weevil SEE <i>Callosobruchus</i>	Crambus <i>coccophthorus</i> 84117
	maculatus	Crambus <i>margaritellus</i> 23874 43274

\*Text of this reference is not in English.

	Item		Item		Item		Item
Crambus myellus group	14879*	Cream--Cont				Credit--Cont	
Crambus radiellus group	14879*	marketing	44314	44316	106949*	Germany	7671* 26466* 45499*
Crambus sperryellus	42725	packed		96604*	--96608*	56085*	56114* 66412* 86635*
Crambus trisetus	42616	pasteurization			96518*	97597*	97610* 108053* 108069*
Cranberries		prices		15717	54626	history	56089 7655* 45492*
color	44598	processing	15734	34380	107034	Hungary	
contamination	25446	24974*	74802*	96518*		Illinois	7662 108097
cooperatives	15969	properties		85281	74802*	India	26487 35422 86654
culture		proteins			74976*	108078	108110*
Canada	8946	quality	3730	34380	15717	Indiana	108077
Massachusetts	10667	85388*				Iowa	45482
Washington	20894	sanitation		85388*	85416*	Italy	35471* 75995* 76002*
Wisconsin	11102	sour			96617*	97604*	
diseases		statistics			106949*	Japan	35485* 35489*
dried	68047	sterilized	44316	74742*	85464*	Korea	
fungus diseases	9005	96604*	96605*	96607*	96608*	legal aspects	75994 97609 26463*
history	25303	Netherlands			96606*	legislation	35475* 56100* 66402*
industry	6707 25305	storage			74976*	76012*	108098*
85670 86681		tests	15612	34333	85298	Maine	35480
irrigation equipment	20894	transportation			74976*	Mexico	45515*
keeping quality		weight and measurement			74901*	Michigan	7676 35472 86628
nematodes	27354a 37535	whipped		74771*	74772*	86662	
77947 77986		Cream separators		84516	95892	Mississippi	26484
Pacific Northwest	25339	95902*	96582*			Missouri	45482
pest control	68047	Creameries SEE Milk plants				mortgage	16576 16578 16584
regulation and inspection	25432*	Creatine		7117	75564*	26468	76008 97634 98075*
situation and outlook	15897	Creatinine	12649*	34002*	92435*	Denmark	26474* 26479*
storage	44725	Credit		7647	7667	Great Britain	75979
subsidies	26731	7860	16539	16577	26476	India	35479 66418
weed control	70079	26489	35474	45487	45495	Indiana	45498
Wisconsin		45500	56112	66405	66408	Japan	80945* 86651*
yields		66422	75982	75993	76010	Michigan	35466
Cranberry juice	44598	76010	76014	88658	97617	Missouri	108123
Crane flies SEE Tipulidae		108085	108109	56087*	86632*	Montana	108112
Cranes	30495	Alaska			108113	Netherlands	56104*
Craniotus blaisdelli	94975	Argentina			108090*	New Jersey	26459
Cranogona	105575*	Australia	7795	16588	45501	Ohio	35460
Crasimorpha infusca	33402	Austria			35477*	Sweden	75989* 86626*
Craspedolepta	5404*	Brazil			97601*	Switzerland	45512*
Craspedophorus	105604*	Canada	56101	86623	108103	statistics	86634
Crassicheles n g	5092*	Ceylon		7583	86631	mutual	
Crassocephalum SEE Gynura		China	66404	66413	66417	Africa	56083*
Crassula	39276*	Colombia			108083	conferences and congresses	67237*
Crassula argentea	39147*	commodity	35490	45508	56110	France	7650* 86633*
Crassula milfordae	59755*	56111	65359	66428	66430	Malagasy Republic	56083*
Crassula picturata	59755*	75985	85972	97616	108118	Nebraska	35470
Crassula portulacea SEE Crassula argentea		conferences and congresses			16580	Netherlands	35465* 45513* 97665*
Crassulaceae	18668 100576	26477	108120	97603*		New Hampshire	45488
Crataegus	9831*	India	16591	26482	26483	New York	108081 108082
biochemistry	69271*	56103				New Zealand	108054
fungus diseases	68099	consumer	7654	45482	45503	Nigeria	86638
morphology	89092*	66424	108124			North Dakota	56133
taxonomy	8712	cooperatives			108094*	Pakistan	26473 56075 56076
USSR	57635*	Austria			108114*	Peru	56088 86648 108122*
vitamins	8353*	Belgium			35463*	policies and programs	7672 7675
Crataegus azarolus	95*	Brazil			56094*	16566	16570 16579 16581
Crataegus oxyacanthae	19329	Denmark		45490*	66421*	16586	26486 26491 26492
Craterellus	26971a	Georgia			26495	26496	26499 35487 45468
Craterosiphon	88368*	Germany	7670*	16574*	66409*	45491	45493 45507 45509
Crates	15997*	86637*				66403	66429 75984 75988
Cratocryptus	64168	India		16593	26482	75991	76007 86644 86647
Cratopus	73609	Indiana			26481	86660	97598 97605 97611
Cream		Japan	86641*	86642*	86646*	108116	108826 56082*
analysis and composition	74770*	86657*	97608*			Africa	75990
bacteria	34333	Kansas			76011	Arizona	97607
bottling	74901*	Mauritius			35486	Australia	97612
care and handling	54663	Netherlands		108091*	108102*	Austria	108064*
care and handling equipment	24962*	North Carolina			26495	Belgium	86640*
chemistry	15739	Poland	66414		86639*	Brazil	86630*
containers	74901* 85416*	South Carolina			26495	Canada	26458
contamination	44328	Sweden	76004*	76005*	86622*	France	7651* 86629*
cooling	74972	86650*				Germany	66407*
cultured	34324	Turkey	45496*	45516*	56086*	East Germany	7674*
defects	107034	United Arab Republic			35468	India	56109
digestibility	106962*	West Virginia			45483	Netherlands	86655*
enzymes	85298	Costa Rica			16567*	New Guinea	56249
fat	106969	costs	7649	16585	66410	Papua	56249
fermented	24804*	Czechoslovakia			76003	Poland	45514 56108 66431
flavor and odor	107034	Denmark		26460*	56107*	66432	75999*
frozen	25032* 85452*	developing areas		16572	75983	Republic of South Africa	7666
bibliographies	15719	El Salvador		7652*	108092*	Rumania	56077
grading and standardization	106969	European Economic Community		45513*	76002*	USSR	56092
homogenized	15739	Finland	16587*	56093*	75981*	Venezuela	26478*
hydrogen-ion concentration	96613	108101*				Vietnam	67260
96570*		France	7687*	16960*	35467*	Yugoslavia	56095
in semen dilution	21963* 21964*	56079*				66427	
						Rumania	26475*

\*Text of this reference is not in English.



Item	Item	Item	Item
Credit--Cont	Crimson clover	Crop insurance	26505 26510
Ryukyu Islands	biochemistry	45524 66450	76028 108151
Scotland	breeding	45521*	
situation and outlook	culture	Canada	66442 76025
35478 45479 45484 45486	genetics	Ceylon	7583
45505 45510 56080 56081	Georgia	cotton	97636
108121 35461*	pest control	fruit	45523
Minnesota	planting	Montana	76032
Nebraska	seeds	Nebraska	76026
statistics	9661 58418 59958	research methods	
study and teaching	10463 28663 100964	statistical	108142*
108095*	virus diseases	Sweden	7689* 16601* 26507*
Sweden	weed control	45527* 56128*	56130* 108147*
35484* 7660* 35473* 35483*	yields	Switzerland	45526*
108111* 75989* 86626* 86652*	Crinkle	USSR	76030*
Switzerland	turnip	Crop losses	11057 4660* 106330*
Tennessee	Crinkle leaf	California	42400
United Arab Republic	cherries	Germany	26992*
Vietnam	citrus	India	105305
Wisconsin	coffee	Kansas	42574
SEE ALSO Banks and banking;	Crinodonna	legal aspects	96240*
Government, aid to agriculture; In-	Crinum	USSR	76030*
debtedness; U S Dept of Agriculture,	Crinum flaccidum	SEE ALSO SUBHEAD losses UNDER	
Commodity Credit Corporation; U S	Crinum macrantherum	specific subject	
Dept of Agriculture, Farmers' Home	Criotacus n g	Crop reporting	84863 96239 96250
Admin; U S Farm Credit Admin; and	Criseocicline SEE Tetracycline	106728	
UNDER names of commodities, indus-	Cristernema n g	Crop rotation SEE Rotation of crops	
tries, and Government agencies	Cristulariella pyramidalis	Crop statistics	24587 54345 106740
Creeping buttercup SEE Ranunculus	Crithidia	Arkansas	106728
repens	Crithidia fasciculata	Australia	34215 44111
Cregya	Critobulus n g	California	64922
Crematogaster SEE Crematogaster	Crocallis tusciana	Canada	15497
Crematosciadium n g	Crocothemis servilia	Connecticut	54348
Crematogaster	Crocus	Germany	54351* 64925* 96241*
Crematogaster scutellaris	Crocus chrysanthus	history	64918
Creolin	Crocus nevadensis	Illinois	54356
Creosote	Crocus sativus	India	15492 26083 45610
effects on Trypodendron lineatum	Crocus tomasianus	Italy	44126*
	Crocus vernus	Minnesota	85064 96239
in wood preservation	Croesia semipurpurana	Netherlands	44125*
51130 51135 71432 81374	Croft lily SEE Liliun longiflorum	North Dakota	96239
91685 27255* 102898*	Cronartium	Pennsylvania	34216
Creontiades	Cronartium asclepiadeum	South Carolina	85067
Crepidiastrum lanceolatum	99435*	South Dakota	96239
SEE Lactuca lanceolata	Cronartium comandrae	Sweden	44136*
Crepis capillaris	Cronartium comptoniae	Switzerland	6253*
Cressonia juglandis	102877	Taiwan	64920 64921
Cresyl violet	Cronartium flaccidum	Tropics	15483
Cribbeaceae	Cronartium fusiforme	USSR	54378 74548
Cribraria	99329 99524	Wisconsin	15507
Cribraria violaceae	Cronartium quercuum	Crop yields	24587 64909 18792*
Crickbat willow SEE Salix alba calva	Cronartium ribicola	59107*	
Crickets	47395 77721 99396	Denmark	54374*
abnormalities	77793*	Germany	97551*
Africa	Crop estimates	East Germany	68030*
age	65640 80142 85051	India	34226
anatomy and physiology	19021*	Indiana	19461 26941
14932 14916* 43228*	California	106735 108057	
development	Canada	64932	
diapause	China	20902	
diseases	France	research methods	
eggs	Germany	statistical	24572 28447
excretion	East Germany	19455* 83956*	
food and host plants	India	situation and outlook	93953
genetics	25243 25540 25541 25762	USSR	70673* 102821*
Great Britain	25763 25764 44115 54400	Cropping SEE Comb and wattles	
habits and behavior	55217 55370 55377 55380	Crops SEE Cash crops; Catch crops;	
hearing	55381 55382 55688 65233	Cover crops; Field crops; Nurse crops;	
hybridization	65299 65643 65656 66014	Root crops; Stubble crops; and names	
Israel	75696 85634 85884 106799	of crops	
North America	107235 107236 107477 107724	Cross-arms	103059
predators	107725	Crossocerus	14815*
populations	India	Crossocerus (Paroxycrabo) n sgen	
rearing and breeding	India	14815*	
respiration	Italy	Crossocerus klapperichi	95284*
sonification	Nebraska	Crossosoma californicum	27529a
23928*	Oklaoma	Crossties SEE Railway ties	
taxonomy	Pakistan	Crotalaria	2384 58230 61887
test insect	Poland	68506 88331	
Turkey	Surinam	Crotalaria intermedia	6928
types	Sweden	Crotalaria juncea SEE Sunn Crotalaria	
Criconema australe	Switzerland	Crotalaria medica genia	19669
Criconema serratum	USSR	Crotalaria quinquefolia	41268*
Criconemoides xenoplax	Venezuela	Crotalaria spectabilis	1595 4119
Crime SEE Penal code; and SUBHEAD	15881* 16069*--16072*	Croton	27644 69914
theft UNDER specific subjects	16168* 16169* 26361* 34633*	Croton oil	45107 97210
Crimean pine SEE Pinus nigra caramani-	44819* 55218* 55692* 65354*	Croton turumiquirensis	100579
ca	85888*--85891* 86049* 86050*	Crotyl bromide SEE Bromo-butene	
	86523* 107203* 107417* 107418*		
	107975*		

\*Text of this reference is not in English.

Item			Item			Item		
Crown blight			Cryptomeria japonica--Cont			Cucumbers--Cont		
cantaloupes		58095	Japan	80906*	80917*	bacterial diseases	432	37396
Crown gall	27267a	9175*	measurement		60984*	47459	27273a*	
37414*			morphology		89212	biochemistry	19319	48583
Althaea rosea	27907	27908	pest control		32907	77824*	78552*	
avocados		77868	wood	30738	21712*	breeding	1962*	90539*
beans		18256*	41038*	41046*	41181*	Arkansas		90489
Dahlia		9180	Cryptomeridiol		71562	Bulgaria		29091*
fruit	9182	47437	Cryptometasternum		73522	Germany	49286*	49298*
grapes		9177	Cryptomonas ovata		28299	USSR	1965*	39388*
plants		100577	Cryptophagidae	5130*	42994*	brined		25376
Rosa		18242	94876*		94267*	coatings		96887
Scorzonera		38044*	Cryptophagus		5130*	consumer preferences		25380*
tobacco		99560	Cryptophagus enormis		94876*	consumption		75227*
tomatoes	18242	47454	Cryptophagus lindbergorum		83905*	costs and returns	69988	7962*
99560			Cryptophilus		5130*	35924*	76422*	
Crown rot			Cryptopleurum subtile		83881*	culture	58908	29055*
cherries		47213	Cryptorchism	61816	3194*	Australia		101439
peanuts		47277	dogs	31536	52054	Belgium	69992*	101368*
Crown rust			horses		104095	California		49370
Avena sterilis		89287	sheep	93643	42122*	Florida		59850
oats	9093	18239	swine	4572*	13865*	France		59900*
37218	38787	77687	Cryptorhynchus lapathi	SEE	63278*	Germany		49286*
Crownvetch Coronilla	30025	79354	tus lapathi			East Germany		49361*
89205			Cryptoripersia		53410	Japan	24179*	29088*
Cruciferae			Cryptospora		57540*	90501*		
biochemistry	10159	49556	Cryptosporiosis SEE Gloeosporium			Lithuania		29040*
breeding	58409	79375	Cryptostephanus vansonii		8717	Netherlands	1945*	19022*
disease resistance		27106a	Cryptostictis		57742	10938*	20206*	59833*
fat and oil content		79375	Cryptotermes havilandi		14946	90526*		90486*
fungus diseases	27106	47347	Crystal violet	13675	37371	North Carolina		1977
77774	27118a*	99366*	Crystal violet vaccine	21899	52571	Rumania	10959*	101409*
morphology		99898*	104810	104911	4535*	USSR	29141*	69945*
pest control			32422*	32487*	91926*	79716*		79663*
Brazil		94303*	Crystallography		27566*	Virginia		101405
chemical	32779*	42637*	Crystallolithus hyalinus		37724	Virgin Islands		69988
105207*			Cryptopodium		10781	cytology		89198*
Netherlands		32779*	Cteipolia		95455	disease resistance	18330	37396
New Jersey		83293	Ctenacrosclis		94997	37830	69948	77719
Poland	73215*	105209*	Ctenacrosclis hansonii		23632	diseases		99351
pests	105181	83337*	Ctenacrosclis leptostylus		23632	enzymes		255
planting		101567	Ctenacrosclis simplicicarsis		23632	fertilizers		99644*
quality		86261	Ctenicera aeripennis		14582	Bulgaria		40078*
seeds	55587	26131*	Ctenicera destructor	14582	94851	Finland		2417*
97225*			Ctenigogus n g		53598*	Florida		60367
USSR		46817*	Ctenium		92	Puerto Rico		60478
weed control	101467	101567	Ctenocephalides felis	32657	32658	USSR		70537*
Cruckshankia	36903	36904	32736			flavor and odor		25440*
Crumenula sororia		99274	Ctenojapyx		73902	for processing	1977	49360
Cryoscopy	6373	15626	Ctenolepisma urbana		14974	69988	74096	29081*
26331*	65079*	73308*	Ctenolophon		26789a	70007*		49298*
Crypecephalinae		53265*	Ctenomyces		67970	fruit set	18854	38261
Cryphalus		105686*	Ctenoneurus		95194	fungus diseases	27096a	37276
Cryphalus (Acryphalus) n sgen		105686*	Ctenoparia topali		95668	57949	18184*	
Cryphalus (Jugocryphalus) n sgen		105686*	Ctenophthalmus	64291	84233	Belgium		18132*
Cryphalus piceae		43012*	95667			Bulgaria		77824*
Crypsithyris		105936	Ctenophthalmus arvernus		84209*	control	429	47416
Cryptantha jonesii		46860	Ctenophthalmus egregius		106149*	99319	99377	99305*
Cryptanthella		57629	Ctenophthalmus grzimeki		95632	Arkansas		99351
Cryptobothria n g		94795	Ctenophthalmus hoogstraali		5633	Bulgaria		37211*
Cryptocephalus		23621	Ctenophthalmus levanticus		53579	Germany		27113a*
Cryptocercata	23763*	84047*	Ctenophthalmus nivalis helvetius		23963	Hungary		88763*
Cryptocercus punctulatus		53546	Ctenophthalmus nobilis		23946	Maryland	371	9065
106082			Ctenophthalmus taiwanus		53590	Netherlands		18072*
Cryptococcosis	13268	31017*	Ctenophthalmus tholatus		5633	New York		88818
92741*	104046*		Ctenosiphonia hypnoides		8808	Sweden		77639*
Cryptococcus fagi	47379	68069*	Ctenostegus		14810*	Delmarva Peninsula		27163a
Cryptococcus neoformans		31017*	Ctenuchidae SEE Euchromiidae			Netherlands		9159*
51601*	62153*		Cubocephalus		64168	Peru		88807*
Cryptocotyle jejunum		31594*	Cucujidae			Poland		27211a*
Cryptodesmidae		105583*	Africa		33103	Sweden	18187*	88797*
Cryptodiaportha		47326*	dissemination	4898	4899	USSR		77672*
Cryptogams	71*	99116*	larvae		5170	genetics	18716	27762
Cryptolabis magnistyla		33160	mortality		53010	37884		
Cryptolaemus		14182	Netherlands		33093*	germination	18793	100348
Cryptolaemus montrouzieri		83441*	Southern Hemisphere		63947	78552*		47959*
Cryptolestes ferrugineus		4899	Cuculicola erythropthalmus		53564	hardiness		78372*
43027			Cucullia		95459*	harvesting equipment	26554	43588
Cryptolestes pusilloides		63947	Cucullia absinthii	23842	43293	74096		
Cryptomeria	30272*	40679*	43304	73802		hybrids	1962*	1965*
Cryptomeria japonica			Cucullia prenatilis		14854*	90539*		
anatomy and physiology		28063	Cucumbers			Bulgaria		29091*
38081*			anatomy and physiology		9420	Michigan		49360
fertilizers		102593*	9851	18330	18809	USSR	4995*	20101*
genetics		102643	18854	38139	58908	irrigation	91246	29958*
growth		102532*	28108*	38456*	48503*	labor		26554
hardiness		81142*	58920*	68872*	68912*	male sterile		18716
hybrids		102703	78372*	78552*	78708*	mechanization		24179*
			99219*	100105*	89357*			

\*Text of this reference is not in English.



	Item			Item			Item	
Cucumbers--Cont			Cucurbitaceae--Cont			Culex pipiens quinquefasciatus--Cont		
morphology	47804	27479a*	anatomy and physiology	99863		control	42511	
nematodes	502 77899	77973	48064*			chemical	73097	73158 42511
peeling		85817*	Angola	8687*		94061	52776*	52777*
pest control		23237	bacterial diseases	77857		Guatemala		52776*
chemical	73225	63589*	culture	101439		Puerto Rico		4772
Great Britain	63669	105180	cytology	78109*		tests	13996	23083 23137
New Jersey		255	diseases	255		42481	94101	23159*
Poland		83493*	fungus diseases	88818		ecology		42511 105794
pests		14114	9141*			Guatemala		52776*
planting	59850	70042	germination	1061*		hosts		23121
29056*	101392*		Malagasy Republic	17714*		insecticide resistance		63427
planting date	2004*	29132*	morphology	651 58338	18596*	73097	104988	52776* 105080*
pollination	4995*	90520*	27560*	48064*	78202*	Japan		5361
prices	75227*	90501*	nematodes		520	larvae		64070
processing	65614	34832*	pest control	255	73225	metamorphosis		33243
pruning	59770*	59886*	pests		14088	parasites		4692
79706*	90530*		pollen	89134	68508*	sterilization		94166
quality	100105*	101392*	propagation		59799*	Culex quinquefasciatus SEE Culex		
refrigeration		96887	seeds		78202*	pipiens quinquefasciatus		
seeds	18793	100348	taxonomy		111	Culex restuans		5285
Hungary		79674*	virus diseases		18337	Culex salinarius		95127
quality		1965*	Cucurbitaceae seed oil		55578	Culex tarsalis		
treatment	78372*	78552*	Cud inoculation		31223*	anatomy and physiology		5354
USSR		4995*	SEE ALSO Rumen, microorganisms,			and disease	4717	4726
viability		47959*	feed			4771	32715	63445 63468
situation and outlook		65429*	Culcitalna achraspora	100435		94146		
soilless culture	29118*	68912*	Culex			breeding places	64077	94078
79712*			abnormalities		43137	California		5354
soils	60474	29040*	anatomy and physiology		95134	Canada		94078
spraying and dusting	23237	105180	and disease	4680	94211	control	4657	13962
77639*			Argentina		33221*	diseases		105798
storage	44763	96887	larvae	64077	73696	feeding habits		23730
varieties	27289a	1946*	Pakistan		14715	insecticide resistance		4657
90520*			parasites		94070	13961	13962	
Belgium		101368*	Culex acharistus		64060*	larvae		64077
Bulgaria	29091*	39365*	Culex atriceps group		53369	parasites	42459	63468
Hungary		79738*	Culex cheni		95132*	Culex tejera		5344*
Maine		69948	Culex clarki SEE Culex nigrescens			Culex tritaeniorhynchus	4680	4714
Netherlands		59826*	Culex (Culex)	73696	64060*	4735	4766	32692
Norway		29114*	Culex fatigans SEE Culex pipiens quin-			reviews		94250
Poland		29081*	quefasciatus			Culex vishnui		4744
Puerto Rico		77973	Culex fuscocephalus			Culicidae SEE Mosquitoes		
USSR		79716*	reviews		94250	Culicinae SEE Mosquitoes		
virus diseases	18304	18330	Culex hortensis		23733*	Culicoides		
18335	27289a	47530	Culex kesseli		53369	Australia		14640
99644*			Culex (Lophoceraomyia)		14700	biology		33233
France		47528*	Culex maxi		64060*	breeding places		95110
Germany		68259*	Culex (Melanoconion)		4693	Denmark		95063
Japan	18317*	99611*	23720*			ecology		43063*
Netherlands		9210*	Culex modestus		43144*	Egypt	33178	33233
transmission	32776	42607	Culex molestus SEE Culex pipiens mo-			habits and behavior		14662
77899			lestus			hosts		64049
yields		90530*	Culex nigrescens		23720*	immature stages		14629
Bulgaria		33910*	Culex nigripalpus			India		5266
Denmark		101392*	and disease	32659	83274	life history		83959
Florida		60367	biology		94069	New Guinea		64049
Great Britain		14114	parasites		95148	populations		83959
Mississippi		70042	rearing and breeding		83216	Sikkim		53325
Norway		28108*	viruses		95130	taxonomy	33178	33233
Puerto Rico		77973	Culex pipiens		53373	95111	43063*	73653*
USSR	1965*	20101*	anatomy and physiology		95123	USSR	83935	83944
70537*		38456*	and disease		32692	Culicoides arakawae		83959
Cucumis	490	28078	biochemistry		33223	Culicoides culiciphagus		64049
27300a*			cytology		5357*	Culicoides ibericus		53317*
Cucumis melo SEE Muskmelons			genetics		33241	Culicoides impunctatus	5225	33187
Cucumis sativus SEE Cucumbers			metabolism		14699	Culicoides mongolensis		105785*
Cucurbita			populations		95123	Culicoides obsoletus		64005*
bacterial diseases	47436	73206	test insect		63371	Culicoides sanguisuga	14027	14629
biochemistry	19291	38511*	viruses		84014	Culicoides schultzei	33178	53324
disease resistance		27756	Culex pipiens berbericus SEE Culex			Culicoides superfulvus		5266
diseases		37055	pipiens molestus			Culicoides variipennis		14009
fungus diseases	19439	57936	Culex pipiens fatigans SEE Culex pi-			Culiseta	14703	64078
99281*			piens quinquefasciatus			73695*		43142*
genetics		27756	Culex pipiens group	43139*	105806*	Culiseta incidens		5356 105790
hybrids	9575	78244	Culex pipiens molestus	33223	33232	Culiseta inornata		4717 95122
morphology		78107	105128			95146	105789	
pests		73206	Culex pipiens pallens			Culiseta melanura	23735	63506
pollination		105880	control	32702*	94145*	Cultivators		
virus diseases		47557	development		95133*	Bulgaria		43555*
weed control		29261	insecticide resistance		105010*	designs and specifications		95839*
Cucurbita ficifolia	27495a*	58597*	105024* 105083*			Germany		43525*
100197*			Japan		5361	Italy		64325*
Cucurbita maxima SEE Winter squash			Culex pipiens pipiens	42507	53372	Japan		84427*
Cucurbita moschata SEE Cushaw			94228			operation	33653	15114*
Cucurbita pepo SEE Pumpkins			Culex pipiens quinquefasciatus			53701*		
Cucurbita texana		8679	and disease	4680	32692	parts	5740*	15119*
Cucurbitaceae		8688	as pests		63459	106264*	106280*	74020*

\*Text of this reference is not in English.

Item				Item				Item			
Cultivators--Cont				Cupressus--Cont				Currant borer SEE <i>Ramosia tipuliformis</i>			
Poland			53692*	planting			80983	Currant bud mite SEE <i>Cecidophyes ribis</i>			
rotary			43553*	wood			21439	Currant juice 75283 6935* 107215*			
Rumania			15105*	Cupressus arizonica	12107		30688	Currant oil 45101			
tests			95799*	61532 91749				Currants			
types	15115	74034	95804*	Cupressus funebris			68495	anatomy and physiology			
106276*				Cupressus lindleyi			30668	78728 37981*	58462*	58898	58949*
USSR	33663*	53700*	64406*	Cupressus lusitanica	40662		88285*	89528*	100398*		
74030*	74042*	74062*	84428*	Cupressus nevadensis SEE Cupressus				breeding	28924	79514*	79519*
95703*	95813*	95818*	95824*	arizonica				costs and returns			66933*
Cultroribatula			94678	Cupressus sempervirens			27380a*	culture	1809*	10678*	40129*
Culture	46108	98021	108647	68524* 102620*				101218* 101223*			
36110*	56187*	76565*		Curculio	23044*		94359*	disease resistance			94407*
Bolivia			98096	Curculio elephas			94475*	diseases			77599*
Brazil			87363*	Curculio nucum	23044*		94359*	fertilizers			91037*
Central America			27052*	Curculionidae				flavor and odor			75278
China			56739	Africa			73609*	fungus diseases			37181*
Costa Rica			36036	anatomy and physiology			14534	control	27112a	27095a*	77809*
Ecuador			56735	33126 53262	83886		94857	Germany			77793*
Finland			46075	43033* 105648*				Norway			88720*
Ghana			66994	as pests			23603*	Poland			27093a*
history			66269*	Belgium			14574*	genetics		27706	58462*
India	67081		76491	biology	5177	5200	94850	hardiness			79519*
Indonesia	46090		87376	83885* 105683*				harvesting		56228*	66537*
Iran			27050	Brazil	5169*		43008*	harvesting equipment	28924		95837*
Japan			76491	Bulgaria			5207*	106314*			
Kentucky			56728	Central America			94830	industry			87643
Latin America			17015	collecting			63965*	labor			66537*
Libyan Desert			66553*	control	14126	42686	42748	marketing			107281*
Marshall Islands			77229	cytology			33126	morphology		9441	27653
Mexico	66343	67077	98099	development			83521	pest control	42711	83463	83472
98100	17014*	87365*		ecology	14172		94881*	chemical	73251*	83444*	94389*
New York			75445	Ethiopia			33129*	94390* 105310*			
North Dakota			36037	food and host plants	14172		14574*	Germany			77599*
Peru	27051		56736	42729* 42761*				Great Britain			83406
South Dakota			36037	geographic distribution			33091	Sweden			32814*
Switzerland			17017*	63978 83833*				USSR			83435*
Tanganyika			76564	Germany			83914*	Washington			73274
Trinidad	27049		67085	Great Britain	5158	5185	33105	pest resistance		83471	94407*
Washington			36176	33114 33115		73577		pests			
SEE ALSO UNDER Indians				habits and behavior			5169*	Germany			83457*
Culture media	887	5125	9642	Hungary			94809*	Great Britain		32855	83469
11327	13915	19080	19233	larvae			14125	83470			
23845	26765a	27907	43903	life history			83813	Poland			23301*
48180	48181	48484	51508	Madeira Islands			83882*	USSR		73257*	94407*
54532	58697	61719	62323	Marquesas Islands			94992	physiological diseases			9853*
63468	68588	70366	78492	Near East	63978		105636*	planting		90350*	101235*
78493	81810	83980	88114	Netherlands			94941*	pollination		27653	39099*
92068	100311	10083*	38554*	nomenclature			94807	processing			6848*
44964*	47957*	58284*	89567*	North America		5168	94830	propagation		10680*	19878*
93294*	103177*			94893 94987		94993		by cuttings		83435*	88882*
reviews			67731	nutrition			83521	90344*	90348*	90353*	90360*
SEE ALSO UNDER kinds of culture				Ohio			5200	90366*			
media				outbreaks			23295*	pruning	59618	59623	28918*
Cumainocloidus cordillerae			73854	parasites	63978		105890	28919*	39083*		
Cumarin SEE Coumarin				phylogeny			43033*	rootstocks		88882*	90350*
Cumene			77681	populations			53277*	soils		42892	101235*
Cuminum cyminum			89192	rearing and breeding	43043		83842	spraying and dusting		27112	83463
Cunninghamella	19134		38292	Scandinavia			23614	77599*			
89602 89672				South America			53293	spraying and dusting equipment			8966
Cunninghamella bertholletiae			27607a	Spain			105637*	thinning			10663*
Cunninghamella echinulata			27607a	taxonomy	53270	94849*	94881*	trade			87643
100672				USSR	14571*		73303*	France		87689*	98260*
Cunninghamia			102771	Curculionoidea			43035	varieties			
Cunninghamia lanceolata			48020	Curcuma	68195		101622	Austria			101223*
anatomy and physiology			28029	Curcuma amada			59016	Finland		1809*	79508*
fungus diseases			99300*	Curcuma zedoaria			60038	Germany	39074*	66537*	101218*
growth			102532*	Curcumin	24828		101696	Great Britain			59635
measurement			60984*	Curds				Netherlands		19877*	39094*
pulpwood			81502*	analysis and composition			44296	83444*			
Cupes concolor			105669	contamination			74932*	Poland			69791*
Cuphea	17660		88311	fat		96631*	96572*	Sweden			32814*
Cuphea oil			66025	manufacture			34445*	USSR	6848	94407	101236*
Cupido minimus			106041	marketing			44355*	virus diseases		32855	83469
Cuprammonium compounds SEE				processing	54640	25009*	74932*	83470 83471	88882*		
Copper-ammonia cellulose				96557* 96559*		96572*	96631*	vitamins			98403*
Cupressaceae	18635*		98951*	Germany			85454*	weed control		70151	29281*
Cupressales			48594	Netherlands			96558*	yields			10663*
Cupressobium juniperinum			43159*	processing equipment	74921*		74938*	Curuzza SEE Bireta (Curuzza)			
Cupressocypariss leylandi			40659	properties		6399*	44366*	Curvularia	37019		46977*
Cupressus	153		98883	quality	34377*		74938*	Curvularia lunata			67968
anatomy and physiology			9376	therapeutic use			92566*	Curvularia spicifera			27213
9493				Curly top				Curvularia tuberculata			57998
Australia			61127	beets			14139*	Curvularia verruciformis			184
culture	61020		61085	cantaloupes			42597	Curvusporium n g			46977*
diseases			57824	sugar beets	9196	14112	52852	Cuscuta			11063
measurement			71089	73193 94282				anatomy and physiology			90623*
pests			95338	tomatoes			14135	Bulgaria			101542*

\*Text of this reference is not in English.



Item				Item				Item			
Cuscuta--Cont				Cyanocyt n g	37689			Cycloheximide SEE Actidione			
control	66169*			Cyanoethylation	61564*			Cyclones SEE Hurricanes			
chemical	20309*			Cyanogens	78914*			N-Cyclooctyl-dimethylurea	49452*		
Hungary	20255*	20267*	49442*	Cyanoguanidine	38355	90943		Cyclopentadienes	23095*		
55765*	90621*	90629*	90655*	Cyanomethylmercuriguanidine	55738			Cyclophosphamide SEE Endoxan			
Oregon			49520	Cyanophanon mirabile	88484*			Cyclopropene	7250	26084	55590
USSR			29283*	Cyanophora paradoxa	37689			Cyclopropenoids			66001
cytology			99933*	Cyanophyceae	8811*			Cyclorrhapha			5336
germination	37930			anatomy and physiology	9378*	48366*		Cycloserine SEE D-4-Amino-3-isoxa-			
morphology	99955*			Antilles	57692			zolidone			
Sweden	90735*			Argentina	17852*			Cyclosorus	17818	68529	
taxonomy	99955*			cultures	17851*			Cyclosorus molliasculus		58272	
Cuscuta campestris	68427			Germany				Cyclosporeae		27588a*	
Cuscuta epithymum	38525*			East Germany	72644*			Cyclotella meneghiniana		48169	
Cuscuta gronovi	49499*			in soils	39806*			Cycnoches		10761	
Cuscuta japonica	48635*			India	17856	88496		Cycnoches cooperi		29011	
Cuscuta lupuliformis	39553*			Jamaica	17844			Cycnoches pentadactylon		36925	
Cuscuta reflexa	28184	28337	28389	Cyanophyta	101808	70398*		Cycocel SEE (2-Chloroethyl) trimethyl-			
59084	78807	101522		Cyanopsis serrata	27521a			ammonium chloride			
Cuscuta sojagena			33022*	Cyanopsis tetragonoloba SEE Guar				Cydia molesta SEE Grapholitha molesta			
Cuscuta subinclusa			37485	Cyamuric acid	104592			Cydia pomonella SEE Carpocapsa pomon-			
Cuscutaceae			36822	Cyathea	57669			nella			
Cushaw				Cyathus	47765			Cydistomyia maior		53345	
biochemistry			1387	Cyathus stercoreus	47764			Cydnaeae	73701*	95266*	
cytology			68538*	Cybernetics	22854	27399a*	76922*	Cydonia oblonga SEE Quinces			
hybrids			9575	105016*	105514*			Cygniterra		33448	
morphology		651	58264	Cybocephalidae		94854*		Cygon SEE Dimethoate			
Republic of South Africa			101443	Cybocephalus		94854*		Cylindrium		67961*	
Cushing's syndrome			3910	Cycadaceae	37742	39578	78863	Cylindrocapsa scytonemoides		58223	
Cushion gall				27492a*				Cylindrocapsaceae		99033*	
cacao	359	77493	358*	Cycadales			68572*	Cylindrocarpon		27227a*	
Custard apples	638	58810	99467	Cycas	9424*		89184*	Cylindrocarpon radiculicola		88814	
Customs unions	7573	8232	36189	Cycas circinalis	1380	17216	58324	37341* 37343* 99534*			
76745	87652	108861	57016*	Cycas media			27492a*	Cylindrocarpon tonkinensis		107375	
Asia			17134	Cycas pectinata			27492a*	Cylindrocycladium scoparium		18076	
Australia			46354	Cycas revoluta	27627a		89118*	88715			
Belgium			8286*	Cycas rumphii			17913	Cylindrocycladium simplex		17916	
Europe	67361	7536*	16495*	Cychrotonus			73609*	Cylindronotus convexus		83906*	
26345*	36237*	55985*		Cychrus caraboides			5175*	Cylindrosporium	8844	379*	
Latin America		17185	35428*	Cyclamen				Cylindrosporium hiemalis	27198*	47314*	
97669*				anatomy and physiology		10056*		68118* 99327* 99428*			
Luxembourg			8286*	99978*				Cylindrosporium padi		27116a*	
New Zealand			46354	breeding	101305*	101322*		Cylindrothorax		94892*	
USSR bloc			8258	costs and returns	56573*	56575*		Cylindrotoma		94996	
Cuterebra	64046		93554	culture		101291*		Cylisticus convexus		5090	
Cuterebra angustifrons			83989	Denmark		69864*		Cymatia		64101	
Cuterebra latifrons			53311	Germany		101322*		Cymatia jaxartensis		64101	
Cuterebridae	53311	83989	105700	Hungary		59713*		Cymbella		88469	
Cuticle				Japan		28957*		Cymbidium			
arthropods	106111	73519*		Poland		39262*		breeding		101306	
Bombyx mori			42837*	fertilizers	29674*	80424*		culture	10776	28971	39207
Calliphora vicina			64023	fungus diseases	88814	27227a*		59692			
Campodeidae			95600*	37343* 47417*	68165*			Australia	10753	10788	10806
Decticus verrucivorus			95575	genetics		101305*		10837	39141		
Diptera			64026	history		101291*		California		20008	49196
Drosicha stebbingi			23739	labor		56175*		cytology			27567a
Galleria mellonella			106103*	pest control		32870*		hybrids	10747	39197	49253
Gryllus bimaculatus			106078*	seeds		56575*		69843 101327			
Hymenoptera			14799	taxonomy		88382*		injuries			18902
insects			73479*	varieties	39281*	69864*		physiological diseases			10086
reviews			53151	Cyclamen alpinum		36931		planting			79571
Locusta migratoria	63470*		106078*	Cyclamen creticum		67882		taxonomy			49253
Myriapoda			33069	Cyclamen indicum				varieties	39208	59703	101327
Orthoptera			43312	anatomy and physiology		48265*		Australia	10779	10847	10866
Pèriplaneta americana	32886		33459	48415* 89609*	100360*			virus diseases		58082	27302a*
Phormia terraenovae			43096	biochemistry		10161*		Cymbidium grandiflorum			28962
Podura aquatica	5625	14975		breeding	69874*	89125*		Cymbidium iridifolium			57569
43376				culture		48265*		Cymbidium madidum			57569
Schistocerca gregaria			73878*	diseases		89232*		Cymbopogon			17644
Tettigoniidae			95575	fungus diseases	99488*	99533*		Cymbopogon citratus			10027
Thermobia domestica			106111	99534*				Cymbopogon coloratus			7566
Tribolium destructor			94925*	male-sterile		69874*		Cymbopogon jwarancusa wax			97180
Cutit	1288	48549		morphology	78081*	89125*		Cymbopogon nardus	10027	35739	
Cuttings SEE SUBHEAD propagation,				Cyclamen mite SEE Steneotarsonemus				p-Cymene	77681	78957*	
by cuttings UNDER Plants and names and				pallidus				Cymindis		94887*	
classes of plants				Cyclamen persicum SEE Cyclamen indi-				Cymodusa orientalis		73766	
Cutuza SEE Bireta (Cutuza)				cum				Cymopterus watsoni		72797	
Cutworms	83319	32750*		Cyclamen purpurascens		77380*		Cynanchum		36796*	
Cyanacethydrizide			41611*	Cyclanthera pedata		68450*		Cynanchum vincetoxicum		99435*	
Cyanamid SEE Calcium cyanamide				Cyclic compounds	16284	35169		Cynareae	8658*	27456*	
Cyanamide	1097----	1099	884*	55653				Cynipidae			
69026*				Cyclitols		19386		as pests		53025*	
Cyanein			27824	Cyclocephala		94853*		Finland		64148*	
Cyanic acid			19365	Cyclocephala immaculata		23096		food and host plants		23800*	
Cyanides	1382	48574	53306	Cycloconium oleaginum	18116*	27084a*		Middle Western States		33298	
78586	83745	103707		77730* 99491*				parasites		33294	
Cyanins	19388	48585	59054	Cyclodiene insecticides	4643	63654		populations		84088	
beta-Cyano-L-alanine			22508	Cyclodinus		94828*		Rumania		43208*	
								USSR		5481*	

\*Text of this reference is not in English.

	Item		Item		Item
Cynipinae	95299	Cyperus rotundus		Cyta	53187*
Cynipoidea		anatomy and physiology	9790 20303	Cytidine	396
as parasites	43192*	9900*		Cytisine	58990*
Micronesia	73783	control	20288 39434	Cytisus	98880* 100607*
Polynesia	23814	Australia		Cytisus austriacus	68459*
Rumania	43209	biological	73116	Cytisus laburnum SEE Laburnum ana-	
USSR	73741*	chemical	29364*	gyroides	
Cynips caricae	64142	India	20303	Cytisus proteus	36924*
Cynodon	70147*	Ivory Coast		Cytisus scoparius	14657 33290
Cynodon dactylon	10834	Taiwan		101487*	
analysis and composition	85555	germination		Cytochrome c	38615 45027
anatomy and physiology	27810	Cyphanta		Cytochrome oxidase	14694 3406*
48280	60500	Cyphellopus		48510* 78893*	99644*
38015*		Cypholoba		Cytochromes	1300 1447 9844
control	49481	Cypholobini		10202 10208	10280 14694
costs and returns	45883	Cyphomandra		19280 19349	28325 59018
culture	10439	Cyphostemma	36797*	89904 103218	
Alabama	79596	Cyphostethus tristriatus		in animals	3990
Arizona	101271	Cyphoxycopa SEE Xylocopa (Cyphoxy-		in Apis mellifera	23438
Georgia	28654	locopa)		in Musca domestica	23714
North Carolina	79263	Cypress SEE Cupressus		Cytology	67500 89156 109033
South Carolina	19661	Cyprex SEE Dodecyl-guanidine		conferences and congresses	63821
Southern States	90122	Cypridioidea		reviews	9444 76911
Texas	13209	Cypridium	10825 10889 39320	study and teaching	83728
digestibility	1576	49275 46923*		SEE ALSO Cells; Chromosomes;	
diseases	47079	Cypridium calceolus	17737*	Genetics; Meiosis; Mitosis; and	
feed	22105	Cypridium guttatum		UNDER Insects and names and	
fertilizers	1576	Cypridium macranthum		classes of insects; Livestock	
Arizona	29814	Cypridium philippinense		and names of animals; Plants	
Arkansas	101976	Cypridium reginae		and names and classes of	
Georgia	60533	Cyprotides n g	106053*	plants	
Louisiana	29682	Cypselidae SEE Sphaeroceridae		Cytopathogenic equine orphan virus	92905
Mississippi	102055	Cyrus	64272	Cytoplasm SEE Protoplasm	
Oklahoma	60500	Cyrtacanthacridinae	95579—95581	Cytophoma SEE Cytophoma	
Texas	51778	Cyrtanthus	54 8770	Cytospora	
101493	80389	Cyrtarachne	14478	cherries	47300
fungus diseases	68129	Cyrtolabus	84105	fruit	361
99671 88850*		Cyrtolaelaps	94772	peaches	47300 77704*
harvesting	1576	Cyrtomium falcatum	20057 58366	Cytospora chrysosperma	99333 99372
hay	12869 19661 31234	Cyrtomium rochfordianum compactum		Cytospora leucostoma SEE Valsa leu-	
82099 82789 103100		SEE Cyrtomium falcatum		costoma	
injuries	8895	Cyrtopeltis tenuis	83481*	Cytospora pruinosa	88690
irrigation	51778	Cyrtorhysa n g	53424	Cytospora sacchari	88712 47249*
nematodes	99671	Cystathionine	1438	Cytosporella	99464*
nutritive value	3435 19661	Cysteic acid	85652*	Cytosporina	
41525 61642 103529		Cysteine	9622 9488* 48521*	apricots	27125a
pest control	23183 32868	48605* 85564*			
pest resistance	32869	D-Cysteinolic acid	19335		
pests	42582	Cysteochila	95183		
planting	10812	Cystic fibrosis	21935		
processing	45883	Cysticercosis SEE Hydatidosis			
proteins	1576	Cysticercus bovis	72175 82195		
seeds	26220	55520* 65888* 92434*			
soils	27810	reviews	22211*		
Southern States	48841	Cysticercus cellulosa	75657 86249		
varieties	29814 32869	Cysticercus inermis	75622* 103703*		
61642	60500	reviews	3611*		
weed control	11013 29219	Cystidiophorus n g	57708*		
90608 101493	60500	Cystine			
yields	1576	effects on Bombyx mori	83719*		
Cynodon plectostachyus	28349	effects on plants	78629*		
Cynoglossum	67863*	in dog physiology	13308		
Cynoglossum officinale	37475*	in fibers	25162 34621		
Cynometra	88272	in food	74322*		
Cynosurus cristatus	39776	in milk	85290		
Cynthia moth SEE Samia cynthia		in poultry physiology	42001		
Cyperaceae		in soils	49755		
Africa	8737*	in urine	52059 72434		
Brazil	36805	in wool	25279 85564*		
California	46859	Cystine reductase	59022*		
ecology	47648*	Cystitis	3835		
germination	9952*	Cystodinium	88459*		
India	77416	Cystogonopus n g	83768*		
Malaysia	57587	Cystoliths	47761*		
taxonomy	98941	Cystophora	99045		
Cyperus	88254	Cystophyllum caespitosum	67928		
Cyperus capitatus	88391*	Cystopteris dickieana	46942*		
Cyperus esculentus	98957	Cystopteris fragilis	18568 46942*		
anatomy and physiology	58897*	Cystoseira	89119*		
58897*		Cystosphaera	691		
control	29201 39434	Cysts			
culture	101620*	cats	3900		
germination	58897*	cattle	51886* 82274*		
products	6277*	dogs	62509 72377		
starches	25340	72389 82379	82404 3887*		
Cyperus glomeratus	9479*	41738*			
Cyperus iwasakii	9479*	goats	13686*		
Cyperus papyrus	26897a 83490	sheep	72808		
	90955	SEE ALSO types of cysts			

\*Text of this reference is not in English.



Item				Item				Item			
Dactylis--Cont				Daghestan sweetclover				Dairy cattle--Cont			
soils			99809	Dahlbominus fuliginosus	53456	101920*		Australia			96388*
varieties	90199	38812*	101018*	94482*		105907		breeding	12818	41448	41466
yields	2385	69562	91082	Dahlbominus fuscipennis	105893	105894		61986	62005	62017	62035
Dactylis aschersoniana			46908*	Dahlia				71918	71930	81967	81990
Dactylis glomerata			19175*	anatomy and physiology		78434*		103418	103472	12779*	
anatomy and physiology			27860	Argentina		20093*		Australia	51665	51676	92244
47985	48417	58502	58674	associations		10809		92185*			
58806	68819	78407	78743	bacterial diseases		9180		Austria			82011*
882*	100269*			biochemistry		28326		Brazil		12776*	12782*
culture			59374	breeding		10794		Canada			3369
cytology			47744	culture	59687	10786*		China			41444
fertilizers	19636	50011	68819	Canada		69890		conferences and congresses			62038
69567	100269	102023*		Great Britain	10734	10739		costs			62041*
France			69578*	10794	49230	69851		Denmark			41431*
fungus diseases			37388	Indiana		79585		effects of feeding	82059		31210*
genetics	58403	89308	825*	Lithuania		28988*		82069*	103577*		
germination			9864	New Zealand		10890		France			31091*
harvesting	58674	58806	69567	Norway		90382*		Germany			12806*
planting			19636	Scotland		10723		Hungary			92186*
planting date			58502	diseases		99212		hybridization		3410	41476
proteins			47985	fertilizers		11550		71976	92148	92246	
seeds		19636	60481	fungus diseases		47349*		Brazil			71901*
taxonomy			46908*	Great Britain	10725	10731		Denmark			51657*
varieties		59319	19613*	propagation				Germany			62000*
virus diseases		18290	68294	by cuttings	10793	49153		East Germany	12815*	103464*	
yields	50011	59319	69567	soils		11550		Hungary			3371*
19613*				varieties	10732	59688*		India			61946
Dactylispa	73572	23624*	105618*	District of Columbia		59739		India			82002
Dactylum dendroides			8860	Germany	46783*	79608*		Pennsylvania			81949*
Dactylochelifer			105548*	Great Britain	10733	49187		USSR			71956*
Dactylocladus stenostachys			58066	Japan		49212		inbreeding		12792	81930
Dactyloctenium aegyptium			18511	Netherlands		49220		Israel			12835
Dactylopiidae	53397	84046	105841	virus diseases	465	9205		Italy			3349*
105842	43147*			37458	47486	99642		Japan	31093*	31138*	31144*
Dactylopius			38797*	Dailognatha		63955*		41432*	92219*		
Dactylopius coccus			93986*	Dairies SEE Milk plants				Kenya			103910
Dactylorchis			144*	construction	84673	15295*		Netherlands			92248*
Dactylorchis ericetorum			88416	Denmark		53908*		New York			31136
Dactylosphaera vitifolii SEE Phylloxera				Germany		106462*		New Zealand			92145*
vitifoliae				East Germany		53948*		Norway		62032*	103457*
Dactynotinae			95251	Japan	33869*	33873*		Republic of South Africa			12790*
Dactynotus			23760	64620*				Rumania			62002*
Dactynotus ambrosiae	105164	105248		Minnesota		43747		Sardinia		103465*	103466*
Dactynotus cichorii		14754*		Netherlands		106453*		seasonal	3374	3421	62464*
Dactynotus hypochoeridis			73735	Norway		84684*		103496*			
Dactynotus jaceae			14754*	Tropics		24214		Southeast Asia			71920
Dacus			14654	costs		5902*		Sweden	51631*	61989*	81979*
Dacus cucurbitae		5227	5341	Denmark		53965*		USSR			103467*
14212	14655	105730*		designs and specifications		24259		care	71894	41546	41604
Dacus dorsalis	5227	5341	23318	33881	53952	53946*		103450	72119	72356	82351
32825	95096	105730*		Germany		53969*		13185*	13185*	22296*	62433*
Dacus oleae				Norway		43766*		92624*			
anatomy and physiology			14647*	Poland		24260*		Australia	3737----	3739	62453
biology			52962*	equipment		5658*		Brazil		13207*	72355*
collecting			23325	Czechoslovakia		66509*		Canada			103932
control				Denmark		106202*		Chile			71905*
biological	14197*	23310*	32837*	Iceland		64384*		France			82184*
42668*	83441*	83442*	105251*	Netherlands		106453*		Germany	62458*	62461*	82352*
chemical	52965	42581*	52962*	Norway		41719*		92636*			
94376*				Sweden		24058*		East Germany		3776*	31514*
Greece			23320	Germany	15338*	53925*		Great Britain		51721	62454
Italy	14197*	23334*	32837*	humidity		5894		72329			
42703*				insulation		43762*		Hawaii			62447
Libya			4845*	Italy		95981*		Italy		44348*	103913*
Spain	4860*		32818*	Japan		64607*		Japan			31526*
cytology	43081	105698		Netherlands	5893*	53936*		Kenya			72352
dissemination	23321	105753	105751*	New Jersey	14016	23142		Louisiana			92631
ecology			52962*	New York		5930		Mississippi			41710
enzymes			14647*	remodeling		24250*		New Hampshire			22290
genetics	43081		43081	sanitation	24216	106432*		Norway			62436*
habits and behavior			23327	Sweden		64622*		Sweden	13201*	31341*	31496*
nutrition		105721		temperature	53930*	106455*		41722*			
parasites	14181*	53431*	84094*	types		64612*		Tropics			13205*
predators			83436*	Argentina		95980*		USSR			82310*
rearing and breeding			105721	Czechoslovakia		64606*		costs and returns			
sterilization			105773	Germany		64600*		Australia			7935
tagging		105753	105751*	Norway		22296*		Colombia			76437*
Dacus tryoni			55071	Sweden	3561*	5902*		Germany	56220*	87181*	92643*
control			23353	ventilation	24219	43748		East Germany			108541*
development		5223	83915	Dairy cattle		51962		Great Britain		35881	97803
embryos			53300	adaptation	3368	3403*		New York			76413
larvae			83915	anatomy and physiology		12792		Norway			62464*
populations			5322	22072	22218	31389*		Sweden		72331*	76428*
Dacyscypa calycina			37247	51682*	92295*	103880*		Utah			45920
Daedalacanthus SEE Eranthemum				associations	51961	62457	71897	Washington			97992
Daedalea unicolor	739		64166	81971	103432	81934*		culling	3757	35881	76413
Daffodil SEE Narcissus								92664	92672	3766*	22283*

\*Text of this reference is not in English.

	Item			Item			Item	
Dairy cattle--Cont			Dairy cattle--Cont			Dairy cattle--Cont		
Denmark		71959*	feeding and nutrition--cont			housing--cont		
drying off	31385	3556*	pasture--cont			Great Britain	15283	24229
Ecuador		92615*	Germany	62085*	69500*	Hungary	24218*	53915*
feed relationships	3477	12889	72051*	103945*		Indiana		53949
22119	41500	31519*	East Germany	82092*	103605*	Italy		64592*
feeding and nutrition	3471	3473	Great Britain	3454	22044	Japan	33862*	33869*
3474	3555	12882	31160	62064	97803	Latvia		24253*
15584	22046	22055	India		92331	New York		33865
22076	22091	22092	Indiana		72102	New Zealand		33841
22105	22124	22190	Ireland		22128	Northern Ireland	24233	52000
31172	41512	41514	Kenya	12927	51743	Poland		24260*
41529	41532	41546	Louisiana		12907	sanitation	53973	84653
62099	71994	72061	Mississippi	72055	103529	84658	31496*	
72082	72115	72118	Nebraska		31216	Scotland		84698
82041	82067	82093	Netherlands	11457*	12881*	situation and outlook		53921
92358	92372	103593	22067*	82049*			53944	
3446*	3453*	12873*	New Zealand	12900	41550	ventilation	84651	5912*
12910*	22100*	22111*	103561			India		85217
41482*	41483*	41531*	Norway	12961*	51763*	Italy		51630*
62079*	72050*	82070*	62095*	62436*	103591*	Japan	35810*	92657*
92374*			Scotland	69566	72032	labor		
Australia	12916	51676	72044	90140	91149	Australia		56218
92324			Sweden	41505*	72045*	Denmark		97673*
Bulgaria		51792*	USSR		22043*	Germany	56182*	86706*
Colombia		76437*	Wisconsin		72121	Sweden	24058*	76408*
costs	22051	82080	Pennsylvania		72047	USSR		76052*
103571			Poland	31155*	31157*	losses	3757	72233
Alabama		31151	82053*	82054*		Louisiana	25902	13203
Australia		72114	recent developments		51714	marketing	25902	31261*
Georgia		45883	51750	51774	41557*	41689*		
Germany			Republic of South Africa		3491	meat production	26904	62428
East Germany		108541*	research methods			71899		
Hawaii		31199	statistical	3477	103573	effects of breeding		12828
Japan		92355*	41481*			51643	62009	21974*
Netherlands		82068*	reviews		22049*	effects of feeding		51765*
Northeastern States		3510	Rumania		72008	Italy	13186*	31076*
Texas		41493	Scotland		72008	New Zealand		31498
Czechoslovakia		25055*	seasonal	82028	12895*	Sweden	31094*	82324*
deficiencies		31404*	41523*	62137*	72035*	3642	3678	
62388*	62412*	103549*	103531*			milk production		
Denmark	51697*	51700*	Arkansas		103558	12874	31451	31505
51708*	51710*	51751*	Australia	3506	72119	51900	62016	62450
62108*	92296*		Brazil		41484*	82312	82327	82344
Estonia	72079*	72080*	Denmark		22078*	3735*	12929*	22248*
Florida	34474	41558	Estonia	72077*	72078*	31384*	31504*	92647*
Georgia		3435	Germany		92353*	Australia	22307	51987
Germany	51729*	51776*	East Germany		31184*	82334		
82138*	86706*	92342*	Great Britain		51721	Denmark		92645*
East Germany	3462*	31183*	Japan		92355*	effects of age	62056	103789
31186*			Missouri		62122	92431*		
Great Britain	12880	72063	Netherlands		22062*	effects of breeding		3346
72104			62083*	62107*	92277*	12794	12801	12818
reviews		31224	Norway	62091*	92338*	41433	51995	61945
Hawaii		62143	103525*	103602*		61996	62018	62024
India		22096	Poland		92287*	62044	62048	74758
Italy	22054*	31200*	Scotland		51758	85338	92246	103453
Japan	51805	31189*	Sweden		22066*	3404*	22026*	41458*
34484*	92334*	31221*	31175*	51749*	51783*	71900*	92264*	
Latvia		31161*	51790*	71984*	72027*	Arkansas		12827
Lithuania		3476*	72067*	82066*	82071*	Austria		103514*
Michigan		103528	South Carolina		82099	Belgium		12814*
Minnesota	62149	72117	South Dakota		82133	Brazil	71889*	71965*
Mississippi		72003	study and teaching	31146	41491*	Chile		71890*
Netherlands	3432*	22110*	Sweden	3459*	3500*	Denmark		3360*
41503*	62092*	82047*	62087*	62105*	103607*	Estonia		71956*
New Hampshire	22290	31182	Switzerland		31156*	Germany	41428*	61966*
41511			Tropics		13205*	62000*	92177*	
New Mexico		41529	USSR	3423*	72012*	East Germany		12846*
New Zealand		92304	Utah		31220	Great Britain	41407	62434
North Carolina	31206	82035	Washington		108538	Hungary	71921*	92182*
North Dakota		41504	feeding and nutrition equipment		53677	103452*		
Northern Ireland		12906	84652	5718*	95765*	India	22141	61946
Norway	41719*	103595*	Great Britain		95775*	Italy	3355*	51669*
Pakistan		103560	growth		103476*	Netherlands		62001*
pasture	3441	3442	herd size	7875	103909	New York		61959
41517	41534	51781	22283*	22306*	62441*	New Zealand		12836
82137	92330	92578	housing	53981	106435	Northern Ireland		22033
41714*	92323*	3725*	advisory services	53917	53923	Norway		66950*
Africa		51755	53975			Poland		61991*
Argentina		22060*	conferences and congresses		53956	Rumania	51682*	103476*
Australia	11747	12887	construction		95984*	Sweden	54633*	62031*
20877	51782	92325	costs	53919	84697	Switzerland		41475*
103518			Czechoslovakia		53924*	Texas		22013
Canada		3450	designs and specifications		15281	USSR	22030*	71886*
Denmark	51707*	82033*	53913			103448*		81949*
Florida		2547	Germany	5901*	15285*	effects of disease	3560	3586
France	3468*	31166*	East Germany	31514*	84680*	22197	22198	24870
			95997*			41616	62182	72203

\*Text of this reference is not in English.



Item			Item			Item		
Dairy cattle--Cont			Dairy cattle--Cont			Dairy cattle--Cont		
milk production--cont			milk production--cont			selection		
effects of disease--cont			effects of milking--cont			12827	62016	62453
3672*	22240*	31453*	62433*	62467*	72339*	71979	103453	103931
41635*	41649*	51949*	82322*	92634*	92638*	41428*	62032*	103452*
72125*	82223*	82256*	106254*					
92523*	92545*	96623*	effects of temperature		51958	Brazil		71965*
Germany				3762*		Europe		31115
East Germany	92544*		France		41706*	New York		61959
Netherlands	3628*		Germany	62448*	92617*	New Zealand		41457
Norway	92398*		East Germany	62368*	103942*	Virginia		103469
effects of drugs	3634	13085	Hungary	51972*	82245*	shows		22303
22171	51831	62334	Java		51973	situation and outlook		86084*
effects of feeding	3429	3457	Netherlands		103624*	statistics	24961*	86258*
3461	3470	3477	New Zealand		103927	study and teaching		82320
12869	12889	12897	Northern Rhodesia		13202	trade	3368	98330
22061	22073	22103	Poland		82314*	Finland		76822*
22117	22130	31217	Republic of South Africa		22275*	types	21988	71977
31451	41430	41433	research methods			watering	12921	72119
41497	41515	41517	statistical	3752	103789	weight and measurement	62056	72094
41536	51714	51727	Rumania		22306*	22126*	71889*	103476*
51781	51797	61683	Sardinia		103465*	103624*	103667*	
62069	62073	62098	seasonal	41494	51995	Wisconsin		42479
62104	62116	62142	51981*	62433*	92431*	Dairy industry	24768*	31528*
72001	72028	72066	Germany		106940*	74691*	74694*	85199*
74887	82034	82062	Great Britain	51721	56607	85216*	86107*	96357*
82098	82102	91149	India		103459	accounting	74729	76406
92366	97803	103540	Norway	45940	51998	advisory services	24915	45851
106967	1344*	3446*		85245	62464*	3729*	96349*	96360*
3482*	12879*	12903*	Poland	103941*		Africa		106889*
31188*	31193*	31212*	Sweden		85368*	Angola		15597*
41557*	41714*	62089*		56600*	51965*	Argentina		85228*
72036*	72065*	72083*	Southern Rhodesia	13202	96543*	associations	24758	24774
82072*	82074*	82104*	Sweden	13201*	13212	65017	85197	85212
92275*	92299*	92311*	82328*	92645*	82324*	Argentina		96352
92369*	103543*	103554*	Switzerland		74865	Australia		6445*
Africa		51755	New Jersey		14016	Germany		85240
Alabama		31151	Norway	31523*	103462*	Indiana		24780*
Argentina		22060*	Peru		103463*	Italy		74702
Australia	72114	103518	records and testing		92667*	Netherlands		6327*
Brazil		72355*	12794	12843	3768	New Zealand		96374*
California		92303	31115	41728	21988	Norway	96338*	74714
Czechoslovakia	22087*	103576*	61969	62005	22226	Pennsylvania		96362*
Denmark	51701*	51744*	71975	72336	61941	Republic of South Africa		74719
	51745*	51760*	74758	81933	62042	74727		74683
	51770*	51772*	103472	103507	74757	Australia	65025	74914
Finland		62129*	Arizona		82349	96388*	96393*	96396*
France	31166*	91143*	Australia	13206	51957	Austria	12465*	44247*
Georgia		62090	51961	41717*	22285	96334*		
Germany	40073*	72051*	Austria		82311*	Belgium		15577*
East Germany		62136*	Brazil		41723*	Brazil		13188*
Great Britain	31160	62064	Canada		82332	California		34290
	62454	3430*	Ceylon		62055	Canada	15576	15593
reviews		31224	Denmark	92627	62055	96379*		24756
Indiana		72002	41431*	51956*	31518*	Channel Islands		54461
Italy		29586*	Europe		92643*	conferences and congresses		24740
Kenya	12927	82086	Finland		92673*	24762	24785	44245
Latvia	22093*	31210*	Florida		3774*	65016	65022	85178
Louisiana		62124	Germany	13187*	41720	85253	103596	74730*
Mississippi		103519	92669*	82319*	92668*	Australia		76724
Netherlands	12888	22126*	Great Britain	3407	41718	Germany	34309*	96344*
	82044*	82049*	51969	92154	103444	New York		85225
New Hampshire		41511	Iceland		3767*	New Zealand	6340	24759
New Zealand		41550	Italy		22309*	96367		
North Dakota		51741	Kentucky		3355*	Vermont		85252
Northern Ireland		41519	Kenya		41726	contests		96340*
Norway	12961*	51734*	Netherlands		103910	cooperatives		6410
	103580*		New York		31524*	15667	34359	44308
Ohio		51730	Norway	62040*	61959	44318	65103	65113
Poland		31208*	Poland		92648*	85249	85376	96471
Rumania		103577*	Southern Rhodesia		92659*	65104*		26772*
Scotland	72007	72032	Sweden	3748*	62439	Argentina	15674*	34370*
	72044		3771*	22299*	3758*	conferences and congresses		
Sweden	72071	3452*	51966*	51982*	51664*	Denmark	56420	74685*
	22104*	31197*	51993*	72357*	51992*	106944*	108407*	74833*
	92292*	92360*	92646*	92656*	82321*	Finland	15669*	85374*
Switzerland	74865	82256*	Switzerland		92661*	France		24889*
Texas		41493	62435*	82014*	3744*	Illinois		85361*
USSR	22043*	51754*	Tasmania		82346	India		54593
	82087*	82123*		103926	82347	Italy	24887*	26515*
Vermont		92357	Virginia		103469	Japan	24890*	31508*
effects of housing	12888	5901*	Wisconsin		62432	Michigan		74830
22296*	31519*	41719*	research methods			Minnesota		54586
92616*		82322*	statistical	35776	71890*	65108		54587
effects of milking	3726	22011	sanitation	31483	82251	Netherlands	16829*	96458*
22311	24070	41457	92616*	92624*	92655*	96461*	96472*	
103931	106255	3516*				New York		24894
22297*	31525*	52002*						65105

\*Text of this reference is not in English.

	Item			Item			Item	
Dairy industry--Cont			Dairy industry--Cont			Dairy industry--Cont		
cooperatives--cont			farms--cont			farms--cont		
New Zealand	6407	6414	Australia	7891	51626	New York	7930	17005
15672	15673	44319	72056	87149	54064	66897—66899	66957	66958
Poland	67302	34358*	California		45990	66961		
35926*	54591*	54610*	Ceylon		87095	New Zealand	74704	108461
74827*	74828*	54685*	Finland		76301*	Rumania		22306*
106946*—106947*		74835*	Florida		45900	Scotland		108510
Sweden	3753*	86869*	Germany		97859*	Surinam		76307*
Wisconsin		65102	Great Britain	15037	62064	USSR	26765*	53781*
costs and returns	6417	16597	Italy	97807*	97875*	Vermont	26947	97926
27000	44307		Japan	34289*	35779*	Virginia		26893
Argentina		26894*	35807*	45823*	106997*	Wisconsin		7985
Arkansas		16888	management		7875	Yugoslavia		62181*
California		74951	16782	26789	26790	finance		24767*
Canada		26850	35838	45806	45851	Finland	54472*	74700*
Caribbean area		26953	56408	76234	76283	France	15603	6330*
Colorado		35913	82327	85411	86947	Germany	65020	74687
Finland		15669*	103909	108382		24770*	34433*	74681*
Germany	45003*	87205*	Australia		3765	96364*	96365*	96371*
East Germany		95767*	26847	56218	87084	Great Britain		6332
Great Britain	26885	26888	104782	108375		15752	74968	34291*
98007			Brazil	12779*	41723*	history		85247
Indiana		96343	California	56402	66744	Germany		44266*
Italy		97807*	Canada	16770	16852	Illinois		65015
Japan	26920	35770*	26850	41672*		Ireland		34299
35906*	35929*		Connecticut		106423	Japan		34289*
Lake States		35898	Corn Belt		7901	Norway		106877*
Massachusetts	56377	56593	Denmark	56420	22298*	Poland		74736*
Michigan	76399	76416	62438*	108407*		Wisconsin		74706
Middle Western States		66905	Finland		45822*	in literature		82325*
Mississippi		76456	France	26812*	56477*	India	31521	65158
New Jersey	16780	16889	Germany	87001*	87114*	Ireland		72250
97813			87181*	92665*	108406*	Italy		15578*
New York	7930	16920	East Germany	3776*	3775*	Japan	31515*	87319*
35876—35877	45886	45891	3776*	108391*		106999*	108603*	
45892	45893	45930—45932	Great Britain	16792	16839	Kenya		44257
45937	45939	66896—66899	26804	26885	26888	labor	7730	16616
66902	66903	66946—66948	39447	76330	86993	16644	16645	26532
66952	66953	66957—66964	97803	109201		Hungary		45589*
76391	76392	76395	Hungary		56472*	Indiana		96343
76446—76448	76451	76452	Indiana		45802	Japan		86729*
97817	97900		Italy		76281*	Netherlands		106453*
Northeastern States		66905	Japan	31503*	31508*	New Zealand		97659
Poland	35908*	35926*	35744*	35756*	35770*	USSR		26576
Scotland		16899	35809*	35821*	35906*	Lebanon		74710*
Vermont		45459	51999*	62441*	66858*	legal aspects		44247*
Virginia		26893	97861*	108420*	108440*	legislation	85222	96520
Washington		66937	108471*			24764*	34297*	92544*
credit	16571	16573	Java		51973	Malawi		54480
26488	35491*	66411*	Kentucky		45802	Malaysia		15594
Cyprus		85231*	Lake States		35898	Malta		6338
Czechoslovakia		15605	Massachusetts	56377	56593	Mauritius		24765
Denmark	72326	54469*	Michigan		87005	mechanization		53658*
96383*	106871*		Mississippi		45903	95757*	107046*	107051*
developing areas		15597*	Netherlands	7879	16829*	mountain areas		96340*
dictionaries		24757	New Jersey	16780	97813	Netherlands	74687	6341*
directories	6342	74684	New York	45886	45891	25038*	25039*	34302*
106880	107007		45892	45893	45930	96339*	96380*	
Canada		106863	45931	45932	45937	New York		44249
France		24742*	45939	66896	66902	New Zealand		44254
Germany		54482*	66903	66946	66947	44265	54477	74735
Virginia		85253	66948	66952	66953	96350	74679*	74732*
equipment	15751	24927	66959	66960	66962	85254*	106895*	
34421	44350	54681	66963	66964	76391	reviews		15730
74920	74922	74952	76392	76395	76396	North Dakota		54579
85449	85456	96078	76446—76448	76451		Northern Ireland		24794
107041*			76452	97817	97900	Northern Rhodesia		54480
Australia		74276	New Zealand	26766	35836	Norway	85245	24761*
conferences and congresses			97835			34456*	54486*	74712*
directories		74926	Northeastern States		56402	85177*	85238*	96373*
European Economic Community		85458	Northern Ireland		76354	Ohio		15666
15742*			Ohio		56504	Philippines		74699*
France		15757*	Oregon		35776	Poland		85224*
Great Britain	15037	74989	Poland		3759*	reviews		107044
Japan		33805*	Rumania		45832*	policies and programs		15583
Malawi		44365	Scandinavia		87040*	15595	25031	54626
Michigan		74258	Surinam	26740	45756	65043	85218	106888
Northern Rhodesia		44365	Sweden		26746*	Australia	24775	85179
Poland		74997*	Switzerland		16806*	Belgium		75503*
Southern Rhodesia		44365	Tasmania		108480	Canada		107018
USSR		24810*	USSR	76276*	76323*	Chile		106883*
Utah		96067	Vermont		45459	Colorado		74690
Europe	74695*	74722*	Washington	66937	108538	Denmark		54473*
European Economic Community		74713*	Netherlands		97821	developing areas		24779
6337	15606	85182*	New England States		35882			
farms		15584	New Jersey		16889			

\*Text of this reference is not in English.



Item				Item				Item
Dairy industry--Cont				Dairy industry--Cont				Dairy products
policies and programs--cont				situation and outlook--cont				6335 15587 106882*
European Economic Community				Israel 6349 44253*				advertising 24901 34348 34368
15604* 16330* 85183* 85221*				Japan 36252* 96376*				44306 74393 76727 76782
96335* 96392*				Kentucky 65023				Germany 96468*
Germany 85217 96341 85193*				Michigan 54468 85219				Switzerland 44312
India 97807*				Netherlands 24755				analysis and composition 6377
Italy 96372*				New York 85189 85190				6499 15610 15640 24872
Japan 106879*				85234				34322 44290 54530 65088
Korea 96382*				New Zealand 24795 74704				65836 74762 74765 74789
Netherlands 65177 6328*				74726				74862 85268 85308 96426
6345* 96336*				Northeastern States 54487				6368* 6396* 24863* 34328*
New Zealand 15598 74716				85246				44289* 54503* 74801* 85311*
Norway 34301*				Norway 74689* 85181*				85328* 85330* 85336* 96413*
Poland 75521 74720* 74733*				Poland 74686* 85191*				conferences and congresses 24829*
74827* 74828* 75011* 106948*				Scotland 15588				Austria 24829*
Republic of South Africa 6347				Sweden 34303*				bacteria 6499 15608 106928*
25005 54479 74721				Tropics 74697* 85204*				34315 74762 85304 106921
Tropics 106870*				USSR 24781* 24784* 106862*				15617* 65071* 65086* 65088*
Virginia 85192				Vermont 85258				85303 96407* 96422* 96437*
public relations 8186				Virginia 106865				chemistry 24813 65045 74785
34354 34361 74393 74843*				Southern Rhodesia 54480				consumer preferences 96454 106929
regulation 54601 74847 91978*				statistics 34455 85499				consumption 34348 44304 74818
Republic of South Africa 6333				Australia 25048 107065				Alabama 96454
research methods 6351*				Canada 6525				Germany 87759
linear programming 15769 74844				Denmark 15767*				East Germany 34350*
statistical 107062 107066				European Economic Community 65188*				Japan 6333
research programs 96653 44382*				Finland 65188* 75000*				Republic of South Africa 96389*
85474* 96576*				Germany 6528* 25052* 44386*				Sicily 34351
Denmark 85459*				Great Britain 85498				Southern States 96549*
Great Britain 74981				Netherlands 44387* 85500*				Sweden 55554* 85346* 96549*
India 96593				107070*				containers 6462 74903 15713*
Netherlands 74991*				Norway 85497 85501* 96659*				34399* 54268* 96536* 106989*
New Zealand 85439				Paraguay 54691*				Austria 106991*
Republic of South Africa 96619*				Switzerland 6527*				Germany 96535*
Rumania 54474				Wisconsin 86259				contamination 6377 65836
sanitation 6363 6504 6518				study and teaching 24777 24778				85308 85413
15738 15740 15741 15761				54485 106921				cookery 67419
23360 24903 24927 25047				Belgium 15591*				defects 65121 24940*
43512 44344 44369 44385				Brazil 15586* 85205*				drying 85438 74923*
54530 54672 54681 65154				Canada 96353 106864				fat 85268 85328*
65182 74010 74919 74929				conferences and congresses 24788*				flavor and odor 65045 65121
74939 74964 74969 74982				developing areas 24741 24771				24940*
84936 85441 85489 96565				24789				flavoring 65178 74946
96586 96590 96612 96621				Finland 74696*				freeze-drying 85430 74923*
6509* 25030* 25045* 34434*				France 85255*				85460*
74915* 74916* 74959* 74977*				Germany 34292* 85207* 85209*				frozen 6499 34423*
74984* 74985* 85455* 85469*				96356* 96384* 96385*				grading and standardization 6457
96407* 96571* 96573*				East Germany 44256*				24909 74894 106981
Australia 15764				India 85251				Austria 106980*
Canada 85471* 96514*				Latin America 24739* 24788*				Germany 24931* 106956*
conferences and congresses 34381				24790* 44243* 44262*				Great Britain 15691
Germany 44380* 54600* 65160*				Northern Ireland 24796				international 74862
65165*				Norway 96354*				Poland 54607*
Ireland 85473				Republic of South Africa 15590				Switzerland 34387*
Israel 6349				74703				hydrogen-ion concentration 24813
Malawi 44365				reviews 74988				74801*
Netherlands 96551* 96611*				Switzerland 65026				India 74819
Northern Rhodesia 44365				Washington 65029—65031				ingredients 85451
Poland 74994*				106890—106892				judging 34393
Scotland 15723				subsidies 26725 44342 26729*				labeling 74891 96516
Southern Rhodesia 44365				108357*				losses 44367*
USSR 24878*				supplies 6342 107007				manufacture 65141 65159 107060
Scandinavia 6334				directories 15580				25010* 44367* 74940* 85452*
Sicily 96389*				Sweden 74687 24761* 34310*				107014*
situation and outlook 24763				54464* 96576*				Australia 24998 107020
34293 34371 44260 54462				Switzerland 54481*				California 74951
54478 65021 65057 85211				Tanganyika 24773* 74711*				Denmark 85477*
96375 106887 106894 44261*				Tennessee 34366				Germany 96588* 96589*
54471*				Tunisia 15579*				Great Britain 74989
Argentina 85226				USSR 6339 74705* 82331*				New Zealand 107063
Australia 15585				96361*				Northern Ireland 24972
Austria 106867* 106868*				Venezuela 6344*				Norway 45940 107055*
Brazil 6348*				Vermont 24745 24746—24752				reviews 74988
California 106881				24787				marketing 6353 15663 34368
Canada 15581 15582 54475				vertical integration 97875*				34371 44320 54594 54684
74290 106886				waste 24978 4073* 91224*				74829
Denmark 96333*				water supply 24306 24978				associations 96470*
Europe 96348*				25034* 65142*				bibliographies 54569
Finland 85236*				Western States 106880				conferences and congresses 44311 54564
France 15589*				SEE ALSO Dairy barns; Dairy cattle;				34357 34362
Germany 15596* 24743* 34294*				Dairy products; Goats, milk produc-				European Economic Community 74836* 96457*
44248* 85235* 96378*				tion; Milk; Milk plants; Milking;				Finland 57044*
Hong Kong 74723				Milking machines; Milking stalls;				France 106932*
India 65028				Sheep, milk production				

\*Text of this reference is not in English.

	Item			Item			Item	
Dairy products--Cont			Dairy products--Cont			Dangeardiana eudorinae		88553*
marketing--cont			Sweden		85336*	Danielostygia n g		23895*
Germany	24898*	96589*	temperature		24899*	Daphne	88317	98973
Netherlands		96456*	tests	15641	65062*	Daphne burkwoodi		39312*
New Zealand	15598	107063	trade	98306	98330	Daphne mezereum	10271*	98954*
Norway		96480*	Asia	17153	17168	Daphnia		86276*
Southern Rhodesia		85370	76724	76727	76782	Daphnia magna	88140	54982*
statistics		54592	76794	76812		Daphnis nerii SEE Deilephila nerii		17760
Sweden		96483*	Australia	17153	17168	Daphnopsis		10271*
Wisconsin	34361	54576	76724	76727	76782	Daphnorin		2128
microorganisms	24909	6396*	76794	76812	98256	Darcy equation	2123	26837
24808*	85311*		Europe	87619*	87685*	Dark Brown soils		102741*
milk for		22240*	Far East		8213	Dark-Chestnut soils		78249
Netherlands		74707*	Finland		57044*	Darwinia		3038*
nutritive value	8334	65138	France		76741*	Darwinism		88440
87759	46477*	108968*	Japan		36252*	Dascillidae		79284*
oxidation		65121	Netherlands	24755	98323*	Dasheen		83485*
packing	6461	15716	New Zealand		44265	Dasineura affinis		32779*
76782	106988	85421*	Poland	67302	87628*	Dasineura brassicae	23267*	73257*
Australia		65135	Sweden		55554*	52835* 105231*		5287
Europe		15712*	transportation		85354	Dasineura tetensi		73623
France		96532*	Eastern States		35222	Dasineura urticae		88999
Germany	24947*	54623*	France		85349*	Dasiops alveofrons		33145*
74902*	85420*	106993*	Germany	24899*	106937*	Dasya pedicellata		53477*
India		85418	Middle Western States		35222	Dasybasis		42791
Netherlands		106986*	Tropics		6419*	Dasychira albodentata		100724*
pasteurized	15725	54494	vitamins		57148*	Dasychira plagiata	42746	77478*
prices		34357	weight and measurement		15702	Dasycladaceae	68601*	95351*
Canada		6474	24872	24938*		Dasychelea lithotelmatica		95351*
control	54627*	96539*	SEE ALSO names of products			Dasylabris		95351*
Denmark		54629*	Dajakina n g		83784	Dasylabris arenaria atriventris		95351*
Europe		16597	Dalapon	11016	20302	Dasylabris garcis-merceti		5475*
European Economic Community		96457*	29549	39487	39512	Dasylabris mateui		94996
Japan		34412*	90589	90658	90709	Dasymallomyia		95199*
support	6353	34406	101507	70170*	102571*	Dasyneura SEE Dasineura		95199*
Sweden		96549*	chemistry		49491*	Dasygnopsis n g		95502
processing	54657	54684	effects on barley		78332	Dasygnus		14815*
85413	6520*	74944	effects on corn		49429	Dasygnus selenophora		95289
Canada		85467	effects on cotton		89769*	Dasyproctus		95289
developing areas		25000	effects on Echinochloa crusgalli		47677	Dasyproctus bipunctatus		94383
study and teaching		85434	effects on Pinus		81039*	Dasyproctus kibonotensis		30415*
production regions		34300	effects on plants		38340	Dasyscapus parvipennis		77791*
properties	34421	65092	effects on sugarcane		19145	Dasyscypha calycina	99472	88510
proteins		74789	effects on wheat		48312	Dasyscypha fuscocanguinea		14507*
quality	6453	12879*	formulations	49429	70138	Dasyscypha willkommii SEE Dasyscypha calycina		81764*
54508*	92311*	54507*	90630			Dasyscyphus		7627
Australia		106961	Dalbergenone		21640	Dasytes subaenea		87829
Denmark		54629*	Dalbergia latifolia		21723*	Dasytididae SEE Melyridae		17243
Germany	24912*	54509*	Dalbergia nigra		21723*	Dasytricha ruminantium		109044
Netherlands		96478*	Dalbergia sissoo	21640	30338	Dasytricha ruminantium		26875
Northern Ireland		96498*	Dalbergia spruceana		21723*	Dasytricha ruminantium		26875
Poland		24849	Dalbergia stenosoni		21723*	Dasyxycopa SEE Xylocopa (Dasyxycopa)		26875
USSR		54610*	Dalbulus elimatus	105222	105223	Data processing equipment		26875
refrigeration		103516*	Dalbulus maidis	4813	105222	26410	63684	74309
regulation and inspection		96627*	105223			98451	99758	87829
6457	34384	54601	Dalechampia tamnifolia		17800	costs		17243
96520		74894	Dallisgrass SEE Paspalum dilatatum		31278	directories		109044
Denmark		15689*	Dalmeny disease		106915	in accounting		26875
Netherlands		96498*	Dalmot		5395	26878	26879	26882
Poland		54607*	Dalsira bohndorfii		5395	35860	35867	45875
Sweden	106978*	106979*	Damalania equi SEE Bovicola equi			66883	76374	76377
research methods		75569	Damalania ovis SEE Bovicola ovis			87131	87133	87134
statistical		96627*	Damascene		79074*	97946	108501	7919*
research programs	65138	96598*	Damping-off			56531*	56543*	76376*
situation and outlook	25020	85214	apples		9077	in agriculture		19043*
106887		44251*	beans		77801	conferences and congresses		76370
France		96462*	Coniferae		27243a	in agronomy research		19445
Germany	45003*	24769*	Cunninghamia lanceolata		99300*	69342	1463*	72319
USSR		34450*	ornamental plants		18179	in animal industry		61604*
stabilizers	6514	6513	papayas		9145	72320	72348	3768
starters	107045	34306*	Pinus		99448	51662	85248	85449
74941*	96620*	54673*	vegetables		18179	51982*		103571
statistics	6530	54690	Dams		79938	in drainage research		40154*
74818	107069	65150*	Australia	54060	70702	in economic poisons research		77552*
Brazil		15766*	Colorado		70802	in economic research		16801
Netherlands		44388*	construction	11745	84718	in education		87126
Sweden		96660*	Georgia		29991	in electrification		64688*
USSR		25049*	Republic of South Africa		60655	in engineering	60609	73945
sterilization	25011	74944	Switzerland		50293	in entomological research		63834
sterilized	6461	44320	Taiwan		40310*	in farm management		66841
54594	96585	54553	Damselflies SEE Odonata			76259	76264	76373
conferences and congresses		44311	Danae		14568	86985*		35153
storage		65141	Danaus chrysippus		33371	in fats and oils research		81687
substitutes		85195	Danaus plexippus	64195	64197	104263	104294	54232
			64240			96090	106704	84900*
			Dandelion SEE Taraxacum					84905*
			Dangeardiana n g		88553*			

\*Text of this reference is not in English.



## Item

Data processing equipment--Cont  
 in food marketing 54196\*  
 in forestry 11986 21158 40397  
 40512 50462 50656 60929  
 60934 60953 70911 71023  
 71095 71107 80844 80846  
 80972 2750\* 2754\* 40517\*  
 40546\* 50583\* 50671\* 70913\*  
 102379\* 102464\*  
 in human nutrition 8321 76847  
 76871  
 in hydrology research 102128  
 102245  
 in ice cream industry 6502  
 in indexing 34305\*  
 in irrigation research 70778  
 in nursery management 71292  
 in nematode research 523 9298  
 in plant research 26946a 36638  
 46757 48766 48811 69\*  
 19468\* 36866\* 48740\* 59817\*  
 in poultry industry 76382 104476  
 in pulp and paper manufacture 21572  
 21598 21630 71488  
 in recreation research 87512  
 in sausage manufacture 86200  
 in sociology research 76566  
 in soil research 39883 70758  
 in sugar industry 66225 66246  
 16438\*  
 in systematic botany 57442\*  
 in tobacco industry 16500  
 in veterinary medicine 71718  
 41272\* 93384\*  
 in watershed management 80237  
 in wood research 81585  
 Dates  
 anatomy and physiology 58658  
 conferences and congresses 59514  
 cooperatives 44635  
 discoloration 65446  
 enzymes 65446  
 fertilizers 60375  
 fungus diseases 406\* 9095\*  
 research methods  
 statistical 18162\*  
 harvesting 59527  
 India 17738  
 pest control 23288 42686 63623  
 52947\*  
 pests 4854 94462\*  
 processing 65604  
 products 23356 65368  
 quality 59527  
 seeds 13656 58658  
 storage 23356 65622  
 weed control 63623  
 yields 60375  
 Datura  
 biochemistry 77933\*  
 69164\* 69165\* 89813 10257\*  
 89914\* 78939\* 89913\*  
 germination 48496\*  
 Datura cornigera 28308  
 Datura ferox 79760  
 Datura metel 48621 89853\*  
 Datura stramonium  
 anatomy and physiology 37996  
 38393 48104 58626 100211  
 89356\*  
 biochemistry 48104 58626  
 78980 89937 89950 79050\*  
 89851\*  
 control 79760  
 cytology 47520 99631  
 morphology 37753\*  
 Norway 98965\*  
 virus diseases 18321 47520  
 99631  
 Datura tatula SEE Datura stramonium  
 Daubentonia 36901  
 Daucus carota 27650 47742  
 Daucus carota sativa SEE Carrots  
 Daulocoris 105827\*  
 Davainea proglottina 62933\*  
 Davidia 57609\*  
 Davosin SEE Sulfamethoxypyridazine  
 Dawsonia 89194

## Item

Daylily SEE Hemerocallis  
 DBCP SEE 1, 2-Dibromo-3-chloropropane  
 DBSA 9881  
 DBTCE  
 SEE Dibromo-tetrachloroethane  
 DCMU SEE Diuron  
 DCNA SEE 2,6-Dichloro-4-nitroaniline  
 DCPA 29234 34480 34702 59929  
 D-D mixture 522 37534 77973  
 100285 37525\* 58118\* 77970\*  
 99710\*  
 DDD SEE TDE  
 DDE 73092 93980  
 DDT  
 adjuvants 93976  
 alfalfa pest control 63376 94323  
 analogs 63467 94005  
 analysis and composition 83149  
 93948  
 apple pest control 83461\*  
 application 104999  
 bean pest control 63376  
 cabbage pest control 94265\*  
 cattle pest control 4742 23146\*  
 chemistry 83127 83128 93969  
 cherry pest control 32848\* 73266\*  
 94371\*  
 corn pest control 63592 52865\*  
 cotton pest control 13919 13922  
 23191 32769 42411 63973  
 83292 94277 105189 105211  
 52900\*  
 deposits 13940 94123  
 effects on animals 83156\* 105096\*  
 effects on Anopheles 14020 73092  
 42474\*  
 effects on Anopheles albimanus 94009  
 effects on Anopheles pseudopuncti-  
 pennis 94009  
 effects on Anthonomus grandis 32769  
 effects on apples 78609  
 effects on barley 10024  
 effects on Bupalus piniarius 53039\*  
 effects on Culex pipiens quinquefas-  
 ciatus 105080\*  
 effects on Drosicha stebbingi 83394  
 effects on insect populations 94342\*  
 effects on insects 83127  
 effects on Leptinotarsa decemlineata 73221\*  
 effects on Malacosoma neustrium 83129\*  
 effects on mice 83131 105036  
 effects on mite populations 13911  
 42369  
 effects on mosquitoes 93969  
 effects on Musca domestica 13971  
 23646 52713 73092 73146  
 effects on Pectinophora gossypiella 13922  
 effects on Pediculus humanus 32709  
 effects on Periplaneta americana 63401  
 effects on plant disease 47236\*  
 effects on Porthetria dispar 83129\*  
 effects on rats 73072\*  
 effects on Tabanidae 4781 14077  
 effects on Tetranychus telarius 42368  
 42369  
 effects on Tetranychus urticae 42368  
 42369  
 effects on Triatoma infestans 32650  
 73147 105084  
 field crop pest control 14111  
 flax pest control 94336\*  
 flea control 94257  
 fly control 4734 4781 42447  
 63467 63484 42467\*  
 forage plant pest control 52849  
 73195  
 forest pest control 14260 14276  
 53030 53038 63690 63694  
 94451 94456 53018\* 53039\*  
 94485\*  
 formulations 32820 52688  
 63573 93976

## Item

DDT--Cont  
 fruit pest control 23307\* 52907\*  
 hazards and safeguards 52752\*  
 hemp pest control 83312\*  
 human pest control 4734 83193  
 in Agrostis tenuis 104999  
 in apples 75195  
 in cherries 94371\*  
 in fish 23036 63383  
 in food 54239\* 84806\*  
 in forage plants 52849 75024  
 in game meat 55446  
 in Lolium perenne 73115 104999  
 in mice 73041  
 in milk 24860 85409\*  
 in plants 32654  
 in soils 14076 73115 105078  
 in vegetables 75201  
 in water 4638  
 in white clover 104999  
 insect resistance 4671 13917  
 13919 13922 13971 14111  
 23027 23030 23085 32709  
 42371 42381 42411 42412  
 42447 52700 52712 52738  
 63376 63386 63417 73050  
 73092 83193 93969 93998  
 94005 94009 104963 104988  
 105043 105211 23231\* 52776\*  
 63400\* 93979\* 105072\*  
 California 52685  
 Morocco 63399\*  
 research methods  
 statistical 23023\*  
 USSR 53039\*  
 louse control 63386  
 lychee pest control 105259\*  
 metabolites 4651 23036 73041  
 73092 73050  
 mosquito control 4768 13917  
 14020 42412 42540 52740  
 52774 52775 52789 94005  
 94009 94086 42477\*  
 94145\* 105083\*  
 China 52776\*  
 Guatemala 52797  
 Maine 4753\*  
 USSR 94123  
 Upper Volta 94170  
 Utah 94173  
 Washington 32765  
 oat pest control 42581\* 42703\*  
 olive pest control 94326\*  
 pea pest control 73273  
 peanut pest control 94472\* 105404\*  
 Pinus pest control 77675\*  
 plant disease control 42371 63538  
 potato pest control 93995 52874\* 94298\*  
 poultry pest control 94161 105121\*  
 properties 4630 93976  
 Quercus pest control 53049\* 105400\*  
 raspberry pest control 52934\*  
 related compounds 83127 83128  
 83149 94005  
 residual effectiveness 32654  
 32737 52775  
 rice pest control 52834\*  
 Rosa pest control 52988\*  
 solvents 93976  
 stability 63378  
 storage pest control 83498 94447\*  
 sugarcane pest control 23214  
 synergism 13971 23027 32769  
 42411 63484 73066 94005  
 104964\*  
 tea pest control 32820  
 tests 23027 73050 94009  
 tick control 63443 32735\*  
 tobacco pest control 14111 105168  
 toxicity 54208 63694 99451  
 93954\*  
 aquatic life 23046 94086  
 bees 4952  
 fish 4661 13910 23036  
 42387 63383 63401 93980  
 63714\*  
 flies 93969  
 man 83161 83162

\*Text of this reference is not in English.

	Item			Item			Item	
DDT--Cont			Deervetch--Cont			Delphinium		20052
toxicity--cont			cytology	58435	89241	biochemistry	28353	38606
mice		83131	genetics	837	58435	breeding	19972	20028
rats	23128	42399	morphology		9536	89284		20043
wildlife	4644	23046	soils		70362*	culture	20018	49252
93980			varieties		1628	genetics		27699
tree pest control	53055	73329	Deet	13993*	94245*	Great Britain		19976
32906*	53049*		Deficiency diseases SEE names of dis-			history	19973	69899
vegetable pest control		73239*	eases; SUBHEAD deficiencies UNDER			hybrids	20028	89284
wheat pest control		83306*	Human nutrition; SUBHEADS deficiency			Scilly Isles		19960
DDVP			diseases AND feeding and nutrition,			seeds		20018
application		63404	deficiencies UNDER Livestock and			varieties	19963	20031
cattle pest control		63514*	names of animals; and SUBHEADS de-			20053	49252	79566
chemistry		63404	ficiency diseases AND nutritional defi-			virus diseases		18320
cockroach control		83240	ciencies UNDER Plants and names of			Delphinium ajacis		808
effects on mosquitoes		42482	plants			Delphinium elatum		10138
fly control	63484	83160	Defoliants	10401	49463	Delphinium browni		100567
formulations	73100	73110	effects on apples		58717*	Delphinium cheilanthum formosum		89290
goat pest control		105135	effects on seeds	881	78344	Delphinium consolida		58248*
grasshopper and locust control			effects on strawberries		38422	Delphinium elatum	100567	46887*
			Netherlands		88794*	Delphinium foetidum		10282*
			tests	1547	1564	Delphinium intermedium SEE Delphinium		
			USSR		100884	elatium		
human pest control		83267	Degenerative diseases SEE names of			Deltocephalidae		53399
in air		42376	diseases			Deltotilia n g		73759
livestock pest control		42539	Degenerative myositis SEE White muscle			Delvex SEE Dithiazanine		
louse control		105135	disease			Demand SEE Supply and demand		
mite control		94006	Dehorning			Demand marketing SEE Futures trading;		
mite resistance	63395	83495	cattle	3590	13032	and SUBHEAD vertical integration		
mosquito control	42510	42530	51902	31305*	92561*	UNDER names of animals and crops		
83240	94058	94061	sheep		72819	Demarziella		94938
mushroom pest control		42631	Dehydrases		31504*	Dematium		99105
pear pest control		63631	Dehydration	53778*	85011*	Dematophora necatrix SEE Rosellinia		
properties		42539	SEE ALSO High frequency heating, in			necatrix		
residual effectiveness		42482	food processing; and SUBHEADS de-			Demeillonia		73891
42487	42510	42530	hydrofreezing; dried; drying UNDER			Demeillonia miriamae		73891
42477*			names of commodities			4-Demethyl-desoxypodophyllotoxin-beta-		
storage pest control		83516	Dehydration (pathological condition)			D-glucoside		100721*
tests		13973	14390	31255	52117	Demethylchlortetracycline SEE		
Dead-arm			Dehydroacetic acid		65621	Declomycin		
grapes	329	57887	Dehydroascorbic acid	1367	34896	Demeton		
DEAE-Cellulose SEE Diethylaminoethyl			15638*	34014*		asparagus pest control		105184*
cellulose			Dehydroascorbic acid reductase		44843	in vegetables	75199*	105184*
Debeaking	52224	62763	1,2-Dehydroaspidospermidine		100580	insect resistance		105020*
22583*			Dehydrogenases			mite resistance		83185*
Decaisnea fargesii		99904*	in bacteria		103359*	ornamental plants pest control		23374
Decalepidanthus n g		67862*	in plants	10168	19293	sugar beet pest control		63539
Decanoic		39157*	38619	368*	79038*	35751		
Decarboxylase		19262	in semen		3406*	Democracy and agriculture		
Decarboxylation SEE Charboxyl group			in soils	80112	70396*	Demodex bovis		32663
Decaria		14562*	in yeasts		80100*	Demodex canis	14015	42921
2-Decene-4,6,8-triynoic acid		100692*	Dehydromatricaric acid SEE		38554*	73140	94092	62502
Deciduoma	41866	72534	2-Decene-4,6,8-triynoic acid			Demodex folliculorum	32690	94243*
Decline			Dehydrousolic acid	71514		Demonstration farming	32566	87048*
Acer		78868	Deightoniella torulosa		391	Great Britain		56491
Acer saccharum		74093	Deilephila nerii		64233*	Great Plains		15499
apples		37043	Deileptenia ribeata		95463*	India	56411	87605
coconuts		18929	Deilinia SEE Cabera			Ireland		26744
papayas		37518	Dekelmin SEE Methyridine			Japan	64379	87048*
pears	244	270	Delautin SEE			Netherlands		108440*
4857	8894	8958	17 alpha-Hydroxyprogesterone capro-			New Zealand	41550	45885*
37128	37135	52921	ate			97920	108548	108708
58103	90329		Delamarentulus n g		95677*	North Dakota	26822	26823
Declomycin		13538	Delan		77793*	Norway	7869	26799*
Decticus verrucivorus		95575	Delayed implantation SEE SUBHEAD			76302*		76298*
Deer			pregnancy, implantation UNDER names			Poland		35830*
and disease		22808	of animals			Republic of South Africa		69596*
as pests	28952	30433	Delesseria		57706*	Surinam	45756	84376*
50938*	50947*	71102*	Delesseriaceae		57706*	Sweden	66843*	97888*
Czechoslovakia		30443*	Delia antiqua SEE Hylemya antiqua			Switzerland	46223	56524
Germany		12148*	Deliphrosoma		94904*	16787*	26811*	56497*
East Germany		61194*	Delmeson SEE Oxylone			Texas		97800*
Illinois		99192	Delnav			Turkey		7844
USSR		81200*	SEE Dioxathion			Wyoming		7835*
diseases		63520	Delonix elata		10264	Demonstrations SEE UNDER Equipment		16772
feeding and nutrition	48448	51004	Delopleurus		94862*	and types of equipment		
fossil		41609*	Deloyala guttata		94960	Denaturation		82451*
management		61244	Delphacidae			Dendezia n g		95245
61260	102831	41731*	Asia		105823	Dendrobium		
51003*			Europe		64131*	anatomy and physiology		100421
Montana		2882	Fiji		32763	Australia		36770
Pennsylvania		2884	Finland		63557	culture	10829	69823
pest control		63448*	Great Britain	33266	73716	cytology	648	27528a
pests	63994	73908	habits and behavior		14403	hybrids		36921
94195*			South America		105823	New Guinea		67873
Deer flies SEE Tabanidae			taxonomy	73716	64131*	nomenclature		67833
Deervetch			Delphacodes striatella		105862*	pollination		100421
biochemistry		100612	Delphiniobium junackianum		84054			

\*Text of this reference is not in English.





Item		Item		Item	
Dhawa gum	12404	Dianthus caryophyllus	78670	Diaspididae--Cont	
Di-allylate SEE Diisopropylthiocarbamic acid		83491	29716*	metamorphosis	95213
2,7-Di-(m-amidinophenyl diazoamino)-10-ethyl-9-phenyl-phenanthridinium chloride dihydrochloride	81753*	anatomy and physiology	37924*	Ohio	105836
2,6-Di-tert-butyl-p-cresol SEE Butylated hydroxytoluene		37924	38096	taxonomy	14750
O,O-Di-(2-chloroethyl) O-(3-chloro-4-methyl-coumarin-7-yl) phosphate	82796	78670	89353*	types	14730
32254* 93222*		associations		Diaspidinae	53383
Di-(2-ethylhexyl) phosphoric acid test	84789	bacterial diseases	9179	Diaspidiotus SEE Aspidiotus (Diaspidiotus)	73264*
Di-Syston SEE Bayer 19639		47432	68250	Diaspis	53411
Diabateria n g	33502*	breeding		Diaspis leperii SEE Epidiaspis piricola	
Diabetes		costs and returns	39193*	Diaspis pentagona SEE Pseudaulacaspis pentagona	
cats	31578	culture	20075	Diastase	1354 19437 25568
cattle	41619 22191*	39242	39244	34871	96955 25594*
dogs	3789 31578	28942*	39139*	Diastema tigris	32580
72423		101332*		Diasteneura	14691*
man	87441	diseases	304	Diastephanus	105872*
sheep	22838 22839	fertilizers	39920	Diastictus	94938*
Diabrotica	42379 42615	80377	29716*	Diastictus vulneratus	94921
Diabrotica balteata	23272 63918	fungus diseases	363	Diatomaceae	46713
Diabrotica duodecimpunctata SEE Diabrotica undecimpunctata howardi		9080*	47225*	anatomy and physiology	9410
Diabrotica longicornis	13913 14506	Australia		68449	89236*
14578 23033 42562	105242	control	57955	reviews	19008
Diabrotica undecimpunctata howardi		27288a*	37342*	Black Sea	57698*
14578 43009 73206	94289	57880*		Caspian Sea	57689*
Diabrotica virgifera	13913 14578	Finland	58018*	collecting and preserving	77156
42379 42603 52858	52888	Germany		Denmark	17849*
Diabrotica vittata SEE Acalymma vittatum		East Germany	47357*	ecology	538 89005*
Diacanthodes	196	Hawaii	9055	Hungary	99043*
Diacetyl SEE 2,3-Butanedione		Italy	18057*	identification	55293
Diacrisia obliqua	14881	New York	77769	Iowa	99027 99042
Diacritus aciculatus	73766	genetics	89289	Japan	17865
Diadromus pulchellus	53439*	marketing	35401*	Mozambique	99038
Diaecoderus	73609*	morphology	47784	New Zealand	67927
Diaeretia rapae	5049 52880	nutritional deficiencies		Republic of South Africa	17850
Diaeretus rapae SEE Diaeretia rapae		78670	89614	36956*	
Dialdehydes	18513	pest control	83491	Rumania	57696*
Dialectica simploniella	105969*	pests	77512*	Spitsbergen	88469
Dialeurodes kirkaldyi	84048	planting	73631	Tatra Mountains	67920*
Dialictus	95324	propagation	304 19176	taxonomy	57698*
Dialictus heterognathus	5451	101333	1852*	Texas	99046
Dialictus novascotiae	33321	reviews	59761*	USSR	57687*
Dialictus sandhouseae	33321	soilless culture	39199*	Diatomaceous earth SEE Infusorial earth	
N,N-Dialkyl-p-halobenzenesulfonamides	23027	soils	10702 39920	Diatraea saccharalis	
Dialypetalae	83*	91148		anatomy and physiology	23273
Dialysis	3875 49685	spraying and dusting	47321*	Barbados	52873
6368* 26281*		varieties	28942* 28943*	control	23273 42579 52873
Dialytes	94938*	virus diseases	9256 27280a	63552	83321
Diamine oxidase	69220	37421 37441	47503 68300	cytology	23910
Diamines SEE Amines		99592 101333	37442*	host plant resistance	52870
alpha-epsilon-Diamino-alpha-caproic acid SEE Lysine		Dianthus kiusianus	67835	Louisiana	23021
2,4-Diamino-4,6-diketopyrimidine	22508	Diapensiaceae	88372	oviposition	95550
6,9-Diamino-2-ethoxyacridine	47587	Diaphania	64211	Diatraeophaga striatalis	52845
6,9-Diamino-2-ethoxyacridine (lactate)	62345*	Diaphania nitidalis	73225	Diatrechus	73607
alpha-epsilon-Diamino-alpha-hydroxy caproic acid SEE Hydroxylysine		Diapheromera femorata	83579	Diaxylocopa SEE Xylocopa (Diaxylocopa)	
2,4-Diaminobutyric acid	22508	Diaphone	5560*	Diazinon	
Diammonium phosphate SEE Ammonium phosphate		Diaphorases	59014 107247	carrot pest control	23245*
Diamond-skin disease SEE Swine erysipelas		Diaphorina	95262	cattle pest control	14081 23127
Diamondback moth SEE Plutella maculipennis		Diaphorus	53326 105725	cockroach control	83198
Diamorpha	46932	Diaphragm	23522	effects on animals	14081
Diamox SEE Acetazolamide		104173		effects on Periplaneta americana	105075
Dianabol SEE Methandrostenolone		Diaphragmatic hernia		field crop pest control	14111
Dianous	42975*	cattle	62198* 62217*	fly control	83236 93962*
Dianthus		dogs	22366 62548	handbooks	93962*
biochemistry	69287*	horses	92918	household pest control	93962*
costs and returns	7956*	Diaportha citri	88796 99440	human pest control	83193
culture	39242	Diaportha phaseolorum	77667	in cattle	23127
fertilizers	29668* 29669*	Diaprepes abbreviatus	42686	insect resistance	13913 14111
29673*		Diaprepocoris	33291	32604	
fungus diseases	27228* 27229*	Diapriidae	73620*	lawn pest control	52980
39910*		Diapriinae	84107*	loganberry pest control	42700
marketing	16512	Diapriinae	5448*	pear pest control	63631
pests	4876*	Diaretiella rapae	23250	plant pest control	32598 93962*
Dianthus barbatus	27317a 73631	Diarrhea		related compounds	4655
59082*		cattle	22170*	sheep pest control	73164
		chinchilla	62584*	storage pest control	63682
		dogs	3801	tick control	63443
		mice	104181	tobacco pest control	14111
		poultry	52223* 93272*	tomato pest control	63614
		93330*		toxicity	42516
		sheep	93696	Diazo titration method	65314*
		swine	32501* 32524*	Diazoxon	4655
		104878*		Dibolia	43024*
		SEE ALSO Scours; Virus diarrhoea		Dibrom SEE Naled	
		Diarrhegma	105727*	1,2-Dibromo-3-chloropropane	522
		Diarthrophallidae	14492	33981 37176 99719	9282*
		Diaspididae SEE Diaspididae		18387*	
		Diaspididae			
		anatomy and physiology	53381*		
		cytology	5382		
		Florida	53411		

\*Text of this reference is not in English.



## Item

1,2-Dibromoethane SEE Ethylene dibromide  
 Dibromotetrachloroethane 107336  
 Dibutyl tin maleate 82611\*  
 Dicalcium phosphate SEE Calcium phosphate  
 Dicamba SEE 2-Methoxy-3,6-dichlorobenzoic acid  
 Dicanthium 1586  
 Dicentra canadensis 89521  
 Dicentra cucullaria 89521  
 Dicerandra immaculata 17719  
 Diceratura 106036  
 Dicerca 83874  
 Diceroprocta apache 23288 105824  
 Dichanthium 27489a 37852 47743  
 90141 99861  
 Dichanthium annulatum 89253  
 Dichanthium fecundum 89253  
 Dichanthium sericeum 131\*  
 Dichapetalaceae 8758\*  
 Dichapetalum 8758\*  
 Dichapetalum toxicarium 38645  
 Dichelostroma 99056\*  
 Dichillus 63955\*  
 Dichlobenil 18991\*  
 2,4-Dichloro-6-(o-chloroanilino)-s-triazine 99272  
 2,2-Dichloro-1,1-difluoroethyl methyl ether SEE Methoxyflurane  
 Dichloro diphenyl trichloroethane SEE DDT  
 1,1-Dichloro-2,2-bis (p-ethylphenyl) ethane SEE Perthane  
 2,6-Dichloro-4-nitroaniline 75331  
 107371 54990\*  
 2,3-Dichloroallyldiisopropylthiocarbamate 29305  
 2,6-Dichlorobenzonitrile 29232 39550  
 39565 39568 70079 70169  
 101479  
 2,4-Dichlorobenzyltributyl phosphonium chloride 27796  
 2,3-Dichloroisobutyrate sodium 9475  
 37880 89275\*  
 Dichlorophene SEE 2,2'-Methylenbis (4-chlorophenol)  
 2,4-Dichlorophenoxyacetic acid SEE 2,4-D  
 O-2,4-Dichlorophenyl O,O-diethyl phosphorothioate SEE V-C 1-13  
 3-(3,4-Dichlorophenyl)-1,1-dimethyl urea SEE Diuron  
 2,4-Dichlorophenyl methanesulfonate 97703  
 2,4-Dichlorophenyl 4-nitrophenyl 39573  
 Dichloropropene 27352a\*  
 1,3-Dichloropropene 27369a  
 3,4-Dichloropropionanilide 49500  
 70062 20271\* 39542\*  
 2,2-Dichloropropionic acid SEE Dalapon  
 Dichlorotetrafluoroacetone 68102  
 2,2-Dichlorovinyl dimethyl phosphate SEE DDVP  
 Dichlorvos SEE DDVP  
 Dichrocrocis punctiferalis 73784  
 Dichomeris marginellus 95516\*  
 Dichondra  
 anatomy and physiology 100527  
 culture 100527 101272 101364  
 Japan 98899\*  
 morphology 100527  
 pest control 105330  
 pests 105330 105331  
 Texas 8703  
 weed control 101550  
 Dichondra repens 89632  
 Dichotomosiphon tuberosa 68604\*  
 Dichromates 96306 96331 91420\*  
 Dicladispa 23624\*  
 Dicladispa armigera 5473  
 Diclidophlebia eastopi 43184  
 Dicotyledons 720\* 27541\* 77381\*  
 anatomy and physiology 99874  
 100556  
 Asia 98793  
 fungus diseases 99535  
 Hawaii 98956

## Dicotyledons--Cont

Mexico 98956  
 reviews 702  
 taxonomy 98955 98956  
 Dicoumarol SEE Bishydroxycoumarin  
 Dicraeanthus 77323\*  
 Dicranales 88440  
 Dicranolepis 36767\*  
 Dicranoloma 77439\*  
 Dicranopteris 98994\*  
 Dicranota 94999  
 Dicranotropis hamata 63557  
 Dicranoweisia 88454\*  
 Dicranum scoparium 1044  
 Dicranura vinula 5545\*  
 Dicrepidiini 53243  
 Dicroceliasis SEE Lancet flukes  
 Dicrocoelium dendriticum 4687  
 103171 53430\*  
 Dicrocoelium lanceatum SEE Dicrocoelium dendriticum  
 Dicryl 90625  
 Dictamnus albus 36807\*  
 Dictionaries 67487 76221\*  
 SEE ALSO UNDER specific subjects  
 Dictyocaulosis SEE Lungworms  
 Dictyocaulus arnfieldi 72485  
 Dictyocaulus filaria 4385 4416  
 32247\* 42211\* 104658\*  
 Dictyocaulus viviparus 3548 51887  
 12982\*  
 Dictyonota latior 64129\*  
 Dictyopanus 67952\*  
 Dictyophleba 61  
 Dictyoploca japonica 53515  
 Dictyoptera 53533\*  
 Dictyostelium discoideum 1055  
 9512 27768 9769\*  
 biochemistry 100702 100728  
 Dictyostelium mucoroides 37012  
 Dictyostelium sphaerocephalum 37012  
 Dictyota dichotoma 8812  
 19217\* 89909\*  
 Dictyothyrium 99063\*  
 Dicumarol SEE Bishydroxycoumarin  
 Dicyandiamide SEE Cyanoguanidine  
 Dicyrtomellus 95341\*  
 Diderma 99131  
 Didiereaceae 57645\*  
 Didymascella thujina 88767\*  
 Didymella applanata 14199\* 57946\*  
 Didymella lycopersici 77832\*  
 Didymella pinodes 68104\*  
 Didymium 99109 99131  
 Didymium iridis 47723  
 Didymium nigripes 58697 78196  
 Didymocephalus 14775\*  
 Didymocladium SEE Cladobotryum  
 Didymopeltis 99057\*  
 Didymosphaeria smaragdina 9095\*  
 Didymosphaeria spartii 219\*  
 Dieback  
 Acer saccharum 17995  
 apricots 27125a  
 Betula 27010a 105366  
 coffee 78401  
 Fraxinus 47366 88690  
 Larix decidua 99472  
 mushrooms 18311 58068  
 Pinus nigra poiretiana 57999  
 Pinus radiata 9036\*  
 Rhododendron 37346  
 Rosa 47355  
 Tsuga heterophylla 88512  
 Ulmus 14271 47243  
 63697 77780 77815 83576  
 99273 99356 99413 99451  
 99538 105357  
 conferences and congresses 99306  
 Diefenbach process 65227\*  
 Diegodendron n g 46790\*  
 Dieldrin  
 chemistry 4665  
 clothes moth control 63685  
 determination 73158  
 dosage 83133\*  
 effects on Anthonomus grandis 42434  
 effects on Musca domestica 73146

## Item

## Dieldrin--Cont

effects on rats 83176  
 effects on Tabanidae 14077  
 effects on tomatoes 63578  
 effects on Tribolium castaneum 105021  
 fly control 4781 42394 42467\*  
 73152\*  
 formulations 104983\*  
 fruit pest control 14167\* 83438\*  
 grasshopper and locust control 4641  
 household pest control 73296\*  
 human pest control 83193 83211  
 23151\* 73152\* 94087\*  
 in alfalfa 52876 105149  
 in barley 75421  
 in carrots 75258\*  
 in Culex pipiens quinquefasciatus 73158  
 in pastures and meadows 52849  
 in potatoes 14107\*  
 insect resistance 4666 13969  
 42386 42394 42395 42412  
 42434 52740 63411 63427  
 83193 93960 104988 104994  
 63400\*  
 in soils 14076 23096  
 in water 4638  
 in wheat 13931\*  
 livestock pest control 105050  
 mosquito control 4700 42412  
 52740 52775 52789 63411  
 63427 94145\*  
 pasture and meadow pest control 52849 73212  
 pear pest control 83438\*  
 physiological action 4781  
 plant pest control 93995  
 potato pest control 42371 83330\*  
 properties 23096 105039  
 regulation and inspection 83175\*  
 residual effectiveness 32737  
 52775 52876  
 rice pest control 23185\*  
 solvents 105021  
 tea pest control 52920  
 termite control 42745  
 tick control 63443  
 tick resistance 105050  
 tobacco pest control 105168  
 tomato pest control 42620  
 toxicity 13931\*  
 tree pest control 53055  
 white clover pest control 77682  
 Dielectric constants 7116 85560  
 24815\*  
 Dielectric heating SEE High-frequency heating  
 Diels-Alder reaction 26059\*  
 Dienes 83186 83188\*  
 Dienestrol diacetate 12920 92356\*  
 Diervilla 89711\*  
 Diervilla hybrida 39553\*  
 Diesel Award 36446\*  
 Diesel oil 11209\* 29552\* 59960\*  
 Diet SEE UNDER Human nutrition  
 Dietetic foods 15610 65110 6121\*  
 34116\* 34981\* 87792\* 96913\*  
 108911\*  
 Dietetics 57111 87763 109213\*  
 reviews 46468  
 O,O-Diethyl-O-3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl phosphorothioate SEE Bayer 21/199  
 O,O-Diethyl-O-3-chloro-4-methyl-umbelliferyl phosphorothioate SEE Bayer 21/199  
 O,O-Diethyl-S-ethylthiomethyl phosphorodithioate SEE Phorate  
 O,O-Diethyl-O-naphthal-oximido-phosphate SEE Bayer S 940  
 Diethyl nitronaphthyl phosphate insecticides 83507  
 N,N-Diethyl-2-phenoxy-acetamide 52765\*  
 Diethyl phosphate insecticides 83520  
 O,O-Diethyl-O-2-pyrazinyl phosphorothioate 501 77972\*  
 Diethyl pyrocarbonate 66111  
 64994\*

## Item

\*Text of this reference is not in English.



Item		Item		Item
Diethyl sulfate SEE Ethyl sulfate		Digitaria--Cont		2,4-Dimethoxy-6-sulfanilamido-1,3-diazine SEE Sulfadimethoxine
N,N-Diethyl-m-toluamide SEE Deet		ecology	28056*	2,6-Dimethoxyphenol
N,N-Diethylamid phenoxyacetic acid SEE R-203		germination	28056*	Dimethrin
Diethylamide metatoluate SEE Deet		Digitaria decumbens		Dimethyl acrylic acid
Diethylaminoethyl cellulose	74803	anatomy and physiology	27902*	Dimethyl-1,2-dibromo-2,2-dichloroethyl phosphate SEE Naled
100679		culture	38868 28692* 101024*	O,O-Dimethyl 2,2-dichlorovinyl phosphate SEE DDVP
Diethylcarbamazine SEE 1-Piperazine-carboxamide		feed	3725* 41203*	1,1'-Dimethyl-4,4'-dipyridylum dichloride SEE Paraquat
Diethylstilbestrol SEE Stilbestrol		51675*		O-O-Dimethyl-dithiophosphorylmethyl-3-benzoxazolone SEE RP 11783
3,3'-Diethylthiadicarbocyanine iodide SEE Dithiazanine		nutritive value	72068	N <sup>1</sup> -3,4-Dimethyl-5-isoxazolyl-sulfanilamide SEE Sulfisoxazole
Diethyltoluamide SEE Deet		Digitaria ischaemum	29240 70115	O,O-Dimethyl-S-alpha-mercapto-N-methyl-acetamido-dithiophosphate SEE Dimethoate
Dieuches	14736	90595		Dimethyl 2-alpha-methyl-benzoyloxycarbonyl-1-methyl-vinyl phosphate SEE Ciodrin
Differential grasshopper SEE Melanoplus differentialis		Digitaria marginata	18640	3,5-Dimethyl-4-methyl-mercapto-phenyl-N-methylcarbamate SEE Mesurool
Differential Thermal Analysis	6619	Digitaria sanguinalis	29193 29240	O,O-Dimethyl O-(3-methyl-4-methyl-mercaptophenyl) phosphorothioate SEE Baytex
Difolatan	75331	40354 70115 90595		O,O-Dimethyl O-(3-methyl-4-nitrophenyl) phosphorothioate SEE Folithion
Digallogenin	89787*	Digitaria scalarum	50781	O,O-Dimethyl-O-4-(methylmercapto)-3-methylphenyl thiophosphate SEE Baytex
Digera arvensis	47822	Digitogenin	89787*	O,O-Dimethyl O-[4-(methylthio)-m-tolyl] phosphorothioate SEE Baytex
Digestants	12585*	Diglycolic acid	90624	1,2-Dimethyl-5-nitroimidazole
Digestive system	71827	Diglyphus	53433	13530 31895 41632 75010
Aedes aegypti	105809	3:5-Dihalogeno-4-hydroxybenzonitriles	20232 20316	O,O-Dimethyl O-p-nitrophenyl phosphorothioate SEE Methyl parathion
Aiolopus strepens	13932*	3,4-Dihydro-2H-pyran	34021	Dimethyl-beta-propiethetin
Anopheles quadrimaculatus	14704	Dihydromexicanin E	89871	Dimethyl sulfide
Anthonomus grandis	33126	Dihydronicotyrine SEE Dihydropyridine		Dimethyl sulfoxide
Apis mellifera	94579*	Dihydropterin	53121	O,O-Dimethyl-2,2,2-trichloro-1-hydroxyethyl phosphonate SEE Dipterex
Archaea	94750*	Dihydropyridine	32622	O,O-Dimethyl O-(2,4,5-trichlorophenyl) phosphorothioate SEE Ronnel
bacteria	61810*	Dihydroquinazolinone	99862*	Dimethylacetamide
Blaberus fuscus	23929	Dihydrostreptomycin SEE Streptomycin		1-Dimethylallyl-6-aminopurine
cats	92709*	72237		3-Dimethylallyl-2,5,6-trimethyl-1,4-benzoquinone
cattle	82146 103647 103741	Dihydrothiamine	55015 55371	6-(gamma-Dimethylallylamino)-purine
12980* 13025* 31327*		2,4-Dihydroxy-7-methoxy-1,4-benzoxazin-3-one	37851	Dimethylamine
Chrotogonus lugubris	64258	3-(3,4-Dihydroxy-phenyl)-alanine SEE Dopa		4-Dimethylamino-m-tolyl methylcarbamate SEE Bayer 44646
Curculionidae	14534	2,3-Dihydroxybenzoic acid SEE o-Pyrocatechuic acid		4-Dimethylamino-3,5-xyleneol
Dalsira bohndorfii	5395	3,4-Dihydroxypyridine	48559	4-Dimethylamino-3,5-xylol methylcarbamate SEE Zectran
diseases	22426 22737 31588	2,6-Diiodo-4-nitrophenol SEE Disophenol		N-Dimethylamino succinamic acid
103647 12980*		Diiodosalicylic acid	22138 62314	N,N-Dimethylamino succinamic acid
dogs	31588 52049*	Diisocyanates	34632	100127
Empoasca fabae	105812	3,5-Diisopropylphenyl N-methylcarbamate	63484	N,N-Dimethylaminoamaleamic acid
Hemiptera	53407	Diisopropylthiocarbamic acid	101549	78097
Heteroptera	5376	2,5-Diketogluconic acid	6099*	Dimethylaminoethanol
horses	22426	Diketogulonic acid	1367	Dimethylaminoisopropyl alcohol
isopods	5098*	Diketones SEE Ketones		N-(3-Dimethylaminopropyl)-3 propionylphenothiazine SEE Combelen
Latheticus oryzae	14501	Dilan SEE 2-Nitro 1,1-bis(p-chlorophenyl) propane and butane mixture (1-2 ratio)		Dimethylarsinic acid SEE Cacodylic acid
Lycorma delicatula	105858*	Dilatation test	96404*	Dimethyldithiocarbamates
Macrosiphum pisi	14765 14766	Dill SEE Anethum graveolens		O,O-Dimethyldithiophosphoryl acetic acid SEE Phosphamidon
95250*		Dilombrin SEE Dithiazanine		O,O-Dimethyldithiophosphoryl acetic acid N-monomethylamide SEE Dimethoate
mice	104206*	Dilophospora alopecuri	37388	Dimethylethanolamine
Neoitamus angusticornis	95095*	57984*		Dimethylformamide
Odontopus nigricornis	5419	Dilophotopsis stenognatha	5461	92687*
Orthoptera	33467*	Dilophus spiralis	89909*	Dimethylol urea
Oxycarenus hyalinipennis	14723	Dimarella	14990	Dimethylsuccinamic acid
Phalax titan	5395	Dimarellini	14990	bis(Dimethylthiocarbamoyl) disulfide
Platyleura capitata	14755	Dimecron SEE Phosphamidon		See Thiram
poultry	31923*	Dimeflin	13275	Dimetilan
rabbits	94779	Dimefox	63560	Dimetridazole SEE 1,2-Dimethyl-5-nitroimidazole
Scolopendra morsitans	82818 104680	Dimerodiscus	57629	Dimorphanthera
sheep	52441* 93627*	Dimethoate		Dimorphism SEE Polymorphism
swine	4518 73003 52049*	cattle pest control	63514*	Dimorphotheca oil
63277* 104916*		citrus pest control	83413	45111 97195
Tetranychus telarius	53199	105266*		DIN 6164
Tribolium destructor	94924*	coffee pest control	83474	Dinarthrum
Digitalis	47539*	cotton pest control	32760	95666*
Digitalis ambigua		endive pest control	63583	
Digitalis grandiflora SEE Digitalis ambigua		83322*		
Digitalis lanata		fly control	23353 83236	
anatomy and physiology	28013	in beans	55016	
biochemistry	10258* 19418*	in forage plants	54983	
89948* 100631*		in fruit	54983	
fungus diseases		in mice physiology	83205	
genetics	88717*	in plums	83425	
Digitalis lutea	89699*	in Tsuga canadensis	42785	
Digitalis purpurea	19418*	melon pest control	42661	
anatomy and physiology	48103	metabolites	32643	
biochemistry	10258* 27549a*	Morus pest control	83559*	
89809*		ornamental plant pest control	83490	
breeding		Pinus pest control	73305	
fertilizers	48103 70516*	plum pest control	83425	
hybrids	27549a* 89699*	sheep pest control	23153	
Digitalis viridiflora	37799 1310*	stability	63131	
Digitaria	17796 57660*	sugar beet pest control	83382*	
Africa	17807*	toxicity	63131	
control	29352 49421	wheat pest control	73174	
chemical	29182 59987 70051			
70080 78480 29185*				

\*Text of this reference is not in English.



Item		Item		Item	
Dinidorinae	23765	Diplectrona	14952	Diptera--Cont	
4,6-Dinitro-2-sec-butylphenol SEE Dinitrobutylphenol		Diplocarpon earliana	106131	Alaska	95091
Dinitro compounds	75190	Diplocarpon rosae	47216	Albania	83926* 83952* 83954*
4,6-Dinitro-o-cresol SEE Zoalene		Diplococcus	103657*	83962* 83971* 83972*	
3,5-Dinitro-o-toluidine SEE Zoalene		Diplocystis zootermopsidis	33493*	anatomy and physiology	5299
Dinitrobutylphenol	6754 23058	Diplodia 6668	18156 27248a	33147 33221	53301 64047
39464 90688*		Diplodia maydis	99518	73641 83950	23716* 95008*
Dinitroresol	101471* 101537*	Diplodia natalensis	88696	105776*	
effects on Anthonomus grandis	32624	Diplodia pinea	18151*	and disease	14064
effects on grain	70148*	Diplodia rosarum	47355	Angola	105692*
effects on plums	48208	Diplodia viticola	44796 77818	Argentina	64018 43052*
effects on rye	78393*	Diplodia zeae	9105 9163	as parasites	33148* 84013*
herbicide	91556*	Diplodina lycopersici	37216*	Great Britain	5392
in feed	91845*	Diplogastridae	58115	Italy	95056* 95057* 95059*
Dinitrophenol	1358 78627	Diploidy SEE Polyploidy		Palearctic Region	84135*
2,4-Dinitrophenol	52713 69016 69033	Diploknema	46816*	USSR	84167*
69081 89438 100368 101818		Diplolepis	5481* 95344*	as pests	23631* 42538* 63935*
38310* 58436* 100475* 104378*		Diplolepis rosae	23800*	Asia	33135 63985
Dinitrophenyl crotonate SEE Karthane		Diploneis	36956	Australia	14595 64050 105752
2,4-Dinitrophenylhydrazine	74340	Diplopoda		Austria	5312* 84007*
2,4-Dinitrophenylhydrazones	6006	anatomy and physiology	14360	Bear Island	43095
24394 105003		63849 63905 73511*		Belgium	53318*
Dinoben	27939	as pests	42497	biology	33148*
Dinobryon	77455	Borneo	83784	Brazil	43052* 95024*
Dinoderus minutus	43020	California	83762	breeding places	95030 105734
Dinoderus ocellaris SEE Dinoderus		China	53228	43110*	
minutus		control	83136*	Burundi	5263* 14614*
Dinoflagellates	68448 89105	development	94704*	China	73667* 105727*
Dinophyceae	620 68447 88459*	digestion	5065	collecting	33214 53349 94997
Dinophysis	180	embryos	94704*	105737 5250*	5293*
Dinopis longipes	105557	Florida	94689	collections	14672 33188 105708*
Dinopsyllus	84233	France	105575*	Colombia	5267
Dinoseb SEE Dinitrobutylphenol		Georgia	14442 94689	Congo	23703* 14692 23668 14615*
Dinoxycopa SEE Xylocopa (Dinoxycopa)		habits and behavior	73285	Connecticut	23688 95093
Dinychus plaumanni	94778*	Ivory Coast	5070*	control	94259
Diocalandra stigmaticollis	33108	Japan	105583*	cytology	23639 23659 105700
Diectophyma renale SEE Kidney worms		Louisiana	94688	23715*	
Diectria	95061*	Malagasy Republic	73510*	Czechoslovakia	63995*
Diethyl sodium sulfosuccinate	451	Malaysia	53228	Denmark	95010 95064*
Diolena	36938	Mascarene Islands	73510*	digestion	95095*
Diopsidae	14670 105745 5311*	migration	94719	dissemination	83964 43082*
Diorchidium	67935	nematodes	63855	ecology	43067* 63935*
Dioryctria	73828 105367	nomenclature	33055	egg cases	105799
Dioryctria splendidella	83547*	North America	73521	embryos	53300
Dioryctria zimmermani	23411	overwintering	83341*	Ethiopian Region	53305*
Dioscorea	47284 100574	Peru	33051	Europe	5281 5273* 95022*
Dioscorea alata SEE Yams		protective devices	63849	feeding habits	14400
Dioscorea deltoidea	29407	Quemoy	53228	Finland	43067* 73634*
Dioscorea floribunda	27559a	regeneration of parts	53211	food and host plants	32746* 53329*
Dioscorea friedrichsthalii	10224	Taiwan	53228	France	53343* 105735*
Dioscorea sansibarensis	68891	Tanganyika	94729	geographic distribution	14655
Dioscorea sativa SEE Yams		taxonomy	23557 94728	43103 14664*	
Dioscorea spiculiflora	1149 10162	Tonga	14474	Great Britain	5318 5321 73682
27559a		Tropics	42497	83917	
Dioscorea tokoro	28343*	water relations	73535	Greece	73679*
Dioscoreaceae	28343*	Diploptera punctata	73877	habits and behavior	105231* 105719*
Diospyros	8769 99369	Diplotaxis	57644*	Hawaii	43069
Diospyros kaki SEE Kaki persimmons		Diplotaxis tenuifolia	46845	host animal relations	94994* 95056*
Diospyros melanoxylon	71521 91503	Diplura SEE Entotrophi		95058* 95059*	
Diospyros peregrina	78961	Diplusodon	57606	hybridization	33137
Dioxane	12432 79964*	Diplycosia	57649	India	95029
Dioxathion	83464*	Diprion pindrowi	32897	Indiana	95033
Diparopsis watersii	14867* 105916*	Diprion pini	23403* 94482* 105391*	Iran	64030 64031
105951*		Diprion sertifer SEE Neodiprion sertifer	94457	Iraq	43083
Dipetalonema	103985	Diprion similis		Italy	105778* 105779*
Dipetalonema grassii	72378*	Diprionidae		Japan	43117
Dipetalonema reconditum	72378*	color	23798	Lapland	95030
Diphadium SEE Lycopodium		control	63721*	larvae	33158 33214 83998*
Diphenamid	2024 29188 59929	ecology	83545	anatomy and physiology	5336
70103 79791		eggs	14813*	14361 83948 13951*	14647*
Diphenyl SEE Biphenyl		Florida	83545	73649* 73672*	83961*
Diphenylamine	9657 16047 34696	genetics	23798	Colorado	95047
37469 55138 55156 72516		larvae	83545	Great Britain	73619 83919
34802* 37443*		outbreaks	23403*	105701	
2,3-Diphenylindene derivatives	4184	parasites	14785 23803 14813*	habits and behavior	53316
Diphenylmethane	61451	63721*		Maine	53298
Diphosphopyridine nucleotide SEE		populations	53429	Micronesia	83994
Codehydrogenases		Dipsacaceae	68436*	mountain areas	95108*
Diphyllobothriasis SEE Tapeworms		Dipsacus	101561	Nearctic Region	23634 73628
Diphythrips n g	95671	Dipsacus fullonum	48475*	nematodes	43066 94259
Diplacus SEE Mimulus		Dipsacus pilosus	26859a*	Neotropical Region	23700
Diplanthera wrightii	100370	Dipsacus strigosus	17685 26859a*	Nepal	105725
Diplarche	88389	Diptacus	83765 83766	New Zealand	5340
Diplasiolejeunea	77442*	Diptera		nomenclature	14602 73623 94996
Diplasium wichurae	67894	Afghanistan	95062 95102*	North America	53326 95072
Diplatia	8670	Africa	63990* 95082*	orientation	33138*
		age	53301	Pacific area	95078

\*Text of this reference is not in English.

	Item			Item			Item	
Diptera--Cont			Disease-free animals SEE UNDER In-			Ditilin SEE Succinylcholine chloride		
Paleartic Region	5297*	83995*	sects; Livestock and names of Ani-			Ditiola	67951	37003*
84013*			mals			Ditropsis n g		64131*
parasites	23377	94259	Diseases SEE Health; Human diseases;			Ditylenchus allii		88916*
phylogeny		14695	Phytopathology; Veterinary medicine;			Ditylenchus angustus		99690
Poland		84005*	names of diseases and vectors; and			Ditylenchus destructor	68307	518*
Polynesia			SUBHEAD diseases, and classes of			18386*	88917*	
Portugal			diseases UNDER Insects, Livestock;			Ditylenchus dipsaci	47595	9280
pupae			Plants, and names of animals, insects,			47595	68335	79216
pupal cases			and plants			88922	88923	99728
rearing and breeding			Disinfectants			88922	27367a*	37501*
rearing and breeding equipment			application			88909*	88932*	58122*
			effects on animals			alfalfa	47443	47584
			effects on bacteria	34808*		beets		77962
			effects on eggs			control		58122*
			effects on viruses			Narcissus		77972*
			in dairy industry	6504		oats		58133
			74964	6509*	33629*	onions	77949*	37492
			74985*	74994*	84535*	99730*	99674*	99675*
			86227*			potatoes		77718
			in meat industry			strawberries		99688
			in milk			Diuredo-acetic acid		68326*
			in poultry industry	31996		Diuretics	64114	82300
			93495			Diuretics	61916	104184
			in veterinary medicine	30865*		52050*		30977*
			61753*	71824*	81720*	Diurnal rhythm		48199
			81828*	91954*	103310*	Acheta domesticus	14926	95576
			Disodium ethylene diamine tetra-acetate			animals		89366
			SEE Ethylenediamine tetraacetic acid			Anopheles claviger		23732*
			sodium salt			Anthonomus grandis		73060
			Disodium ethylenebisdithiocarbamate			ants		14823
						beans		27845*
			Disodium inosinate			Carabidae		105642*
			Disophenol	13486	52023	Drosophila	14608	89366
			Displaced persons			insects		33026*
			Disporum			Leiurus quinquestriatus		5061
			Dissection	62670	12575*	Machilis burgundiae		14984*
			32016*			mosquitoes		5347
			Dissertations SEE Theses			Ostrinia nubilalis		95371
			Dissochaetus			Periplaneta americana		53545
			Dissoptera			plants	58293	58902
			Distantada n g			81129	89366	
			Distantadini			reviews		78515
			Distantiella			safflower		89519
			Distantiella theobroma			Simulium venustum		5254
			control	105271	105316	Sitophilus granarius		105609*
			104972**			Tetranychus telarius	94006	95576
			insecticide resistance	13929	105316	Ulva lactuca		28139*
			104972**			Diuron	2032	2060
			rearing and breeding			20290	29221	9881
			Distemper SEE Canine distemper; Feline			34695	60007	29273
			infectious encephalitis			74141	79835	29273
			Disteniinae			101584	101591	60015
			Distichophora					90591
			Distilled water					39465*
			Distilling	15534	24398*	Divaric acid		38564*
			34895*			Diversified farming		16563*
			Distomatosis SEE Liver flukes			Alabama		108384
			Distylium			Australia		56395
			Disulfide group			El Salvador		97838
			Disulfides	7067	54992	Georgia		108360*
			74804	75142	85901	Germany		97874
			107160	7042*	27816*	Great Britain		45844*
			1,3-Disulfo-hexo-furanose			Hungary		31656
			Disulfoton			India	35835	76232
			DiSyston SEE Bayer 19639			Japan	19576*	26771*
			Difanyomeria n g			26861*	26873*	26771*
			Ditches SEE SUBHEAD canals and ditches			35779*	35797*	33575*
			UNDER Drainage; Irrigation			97890*		35837*
			Diterpenes	1283	21661	Malaysia		76349
			61519	100567	100614	Michigan	76399	76416
			102990	100640*		Middle Western States		45792
			Dithane S-31			Netherlands	16901*	26900*
			Dithane Z SEE Ethylenebisdithiocar-			76368*		45904*
			bamic acid			New Zealand		35834
			Dithane Z-78 SEE Ethylenebisdithiocar-			North Carolina		92619
			bamic acid			Northern Rhodesia	76231	86945
			Dithiazanone	31593	103962*	86963		
			Dithiazanone iodide	3812*	3975*	Norway		104519*
			31933*			Pakistan		11741
			Dithiocarbamates	24355	59051	Republic of South Africa		76097
			64939	68219	104113	Southern Rhodesia		86963
			77800*	78361*	99265*	Sweden		56376
			Dithionites			Tanganyika		86965
			Dithiophos SEE Sulfotep			Uganda		66861
			Dithiophosphoric acid SEE Phosphorodi-			USSR		26765*
			thioic acid			Washington		106221
			Dithizone			Dixeia charina		43238*
						Dixeia doxo		43238*
						Dixidae		23688
								23640

\*Text of this reference is not in English.



## Item

Dixinae 105735\*  
 Dixippus morosus SEE Carausius mo-  
 rosus  
 DL-Cystine 42012\*  
 DL-Epilupinine 79081\*  
 DL-Lupinine 79081\*  
 DLN 52776\*  
 DMA 20297 90625 90677  
 DMDT SEE Methoxychlor  
 DMU SEE Dimethylol urea  
 DNA SEE Nucleic acids  
 DNBP SEE Dinitrobutylphenol  
 DNC SEE Dinitrocresol  
 DNOC SEE Dinitrocresol  
 DNP SEE 2,4-Dinitrophenol  
 Dobsonfly SEE Corydalis cornutus  
 Doclostaurus kraussi 53537\*  
 Doclostaurus maroccanus 64261\* 83201\*  
 Dock SEE Rumex  
 Docking 32282 52492 41789\* 63336\*  
 Documentation 67169  
 accounting 87142\*  
 agricultural education 108732  
 agriculture 35675 36126 56339  
 56846 66668 8117\* 35628\*  
 35728\* 45671\* 46165\* 66691\*  
 67470\* 88097\* 108699\*  
 agronomy 10290\*  
 biology 98424  
 botany 35628\* 57442\* 98718\*  
 Camellia 20015  
 consumption 6055\*  
 crickets 95578  
 dairy industry 74701 74709 34305\*  
 Diptera 14602  
 directories 15373 35628\* 76122\*  
 economic poisons 108998 109001  
 109014 109036 109055 77552\*  
 economics 7623 26427  
 entomology 94673\* 94682\*  
 extension work 36117  
 fibers 15815\*  
 flora 36758  
 food 15373 33951 96090  
 forestry 80846 102373 102374  
 35628\*  
 human nutrition 8321 27299\*  
 insect control 93990\*  
 Lepidoptera 84133  
 nematodes 9298  
 Odonata 43334  
 plant protection 93990\*  
 plant taxonomy 67796\*  
 policies and programs 36419  
 recreation 87512  
 seeds 8573  
 sociology 76566  
 soil chemistry 101635\*  
 soils 39635  
 textiles 15815\* 15820\* 15871\*  
 water supply 60690  
 wood-using industries 2888\*  
 SEE ALSO Bibliographies  
 Dodder SEE Cuscuta  
 Dodecatheon 8702  
 Dodecatheon meadia 42413  
 Dodecyl gallate 75552\*  
 Dodecyl-guanidine 9052 27146a  
 37243 57928 57929 78787  
 18125\* 47236\* 77675\*  
 Dodecyl sodium sulfate 48530 99638  
 Dodidium 88470\*  
 Dodine 37399 47267 75211 88728  
 57880\* 57897\*  
 Dodonaea viscosa 1817 58809  
 Dog follicle mite SEE Demodex canis  
 Dog foods 42981  
 Dogs 22370 72449  
 abnormalities 3814 3815  
 3891 13244 13249 13298  
 22328 22335 31556 41763  
 52031 52045 52054 62524  
 62548 72376 72388 92704  
 103980 13238\* 82388\* 92731\*  
 age 92679\*  
 anatomy and physiology 3821 13246  
 22334

## Dogs--Cont

as laboratory animals 31586 62556  
 72424 72449 82410 92748  
 104058 104059 92683\*  
 as predators 13744 72448\* 82409\*  
 Belgium 3778\*  
 breeding 22315 52004 52054  
 92683\*  
 breeds 92682 103947 72364\*  
 92679\*  
 Beagle 13254 31586 62556  
 82354 104058 104059  
 Beauceron 62475\*  
 Border Terrier 31530  
 Boxer 52006  
 Bull Mastiff 52006  
 Chow Chow 72384  
 Collie 13219 22317 31555  
 72363 72382  
 Dachshund 13265  
 Dalmatian 103989  
 German Shepherd 52003 62531  
 82353 3873\*  
 Greyhound 3852 13226 13241  
 13242 31576 52011 92713  
 Picardy Shepherd 103948\*  
 Rhodesian Ridgeback 31572  
 care 3918 31565 31638 72367  
 82408 82410 104059 22369\*  
 92683\*  
 color 72382  
 contest 72364\*  
 cytology 82354 92728 104000  
 30949\* 31579\*  
 deficiency diseases 3841  
 diseases 13262 31577 52051  
 92748 92769 3865\*  
 diagnosis 3840\* 3886\* 52026\*  
 92765\*  
 history 3787  
 Hungary 52035\*  
 New Zealand 103974  
 transmission 52056 72430  
 treatment 3804 82369 104007  
 31539\* 31606\* 62500\* 62525\*  
 92688\* 104011\*  
 reviews 92725\*  
 embryos 3893 92695 92748  
 estrus 13259  
 feeding and nutrition 13223 13295  
 31617 62476 72366 72406  
 92723 92769 22320\* 22369\*  
 62477\*  
 fertility 41730  
 fossil 104056 92772\*  
 genetics 22315 82356 92684  
 103947  
 germ-free 13253  
 conferences and congresses 104195  
 Great Britain 41735  
 growth 103981  
 guide dogs 22317  
 habits and behavior 3916 3919  
 13245 22334 31635 31636  
 41800 52064 52065 62531  
 62555 72445 82356 92770  
 92773 104057 31559\*  
 hereditary diseases 13253 31557  
 52054 72389 82353 92694  
 82388\* 104018\*  
 history 3917 31637 72444  
 infectious diseases 52020 92748  
 103960  
 injuries 3833 31574 72377  
 72383 82358 82383\*  
 foreign objects 3796 3894  
 22331 41791 72427 92715  
 104010 22363\* 82368\* 92709\*  
 treatment 3813 41740 41748  
 82362 92739\*  
 immunization 13289  
 kennels 3918 31048 31575  
 legal aspects 13313  
 locomotion 82396\*  
 metabolism 13295 22348 31588  
 31606\*  
 mortality 22337 31586 41795  
 52021 72382 103976

## Item

## Dogs--Cont

parasites 31575 92695 92730  
 3812\* 72379\* 82397\* 103962\*  
 103963\*  
 pest control 3825 4752 42488  
 73143 73170  
 pests 14015 23117 23172  
 32672 63519 63522 73170  
 94092 105086 105094 105145  
 14032\* 42555\* 72379\*  
 poisoning 3816 3888 3909  
 13232 13991 42516 52033  
 52034 52781 62480 62544  
 73067 13230\* 72391\* 72375\*  
 pregnancy 31614  
 racing 3852 52011 92713  
 records and testing 52003 92682  
 104058  
 reflexes 13245 82373\*  
 regulation and inspection 17203  
 respiration 22341 104044 3810\*  
 41772\* 41773\* 41792\* 41793\*  
 respiratory diseases 92722 3784\*  
 restraint 92762\*  
 sanitation 92725\*  
 reviews 31634  
 shows 62555  
 sleep 72364\*  
 sporting 22318\*  
 studbooks 41735 3778\* 22318\*  
 41736\*  
 Boxer 13218\*  
 German Shepherd 92685\*  
 Greyhound 13220 62473 62474  
 Poodle 92680\*  
 Rottweiler 103946\*  
 Terrier 13221\*  
 surgery 3828 3829 3831  
 3856 3870 3877 3904  
 13243 13273 13274 13293  
 13294 22359 31560 31565  
 41771 41788 52011 52030  
 52037 52039 52053 62493  
 62501 62507 62519 62521  
 62524 72394 72411 82404  
 92732 92760 103933 103951  
 103955 103970 103998 103999  
 104003 104009 104010 104025  
 104030 104032 104043 104044  
 104054 104055 13271\* 22331\*  
 31561\* 31580\* 31623\* 41778\*  
 52012\* 62513\* 62534\* 62537\*  
 82367\* 82368\* 82370\* 82371\*  
 82389\*  
 Sweden 22318\* 92679\*  
 Switzerland 41736\*  
 temperature 52055\*  
 terminology 92771\*  
 trade 17203  
 training 31638  
 types 92774\*  
 vices 41798 104057  
 virus diseases 13289 13228\*  
 72381\*  
 vision 13248  
 war use 62554\*  
 working 13223 52004 92768  
 92769 103974 22372\*  
 SEE ALSO names of anatomical parts,  
 body fluids, diseases and other patho-  
 logical conditions, operations, para-  
 sites, and pests  
 Dogwood SEE Cornus  
 Dolabra n g 99065  
 Dolabra nepheliae 99065  
 Dolerite 49903  
 Dolichoderinae 33296 43215\*  
 Dolichomitrus 53424  
 Dolichocheza 33135  
 Dolichopoda geniculata 5585\*  
 Dolichopodidae  
 Africa 84008\*  
 Corsica 23937\*  
 habits and behavior 73615  
 Italy 105779\*  
 Nepal 105725  
 North America 53326  
 prey 5285

## Item

\*Text of this reference is not in English.

	Item			
Dolichopodidae--Cont				
Solomon Islands			64040	
Dolichopus			53326	
Dolichopus gratus			5285	
Dolichos			20476	
Dolichos lablab SEE Hyacinth Dolichos				
Dolichotetranychus floridanus			63885	
Doliphoceras niger			73775	
Dollarspot				
grasses			47076	
Dolomite	2325	2350	60615	
	80254	90840	60410*	
Dolychol			52343*	
Domatol			43673*	
Domestic animals SEE Livestock				
Domestication SEE UNDER Animals				
Domotorina			94678	
Dominal			3880*	
Domnus			5430*	
Dondren			3219*	
Donkeys SEE Asses				
Donnan equilibrium			60142	
Doom SEE Milky disease				
Doors	24560	30596	64581*	74210*
Dopa decarboxylase			83991	
Doralis fabae SEE Aphis fabae				
Doratoperas atroparsellus			83352*	
Dorcatominae			5147*	
Dorema			19070*	
Dorilaidae			23668	
Dorilas			23668	
Dorotheanthus SEE Mesembryanthemum				
Dorsal vessel SEE Heart, insects				
Dorylinae	23802	53213	95360	
Dorylomorpha			5267	
Dorylus fulvus punicus			63505	
Dorysthenes hydropicus			105237*	
Doss SEE Diocetyl sodium sulfosuccinate				
Dothichiza populea		18168*	27183a*	
	69254*	88693*		
Dothidella ulei SEE Melanopsammopsis ulei				
Dothistroma pini		37368	57916	
Double gee SEE Emex australis				
Double muscling SEE Muscular hypertrophy				
Douglas fir SEE Pseudotsuga menziesii				
Douglas-fir beetle SEE Dendroctonus pseudotsugae				
Douglas-fir tussock moth SEE Hemerocampa pseudotsugata				
Doumpalm SEE Hyphaene				
Dourine		82444*	104109*	
Doves SEE Pigeons				
Dowco 132				
cattle parasite control			73148	
	103650	72289*		
cattle pest control		4712	14034	
	32727	52790	63495	73148
	63481*	94057*		
effects on sheep			52479	
in milk		14034	54514	
Dowco 163		29555	70644	80059
	80131*			
Dowco 184			76903	
Dowicide SEE Sodium-ortho-phenylphenate				
Downesia			23624*	
Downingia			8766	
Downy brome SEE Bromus tectorum				
Downy mildew				
alfalfa			57926	
broccoli			99339	
cauliflower			68151	
corn			68626	
hops		37204	47227	
lettuce			59894	
lima beans	37246	37336	47414	
muskmelons			47215	
sorghum			47358	
soybeans			27124a	
sugar beets			47222	
sugarcane		47363	77757	
sunflowers			47297	
tobacco		402	9113	
	18140	27179a	37305	88721
	99411	9153*	47311*	53806*
Dowpon			70161	

	Item			
DPA SEE Dalapon				
DPNH SEE Codehydrogenases				
Dracaena			79609*	
Dracocephalum austriacum			46901*	
Dragonana			95174	
Dragonera SEE Bireta (Dragonera)				
Dragonflies SEE Odonata				
Drainage				
	11796	40306	60587	60688
	78603	80547	80572	80619
	91239	91248	99750	102179
	20930*	50239*	70727*	70735*
		60551	60608	80564
Arkansas			29927*	
associations				
Australia	50301	80655	102235	
Belgium		29887	70782*	
bibliographies		60646	80613*	
Brazil			40238*	
Bulgaria			50236	
California	9003	50291	94177	
Canada		11728	70764	
canals and ditches		2543	11806	
	40232	70700	80515	80545
	50258*			
Austria			91244*	
construction		29888	2529*	
	70775*			
construction equipment			40210*	
	70740*			
designs and specifications			80516	
Estonia			11815*	
Germany			50264*	
East Germany			50229*	
Italy			60661*	
legal aspects			2563	
linings	29900	29901	50286*	
maintenance and repair			21004	
	2585*	20915*	20922*	40276*
	40295*	50350*	70731*	70756*
	80669*	91310*		
maintenance and repair equipment				
	40186*	40276*	80669*	
Netherlands			70731*	
plastic			11693	
Poland			91280*	
Republic of South Africa			21004	
Taiwan		40294	40213*	
weed control		29357	20299*	
	90741*	101524*	102186*	
		chemical	70108*	79772*
	79813*			
Oregon			11121	
USSR			11096*	
Western States			29368	
			90857	
Chile				
China		91273*	102148*	102170*
	102199*	102238*		
Colorado			29902	
cooperatives			2504*	
costs		50296	80646	
Australia			60699	
Denmark			11749*	
Finland			91267	
Florida			40207	
Israel			50280	
Poland			35640*	
Denmark			11726*	
Eastern States			70764	
equipment	11697	11775	20849	
	20945	40245	80619	91238
	91245	91304	40315*	
Australia			2580	
Austria			40189*	
California		11731	60632	
Canada			29888	
China			60703	
Czechoslovakia	50346		20939*	
Denmark			29928*	
Germany	20921*	40278*	60577*	
	60628*			
East Germany		40197*	40227*	
	40272*	50342*	70757*	
Italy			91284*	
Missouri			84407*	
Netherlands		53761*	60645	70775*
	70789*	80557*		
Norway			20875*	
Poland		40286	60649*	

	Item			
Drainage--Cont				
equipment--cont				
Sweden			20848*	
USSR	2506*	20868*	50243*	
	50276*	60648*		
Estonia			11742*	
Finland			40234*	80622*
Florida	40207		59533	60697
France	2174*		50241*	
Germany	50158		11772*	40143*
	50328*	60637*	91235*	106172*
East Germany			50254*	70742*
	91323*			
Great Britain		20858	50334	
	70691	101777		
history			11755	50238
Illinois				80168
India				11179
Indiana				11729
Iowa				11290
Italy				80537*
Japan	11751*	40196*	102173*	
labor		45571*	45572*	
legal aspects			91264	
legislation			40178	
Lithuania			2530*	
Minnesota		40241	80644	
mountain areas			102224	
Netherlands	20940	60605	2554*	
	11695*	11798*	40233*	40303*
	70737*	70754*	70806*	101770*
New Hampshire			20923	
New Jersey			94125	
New Zealand		11701	50252	
	70703	102227		
Northeastern States			40307	
Northern Ireland			50337	
Ohio		21001	50327	
Oregon			20944	
Pakistan	20902	29941	40144	
Poland	2568*	29892*	29945*	
	40255*	80596*	89436*	91283*
	91308*			
policies and programs			7672	
	29916	40154*	50220*	102181*
research methods				
statistical		20815	40228	
	40279	70778	70714*	70754*
research programs			102246	
reviews			80536*	
Rio Grande Basin			40247	
Rumania		2570*	29964*	
South Carolina			2535	
South Dakota			29924	
Southeastern States			70798	
subsidies			26728*	
Surinam			50222*	
Sweden	2532*	2544*	20848*	
	40162*			
tile	11702	11731	29916	40165
	40228	40279	50268	50327
	60599	60606	60632	60645
	70700	80595	80628	91324
	29934*	40319*	50276*	50330*
	70787*			
reviews			80536*	
Turkey			11782	
USSR	49609	2553*	11746*	
	11757*	11765*	11780*	29883*
	29934*	29936*	29970*	29975*
	49646*	50218*	50221*	50226*
	50243*	50311*	50326*	60598*
	60616*	60706*	70761*	79106*
	80600*	91314*	102114*	102180*
	102183*	102230*	102233*	102249*
United Arab Republic		70729*	80673*	
Utah			94073	
Vermont			91226	
SEE ALSO Mole drains; and UNDER Forests; Marshes				
Drakiessa			5402	
Drapetes			105621*	
Drapetides n g			43277*	
Drapetis			14672	
Drasterius			94836*	
Dratomaceae			67927	
Drechslera SEE Helminthosporium				

\*Text of this reference is not in English.



Item			Item			Item		
Drechslerella n g		57744	Drosophila--Cont			Drosophila melanogaster--Cont		
Drepanidae	32892	105394	mortality		5332	genetics--cont		
Drepanocerus saegeri		14494*	Nearctic Region		105703	64016	64021	64033
Drepanocladus lapponicus		8797*	Neotropical Region		105703	64043	64053	73635
Drepanocyrus		5628	North Carolina		105737	73678	73683	83921
Drepanopteryx		95675	nutrition		33162	83925	83930	83941
Drepanosiphum acerinum		23759	overwintering		33202*	83946	83965	83966
Drepanulatrix hulsti hulsti		5502	parasites		83987	83977---	83979	83984
Drepanulatrix monicaria		95395	populations	5257	5283	83993	83997	84001
Drewry's method		3614*	14609	14610	14634	84006	95007	95020
Dreyfusia SEE Chermes			23227	53313	73678	95041	95045	95046
Dri-Die SEE Silica gels			95104*			95052	95087	105714
Dried-fruit beetle SEE Carpophilus he-			Florida		105703	105755	105756	105784
mipterus			research methods			5330*	14619*	14687*
Dried-fruit mite SEE Carpoglyphus lac-			statistical		14634	33216*	33218*	64045*
tis			respiration		64012	83945*	83975*	105695*
Driers SEE SUBHEAD drying equipment			sonification		53362	105765*		105722*
UNDER specific subjects			speciation		53340			
Drikil		63521	surveys	5328	64057	habits and behavior	14612	23643
Drilidae		73610*	95104*			33151	63596	73635
Drills		84434	taxonomy		43101	hybridization		64043
electric		50311*	test insect	13973	105076*	insecticide resistance		93979*
Germany	43573	43560*	variation		5264	Java		53364
43580*		43566*	Venezuela		5251*	larvae	23685	23708
India		106281	viruses	64020	43073*	43049	53302	53341
Japan	33677*	53735*	Drosophila ananassae		5327	14668*	14687*	23665*
operation	15128*	33679*	Drosophila athabasca		105738			105783*
74063*	84437*	43568*	Drosophila auraria		5283	metabolism		14593
parts		64430	Drosophila azteca		95044	metamorphosis		5298
tests		84448*	Drosophila bandeirantorum		14666	migration		64042
Turkey		84445*	Drosophila busckii	14637	105729	mortality	23685	53319
types		84438*	Drosophila euronotus		53357	nutrition	5269	23694
USSR	74046*	74062*	Drosophila flava SEE Scaptomyza flava			43062	53302	64003
84432*	84450*	95838*	Drosophila gaucha		83960	73626*		95085
Drilus		73610*	Drosophila griseolineata		14666	Oregon		53364
Drimys winteri		30742*	Drosophila hydei		5235	parasites		83945*
Drino munda		23651	Drosophila kikkawai		83937	populations	5298	14588
Drione		105343	Drosophila melanogaster			14676	14688	33171
Dromica		63910*	abnormalities	33141	33213	63991	83977	83979
Dromius		94887*	43125			105739	105740	93964*
Dropsy	62499	104306	adaptation		93979*	protective devices		83945*
51952*			age	5278	33185	proteins		105783*
SEE ALSO Ascites			anatomy and physiology	95066	95085	pupae		23706*
Drosanthemum		77307	14671	33136	43115	rearing and breeding	23642	53327
Drosera	64210	68995*	53359	53364	64028	53364	64043	95066
99879*		89109*	73627	83982	33208*	14621*	33218*	105714
Drosera filiformis		17732	and plant disease		14170	reproduction		14626
Drosicha mangiferae		105254	biochemistry		5272	83931	83965	95014
Drosicha quadricaudatus		43167	14694	33181	33200	respiration		64012
Drosicha stebbingi	23739	83394	control	23226	42590	sterilization		23670
Drosophila			83160	93964*	63596	tagging		23704
anatomy and physiology		14693	cytology	668	5336	test insect		13943*
33165	53342	53355	14677---	14679	43045	variation	5298	53354
84011		73840	64039	73650	83925	viruses		53353
bibliographies		73680	95067	104974	105718	Drosophila (Hirtodrosophila)		73642*
biochemistry	5272	105742	23706*	83725*	105767	Drosophila nigromelanica	5328	64051
California		14609	development	14616	14675	Drosophila obscura	53308*	53323*
cold hardiness		43092	53353	53354	73627	Drosophila paglioli		63997
control	32789	63614	diseases	23693	33157	Drosophila paulistorum	33150	43058
cytology	5235	14695	egg cases		105799	43087	95023	
58326		23649	eggs	53327	83941	Drosophila pavani		53307
dissemination		53323*	83988*		83980	Drosophila persimilis	53362	14609
diseases	63987	64036	embryos		73650	Drosophila (Pholadoris)		43100
eggs		83988*	enzymes	23712	53334	Drosophila polymorpha		43070
embryos		105748*	95041		83929	Drosophila pseudoobscura		14609
enzymes	23660	33217	fecundity		53359	33191	33203	33207
fecundity		33191	fertility		33215	development		5325
genetics	5240	5243	genetics	5217	5228	genetics	5257	5258
5265	5272	5283	5242	5264	5269	5332	14610	14682
5313	5327	5334	5275	5278	5298	83998	105771	83932
14610	14611	14634	5313	5319	5326	populations	5325	14682
14643	14666	14682	5339	14586	14588	105771		83932
23503	23635	23636	14616	14618	14620	sonification		53362
23674	23695	23697	14667	14675	14678	Southwestern States		83932
33133	33217	41859	14684	14688	14689	variation		5314
43101	43111	53313	23644	23645	23663	Drosophila robusta	14643	23680
64008	64020	64022	23685	23694	23699	Drosophila rubida		53340
64036	89281	95015	23712	23717	33141	Drosophila serrata		5264
105703	105713	105736	33164	33169	33171	Drosophila simulans	5264	23712
105762	43088*	83990*	33179	33185	33200	53341	73678	105739
105780*			33213	33215	43049	Drosophila subobscura		
bibliographies		83951	43091	43097	43125	dissemination		53323*
geographic distribution		64057	53309	53310	53319	fertility		95088*
habits and behavior	41859	64057	53330	53333	53334	genetics		5268
hybridization	5313	33150	53348	53350	53354	hybridization		95107*
illustrations		5251*	53359	53360	53367	orientation		53308*
larvae		14590	63991	63999	64003	populations		95088*
metabolism		43044	64007	64013	64014	Drosophila victoria group		43100

\*Text of this reference is not in English.

	Item			Item			Item	
<i>Drosophila virilis</i>	5256	23690	Drought--Cont			Drugs--Cont		
73644 95014 105754	105774		SEE ALSO SUBHEAD	drought resis-		in feed--cont		
<i>Drosophila willistoni</i>	5313	33162	tance UNDER Plants	and names of		32013* 41341*	41949*	81783*
14690*			plants			83056* 107103*		
<i>Drosophilidae</i>			Drought insurance	97633		reviews		107071
anatomy and physiology	83976		Drug plants	70196 103168	20327*	in livestock products		65882
biology	84000*		39583* 39620* 70201*	70202*		in meat	55483	55491 107650
color	73840		acreage and area		45382*	in milk		62378
Costa Rica	23707		Africa		60056	in water		32013*
genetics	83976		Albania		29414*	pests		83527*
Korea	73642		anatomy and physiology		29387*	research methods		
populations	23227		48369* 78755*			statistical		3198
reproduction	43100		biochemistry	48628	100597	<i>Drummondia n g</i>		46971*
types	23707		10199* 78755* 101599*			Dry berry		
<i>Drosophyllum lusitanicum</i>	712*		breeding		60045*	boysenberries		37297
Drought	49651	65216	Bulgaria		49554*	Dry cleaning		63671
Argentina		28618*	China	57455	66309	Dry farming	2107	7574 28446
Austria	11781	89708*	101602*			102083		
Brazil		48897*	collecting and preserving		79892	Colorado		70465
California		38117	conferences and congresses		79878*	desert areas		49854
Canada		103410	90755* 101603* 101604*			Great Plains		
China	60078	65824	costs and returns		76423*	reviews		59320
effects on <i>Aeneolamia varia saccharina</i>		5394	culture	20343	101630*	Idaho		20745
effects on <i>Agropyron intermedium</i>		18999	cytology		18581	India	60563	80709 11677 28597
effects on animals	4337	6621	Czechoslovakia		90767*	Italy		61667*
92083 92133 92336	103550		ecology		48369*	Japan		45894
103569 104619 104620	51619*		Europe		79915*	Malawi		50262
93661*			France	49542*	60055*	Montana		56495
effects on barley		38041*	fungus diseases	9037	99113	North Dakota		7955
effects on beans		38025	Germany	2077* 2078*	39587*	Oklahoma		34134
effects on cattle	12854	62119	45382* 70200* 70218*		79888*	Pakistan	7852	20791
72314 92192 13214*			90760* 90761* 101606*			Republic of South Africa		70617
effects on <i>Cercopidae</i>		5394	germination		68830*	South Dakota		108405
effects on <i>Chamaecyparis lawsoniana</i>		52978*	identification		90754 101608	Texas	7852	34134
effects on coconuts		48016*	India	60050	18496 49571 60030	Western States		49854
effects on corn	9721	78362	history	20337	60039* 79899*	Dry rot		
38447* 89617*			84749*			lettuce		47442
effects on crickets		5590*	in folklore		60039*	potatoes	57907	107375
effects on <i>Eucalyptus citriodora</i>		61187	Italy	11129* 11151*	39585*	wood		83542
effects on <i>Fagus</i>	71243	68069*	39617* 79903	49537* 90784	60049*	<i>Dryas octopetala</i>		103*
effects on field crops	19453*	89708*	Mexico		49544*	Drying of foods SEE SUBHEADS dried;		
effects on forest fires		2871	New Zealand		99831*	drying UNDER names of commodities		
effects on forests	71249	81189*	nomenclature		49549*	Drying oils	7300 7312	26117
effects on fruit	69691	23277*	North Carolina		77286*	71518 97208		7262
37942*			Pacific area		101608*	reviews		43193* 64169*
effects on grain		69077*	Pakistan	18581	79869	<i>Dryinidae</i>		105697
effects on grasses		89700	pests		14130	Drymini		5391
effects on insects		23277*	planting		90756*	Drymus		91559
effects on mites		23277*	Poland	2084*	3215*	<i>Dryobalanops aromatica</i>		33345*
effects on pastures and meadows		1578	pollen		78095*	<i>Dryocosmus kuriphilus</i>	84088	64044*
effects on peas		27940*	production regions		55983*	Dryodon SEE <i>Hydnum</i>		5142* 43030*
effects on <i>Picea</i>		81192	Senegal	20334*	90764*	<i>Dryomyza analis</i>		17808
effects on <i>Pinus resinosa</i>		21231	situation and outlook	55988*	55996*	<i>Dryopidae</i>		42969*
effects on <i>Pinus taeda</i>		71201	55997*			<i>Dryopoa n g</i>		
effects on plant disease		77872	statistics		54350*	<i>Dryopoidea</i>	5126* 33084*	
effects on plants	19007	58490	Taiwan		75917*	43029* 83896*		43030*
58907 89541			taxonomy		29387*	Dryops		83896*
reviews	78482	78518	USSR	29417* 39593*	49575*	<i>Dryopteris</i>		
effects on potatoes	100179	48463*	60029* 60052* 79907*		88991*	biochemistry		
effects on <i>Quercus</i>		78597	90775* 101631*			77427*		
effects on <i>Quercus frainetto</i>		40583	United Arab Republic		39596	California		8775
effects on <i>Quercus robur</i>		40583	varieties		90255*	culture		28970
effects on rice	978*	28220*	waste utilization		91869*	hybrids		157*
100543*			SEE ALSO names of drug plants			morphology		58232*
effects on ruminants		91913	Drugs		93954*	Netherlands		157
effects on safflower		38400*	conferences and congresses		105011	taxonomy	17824	77427*
effects on sheep		93583	effects on <i>Bacillus thuringiensis</i>		84190	USSR		57672*
effects on shrubs		100159*	effects on <i>Blaberus craniifer</i>		64034	<i>Dryopteris abbreviata</i>		88431*
effects on soybeans		978*	effects on <i>Drosophila melanogaster</i>		14018	<i>Dryopteris cristata</i>		77427*
effects on sugarcane		69059	effects on <i>Glossina pallidipes</i>		83847*	<i>Dryopteris filixmas</i>	913*	28245*
effects on <i>Tenthredinidae</i>		83567*	effects on insects		53131	69303* 77427*		47664*
effects on trees	100159*		reviews			<i>Dryopteris phegopteris</i>		17825
effects on vegetables		23277*	effects on <i>Periplaneta americana</i>		84190	<i>Dryopteris simulata</i>		88431*
effects on wheat	10038*	69103*	effects on rats		42399	<i>Dryopteris tavelii</i>		68488
100157* 100807*			effects on toxicity of venoms		52815	<i>Dryopteris varia</i>		77427*
France		18871*	effects on <i>Tribolium confusum</i>		83847*	<i>Dryopteris villari</i>		57652
India		17460	in feed	4171 5504	15803	Drypetes		14498*
Mexico		50316*	22616 34099 44390		44391	Dryptinae		14498*
Missouri		77098	51393 51400 51406		55483	Dual purpose cattle	3388	3416
Poland		58907	55491 61879 71991		85544	92148 92203		
Rumania	40171*	40181*	93388 104107 15777*		15779*	Dubbing SEE Comb and wattles		
Texas		67069	30808* 30967* 30987*		31846*	Dubinidine		58963*
USSR	40266* 40288*	70255*				Dubouzetia		8767*
91013* 102104*						Duck eggs	45209	97297
						Duck livers		104469*

\*Text of this reference is not in English.



Item				Item				Item			
Duck meat	45211	13455*	35270*	Durio SEE Durian				Lysdercus fasciatus	5401	84031	
62744*	62764*			Durra				Dysdercus koenigii		5376	
Duck plague			93261	culture	80397	1623*	79322*	anatomy and physiology		43162	
Asia			93262	fertilizers		2455*	70560*	64104 105833			
Europe			93262	planting date			100993*	biochemistry		95230	
immunization		42000	62829*	varieties		100813	100856	control		14121	
India		31954	62862	yields		2455*	79301*	development	14726	33262	33263
Netherlands			22631*	Dusky sap beetle SEE Carpophilus				Dysderina			83803*
resistance			42000	bris				Dysentery			62541
Ducks				Dusona			84087*	SEE ALSO Lamb dysentery; Scours;			
advertising			45203	Dusona ferruginea			33348	Swine dysentery; Vibrionic dysen-			
anatomy and physiology			22500*	Dusona lividariae			33316*	tery; Winter dysentery			
22501*				Dusona pulmentariae			33316*	Dyshemerobius falciger			95676
breeding	93010	95982	5907*	Dusona thomsoni			84087*	Dysmicoccus			53410
22495*	22500*		93292*	Dussia			8742	Dysmicoccus neobrevipes			5416
breeds		22690*	62710*	Dust(earth)	5926	15302	80711	Dyspepsia SEE Indigestion			
Barbary			22678*	84736*				Dyspessa ulula			23372
Khaki Campbell		42002	22500*	Dust explosions				Dysprosium			105761*
93024*				16100	25622	44825	55855	Dyssodia tenuifolia			8705
Muscovy	72636*	93292*	104336*	96673	16132*	26246*		Dystocia			
Pekin	22629	41883	72654	Dusts and dusting				buffaloes			72127
22500*	93024*	93292*		application		47126	88589*	cattle	12844	62260	13180*
Rouen			41890	Canada		15235	33782	41651*	62234*		
care	42098	22690*	62978*	deposits			23376	dogs			41785
62984*				equipment	23043	23101	94218	goats			42169*
color			82536	43663*				horses			13386
cooperatives		35288	45226	costs			64523*	sheep		4387	42169*
costs and returns			16910	Germany		53817*	106371*	Dytiscidae			
cytology	4186	41982	32000*	East Germany		43667*	43669*	Afghanistan			94869*
deficiency diseases		42040	104304*	Ghana			24162*	Bahamas			14581
egg production		82628	22500*	Guinea			24162*	Ethiopian Region			23584*
52311*	93024*			hazards and safeguards			53826	Europe			5150
embryos	41982	104348	72656*	maintenance and repair			84581*	Great Britain			5148
93292*	104363*			operation	33775*	84576*	84581*	immature stages			23584*
farms and ranches		62880*	62966*	Poland			84575*	larvae	53249		94966
82707*				Taiwan			63595*	Madeira Islands			83863*
feathering			22678*	tests	84588	5843*	43657*	Malawi	14552		94933
feeding and nutrition		4076*	13467*	USSR		84586*	106379*	Rumania			42989*
62765*	72576*	93088*		formulations		14189	77624	Southern Rhodesia	14552		94933
fertility			52311*	32595*				Dytiscus			105668*
genetics	82536	22484*	62695*	particle size			23101	Dyvon			32727
growth			82628	residues			43663*				
housing		95982	13498*	technique		15235	94218				
in pest control			291*	tests		4637	4654				
industry		45203	22501*	4770	23101						
marketing		45243	107804	Texas			47100				
meat production		41883	104469*	SEE ALSO Fungicides; Herbicides;				E-605 SEE Parathion			
effects of breeding			4038	Insecticides; Sprays and spraying;				E-1059 SEE Demeton			
93024*				names of dusts; SUBHEADS UNDER				Ear rot			
effects of feeding		4112*	13455*	Aircraft; and SUBHEAD spraying and				corn			
62710*	62744*	62764*	62768*	dusting UNDER specific subjects				Earias	68116	68236	
104264*				Dutch clover SEE White clover				95070	105148		
metabolism			31957*	Dutch elm disease				Earias fabia	4807	52900*	
parasites			62880*	Ulmus SEE Dieback, Ulmus				Earias huegeli			14099
pests			83761*	Duvaliomimus		105612		Earias insulana	4807	4832	
poisoning	82215	4151*	13480*	Duvaliomimus mayae		53269		63548	83344	105213	
13566*	31990*	42035*	72644*	Duvalius		94885*		Early blight			
selection			62692*	Duvalius spaethi rosai		94829*		potatoes	9049	37328	77794
surgery			31913	Dwarf disease				tomatoes		77794	88795
USSR		62961*	72694*	corn		27304a	99593	Early browning			
virus diseases			22629	Morus		18357*	18358*	peas			47504
watering			82552	oats			99602	Earomyia bazini			83970*
SEE ALSO names of anatomical				Prunus			37416	Earomyia connexa			83970*
body fluids, diseases and other				rice		18294	23197	Ears			
pathological conditions, operations,				Dwarf fascicle abnormality			8976	cats			13309*
parasites, pests, and products				Dwarf plants SEE SUBHEAD dwarf UN-				cattle		31358*	92475*
Ductifera			37003	DER Plants and names of plants				dogs	3889	62513*	82361*
Dudleya SEE Echeveria				Dwarfing compounds		99550		diseases	52030	72414	92752
Dumping (economic)			12356	Dwarfism	3550	21975	103784	13272*	22342*	31561*	62547*
Dunaliella			89325*	63245*				92690*			
Dunaliella salina		9925*	48487*	Dwarfismistolee SEE Arceuthobium				treatment		92732	13309*
78937*				Dyar's law		14851		52025*			
Dunaliella tertiolecta			89800	Dybar SEE Fenuron				trimming		3903	3897*
Dunaliella viridis			89734*	Dyes	14582	15639	18335	guinea pigs			62674
Dunes SEE Sand dunes				22858	23704	38797	21636	rabbits			62995*
Dung beetles SEE Scarabaeidae				90605	93172	106957	107301	sheep		13708*	31358*
Dunites			48024	15704*	34306*	83696*	83697*	swine		63255	63301
Duodenum	22353	4599*	31452*	Dylox SEE Trichlorfon				Earth blocks			64671
104670*				Dynamometers	5712	40796	65266*	Earth rays			41356*
Duplacionaspis			73702*	71412*				Earthworms	2205	2212	2234
Duplopisthus SEE Thyropisthus (Duplo-				Dynastinae		83893*	94853*	2247	11349	23163	70347
pisthus)				Dyrene SEE 2,4-Dichloro-6-(o-chloroan-				99374	2198*	2204*	29577*
Duponol-C SEE Dodecyl sodium sulfate				ilino)-s-triazine				Canada			49794
Duportella tristicula			8828	Dysaphis crataegi			53423*	Germany	2250*	60217*	80128*
Duramycin			19057	Dyschirius			94887*	Great Britain			2236
Duraset			9998*	Dysdera			33044*	Japan			29455*
Durevius n g			73733*	Dysdercus cingulatus	5420	23770		Pakistan			39768
Durian	2844	49057*	77319*	52878				poisoning	23163	42367*	93937*
								Wisconsin			80185

\*Text of this reference is not in English.

Item			Item			Item		
Earwigs SEE Dermaptera			Ecology	77522	8386*	18441*	Economic conditions--Cont	
East Coast fever SEE Theileriasis			47685*	83956*	87855*	88580*	Jamaica	7597
Easter lily SEE Liliium longiflorum			conferences and congresses			9315	Japan	108885
Eastern cottonwood SEE Populus			research methods				Kentucky	35412
deitoides			linear programming		47643*		Kenya	66329
Eastern gall rust			statistical	99758	87853*		Korea	7633
Pinus	326		87854*				Latin America	16543
Eastern gamagrass SEE Tripsacum			study and teaching		94653		Liberia	97553
dactyloides			terminology	105500	27430a*		Luxembourg	66350*
Eastern hemlock SEE Tsuga canadensis			SEE ALSO Climate and weather; En-				Malagasy Republic	7617*
Eastern larch beetle SEE Dendroctonus			vironment; Flora; Human ecology;				Malawi	7613
simplex			Vegetation; and UNDER specific sub-				Malaysia	97543
Eastern lubber grasshopper SEE			jects				Mexico	97567
Romalea microptera			Econometrics	16578	26416	45498	mountain areas	108018*
Eastern redcedar SEE Juniperus			55592	66806	75529	86586	Mozambique	97550
virginiana			67129*				Netherlands	7598
Eastern subterranean termite SEE			Economic conditions	16539	16692		57123*	
Reticulitermes flavipes			26409	26420	26425	26739	New York	75952
Eastern tent caterpillar SEE Malacoso-			34047	35850	36215	45435	New Zealand	16548
ma americanum			45441	45451	45453	46400	108032	108054
Eastern white pine SEE Pinus strobus			56018	56034	56035	56057	Nicaragua	7577*
Ebenaceae	8769		61382	66351	66373	66376	Nigeria	7608
Eburodacrys	63983*		75933	76071	86554	86558	North Carolina	86589
Ecballium elaterium	27560a*	69137*	87357	87730	108027	108045	Northern Rhodesia	7613
Ecdysis SEE SUBHEAD molting UNDER			7587*	26422*	108013*		Norway	7600*
Insects and names of insects			Africa			56004*	Okahoma	7765
Ecdysone	33452	64038	American Samoa			16525	86754---86756	76079
63822*	73643*	83737*	Angola		75941*	97600*	Pakistan	26436
Echeveria	37361	57612*	Appalachian Mountains			75967	Panama	108044
Echeveria nuda		127	Argentina			7591	Peru	87238*
Echeveria valvata		57619	Arkansas			7586	Poland	45432
Echidnophaga gallinacea		94161	Asia			56004*	26433*	92597*
Echidnopsis	55	77359	Austria			43794*	Portugal	26618*
Echidnopsis squamulata		46876	Barbados			108039	Republic of South Africa	7582
Echiniscus		5063*	Belgium		7580*	108004*	reviews	46062*
Echiniscus inoellatus		105577*	Brazil		27313*	46437*	Scandinavia	26441*
Echinocactus		49160*	British Guiana			21062	Senegal	35416*
Echinochaete n g		88546	British Honduras			97573	South Carolina	106471
Echinochasmus		104917*	Burma			75935	Southern Rhodesia	7613
Echinochloa	70062	29285*	Canada		66331	66371	Southern States	86906
Echinochloa colonum		98908*	Caribbean area			66377	Spain	97684
Echinochloa crusgalli			Chad			97572	97549*	97556*
anatomy and physiology		9451	Chile			7611	Sudan	
control	23266	29190	China		45447	75936	Sweden	66344
70136	90697	90728*	Colombia			7578*	Switzerland	108037*
ecology		47677	conferences and congresses			45447	Taiwan	97575
feed		61668			56052		Tennessee	35536
fungus diseases		46977*	Congo			35426*	Tennessee Basin	16796
germination		9653*	Costa Rica			97574	Togo	26412*
hybrids		19677	Cuba			97541	Tunisia	66374
Echinochloa crusgalli frumentacea		98909*	Cyprus			7585	Uganda	26446
Echinochloa haploclada		10429	Dahomey			56017*	USSR	108025*
Echinococcosis SEE Hydatidosis			Denmark		75939	16538*	USSR bloc	75929*
Echinococcus	3233	3876	97536*				Uruguay	86552*
72126*	72851*		developing areas		7607*	56015*	Venezuela	35440
Echinococcus granulosus		41370	Dominican Republic			7632	Vietnam	15429*
103352	103968	103978	Ecuador			35428*	Washington	102214
31595*	52043*		El Salvador			45406	Western States	86571
Echinococcus granulosus equinus		104144	Europe		56048	108037*	Wisconsin	35450
Echinococcus multilocularis		13321*	Far East			108008	Yugoslavia	56036
Echinocolea n g		99021	Finland			97559	Economic cycles	7345
Echinocystis lobata	47783	47824	Florida			86700	34776	35233
Echinocystis macrocarpa		48544	France		7631	108006	5586	76019
Echinodillo		5084	35415*	45402*	45445*	66355*	Canada	
Echinodontium tinctorium		18170	87359*	97564*	108018*	108644*	Netherlands	97563*
Echinolaelaps echidninus		14451	French Overseas Departments			56006*	New Zealand	108468
33058	53230	94739	Germany		17007*	45404*	Economic growth	7594
Echinomegistus		73522	75958*	75959*	98108*	108193*	7769	16963
Echinonyssus		105582*	East Germany			16554*	26423	26430
Echinops		46852*	Ghana		11743	35420	56011	26434
Echinops sphaerocephalus		9495	Great Britain			7634	56281	56056
Echinopsis	46831	57551	Great Plains			26397	56281	56356
Echinostoma afrum		5614	Greece			97568	66352	66323
Echinostoma malayanum		4554*	Guatemala			66326*	66354	75951
Echinostomatidae		4554*	Hong Kong			108024	86593	97708
Echinuria infestation SEE Stomach			Hungary		97557	16546*	16540*	56016*
worms			India		24418	26415	Algeria	
Echium plantagineum seed oil		66049	35422	45434	46451	56041	Asia	35432*
Echthrophlexiella		95317	56042	66367	76194		Brazil	26442
Echthrophlexis		14836	Iran			16550*	British Guiana	35419
Eciton burchelli		23813	Iraq			66826	Canada	16544
Eciton hamatum	5485	23813	Ireland			46061*	China	108260
Ecnominae		14986	Israel			76728	Colombia	86594
Ecnomus		95678*	Italy		7575*	7626*	conferences and congresses	98043*
Ecnomus gedrosicus	53573	5608*	45427*	45431*	45436*	45699*	Denmark	66325
Ecnomus kimminsi		14986	86569*	97570*	108018*	108031*	desert areas	97548*
Ecnomus kunenensis		5608*	108588*				developing areas	56024
			Ivory Coast		26413*	56027*	54298*	26443
							Europe	108854
							France	45444
							India	66439*
							108845	108811
							108859	108884

\*Text of this reference is not in English.



Item			Item			Item		
Economic growth--Cont			Economic poisons--Cont			Economic poisons--Cont		
Jamaica	16549		hazards and safeguards--cont			regulation and inspection--cont		
Japan	108050*		109048	262*	8907*	Poland	36426*	
Jordan	102212		17994*	18025*	27399*	Southern States	108978	
Lebanon	102212		36401*	47061*	47184*	Sweden	109039*	109052*
Mexico	108046*		77592*	77608*	77627*	Virginia	76941	
Peru	16949	16532*	87899*	88662*	98437*	Wisconsin	27384	
16964*	16965*	16966*	99198*	99325*		research methods		
Southern States	7590	67105	bibliographies		57179	statistical	8382	36385
67197			France	109051*		36386	43912	
Spain	35436*		Germany	77627*		research programs		84810
Syria	102212		Hungary	46507*		residual effectiveness		49805
Trinidad and Tobago	16527		New Jersey	36410		residues	6108	6436
Western States	56024		in agricultural products	24465		17271	37049	44045
Economic plants	67704*	77185*	in butter	85412*		58845	70840	77513
Argentina	77249*		in dairy products	44290		105347	6128*	99252*
Bulgaria	77284*		in feed	43907		conferences and congresses		106659*
history	39618	26771a*	in fibers	34011		reviews	42364	84785
illustrations	67768*		in food	34011		situation and outlook	8408	47102
Laos	17561*		34096	34102	34119	47119	57176	77504
Tropics	39618	77208	43907	43923	43933	Canada	37139	108989
USSR	43891*	77159*	43954	44046	44705	Mexico		45287*
SEE ALSO names of plants			54297	74367	74428	storage		36392*
Economic poisons	8938	27009a	106559	106561	106565	study and teaching		8395
37046	46500	76921	106568	106587	106644	Sweden	36400*	36404*
76923	77519	77522	54199*	64816*	64833*	98445*		98436*
98431	108974	108983	96178*			synergism		99247
adjuvants		88615*	bibliographies		74452	terminology		27026a
Africa	87886	98474	conferences and congresses	106580		tests	34022	43899
analysis and composition		17276	Europe	64816*		44385	46503	43952
27435	43938	46491	Japan	54234		tolerances	6108	34093
57167	76941	77511	reviews	6031	6112	54245	65539	96170
88702	98447	98454	106562	106563	106572	Portugal		54213*
8401*	37775*	88594*	in fruit	55094*	96860*	toxicity	17271	34022
application	8382	8943	in grain	99175		46532	68016	77563
67478	76920	83494	in livestock products	41364*		87843*	88580*	98440*
24165*	36401*	99325*	in meat	45017	107650	aquatic life		47177
Hungary		30387*	in milk		74864*	bees	83605	4991*
reviews		42364	in plants	43950	43952	32927*	42812*	53064*
application equipment		5840	105004	106659*		94529*	94552*	
15224	33684	53821	in potatoes		65539	bibliographies		94031
64422	106367	24169*	in soils	43907	83203	fish		98434
Japan		33776*	11329*		101695	livestock	30918	51605
tests		84573	in textiles		43907	61861	41364*	104392*
Belgium		77613	in tomatoes		55098	man and animals		34102
California		27407	in vegetables		6831	109042	72520*	87881*
Canada	38666	99209	in water			poultry		52252
chemistry		101695	bibliographies		74452	swine		83039
China		77521	India		37111	wildlife	18047	36382
conferences and congresses		17267	industry	57160	67496	46514	47139	76921
26981a	27404	17288*	52756*	77627*	99157*	98428	98434	23055*
costs and returns		17260	Japan		88605*	trade		77548*
deposits	46495	87828	labeling	46530	54237	Turkey		17288*
determination	43912	48284	36402*	98437*		USSR	37039	37137*
54124	66165		legal aspects		47178	Western States		47128
reviews	84785	84795	legislation	8417	76920	SEE ALSO Bactericides; Fungicides;		
effects on animals	8913	43950	109023	109048	17293*	Herbicides; Insecticides; Larvicides;		
105004			99198*			Nematocides; Rodenticides; Viru-		
effects on apples		38042	marketing	27411	46506*	cides		
effects on fruit	88608*	88617*	nomenclature		36414	Economics	35897	45408
effects on insect populations	32827		packing		70879	45416	45424	45426
32828			particle size		27380	45440	45448	45708
effects on mushrooms		58845				66342	66347	75960
effects on plants	8913	89410				97544	97554	7588*
58749*	87881*	89564*				35447*	45421*	66813*
reviews		959				86570*	86574*	86580*
effects on soils	101815*		Poland		88584*	86591*		
reviews	20479*		policies and programs		27011a			
emulsions	47133	68079	76934	87834	87883	Africa		108020
formulations	27380	46491	public health aspects	42390	46498	as an occupation		86602
46497	68079	36393*	47119	54208	83152	associations	86560	108022
France		67996*	regulation and inspection		27404	bibliographies	16535	16537
Germany	37061*	47114*	27418	27419	46530	16551	35449	35707*
99239*		99170*	57176	67504	76893	Chile		
East Germany		77547*	99209	108988	108994	conferences and congresses		35441*
granulated	84573	33776*	109037			26396	45452	66331
hazards and safeguards		8370	Arizona		87822	75932	86588	86601
8371	8409	17283	Australia		27436	India		108021
27420	27431	34011	California		87860	Southern States		86551
37058	42390	44046	Canada	27391	105014	dictionaries		66369*
46525	47155	47187	Denmark		27414*	Europe		35434*
57158	57174	57175	France		47067*	Germany		
57774	57778	57826	Germany		77627*	East Germany		11489*
67499	68016	76934	Great Britain		8399	Great Britain		66353
76945	83152	87834	Kentucky		76914	history	35411	75946*
87883	87897	88601	Maine	26229	86425	Japan		35425*
98419	98425	98449	Maryland		98447	research	26417	35407
106367	108975	108979	Massachusetts		57858	45413	106624	35430*
		108999	New Jersey		27395			35434*
			North Carolina		17276			

\*Text of this reference is not in English.

	Item		Item		Item		Item
Economics--Cont		Economy--Cont		Economy--Cont			
research--cont		history	56021	Rhode Island	86585		
France	7584*	Austria	56022	Rumania	45437*		
Germany		Belgium	75953*	Scandinavia	75955*		
East Germany	7614*	Ireland	35424	Senegal	87245*		
research methods	86586	Italy	86562*	South Dakota	98254		
statistical	7836	Japan	56049*	Southern Rhodesia	7629		
7950	16530	India	97538	Southern States	66327		
24396	26405	Indonesia	46090	Spain	66333*		
26414	26421	Ireland	75944*	108012*			
26676	26756	Israel	7637	Switzerland	86564*	86566*	
26903	35443	Italy	66322	Taiwan		7599	
35452	35453	35446*	75954*	Tanganyika		86603	
45793	56019	Ivory Coast	7610	Thailand		66349	
74309	75962	Japan	45433	USSR	66366	86579	16542*
97558	108003	66340*	86592*	26583*	66362*	75928*	
16712*	16748*	Kenya		United Arab Republic		7601	
45419*	45420*	legislation	108016*	Utah		44993	
66335*	66848*	Louisiana	66358*	Venezuela		66338*	
107289*	108011*	Malagasy Republic	66372	Vietnam		97552	
study and teaching	108434*	Malawi	97562*	Virginia		75949	
research programs	108710*	Martinique	7629	Washington		56246	
86595	97576	Mauritania	86550	Ecphoropsis			
bibliographies	97555	Mexico	7595	hosts		84082	
Czechoslovakia	56037*	Morocco	87365*	ECPO SEE Enteric cytopathogenic por-			
India	26435	mountain areas	7619	cine orphan virus			
Iowa	108023	35681*	86581*	Ecpoma		17683*	
Michigan	108029	Nepal	97569*	Ecetmnius		14815*	
Netherlands	108026*	Netherlands	7592	Ecetmnius paucimaculatus		42905	
United Arab Republic	26439	New Hampshire	108035*	95326			
study and teaching	26400	New Zealand	75969	Ectobius		84185*	
35410	35711	Northern Rhodesia	108007	Ectobius frieseanus		84199*	
Austria		Norway	7629	Ectohormones SEE Pheromones			
China	108048*	Pacific Northwest	16555	Ectopioglossa		84105	
Germany	66794	Pakistan	86595	Ectoral SEE Ronnel			
India	75957*	35427	56044	Ectrichodia		5430*	
Southern States	86606*	bibliographies	35445	Ectypa glyphica		94329*	
Sweden	86602	Philippines	16526	Eczema			
Taiwan	7624	policies and programs	7572	dogs			
terminology	45449*	7573	7589	31629*	72416	13304*	31573*
SEE ALSO Land, economics	75937*	26407	35443	92690*			
Economists	16545	86553	86565	EDB SEE Ethylene dibromide			
106603	56365*	108033	45415*	Edema			
Economy	56033	Africa		104929*			
86554	108019	Algeria		SEE ALSO Edema disease; Malignant			
Africa	86605	Asia	45410	edema; Toxic fat disease			
Alps	108034*	Austria		Edema disease	13801	22975	82970
Andes	108042*	bibliographies		83091	93870	32430*	32532*
Asia	86561	Brazil	56012	42312*	63234*	104921*	104922*
bibliographies	35674*	Burma		Australia			
Australia	7606	Canada	35408	causes		73014	
Austria	97561	China		Japan		13822*	
bibliographies	97569*	Colombia	66324*	prevention		42288*	
75966	75965	developing areas	7603	reviews		13834*	
California	87621	75940	107999	treatment		13823*	
Canada	12312	75961*		Edessa florida		42328*	
108015	26403	Ecuador		Edestin		95162	
Ceylon		Europe	35679	EDTA SEE Ethylenediamine tetraacetic		55682	
China	8543	Far East	108009	acid			
bibliographies	86578	France	98271	Education			
conferences and congresses	87818	66360*	108034*	66664	27113	36060	45673
Congo	86597*	Georgia		adults	87514	8142*	
Congo Basin	7604	Germany		108684*	36088	46151	56818
Cuba	108038	East Germany	45414*	Africa			
Cyprus	7627	Ghana		associations			
Czechoslovakia	7628	Greece		Canada			
Denmark	7630	Guinea		56837	108669	108758	
56046*	86559*	Italy	108000	Ceylon		27074	
desert areas		26399*	26406*	Connecticut		46215	
developing areas	7574	75942*	97534*	costs		108688	
108005	7615	Ivory Coast		developing areas		67177*	
conferences and congresses	76509	Japan	56028	Europe		108314*	
Ecuador	26402*	Latin America		foreign students in U S		27104	
Europe	7620*	Latvia		Germany			
European Economic Community	86555*	Mali		8106*	17084*	87428*	
Finland	76218*	Panama		87485*	87503*	98181*	
Florida	26260	Peru		Great Britain		27621	67174
France	108049	Poland		higher		8136	56780
75943*	86581*	Republic of South Africa		56837	56895	87894	108187
French Overseas Departments	97560*	Spain		history	36084	36090	87489*
Germany	66375	Sudan		Illinois			56836
86345*	86568*	Taiwan		India		46205	86917
86604*	86604*	USSR	26432*	Iowa			67143
East Germany	97539*	regulation		Israel			98111*
Ghana	35409	Republic of South Africa		Italy		26424	76027*
Greece	56031	35429	45403	Kentucky			76085
Guadeloupe	86550	45412	86603	materials and methods			87455
				New Hampshire			108688
				New Zealand	36089	36102	67160
				North Carolina			67173
				Pakistan			86917

\*Text of this reference is not in English.



Item				Item				Item			
Education--Cont				Eggs--Cont				Eggs--Cont			
policies and programs	16699	27095		anatomy and physiology	22676			grading and standardization--cont			
76615	108214			22677				costs	35315		
research programs		56824*		associations	75776	86371*		Italy	55734*		
situation and outlook	46123	56883		bacteria	13590	35314	43932	North Carolina	7375	75783	
108665				75773	75780	97273	107828	hatchability	4052	4094	4230
Southern States		46173		66070*	86359*			13495	13590	22498	41892
statistics	46174	56765*	56786*	blood spots	13441	31817	31989	41920	42046	62788	72641
Taiwan		46344*		82548	93069	93070	107817*	82693	82694	93480	4087*
SEE ALSO Agricultural education;				care and handling	4279	26202		41900*	41942*	41951*	62947*
Apprenticeship; Audio-visual aids;				35283	62968	97357		82555*	93280*	93513*	104262*
Consumer education; Correspondence				chemistry	35239	66077	45230*	104508*			
courses; Extension work; Films; Mo-				66091*	75757*			hydrogen-ion concentration	7349		
tion pictures; Schools; Visual aids;				cleaning	35236	35317	45202	in literature	93499*		
and SUBHEADS advisory services;				97301				industry	26470	75793	86354
education and training; study and				cleaning equipment	26175	97364*		86366			
teaching UNDER specific subjects				collecting		32040*		Arkansas	66082		
Efferia bicaudata		73647		color	93067*	97269*		Australia	55708		
Efficiency		66803		consumer preferences		7341		Austria	97358*		
67249	76048	76279	76351	44630	55722	66064	66066	Canada	7360		
96343	97784	97855	106604	consumption				Europe	66073*		
76257*	76326*	86990*		Denmark	26179*			European Economic Community			
Belgium		5887*		European Economic Community	26179*				35245*		
Germany		43729*			26179*			Germany	97268*		
Hungary	26778*	26818*		Great Britain	26179*			Illinois	35247		
India		108325		Hungary	26197*			Poland	86372		
Italy		76240*		Japan	35279*			7388*	45225*	107816*	107845*
Norway		68860*		Mississippi	86342			107846*			
Switzerland	45607*	53903*		Norway	7383*			Republic of South Africa	45257		
time and motion studies		7728		containers	45240	107790	107825	South Dakota	86375		
50766	73943	2691*	21627*	contamination		35227	42547	Southeastern States	97285		
56228*	81351*	86718*		55738	66074	75780		Spain	61936*	66073*	
Denmark	26560*	26561*	97672*	cooked	27304	75756	75769	vertical integration	16347		
97673*	97674*	102851*		87783				26182	35297	75775	35235*
Finland	2907*	21413*	51071*	cooling			45218	Great Britain	107803		
Germany	66465*	66537*	81352*	cooperatives	45249	35241	45200	Indiana	16356		
East Germany		15059*						Maine	56527		
Great Britain	16642	16644		Austria		107823*		Southern States	107794		
16645				Germany		107853*		irradiation	55714*		
Netherlands	21393*	26571*		Iowa		66115		keeping quality	107832		
45556*	86713*	86723*	106300*	Italy		66116*		labeling	26154	66093*	
Norway	76083*	83664*		Japan		35319*		marketing	7357	7378	7390
Switzerland		56216		Sweden		16363*		26200	35224	35226	35229
Taiwan	2707*	35553*		costs and returns	4267	7929		66079	75755	75784	97272
Effortil		92718*		7949	35255	35297	56564	97311	55734*		
Eftolon		103182*		56606	66887	66900	16919*	Alabama		35315	
Egenolfia	17820	89137		Australia		16365		Australia	16365	45251	75776
Egesina		94824*		California		76393		75778	75798	86334	107826
Eggnog		54560		Canada		45915		Austria		97358*	
Eggplant				Finland	7964*	108555*		Canada	7347	107793	107841
anatomy and physiology		18957		Hungary		26896*		costs	35255	45206	86367
9916*				India	7932	62928		Eastern States		16358	
biochemistry	10266	48510*		Italy		24254*		Germany	97268*	107809*	
78893*				Japan	45943*	93446*	108522*	Idaho		7381	
breeding	69990	69999*		Maine		76414		India		97397	
coatings		85815		Massachusetts		76292		Indiana		16356	
color		37859		North Carolina		76454		Japan	35261*	35279*	97317*
culture		70014		Northern Ireland		108504		97318*	97367*	97403*	97405*
cytology		27667		Oklahoma		35879		Kansas			86352
diseases		68075		Poland	26934*	87214*		Massachusetts			76292
equipment		84427*		Sierra Leone		65861*		Mississippi			86342
fertilizers		102009		Spain		66940*		Netherlands			6074*
fungus diseases	27138a	37216*		Sweden		7887*		New Zealand	26181	66098	
57963*	88836*			Switzerland		45764*		Poland	45225*	107847*	
genetics	27667	37859	37880	Texas		22717		Sierra Leone		65861*	
37881				Uganda		56608		South Dakota		86375	
hybrids	27667	39414	90557	Venezuela		56409*		Texas		86367	
20103*	39373*	101449*		culture media		83009*		Vermont		26196	
marketing		65371*		defects	62975*	107817*		microorganisms	62830	34995*	
nematode resistance		500		directories		86378		66091*			
packing		55115		discoloration		4081	4084	nutritive value	55724*	108957*	
pest control		42599*		dried	66112	66113	86336	oiling	26171	35236	66077
chemical		94353		87783	7339*			75766	26157*		
India	14116	63574		flavor and odor		7356		packing	7366	7375	35306
New Jersey		68075		for hatching	4238	4267	31769	35315	75783	97275	
Texas		32807		35239	42078	52331	72673	pasteurization	26201	45199	
USSR		73187*		82583	82693	82694	93382	55718	86355		
pests		42618*		93480	32099*	41899*	52306*	Poland		107798*	
propagation	39414	29061*		52332*	62812*	62834*	62857*	policies and programs	55710*	75787*	45247*
yields	18957	69990	20103*	66900*	93449*	93511*	93513*	prices	7340	7343	75752
39373*	101449*			104471*	104495*			86366	107805		
Eggs				for processing		55750		Australia		54296	55709
abnormalities	22597	22700*		frozen	26168	45199	45207	Canada	45221	107800	
accounting		66887		107825				Denmark		26179*	
additives		75773		grading and standardization		7365		European Economic Community		26179*	
advertising		75784		26154	45206	55742	75789	Finland		8194*	108828*
analysis and composition		32119		75795	97298	66076*	66108*				
42090	45228	45229	84816	97315*							
86340	55724*	55741*	97409*								

\*Text of this reference is not in English.

	Item		Item		Item		Item
Eggs--Cont		Eggs--Cont		Eggs--Cont			
prices--cont		situation and outlook--cont		yolks--cont			
France	75779*	Arkansas	45255	color--cont			
Germany	66093*	Australia 54296	55709	4086*	4106*	22536*	45215*
Great Britain	26179*	Brazil	7110*	52166*	52198*	66078*	82577*
Japan 44630	35234*	California	66080	93075*			
35268*	35269*	Denmark	26179*	in semen dilution		4022	41731
Netherlands	86356*	European Economic Community	26179*	41734	81983	103500	21968*
Norway			45222	21969*	81939*	91800*	
Spain	55721*	Great Britain		processing			75763
Sweden		26179*		properties			75763
Switzerland	26166*	Italy	7376*	proteins			86335
processing 26200	35221	Japan 35260*	35268*	size			45250
66085	75768	97317*	97403*	SEE ALSO Duck eggs; Goose eggs;			
35294*	97292	97405*		Turkey eggs; and UNDER Insects and			
production regions	26177	Middle Western States	35284	names of insects; Pools			
75782	75783	Norway	7383*	Egleria n g			36805
products 35218	35219	Poland	45253*	Egnatioides			73881*
35231	45239	Rhode Island	107824*	Egner-Riehm test		90872*	101739*
97292	66070*	Southeastern States	35230	Egnyonyx			5621
analysis and composition	86374	Spain	55736*	Egyptian clover			
bacteria	66084	Sweden	45219*	anatomy and physiology			78466*
conferences and congresses	45237	Virginia	75777	culture		38867*	80122*
consumer preferences	35228	size	62754	enzymes			48625
contamination	84816	62803	72679	feed		72097	93553*
dried	86332	52306*	62716*	fertilizers		11171	11579
labeling	35276	spoilage	75780	genetics			68610*
marketing	35228	statistics	86338	seeds		59345	100998
75799*		Iowa	55716	soils			20487
oxidation	55699*	Japan	97308*	yields			100998
pasteurization	86355	Poland	107845*	Ehretia thyrsoiflora			67883
Poland	86351*	Washington	107850	Ehrharta calycina		10467	89051
properties		storage	4084	89228			
reviews	16350	35236	35243	reviews			89050
regulation and inspection	66084	55700	66077	Ehrlichia			94105*
97315		107828	45230*	Eichhornia			70178
sterilization	86332	Japan		Eichhornia crassipes		20249	39536
trade	36179	Northern Ireland	107832	Eichhornia speciosa			28969
properties	35243	structures	66079	5,11,14-Eicosatrienoic acid			107769
reviews	16350	study and teaching	107822*	Eicosenoic acid			71515*
purchase and sale programs	107820*	substitutes	25037*	Eimeria		3524	13521
purchasing	26174	tests	66070*	42115	63154	91952	30881*
quality	31830	therapeutic use	108957*	31277*	31881*	81803*	
35283	35317	trade	56954	Eimeria acervulina			4185
62952	62976	Australia	76779	Eimeria adenoeides		22585	104463
4046*	97312*	China	56992*	Eimeria battakhi			13499
Australia	55726	Europe	56961*	Eimeria bovis		31241	31364
Canada	97350	Finland	8194*	62214	62241	62310*	62213
Denmark	26185*	Germany	56954	Eimeria brunetti		42039	72660*
Florida	75789	Hong Kong	56992*	Eimeria ellipsoidalis			3583*
Idaho	7381	Japan	98291*	Eimeria infestation SEE Coccidiosis			
Illinois	35247	Lebanon	8251*	Eimeria meleagriditis		22585	22684
Indonesia	35311	Poland	46385*	Eimeria mivati			62813
Japan	62769*	76821*	108829*	72645*			
Kansas	82566*	Spain	66073*	Eimeria necatrix			62912
Missouri	86352	transportation	32023	Eimeria tenella		4155	4154
Nebraska	66066	55704	86366	4155	13503	22639	31922
North Dakota	75766	vitamins	26184	31944	41957	41989	42051
Northern Ireland	55729	93403*	93141	42116	52293	52283*	72660*
Norway	97347	weight and measurement	4102	104393*	104394*		
Pennsylvania	86368*	32084	45213	Eimeria zurni			62310*
Sweden	66065	93112	93522	Einkorn			
refrigeration	7363*	22700*	31961*	genetics		787	830
26190*	16351*	97381*	97409*	18710	18744	18743*	831
regulation and inspection	55742	whites	7349	germination			977
106978*	106979*	35227	45241	history			69400*
research methods		analysis and composition	35254*	Ejidos		67028	16845*
statistical	7357	bacteria	66086	Ekatin SEE Bayer 23129			
reviews	7387	chemistry	45252	Ekatine SEE Bayer 19639			
sanitation	93382	hydrogen-ion concentration	45208	Ekatox 20 SEE Parathion			
shells	22676	in Tribolium confusum	33109	Eklund machine			30263*
82583	93207	processing	66086	Ektaphelenchus			53268
analysis and composition	41999	properties	52166*	Elachertus			84067
72696		proteins	35239	Elachista fucicola			47716
bacteria	45228	quality	41893	Elachopeltis			46972*
chemistry	93191*	66074	45224	Elaeagnaceae			57564
color	92990	tests	35253	Elaeagnus umbellata			69810
microorganisms	97275	yolks	52243	Elaeis guineensis SEE African oilpalm			27605a
processing	97388	66074	7339*	Elaeocarpus			18557
properties	45246	32099*	22700*	Elaeocarpus grandis			86307*
93089	97331	analysis and composition	4192	Elaidic acid		45116*	45169*
quality	4104	16362	42547	Elaidinic acid SEE Elaidic acid			
4085*	22516*	72651	75785	Elands			51627
97329*	52166*	107830	7339*	Elaphoglossum crinitum			88423
tests	97386	bacteria		Elaphomyces			37016*
shows	35299*	color	4068	Elaphostrongylus tenuis			42194
situation and outlook	26154	22520	22523	Elaphrothrips surinamensis			23964*
26173	35229	66064	72573	Elasmopalpus lignosellus			63540
86366	97274		82556	73273			

\*Text of this reference is not in English.



Item			Item			Item		
Elasmoscelis		23773*	Electric wiring--Cont			Electricity--Cont		
Elasmus		73748*	Oklahoma		106522	SEE ALSO Electric power; Electron-		
Elastin	12660	52209	Electrical forces			ics; Hydroelectric power; and SUB-		
Elastomers	16367	55763	in Apis mellifera		32948*	HEAD electric UNDER specific sub-		
analysis and composition	66122	75803	in Hyalophora cecropia		73822	jects		
chemistry	45268*	45264*	in insects		53128*	Electrification		
properties	16368	66126	in Lepidoptera		73845*	Asia		106514
reviews			in Orthoptera		33487	Canada	43850	96066
vulcanization		55752	in plants	9746	28092	China		64695
Elateridae		107865		47942	48113	conferences and congresses		74274
anatomy and physiology		73554		78517	78810	credit	45511	76006
63944	42995*	42999		10035*	10045*	86649		86624
biology		5193		68860*	68885*	Europe	74275	96070
Chad		94844*		69061*	69034*	Far East		106514
collecting equipment		94836*		89407*	89408*	Germany		54043*
control	4817	4812*	Electrical resistance		20458*	East Germany		43848*
13976*	23238*	52857*	fibers			Ireland		106520
cytology		14576	plants	58656*	38480	Italy	24291*	33933*
ecology		53291*			48137	history		64692
fecundity		94851	soils			New York		84729
feeding habits	5215	14538	Electricity		79940*	North Carolina		24298
flight		63944	conferences and congresses		24300	Poland	54041	8404*
habits and behavior		5144	33937			84727*	106208*	74273*
Japan		63962	cooperatives	5960	5961	policies and programs		43851
larvae	14582	73176	5964	106525		54039		
47350*	73218*	94301*	Brazil			Bulgaria		54045
molting		14538	directories		43854*	Great Britain		24299
North America		42999	Far East	64687	74272	Pakistan		80528
North Carolina		5193	directories		96064	USSR		43853*
oviposition	14573	94851	effects on animals	3826	33939	Virginia		106510
surveys		94352	22301	22419	62216	Spain		54044*
tagging		14582	effects on Apis mellifera		105411*	Texas		96069
taxonomy	42964*	94844*	effects on apples		19187	USSR	15060*	64690*
Tien Shan		63925*	effects on arthropods		5044*	Yugoslavia		54048
USSR		14560*	effects on Blatta orientalis		64259	SEE ALSO U S Dept of Agriculture,		
Elatine		46848	effects on Bombyx mori		94610	Rural Electrification Admin		
Elatobium abietinum SEE Aphis abietina			effects on Chara australis	99882	99882	Electrocardiograms		21900*
Elbanil SEE CIPC			effects on dogs	13306*	13307*	cattle	13164	22270
Elder SEE Sambucus			31539*			41620*	103807*	22266*
Elderberries	49127	59030	effects on fruit		1126*	dogs		104051
36785*	58685*	59648	effects on grapes		101219	elephants		21859
Eleagnus SEE Elaeagnus			effects on guinea pigs		105411*	goats		93639
Electric batteries	15055	95940*	effects on insects	14252	42875	horses	3974	3980
Electric conductivity	24850	34929	42876	95192	105411*	104106	41847*	104099*
38006	39693	48345	effects on Melolontha melolontha			poultry		31928
milk		24855*	53285*	105673*		rabbits		13613
rubber		86399*	effects on Phaenicia sericata	105717		ruminants		51522
wood	91770	91775	effects on plants	19062	48022	swine		4531*
Electric controls		23118	58738	58768		Electrocoagulation		12679
97441*		33931*	effects on poultry		104361	Electrodes		54067*
Electric fans		5918*	effects on seeds		18969	in dairy research		74801*
Electric generators	24304	43728	effects on tomatoes		38494*	in soil research		2179
96073			handbooks		15345*	11248*		
Electric heating	33846	95789	hazards and safeguards		96063	in wine research		85129*
5826*	10963*	15307*	43849*	43853*		Electrodialysis SEE Dialysis		
33877*	43796*	53790*	in dairy industry	96063	96068	Electroejaculation		
54003*	64392*	64650*	in economic poison application	87828		cattle	81951	92263
64698*	84728*	84735*	in entomological research	106109		sheep		82746
Electric lighting	95013	15346*	105610*			swine		52521*
43862*	54052*	78757*	in horticulture	33937		Electroencephalograms	92032	52109*
Electric lines	43857	30205*	in sericulture	94612*		62496*		
84725*	106516*	64688*	legislation	84731		Electrolytes	20395	21591
Electric meters		15029*	New Zealand	15349		in animal physiology	3126	12712
Electric motors SEE Motors, electric			on the farm	5963	15350	in cattle physiology	13042*	72216*
Electric power	15350	64580	106523	54037*	64691*	in cellulose fibers		21617
106521	15348*	54037*	Europe		84733	in dog physiology		72365
Asia		64694	Germany	54042*	64689*	in horse physiology		22420
Canada		64914	96065*		64693*	in plants	38006	68670
Far East		64694	East Germany		43846*	in poultry nutrition		104291
Germany			Great Britain	24293	24294	in pulp and paper manufacture		21636
East Germany	43863*	43864*	24301			in sheep physiology		72837
Great Britain		24273	Hungary	24292	24295*	in soils		68727
Hungary		24295*	Norway		84726*	Electromagnetic energy		15347
Poland		54047*	Sweden	24296	24297*	Electromagnetic waves	38256*	84161*
Scotland		84730	Switzerland		43855*	Electrometry	103381	103019*
Southeastern States		84732	USSR	33932*	84725*	in cattle research		41653*
Southwestern States		85647	Utah		96067	in milk analysis	54549	34321*
Sweden	24297*	24305*	Yugoslavia		54048	74781*		
Tennessee Basin		84734	static		15235	in wine research	44219*	85150*
USSR	43852	84725*	study and teaching	15344	33935	Electromyography		103996
Electric resistors	105073	90815*	33936	64686	15049*	Electron affinity	70286	79759
Electric stunning SEE Slaughtering,			Idaho	106517--	106519	Electron microscopy SEE Microscopy,		
humane			Louisiana	43843	43844	electron		
Electric wiring	33934	33938	Mississippi	43847	106512	Electron spin resonance SEE Magnetic		
Germany	54038*	54040*	Virginia		43859	resonance absorption (by electrons)		
64693*		64689*	Washington	43845	106511	Electronics		64686*
						in animal research		61708

\*Text of this reference is not in English.

	Item		Item		Item
Electronics--Cont		Eleusine coracana SEE Ragimillet		Empididae--Cont	
in corn processing	6991	Eleusine indica	18511	breeding places	43122*
in egg research	45241	Eleuterospermum	98918	British Guiana	14672
in food processing	7189	Eleuthodema n g	105936	Denmark	95010
in food research	84822	1189 SEE Kepone		flight	105720*
in forestry	81214	Elfvingia SEE Ganoderma		Great Britain	73659
in fruit grading	40517*	Elgiva	53337	83927	
in grain grading	55072	Elgiva connexa	53337	Hungary	95108*
in grain processing	75429	Elgiva cucularia	53337	larvae	105701
in lumber industry	84550*	Elgiva rufa	53337	nomenclature	73614
in meat processing	71415*	Eliminases	99557	phylogeny	73625
in plant research	107676	Elionurus	77294*	taxonomy	95090
in pulp and paper industry	28240	Elipsocidae	95669	types	73675
in seed grading	21610	Elks	30437* 61185* 61191* 61195*	Yugoslavia	5234*
in seed processing	107875	Ellagic acid	107254	Empis	105719*
in soil research	21831	Elm SEE Ulmus		Empis atra	73675
in veterinary research	18791	Elm leaf beetle SEE Galerucella luteola		Empis staegeri	95010
Electrons	1347	Elm spanworm SEE Ennomos subsigna-		Employment	16636* 16653 45560 108187
57167	68262	rhus		Arizona	76049
54236*	89718*	Elmidae		Czechoslovakia	76050
in plants	1260	Africa	42969*	developing areas	56177
in waxes	16333	Cameroon	5142*	Finland	56180
Electrophoresis	106574*	Ethiopian Region	5126*	Florida	30101*
in animal research	4241	Europe	43029*	Germany	86700
81830	85316	Japan	53283	108175*	98108*
3973*	12548*	taxonomy	23583*	Great Britain	56160
91799*	92065*	Elminthidae SEE Elmidae		Hungary	45614
in casein research	44281	Elodea	17780	India	108183
in cattle research	62415	Elodea canadensis SEE Anacharis cana-	69087	Italy	108216*
31247*	31248*	densis		Japan	45575
in cellulose research	31356*	Elodea densa	48378	Korea	35528
in collagen research	34537*	Elsinoe	8883	Michigan	86746
in dairy research	25871	9058*	67930	New Zealand	108198
in flour research	6386	Elsinoe veneta	14199*	North Carolina	56201
65035	65083	Eltonella	63902*	Oklahoma	86754
63014*	74800	Elymoclavine	28321*	Poland	86755
in dog research	72416	Elymodelphax n g	64131*	policies and programs	66520
103957	72433*	Elymus	67809	Scotland	108214
in economic poisons research	103972*	Elymus arenarius	9435	Sicily	108174
in entomological research	5301	Elymus canadensis	89047	situation and outlook	26537
13954	23660	Elymus caput-medusae	9748	108195	106608
64047	63800*	38431	39572	statistics	24579
in fats and oils research	45162*	Elymus farctus SEE		97681**	76062
in feed research	54744*	Agrophylon junceum		Tennessee	35536
in flour research	7029	Elymus junceus	9564	Yugoslavia	86782
107486	7060	anatomy and physiology	28031	SEE ALSO Labor; Occupations; Un-	76341
in food research	6167	38222	100312	employment insurance	
in gelatin research	25871	culture	19662	Empoasca	14096*
in grain research	44864	fertilizers	28031	Empoasca devastans	52884*
16096*	25579*	irrigation	19638	14143	105148
in horse research	65692*	morphology	100312	Empoasca fabae	
in insecticide research	31682*	planting	28031	anatomy and physiology	105812
in meat research	25874	seeds	100312	as pests	14102
in milk research	3622*	Elytroderma deformans	99303	eggs	14753
in molasses research	75873*	Elytropappus	77373	host plant resistance	23271
in plant research	10262	Elytrotetrantus	5154*	77858	105220
19282	19350	Elytrotetrantus (Anaulakous) n sgen		105220	
99925	99946	Embelia ribes	5154*	nutrition	105821
18352*	19375*	Embelin	59059	Empoasca flavescens	53386
in potato research	100599*	Embiidina SEE Embioptera	59059	Empoasca formosana	32799*
in poultry research	34705	Embiodea SEE Embioptera		Empoasca subrufa SEE Thaia subrufa	
22633*	107830	Embioptera	84232	Empusa (plant) SEE Entomophthora	
in protein research	34953	Emblethis	53576*	EMS SEE Ethyl methanesulfonate	
100723	54488*	Emblc SEE Phyllanthus emblica	95246*	Emtryl SEE 1,2-Dimethyl-5-nitroimida-	
in rabbit research	32139	Emblca officinalis SEE Phyllanthus em-		zole	
in seed research	55803*	blica	53576*	Emulsifiers	15469
in sheep research	32270	Embolyntus batesi	53576*	25857	24525
in soil research	39698*	Embutal SEE Phenobarbital		25858	24528
in starch research	74346*	Emericellopsis	19142	74511	96108*
in swine research	42280	Emesaya brevipennis	78265	Emulsin	75866*
104890	32482*	Emesinae	43151	Emulsions	16254
93616*	104876*	Emetine	5390*	75682	34858
in virus research	32517*	Emex	38521*	85815	81464*
in wheat research	61826*	Emex australis	4653	SEE ALSO UNDER Herbicides; In-	107688*
in wood research	107460	Emex spinosa	101557	secticides	
Electroretinograms	41149	Emmer	2055*	Emus hirtus	73553
33439	32988*	68526*	27536a*	Emydocoris	5402
Elemene	45142	69400*	89139*	EN 18333 SEE Zinophos	
Eleocharis acicularis	29258*	Empedobacter	54510*	Enallagma	43350
Eleocharis austriaca	26909a	Empetrum nigrum	46911	Enallagma carunculatum	53176
Eleocharis dulcis	90615	Emphysema	72478	Enallagma civile	43337
Eleocharis plantaginea	99952	SEE ALSO Intestinal emphysema;		Enallagma westfalli	95614
Eleodes	94974	Pulmonary emphysema		Enarmonia formosana	33422*
Eleodes longicollis	94919	Empididae		Enarmonia woerberiana SEE Enarmonia	
Elephantgrass SEE Pennisetum purpure-		adaptation	43122*	formosana	42727*
um		Brazil	73675	Enation mosaic	
Elephantomyia	63985			peas	42564
Elephantopus scaber	1334			Encap	29851*
Elephants	61929			Encarsia	95274
Eleusine	81336				
	27563a				

\*Text of this reference is not in English.



Item			Item			Item		
Encarsia formosa		5049	END method		3595	Endotricha		53512
Encelia		105537	Endecameris n g		23814	Endoxan	13611* 31631*	78436*
Encephalartos	17802	68571*	Endemimya		23654		92763*	
Encephalartos longifolius		47732	Endeodes		73591	Endria inimica	14145 23217	27303a
Encephalartos poggei		68572*	Enderleinellus suturalis group		14961	Endrin		
Encephalitis			Endive			Areca pest control		63641
Bulgaria	73161*	73520*	anatomy and physiology		19198*	citrus pest control		32844*
California		94205	bacterial diseases		88861*	cotton pest control	42366	83374
dogs		41760*	breeding	59832*	79670*	52900*		
Florida	83227	83235	culture		29065	effects on dogs		52781
horses SEE Equine encephalomyelitis			Belgium	33892* 33893*	70031*	effects on Drosophila melanogaster		93964*
Japanese type	4714	4735	79742*	90565*				52876
4744 4766 32692		94111	Netherlands		90491*	in alfalfa		42366
42304*			diseases	68010	18040*	insect resistance		94086
reviews		94250	fertilizers		102096*	mosquito control		40689
man	105117	94188*	forcing	59787* 59819*	59874*	Quercus pest control		42699
Murray Valley type		4680	79670*			residual effectiveness		52876
rodents		23157	mechanization		64323*	rodent control	2855	18048
St Louis type	4717	4766	pest control	63583 68010	32771*	34165		
32659 53373 83208		83216	83322*			sugarcane pest control		23214
83226 83227 83235		83274	processing		65612*	83321		
reviews		83244	spraying and dusting		16016*	tobacco pest control		105168
transmission		94069	storage		69982*	toxicity		
virus		82607	varieties	59874*	20224*	aquatic life	94015 94086	105019
swine		42304*	weed control	11004*	88345	livestock		52781
Taiwan			Endlicheria			man		83161
reviews		94250	Endocarditis			wildlife		32640
transmission	23120	83227	cattle	3567 12938*	12957*	Endymion nonscriptus SEE Scilla non-		
83274 94069 94146		14005*	13061*			scripta		
14048* 83215* 94188*		94239*	dogs		72405	Engelmann spruce SEE Picea engelmanni		
Austria 33062*	52807*	52808*	ducks		93333*	Engineering	21001 43396	54310
West Indies		63459	poultry		13718	73917		
USSR	14038*	14074*	sheep		72957*	as an occupation	5637	5645
42542* 73162*			swine	22983*	32534*	5647*		
USSR		94111 94112	Endochironomus		43078*	associations	53604	53608*
virus	4733	22644 23157	Endocrine glands	12658	3194*	Belgium		84238*
83208 83216 83226		94096	51491*	91975*		California		53603
94139 94211 71729*			aphids		33259	Colorado	23976	23980
SEE ALSO Encephalomyelitis; Menin-			cattle	22163 92551	62212*	conferences and congresses		
go-encephalitis			Drosophila melanogaster		95014	Germany	64312*	64313*
Encephalitozoon cuniculi		4300	Drosophila virilis		95014	Italy		53607*
Encephalomalacia	13464	31934	ducks		62882*	Spain	106168* 106176*	106179*
62884*			goats		4432*	Czechoslovakia		73923*
Encephalomyelitis			horses		22448	France		84240*
cattle	3631 13020	51838*	insects	23508 92959	94641	Germany		
dogs		31552*	95014 23528*	73476*	83737*	East Germany	5646*	84249*
horses SEE Equine encephalomyelitis			laboratory animals	92952	92959	Great Britain	5641	43406
poultry SEE Epidemic tremor			92964			history		73919
rabbits		4300	Ostrinia nubilalis	14878	43248	Japan	33522*	64306*
swine	22971 83016	32499*	poultry	52156 82600	104308	Michigan		23978
Italy		52655	104364 104423			policies and programs		64296
vaccines		104826	rabbits	42121	82729	research programs	84250	106174*
virus	13827 13840	104825	sheep		43388	situation and outlook	84242	84244*
7197* 32535*	63242*--63244*		Thysanura		51470*	84255*		
63318* 83010*			Endocrinology		51584*	study and teaching	15012	53612
Encephalopathy		83245	Endometritis SEE Metritis			73915		
Enclosures		64590*	Endometrium	3604* 12993*	32245*	Germany		
cattle	41545 92346	33846	72823*			East Germany	15013*	84248*
5925* 41527*			Endomyces magnusii		69239*	Israel	5648	43403
chinchillas		96015*	Endomycetaceae		85711	USSR		53599*
poultry		72687*	Endomychidae		14568	SEE ALSO UNDER Forestry		
sheep	15287 52489	64684*	Endomycopsis	99104	99105	Engineers		11905
96021*			Endomycopsis chodati		38555	Engines		
Australia	5899	43775	Endomycopsis selenospora		664	diesel		84631
France		43773*	Endophyllum pampeanum		99407*	maintenance and repair		54054
Great Britain		64602	Endophytes	28323	99549	parts		84736*
Encopognathus		14815*	Endoscopy	12580*	62294*	tractors	64537 5846*	15240*
Encyclia SEE Epidendrum			Endostigme SEE Venturia			24177* 43683*		
Encyclopedias SEE UNDER specific sub-			Endosulfan			Hungary		84593*
jects			citrus pest control		42712	maintenance and repair		84631
Encyrtidae			effects on Sitophilus granarius		105335	43696* 95939*		
Africa		95277			14149	parts		43728
as parasites		95277	in beans		55000	tests		5861*
biology	84070 95281	53451*	in fats and oils		55000	types	74279*	106529*
Czechoslovakia	64151	95317	in vegetables		105335	English grain aphid SEE Macrosiphum		
flight		73036	isomers		42748	granarium		
host animal relations		95281	log pest control		14205	English holly SEE Ilex aquifolium		
hosts	73775	95329	pear pest control		105335	English oak SEE Quercus robur		
India	14780	14781	storage pest control		52948*	Enicocephalidae	5430*	14775*
Japan		73775	strawberry pest control		39430	Enicocephaloides SEE Henicocephaloides		
larvae		64155*	Endothal	11046 39429	37752*	Enischnispa		73572
oviposition		84070	101513			Enneapogon		36873*
parasites		64155*	Endothia parasitica			Ennearthron		5156
Ryukyu Islands		73776	Castanea	18129* 47196*	77645*	Ennomos subsignarius	4920	32895
taxonomy	14833 14834	14836	77649* 77764*			as pests		42765
84091 53452*	64169*		Castanea dentata	18100	19929	control		42790
USSR		84104	Endothion		105184*	eggs		33379
			Endotoxins	81877	104674			

\*Text of this reference is not in English.

Item				Item			
Ennomos subsignarius--Cont				Entomologists--Cont			
larvae	33378			Hungary	63429*		
outbreaks	14261			Mexico	46612*		
weight and measurement	95406			Entomology			
Enoicyla pusilla	43365*			as an occupation	23020	93931	
Enrogalia n g	95072			associations		42346	
ENT 25540 SEE Fenthion	103963*			Canada	52677	104952	104958
Entamoeba canibuccalis				China		93925	
Entandrophragma	51028	30597*		Czechoslovakia		63363*	
Entedontidae SEE Eulophidae				Germany		63367*	
Enteric cytopathogenic avian orphan vi-				Great Britain		93933	
rus	104368*			Hawaii		4628	
Enteric cytopathogenic bovine virus				Italy		93926*	
	22232			Switzerland		63368*	
Enteric cytopathogenic human orphan				bibliographies	3329	23698	
virus	41786			53156	83119	94657*	
Enteric cytopathogenic porcine orphan				conferences and congresses	105061		
virus	63241*			13907**			
Enteritis				Brazil		42344*	
buffaloes	72224	92586		Great Britain		4624	
cattle	12975*	22155*	31243*	Rocky Mountains		63366	
82166*				Scandinavia		93930*	
minks	3937	22383	92833	Czechoslovakia		63364*	
92811*				dictionaries		83752*	
immunization		92833		economic		13966	
Norway		41806*		Africa		23064	
rabbits	13609	32149	82709	Algeria		4724*	
93541	63331*			bibliographies		87905	
swine	22989	32434	83090	Brazil		93985*	
63231*	63331*			Bulgaria		105066*	
treatment		12704		Canada	13944	83571	
vaccines		62484		conferences and congresses			
virus		3937		4672	13983	13975*	
SEE ALSO Feline infectious enteritis;				Germany	63367*	83529*	
Gastroenteritis				Great Britain	83214	83225	
Enterobacteriaceae	3243	6106		83310	83506	83534	83536
43927	64741*	64769*		hazards and safeguards		63473*	
Enterococcus	24363	43903	55431*	history	42740	104954	104962
106808*				India	23018	42583	63507
cattle		24826*		105091			
dairy products		24826*		Italy		32638*	93952*
food	43944	24826*	54099*	Mexico		104956*	
meat		75549*		New Guinea		42439	
nuts		6742		Pacific area		42439	
spinach		6743*		reviews	42726	13975*	42441*
swine		24826*		situation and outlook		23084	
Enterohepatitis SEE Blackhead				23378	73084	93953	94251
Enteromorpha		67917		105035	63429*	93985*	
Enteromorpha compressa		89903		study and teaching	42541	83196	
Enteromorpha intermedia		88482*		Taiwan		42441*	
Enteromorpha linza	9886	19335		USSR	32920*	73058*	83125*
Enterotoxemia				94033*			
cattle		31394	72234*	equipment	4691	5362	13905
sheep		93682	22836*	13908	13909	23187	23373
72842*	72867*	93633*	104647*	33269	33481	42986	43148
Bulgaria		104695*	104721*	52676	52679	52682	53470
diagnosis			32259*	53529	63456	63814	63833
immunization		4408		63840	73036	73101	73580
swine		82966		73693	83515	83811	84186
vaccines		4408		95129	95493	105073	105518
SEE ALSO Edema disease				105807	94285*	95055*	105244*
Enteroviruses				105791*			
cattle		13069	22215	history	42347	42359	14374*
62390	72286	31258*	51638*	104960*			
82174*	92606*			Italy		93926*	
mice			4016*	Mexico		104956*	
swine		13799	22993	Nevada		1611	
42313	52622	63281	63295	periodicals		73033	
72999	73000	82972	104825	records	4623	23864	
13870*	13878*	63332*	63344*	research methods		4672	
93848*	104830*			statistical		5046	
Entex SEE Fenthion				63823	63834	63841	64213
Entobacterin		73390*		73595	104970	105507	105732
Entodinium		81870		43329*	105514*		
Entodinium caudatum		103190		reviews		42342	
Entolasia imbricata		10429		situation and outlook	93934	63364*	
Entoloma		8838		63429*	83125*		
Entoloma clypeatum		47010*		study and teaching	94653	32638*	
Entoloma lividum		47010*		63815*			
Entomobrya		33507		techniques	5530	5594	13906
Entomobryidae		53568		13973	14108	14532	14757
Entomobryinae		5628		23187	23217	23356	23678
Entomoculia		23597*		32877	32949	33032	33214
Entomognathus	33324	14815*		33240	33269	33270	33366
Entomologists		88012*		42986	43148	43235	43292
Austria		105519*		52676	52678	52726	52870
directories	93927	4629*		53207	53220	53470	53488
				63369	63456	63814	63976
Entomologists--Cont				Entomologists--Cont			
techniques--cont				techniques--cont			
64032	64178	73035	73036	64032	64178	73035	73036
73602	73639	73763	77520	73602	73639	73763	77520
84025	84186	84216	93924	84025	84186	84216	93924
95139	95140	95575	95615	95139	95140	95575	95615
105013	105120	105547	105716	105013	105120	105547	105716
106071	106094	42345*	63692*	106071	106094	42345*	63692*
63783*	73222*	94330*	94520*	63783*	73222*	94330*	94520*
105655*	105791*			105655*	105791*		
terminology	63836	95068	105500	terminology	63836	95068	105500
84068*				84068*			
Tunisia			105946*	Tunisia			105946*
Vietnam			23514	Vietnam			23514
SEE ALSO Acarology; Insectaries;				SEE ALSO Acarology; Insectaries;			
Insects; and Paleontomology				Insects; and Paleontomology			
Entomophthora	33015	77471	99083	Entomophthora	33015	77471	99083
Entomophthora aphidis			5405	Entomophthora aphidis			5405
Entomophthora coronata	105530		106030	Entomophthora coronata	105530		106030
Entomophthora fresenii			33282	Entomophthora fresenii			33282
Entomophthora ignobilis SEE				Entomophthora ignobilis SEE			
Entomophthora thaxteriana				Entomophthora thaxteriana			
Entomophthora thaxteriana			99085	Entomophthora thaxteriana			99085
Entomophthora virulenta			99084	Entomophthora virulenta			99084
Entomophthorales			33015	Entomophthorales			33015
Entomosporium maculatum			48358*	Entomosporium maculatum			48358*
77685*				77685*			
Entotrophi	14360	23952*	53589*	Entotrophi	14360	23952*	53589*
95600*				95600*			
Entyloma bellidis			77638*	Entyloma bellidis			77638*
Environment				Environment			
effects on Aedes			33229	effects on Aedes			33229
effects on animals		3397	4245	effects on animals		3397	4245
4262	4460	4478	72509	4262	4460	4478	72509
72747	78482	18792*	21938*	72747	78482	18792*	21938*
41191*	51617*	82802*	91996*	41191*	51617*	82802*	91996*
reviews		12623	94664*	reviews		12623	94664*
effects on Anopheles maculipennis			14707	effects on Anopheles maculipennis			14707
48185				48185			
effects on Autographa gamma			73798*	effects on Autographa gamma			73798*
effects on barley			68968	effects on barley			68968
effects on Bombyx mori			83709*	effects on Bombyx mori			83709*
105482*				105482*			
effects on buffaloes			92232	effects on buffaloes			92232
effects on cattle		22010	41716	effects on cattle		22010	41716
71934	81969	82338	82017*	71934	81969	82338	82017*
82328*				82328*			
effects on Chrysanthemum morifoli-			1259	effects on Chrysanthemum morifoli-			1259
um			43379	um			43379
effects on Collembola			99976	effects on Collembola			99976
effects on Coniferae			78726	effects on Coniferae			78726
effects on cotton		38294	28124	effects on cotton		38294	28124
effects on Deuteromycetes			83922	effects on Deuteromycetes			83922
effects on Drosophila melanogaster			48369*	effects on Drosophila melanogaster			48369*
effects on drug plants			100537*	effects on drug plants			100537*
effects on flax			68398	effects on flax			68398
effects on forests			78349*	effects on forests			78349*
effects on grapes			14352*	effects on grapes			14352*
effects on insect populations			14396	effects on insect populations			14396
effects on insects			94322	effects on insects			94322
94322	83743*			94322	83743*		
reviews			94664*	reviews			94664*
effects on Ladino clover			37973	effects on Ladino clover			37973
effects on lentils			89559*	effects on lentils			89559*
effects on Lilium longiflorum			1200	effects on Lilium longiflorum			1200
effects on mice			72545	effects on mice			72545
effects on mushrooms			18898	effects on mushrooms			18898
effects on oats		48094	89147	effects on oats		48094	89147
effects on oranges			69073*	effects on oranges			69073*
effects on Oribatei			94769	effects on Oribatei			94769
effects on Orthosoma brunneum			14554	effects on Orthosoma brunneum			14554
effects on Pachydiplax longipennis			43370	effects on Pachydiplax longipennis			43370
effects on Pieris brassicae			95422	effects on Pieris brassicae			95422
effects on Pinus strobus			9343	effects on Pinus strobus			9343
effects on plant disease			94313	effects on plant disease			94313
effects on plants		937	17531	effects on plants		937	17531
17564	18455	18471	18894	17564	18455	18471	18894
18901	18933	18953	19152	18901	18933	18953	19152
19161	19174	19221	27672	19161	19174	19221	27672
46703	48493	70134	77140	46703	48493	70134	77140
78482	98749	100350	18792*	78482	98749	100350	18792*
18826*	28113*	89033*		18826*	28113*	89033*	

\*Text of this reference is not in English.



Item				Item				Item			
Environment--Cont				Enzymes--Cont				Ephemeroptera--Cont			
effects on potatoes			68766	in sugars analysis			55894	collections			5615
effects on poultry	13471	22551		in swine nutrition			104769	conferences and congresses			14992
22581 31775	82534	93400*		in swine physiology	32396		62170	control			63384
93492*				63319*				diapause			43378*
effects on proso			78569*	in vegetable processing			6919	embryos			53565
effects on rats			72545	in vegetable research			85744	Europe	14963*		14977*
effects on red clover			952*	in wine analysis	6269*		24639*	Great Britain			14967
effects on rice	58419	100196		74617*				habits and behavior			23966
28098* 37819*				in wine manufacture	34252*		44171*	Himalayas			95637
effects on ruminants			12479	74616* 74668*				Iowa			63384
effects on rye			48158	inhibitors	13093		13966	larvae	14956*		33327*
effects on sheep	22855	72892		72415 9883*			96283*	Republic of South Africa			95595
82744 82017*				lipolytic	65061		13932*	respiration	14948	14949	14956*
reviews			72884*	44295*			39800*	taxonomy	5601	5602	5613*
effects on swine			22881	pectic	331		28323	14977*			73894
effects on tobacco	610	59012		68240 88860			99361	types			73894
effects on tomatoes	38375*	58677*		pectolytic	10169		19420	USSR	5619*	15000*	73892*
89744*				33386 37232			27136a	Ephestia			105340
effects on trees	28077	99931		65688 69268			65633	Ephestia cautella	42731		83498
reviews		100219		28322* 34814*			6323*	105000			
Enzootic abortion SEE Virus abortion				74565* 74616*			57963*	Ephestia kuehniella SEE Anagasta			
Enzootic ataxia SEE Swayback				properties			73859	kuehniella			4847*
Enzootic pneumonia SEE Virus pneumonia				proteolytic	19352		75628	Ephestia vapidelia			
Enzymes				97373 103240			7124*	Ephippiger	95561*		95566*
amylolytic	28306	52482	74333	13523* 16238*			41473*	Ephydriidae	33212		73615
cellulolytic	331	1279	38503	44098* 52196*			96403*	Epibelonium n g			17901*
38628 41124	41130	44501		reviews			82496	Epiblema nigricana			4924*
68240 82064	96735	57963*		therapeutic use			13257	Epiblema tedella SEE Epinotia tedella			
90952* 99219*				SEE ALSO Antienzymes; Coenzymes;			22145*	Epicardium SEE Pericardium			
conferences and congresses			41142	names of enzymes; and UNDER specific subjects				Epicattleya			79629
coagulating			4353*	Eomecon chionantha			10857	Epicauta			94892*
effects on bacteria			71694	Eoreuma			5491	Epicauta atomaria			23231*
effects on collagen			25884	Eoreuma mlanjella			5491	Epicauta (Gnathospasta)			43038
effects on food			44061	Eoscorpium inflatus			14472	Epicauta vittata			105118
effects on phenols			61512	Eosentomon			95681*	Epicerura			43277*
effects on potatoes			69245	Eosinophils			106119*	Epicoccum			99438*
effects on proteins			107472*	cattle	62221*		51820*	Epicoccum nigrum			100470
effects on starches			54125	reviews			13138*	Epicometis hirta	14167*		94386*
glycolytic	31719	10238*		dogs	13241	31576	92761*	Epidemic tremor	22477		31907
hydrolytic	38613	34486*		guinea pigs			104039*	4137* 22595*	104372*		
in agricultural products processing			6207	swine	13867*	13873*	104900*	control			72619*
in animal nutrition			51428*	Eotetranychus			83807	Denmark			13479*
in animal physiology	3244	21892		Eotetranychus mandensis			14463	immunization	52226*		93234*
21916 103295	30963*			Eotetranychus pamela			14463	Italy			93318*
in beverage analysis	15543*	74618*		Eotetranychus telarius SEE Tetranychus				Spain			52291*
in brewing			96281*					Epidendrum	10708		57557
in cattle nutrition	3492	12918						Epidendrum anceps			64029
31150 41487	82064	92281						Epidendrum difforme			8664
in cattle physiology	103421	13053*						Epidendrum elegans			57658
conferences and congresses			62170					Epidendrum lindleyanum SEE Barkeria			
in cheese manufacture			34420*					lindleyanum			
54668* 54669*	65173*							Epidendrum mariae	79569		59749*
in dog physiology			31613*					Epidendrum pfavii	77414		79565
in egg processing			7349					Epidendrum sophronitis			36926
in feed analysis			15776					Epidendrum tampense			57538
in feed processing	55587	52179*						Epidendrum trachycarpa			77324
in food processing	55587	85004						Epidermoptes			105559
64867*								Epidermoptidae			32549
in fruit processing			34814*					Epidiaspis leperii SEE Epidiaspis			
in goat physiology			82852					piricola			
in grain processing			65703*					Epidiaspis piricola			52931*
in grape juice analysis			74617*					Epididymis			
in hides and skins processing			25889					cattle	21966	21973	103421
25981 35025	55436	75628						dogs			82387*
107664 65914*	65934*	75634*						rabbits	22834		32139
75658* 75659*								rats			104586
in horse physiology	62609*	62612*						sheep	22750	22843	42125
in Hyalophora cecropia		23906						82733 104585	104586		42145*
in insecticide research		43896						52355* 63139*			
in meat processing	35108	16238*						16-Epiestriol		52222	104355
35127*								Epilachna	5456	42612	63574
in plants	84802	78648*						73576 105640	94866*		
in poultry meat processing		55740						Epilachna ocellata			14529
97373								Epilachna philippinensis SEE Epilachna			
in poultry nutrition	22562*	82579*						vigintioctopunctata			
in poultry physiology	4071	42036						Epilachna sahlbergi group			94866*
72622 82629	13523*							Epilachna sparsa orientalis			73611*
in rat physiology	31719	83253*						Epilachna varivestis	5124		32755
83254*								32770 33075			
in ruminant nutrition		71622						Epilachna vigintioctomaculata			94882
in ruminant physiology		81785						73611*			
in Samia cynthia		23906						Epilachna vigintioctopunctata			14116
in sheep nutrition		42146						105606 105688			
in sheep physiology		72863						Epilachninae			105640
in starch processing		24512						Epilampridae			23936*
								Epilampsis boops			94461*
								Epilasia			46852*

\*Text of this reference is not in English.

Item				Item				Item			
Epilepsy			62496*	Equine infectious anemia	52116			Equipment--Cont			
Epilobium	17803	18726	26830a	104131	13384*	13400*		depreciation	5668	33610	45534
99975				Czechoslovakia	52120*			54167	84301	23995*	23996*
Epilobium adenocaulon			17740*	diagnosis	72490*			24033*	43425*	53633*	73946*
Epilobium adnatum			26865a*	Japan	82446			84343*			
Epilobium angustifolium	77515		77993*	Equipment	84264			designs and specifications		15017	
Epilobium glandulosum	17739*		17740*	accounting	33533			84267	33528*	43420*	43440*
Epilobium hirsutum	98931		99824*	advisory services	5705*	33544*		43454*	64316*	64362*	73974*
Epilobium palustre			17740*	43410*				deterioration		5696	64416*
Epimelitta			63983*	animal-drawn	3996*	41858*		developing areas		15022*	
Epimetula			84149*	43688*	52124*	106318*		directories	33812	43452	64341
Epinephrine SEE Adrenalin				China	95806*			84291	84396	106223	106224
Epinotia			106036	Europe	84600*			95691*			
Epinotia fedella	83546*		94480*	France	43687*			Canada		33535	43432
Epinotia thapsiana			105966*	Hungary	95936*	84615*		Czechoslovakia			73958*
Epipactis microphylla			26872a*	Tanganyika	84278			Great Britain		84594	95712
Epipactis papillosa			79*	Australia	33579			Switzerland			43482*
Epiphyllum	19949	101341	19941*	Canada	84639			Western States			84373
36765*				China	45465	46513		effects on soils		2095	2117
Epiphyllum hybridus			59054	106246*				90162	15119*	39652*	39653*
Epiphyllum phyllanthus			98916	conferences and congresses	43420*			39680*	49640*	60089*	90801*
Epiphyllum pittieri			88324	95701*	95762*			90802*	90834*		
Epiphytes	18612	27412a*	37577*	construction	43481	73941		electric	15115	84566	106477
48478*				84258	15035*	43434*	84313*	106515	106521	15261*	15348*
anatomy and physiology			89106*	84372*	95756*			33750*	53772*	73977*	
89389*				contracts	43453	53636	5653*	Bulgaria			43692*
ecology			37577*	5675*	33531*			Europe		106509	106523
France			88981*	Netherlands	106214*	106300*		maintenance and repair			43842*
Epipyxis			77455	cooperative use	43421	5653*		95946*			
Epirimiinae			73891	64309*				USSR	33530*	34820*	74149*
Epirinus			94861*	Austria		106229*		74515*			
Epiroderoides n g			95261*	Denmark		106222*		France	64355*	73973*	84334*
Epirrhoe galiata			33412*	Germany	5708*	15074*	24042*	Germany	24003*	43413*	53637*
Episcia			67846	43445*	53644*	84368*		East Germany		5834*	84347*
Episoda			23814	Great Britain		106199*		108191*			
Episphales			94845*	Italy		64378*		Great Britain		33539	56396
Epistrophe			83994	Japan	33604*	33733*		73931	73984	15023*	43479*
Episyron			14810*	Netherlands		95738*		handbooks	95706	95751	15243*
Epithelioma				Poland		73965*		23986*	24009*	84316*	84318*
cattle			51830*	cooperatives	5675*	106205*		hazards and safeguards			95732
dogs	82399*	82400*	104004*	Canada		53627		84246*			
ferrets			92591*	France		43500*	84379*	bibliographies			57179
rats			52141*	Germany		24019*	43445*	Canada			95759
sheep			4423*	Great Britain		64328*	73938*	Denmark			95791*
Epithelium		31077	33116	84296*				Germany			84245*
13912*				Italy		73942*		USSR			73987*
Epithio compounds		26061*	66005*	Japan	33602*	33603*	33608*	high-clearance		15089	84590
Epitola			105982	Netherlands		53655*	84320*	95761*			
Epitolinae			105982	106214*				history			15037
Epitrimerus			5081	Pakistan		43698		household	23984*	73947*	84728*
Epitrimerus pyri	73278*		73279*	Poland		33580*		India		24021	43693
Epitrix cucumeris	42371		63636*	costs and returns		15028	15071	industry			24018
Epixylocopa SEE Xylocopa (Epixylocopa)				45786	53624	106197	5653*	Canada			84366
EPN			25354	64309*				Europe			53649*
Epoxide resins SEE Epoxy resins				Denmark		53645*		France	33542*	43416*	43500*
Epoxy compounds	45151		66005	Germany	7643*	43484*	73975*	84292*	84351*	84622*	
26061*				East Germany		33790*		Germany	5683*	33543*	43428*
Epoxy resins			34999	Hungary		24008*		95710*	95735*	95750*	
Epsom salts SEE Magnesium sulfate				Illinois		56164		East Germany			5707*
Epta-mer			27107a*	Iowa		66815	86725	Great Britain			43477
Eptam SEE EPTC				Japan		33605*	33680*	Poland		24010*	53842*
EPTC	9655	9790	20245	Mississippi		84738	7720*	USSR			5703*
29270	29317	29321	50791	mountain areas				Japan		15047*	33597*
70081	90601			Netherlands		5657*	106214*	labor-saving	97651	33589	33606*
Epuraea pella			53254	New Jersey		15241		43591*	53670*	64388*	95741*
Equilibrium Relative Humidity (ERH)			55998	New York		43422		95774*			
Equine encophalomyelitis			41833	Norway		7720*		Germany			43442*
92916				Ohio		84371		Japan	84363*	--84365*	84427*
bibliographies			82440	Puerto Rico		5699*		legal aspects			64322*
Brazil			22436*	Southeastern States		80699		lubrication	33767*	95914*	102242*
diagnosis			104134*	Switzerland		45607*		maintenance and repair			5656
eastern type			83219	USSR	43429*	43436*		95720	33765*	43491*	
Florida			94070	95745*				Bulgaria			33562*
Kansas			104128	USSR bloc		97928*		China	106186*	106204*	106216*
Poland			72472*	Washington		106221		106217*	106360*		
transmission			94134	Western States		64354	84329	costs	23995*	23996*	24033*
Venezuelan type		4303	41857*	credit	16595	56098	106191*	53633*	95911*		
52104*	71772*	71773*	94070*	France			86633*	Germany			43425*
virus	41833	22436*	82463*	Italy		7673*	97602*	East Germany		5693*	5834*
western type			4717	Poland			76013				33790*
California			4726	Puerto Rico			7668*	Lithuania			43492*
poultry			83218	Czechoslovakia	76054	15043*		Poland			73982*
transmission		4771	23169	95727*				Czechoslovakia		56381	15258*
32715	83218	94253		demonstrations	106218	43468*		Finland			24052*
virus	62602	92885	92930*	43542*	73912*	95730*		France			84351*
SEE ALSO Borna disease				Denmark	5667*	56208*		Germany		33545*	64340*
								East Germany		5662*	5663*
								5669*	5833*	5880*	15066*
								15243*	24039*	84294*	84561*

\*Text of this reference is not in English.



Equipment--Cont				Item	Equipment--Cont				Item	Equipment--Cont				Item
maintenance and repair--cont					statistics--cont									
Hungary	24032*	33578*	43465*		India	44122	65957		Erecella				73525	
53642*	74130*	106184*			Japan		43473*		Erecula				73525	
Netherlands			84319*		storage	43652*	53790*		Eremaea				88304	
Norway			64357*		France		53800*		Eremaeidae				42956	
Poland		33552*	73972*		Germany		33762*		Eremaeus	14465*			42956*	
Sweden	23985*	24034*	24037*		Poland		43653*		Eremobates				53205	
33568*	53647*	73944*	84271*		structures		24152*		Eremobia ochroleuca				73814	
84328*	95695*				USSR	24157*	33581*		Eremochloa ophiuroides				273	
USSR	24150*	24156*	24159*		study and teaching	26504	95916*		Eremocoris	73723			14746*	
33530*	33581*	33586*	43415*		43441*	73985*	87605		Eremocoris fenestratus				5431	
43418*	53657*	53804*	64353*		Sweden	5670*	43497*		Eremocoris opacus				105697	
73971*	84346*	84565*	95723*		terminology		24007*		Eremocoris plebejus				5431	
106240*					tests	15039	5712		Eremocoris podagricus				5431	
manufacture			84342		15029*	43437*	15017		Eremogryllodes				23918*	
marketing	15058	24018	64320		43432*	43498*	24007*		Eremoplastron bovis				3521	
Canada			64324		84321*	84624*	43500*		Eremopyrum distans				27759	
Europe			53653*		95726*		95693*		Eremopyrum triticeum				27759	
Germany	5704*	84289*	95733*		China				Eremorhax				53205	
106233*					Finland		106187*		Eremotheca				99058*	
Great Britain			43486		Germany	43434*	84349*		Eremothecium ashbyii	19376			98559*	
Italy	33559	24046*	33584*		43485*		43470*		Eremothyris				106058*	
33585*					East Germany	15073*	84369*		Eremurus	104	27534a*		58346*	
Poland			64319		Hungary		84273*		69244*					
research methods					Japan		33569*		Eremurus himalaicus				89226	
statistical			84337*		Netherlands		43423*		Eremurus tauricus				57590*	
Virginia			73952		New Zealand		15054		Eremoceros serius				83477	
Morocco			73925*		Northern Ireland		24006		Ereunetis				105936	
multiple purpose		15018*	64359*		Poland		95758*		Ergocalciferol SEE Vitamin D2					
95761*	106372*				USSR	33570*	53615*		Ergocarpon n g				88403	
Netherlands	15236*	53639*	84269*		trade				Ergolene				89856*	
New Zealand			33579		Africa		33560		Ergoline	10198*			48556*	
operation	64342	5709*	64339*		Denmark		84335		Ergosterol				19090	
84288*	84328*	84610*			European Economic Community				Ergot	62386	19269*	28313*	38572*	
Australia			43684				84357*		59067*					
Hungary			106213*		Germany		53803*		corn				89778	
research methods					Malaysia		64330		grain				57865	
statistical			84323		Netherlands		43499*		grasses				57865	
USSR	5673*	84361*	95699*		New Zealand		64345		in flour				44850*	
parts	5666	73936	5677*		Venezuela		73980*		toxicity				83076	
5878*	24023*	24053*	43447*		Tropics		95731*		Ergot (plant) SEE Claviceps purpurea					
43448*	43454*	43459*	43463*		types	73975*	23993*	33538*	Ergotism				30981*	
43865*	53666*	53798*	53803*		USSR	5690*	24057*	53599*	Eri-silkworm SEE Samia cynthia					
64362*	73964*	74162*	84268*		64346*	84327*			ricini					
84625*	95726*	95743*	95916*		USSR bloc		23987	95762*	Erianthus				9523*	
pneumatic	2663	53680	23993*		SEE ALSO types and names of				Erianthus arundinaceus				9523*	
33747*	43427*	64374*	64412*		equipment, and UNDER specific				Erianthus bengalensis				9523*	
Poland		53640	73939*		subjects				Erianthus maximus				9523*	
policies and programs			95755		Equisetum		11015*		Erica	10721	18673*	67726*	77325*	
15083*	84298*	95955*			abnormalities		58327*		98878*					
portable			5841*		anatomy and physiology		37777*		Erica arborea				99867*	
power take-off			15231		biochemistry		79062*		Ericaceae					
prices	24014	43466	106201		control		49476		biochemistry				19346*	
106210*					ecology		68395*		Estonia				67842*	
purchasing	5681	15141	43466		taxonomy		46937		Great Britain				88372	
106203	33592*	56134*	64513*		toxicity	61706*	72153*		Malaysia				57649	
84328*					Equisetum hyemale		49530		morphology				18493*	
Japan			33554*		Equisetum palustre		1249*		Pacific Northwest				88262	
Poland		73926*	73954*		2046*	79780*			Ericales	78228			88389	
Puerto Rico			5699*		Equisetum telmateia		58341		Ericerus pela		105835*		105866*	
Sweden			95829*		Eradex SEE Bayer 30686				Erichsonius		73607		105672*	
remote control		43495*	43712*		Eragrostis	707	18904	38547	Erichsonius subopacus				105682*	
rental	15028	33558	43421		88373	89200			Erigeron	46852*	57627*		69287*	
43453	45466	73976	84350		Eragrostis brichodes				Erigeron canadensis				38166*	
106203	15021*	33567*	84375*		Eragrostis curvula		1000		Erigeron sumatrensis				27542a*	
Great Britain			64336		anatomy and physiology	669	90173*		Erigeronum		83782		23550*	
Italy			43502*		Argentina		68546		Eriobotrya japonica SEE Loquats				14863	
Kentucky			24091		culture		28618*		Eriocampoides SEE Caliroa					
Poland			73954*		feed	100946	100948		Eriocaulaceae				17750	
Sweden			95829*		Japan		31147		Eriocaulon brevipedunculatum				26875a	
research methods					Eragrostis viscosa		98902*		Eriocaulon				77374	
statistical		73945	73961		Erannis defoliaria		99796		Eriochrome Black T				74794	
84270*					Eranthemum		64217*		Eriococcidae SEE Dactylopiidae					
second-hand					Eranthis hiemalis		10796		Eriococcus				105841	
shows	73968*	84280*	84297*		Erbitox		27509a		Eriococcus coriaceus				42781	
95731*	106218*	106232*			Erdisia		79836*		Eriococcus stellatus				105842	
size			84286		Erdoesina alboannulata		77394*		Eriogaster lanestris	5552			73842	
standardization		15081	43501		Erebia		94482*		Eriogonum				17699	
53690	73936	5662*	43471*		Erebia ligea		106005*		Eriopsis brassicae SEE Hylemya					
64370*	73964*	84616*			Erebia niponica		73831		brassicae					
Germany			5789*		Erebia serotina		23885*		Eriopeltis festucae				5423*	
Great Britain			64369		Erebia tyndarus group		64184*		Eriophyes essigi SEE Aceria essigi					
statistics	24018		33600		Erebotrechus n g.		43285*		Eriophyes phloeoptes	63610*			94362*	
Austria			84260*		Ereca		105612		Eriophyes pini				83558*	
Belgium			64318*		Erecabia		73525		Eriophyes pyri	14205	73261		23278*	
Canada		64914	73937		Erecana		73525		Eriophyes ribis SEE Cecidophyes ribis					
Germany	34227*	43478*	43706*				73525		Eriophyes vitis				63658	

\*Text of this reference is not in English.

			Item				Item			Item
Eriophyidae				Erysiphe graminis--Cont				Escherichia metacolloides		104414*
Africa			94713	barley	27159a	27178a	88762*	Escin		78981*
as pests	52989	83466	83465*		88826*			Esculin		31267*
94651*				grain	27177a	9051*	27145a*	Esophageal fistula		71615
control			52953*	wheat	27176a	77660	18089*	cattle	72809	82061
food and host plants			83765		88762*			reviews		31022
ecology			94698	Erysiphe graminis hordei	18749	47354		sheep	82793	22824*
Georgia		83765	83766		47886	68174	78291	9144*		72809*
Hungary			5081		18196*			Esophageal obstruction		30936*
Java			94113	Erysiphe graminis tritici	9097	47353		cattle	31412*	41626*
Philippines			83760		47371	68174		reviews		13057*
Rumania			32832*	Erysiphe polygoni			47328	dogs	3834	72438
Southern Rhodesia			93965	Eryssamena			94825*	horses		62534*
taxonomy			63880	Erythemis simplicicollis			43348	swine		3992
Texas			14423	Erythorbic acid			64766*	Esophageal worms		42317
Erioptera			94996	Erythraea centaurium SEE Centaurium				dogs	13224	22323
Eriosoma lanigerum	105297		23332*	umbellatum				31619	52023	62487
63609*	63667*	73262*		Erythraeidae		63882	94781	103956	103982	
Eriosomatinae			84053	Erythrasteria n g			26912a	swine		83056*
Eristalis			83994	Erythroblastosis	13481	52260	72174	Esophagus		
Eritrichium		67863*	98917*		82597	4239*	52272	cattle		31302*
Ermine moth SEE Hyponomeuta padella				Erythrocin SEE Erythromycin		31894*	52236*	diseases		82154*
Ernarmonia pomonella SEE Carpocapsa pomonella				Erythrocyte sedimentation reaction				dogs	3829	3891
Ernestia			88345		13028*		92043*	62515	72410	13238*
Ernobius abietis			43110*	buffaloes			103836	ducks		4120
Ernobius granulatus			83544	cattle		3531	82452*	geese		52274*
Ernobius mollis			63939*	dogs			92765*	goats		72814*
Ero furcata			33042	horses		31693*	82452*	horses		72484*
Erodium			67812	poultry		31885	82590	illustrations		72410
Erodium cicutarium			49527	swine			32467*	insects		84018
Erodium dimorphum			98983	turkeys			82590	poultry		72647*
Erogalumna n g			94721*	Erythrocytes	3141	71785	103300	sheep	22797*	72813*
Erotylidae	5128	5206	23594		105459	51575*	81747*	swine		4539*
Erra SEE Oxytetracycline				camels			21898	Esparcet SEE Sainfoin		
Ertlia (Meloidea) SEE Ertliana				cattle	3361	3570	22216	Espeletia hartwegiana		17692
Ertliana n n			94957		41670	62196	62197	72174		77395*
Erucic acid		37854	79363		82019	103691	104859	3580*		107770*
Eructation SEE Belching					31266*	92043*	92454*	analysis and composition		26069
Ervatamia heyneana			37745	dogs	22356	92728	103947	103989	26086	26106
Ervum lens SEE Lentils					103991	82382*			86270	45157*
Erwinia		58041	99555	goats			13723*		86281*	86309*
Erwinia amylovora		18241	27270a	horses		52635	13400*	62619*	107755*	107757*
	37404	37406	37411		92043*				Argentina	75730*
	58044	77853	77862	laboratory animals			103300		Brazil	75704*
Erwinia aroideae			99557	mice			41876		Bulgaria	66040*
Erwinia atroseptica		37401	37403	pigeons			72667		chemistry	26039
	58048			poultry	4207	22596	62700		conferences and congresses	97245
Erwinia carotovora		14215	37400		62784	82590	4240*	determination	85121*	107731*
	47440	58043	77863		82592*		52241*	dictionaries		64727
	88834	107357	68251*	rabbits			104540	directories		75718
	88859*		77855*	sheep	4402	13682	22855	effects on plants		28191
Erwinia cypripedii SEE Erwinia carotovora					32261	41876	42199	India		26095
Erwinia chrysanthemi			68250		52438	52456*	63107*	Morocco		7272
Erwinia maydis			77863	swine		32449	83007	plant sources	35163	36645
Erwinia tracheiphila		47436	73206		4564*	13891*	32466*	70227*		66015
Eryngium		8671	17649*	turkeys	83001*	83094*	93830*	Argentina		49567*
Eryngium campestre			59941*				62784	Canada		29390
Erynnis tages		106041		Erythromycin				Poland	26151*	55698*
Erysichton		95542		effects on eggs		4238	104471*	USSR	29412*	70203*
Erysimum	98907*	100714*		effects on Euglena gracilis		9739*		properties	35163	55644
Erysimum cheiranthoides		9613*		effects on poultry		22560	41949*	quality		45127*
Erysipelothrix insidiosa	42291	52575		93049*				reviews		65988*
	93892	103355	3111*	therapeutic use		72624	72985	situation and outlook		97256*
	52621*	62658*	72538*	94562*				Spain		66038
	91923*	91969*	93819*	Erythroneura		14746*		tests	86292	7279*
	104821*			Erythropeosis		4365*		trade	17180*	57024*
reviews			93832*	Erythropteris		73825*		Austria		36280*
Erysipelothrix rhusiopathiae SEE Erysipelothrix insidiosa				Erythrotylax SEE Erythrotylum			8740	Belgium		17193*
Erysiphaceae				Escalerosia			23581*	Denmark		76816*
Australia			99073	Escarole		65625	68010	Europe		46412*
India		8831	47048	Escherichia coli	6022	30945	30969	Germany	8285*	57023*
Rumania			99079*	cattle		30946	92439	Great Britain		76815*
Spain			99295*		31326*	31328*	62194*	Italy	17180*	36281*
taxonomy	26945a*		67987*		62309*	72150*	82250*	57024*		
Erysiphe		8990	47421	dogs	92476*			Luxembourg		17193*
Erysiphe cichoracearum	429	9002		food			30946	Netherlands		27265*
	27756	47226	47416	livestock	30910		43931	Norway		8284*
	68946	99319	37178*		30944*	91945*	71738	Sweden		76817*
anatomy and physiology			28161	poultry		41987	62826	Essigella pini		63725
pumpkins	57949	18072*	27113a*		72620	72621	31939*	Estafiatin		1413
Erysiphe communis		27096a	57881*		104431*	104447*		Estate planning SEE Inheritance		23094
Erysiphe graminis	360	99319	9094*	rabbits			82723	Esterase inhibition test	23075	
18088*				swine		4556	22942	Esterases		10170
anatomy and physiology			89492		30946	32434	63266	in bacteria		33019
					4571*	13822*	63344*	in blood		104365
					104858*	104922*	83079*	in Bombyx mori		105499*
								in cattle physiology	3654	103651
								13367*		
								in chocolate		24704

\*Text of this reference is not in English.



Item			Item			Item		
Esterases--Cont			Ethnobotany--Cont			Etsunoa n g		
in <i>Datura stramonium</i>	78980		New Mexico	36643		Euacaina SEE Notogramma (Euacaina)	43074*	
in <i>Drosophila melanogaster</i>	5339		North America	26806a		Euaesthetinae	63943	
23712 95041			Oceania	77150		Euastrum	88470*	
in <i>Drosophila simulans</i>	23712		Pacific area	77200		Eublemina amabilis	105025*	105074*
in horse physiology	13367*		Ethopabate	75045		Eublemina parva	32599	
in insect physiology	14343	105103*	Ethoxyquin	6014	22509	Eubraxis	105675	
in <i>Musca</i>	14669		85520	91893	104269	Eubraxis	95072	
in <i>Musca domestica</i>	13954	43106*	Ethyl alcohol SEE Alcohol			Eubriidae SEE Dascillidae		
in <i>Periplaneta americana</i>	5569		Ethyl carbonate	74594*	74596*	Eucalyptus		
in plants	19302	59070	74669*			anatomy and physiology	38479	
in <i>Tetranychus telarius</i>	53198		Ethyl chloride SEE Chloroethane			71239	19010*	102681*
in wheat	78972		Ethyl N,N-di-n-propylthiolcarbamate			Argentina		101300*
Esters	55620	15989*	SEE EPTC			Australia	8694	46871
86281*	102991*		Ethyl ether	13371	43115	biochemistry	1297	38561
Estigmene acrea	23083	84129	95576	34595*	63780*	breeding		102716*
106066		93989	Ethyl malonate			culture		
Estradiol			Ethyl methanesulfonate	58370	89446	Africa		50693*
effects on cattle	72228	3705*	89476	100045	47774*	Australia		61013
effects on mice	72534	72536	17-Ethyl 19-nortestosterone		72540	Burundi		71163*
effects on poultry		41994	Ethyl parathion SEE Parathion			Italy		50731*
effects on sheep		82849	Ethyl sulfate	48009	89262	Rwanda		71163*
effects on swine		32428	Ethyl sulfonate			Sicily		50713*
Estradiol-17 beta		4585	Ethyl urethan SEE Urethan			cytology	68559	18637*
Estradiol benzoate	4014	103682	Ethylene			ecology		36819*
Estradiol dipropionate		41914	effects on cantaloupes	44764		fungus diseases		18167*
Estrogens		82666*	effects on cauliflower	38238		genetics		102632*
chemistry		21892	effects on cotton	1386		identification	67880	18595*
effects on <i>Aedes aegypti</i>		94200	effects on onions	68713		introduction	50693*	50859*
effects on animals	3035	81881	in avocados	89849		Malawi		16803
3296*	21759*	71691*	in bacteria	68244		Morocco	61398*	102727*
103111*			in cantaloupes	44606		morphology		18595*
effects on cattle	3642	21996	in cotton	28076		Northern Rhodesia		16803
31147	31319	31372	in fruit	16063		nutritional deficiencies		38479
72269	72281	82185	in oats	48586		pest control		63562*
41574*			in <i>Penicillium digitatum</i>	78952		pests	14259	14834
effects on mice	31736	31737	in plants	19312		94466*		
104187	104188	104194	in tomatoes	6923		planting		102605
effects on minks		52072	in vegetables	16019		Portugal		102613*
effects on poultry	13573	41894	Ethylene chlorobromide	63676		pulpwood	21607	40978
62726	93134	104353	Ethylene chlorohydrin	87957	78734*	61481	81493	51261
effects on rabbits		104534	Ethylene dibromide	2627	4909	seeds		30383
effects on rats	41871	62656	42735	55071	63676	size		77204*
72537	82491	104185	Ethylene dichloride		101751	soils	20492*	102681*
effects on sheep	52403	52417	Ethylene glycol	4151	72702	Southern Rhodesia		16803
52403	52417	63028	97370*		79961	taxonomy		98866
93666	22768*	63130*	Ethylene imine SEE Ethylenimine			varieties		59759
effects on swine	83064*	93879*	Ethylene oxide			wood	51189	91737
83064*		72990	effects on insects	23050		61398*	81410*	81411*
in feed	96705	103111*	fumigant	42820		Eucalyptus alba		39965
in milk		65077*	herbicide	79815		Eucalyptus blakelyi		91555
in poultry meat		41970*	household pest control	23371		Eucalyptus camaldulensis		
in urine	83057	83058	in food processing	86332		anatomy and physiology		19128*
31670*	92479*	104813	in tobacco processing	7524*		growth		102488
inhibitors		72536	Ethylenebis(dithiocarbamic acid	402		measurement		80969*
plant sources	12474	21743	9113	13719	18952	pests		14859
52403	52417	61633	37263	37278	37329	planting	21273*	40646*
63028	71607	82491	342*	412*	18122*	propagation		30351
93666	100212	21759*	18159*	18176*	18917*	pulpwood		71472*
Estrolene SEE Ronnel			47236*	47309*	47352*	wood	51340	81583*
Estrone	4585	72135	68109*	77669*	77675*	Eucalyptus citriodora		61187
104151	104152	82582*	88687*	99427*	99459*	Eucalyptus citriodora oil		86322
Estrus SEE UNDER Livestock and names			Ethylenediamine	75079*		Eucalyptus crebra		91555
of animals			Ethylenediamine di(0-hydroxyphenyl)ace-	68685		Eucalyptus delegatensis SEE Eucalyptus		
Etamycin		78420	tic acid)	9461		gigantea		
Etch			Ethylenediamine tetraacetic acid	70303		Eucalyptus diversicolor		81371
redpeppers		88893	66235	68754	68773	Eucalyptus gigantea	40646	40845
tobacco	47520	88879	80768	7476*	41654*	Eucalyptus globulus		139
99631			effects on broadbeans	9611*		Eucalyptus gomphocephala		40646
Ethaltomarus n g		95245	effects on enzymes	96442		78553	78554	102488
2,2'-(Ethanediylidenedinitrilo) diphenol		85317	effects on onions	37696*		Eucalyptus grandis	21584	39965
Ethelenebis(dithiocarbamic acid	68108*		effects on plant disease	68256		41151	81459	
Ethelia	17846*		effects on plants	9915	68661	Eucalyptus laevopinea		26756a
Ether SEE Ethyl ether			effects on <i>Trillium kamtschaticum</i>	89167		Eucalyptus maideni		103064
Etherification		76876*	effects on wheat	78192*		Eucalyptus oil	139	45140
Ethers		21698	in animal physiology	62871	63090	Eucalyptus pilularis		42778
Ethidium bromide	3564	3645	in food industry		6180	Eucalyptus regnans		53059
Ethiolimnia		23702*	in sericulture		105486*	Eucalyptus rubida		103064
Ethion		35150	Ethylenediamine tetraacetic acid sodium			Eucalyptus saligna	21710	39916
Ethmia		106058*	salt	82506		41017	41054	
Ethnobotany	68410	77179*	Ethylenethiuram monosulfide	27233a*		Eucalyptus tereticornis SEE Eucalyptus		
98750*		98739*	58017*			umbellata		
Africa		77150	Ethylenimine	6670	61557	Eucalyptus umbellata		61110*
California		88154	100045			Eucalyptus viminalis		81101*
Marshall Islands		77229	N-Ethylmaleimide		69307	Eucalyptus wax	71513	71514
			Etiella zinckenella		73817*	Eucalyptus wilkinsoniana		26756a*
			Etrolene SEE Ronnel.			Eucarya acuminata SEE Fusanus acumin-		

\*Text of this reference is not in English.

	Item		Item		Item
Eucatops	94972*	Eulophidae--Cont		Eupithecia virgaureata	14864
Euceraphis punctipennis	73728 14741*	immature stages	105894	Euplagia	95430
Euchalcia bellieri	105955*	mortality	105893	Euplagia quadripunctaria	14905
Euchalinus n g	23812	rearing and breeding	5456	Euplectrini	53441
Eucharitidae SEE Eucharitidae		Taiwan	53441	Euplectromorpha	73748*
Eucharitidae	33305 33319	taxonomy	14798	Euplectus	33130
Euchelia jacobaeae	73785	Eulychnia	77394*	Eupodes	23575
Euchlaena	38728* 79323*	Eumecopus australasiae	73720	Eupolyphaga sinensis	106090*
Euchlaena mexicana	21774	Eumenes	43227*	Euproctis	32447
Euchromatin SEE Chromatin		Eumenes pedunculatus	105887*	Euproctis chrysorrhoea SEE Nygmia	
Euchromiidae	105926*	Eumenes petiolata	14832	phaeorrhoea	
Euchromius californicalis	95398	Eumenidae	84105	Euproctis scintillans subnotata	52899
Euclidia glyphica SEE Ectypa glyphica		Eumeninae	14818* 73743*	Euproctis subnotata SEE Euproctis	
Eucnecosum	94904*	Eumerus	83994	scintillans subnotata	
Eucnemidae	14504* 53253*	Eumerus strigatus	83126*	Eupteryx	95179*
Eucoccidophagus n g	95317	Eumeta	105289*	Euragallia	33264
Eucollidae	84112 73741*	Eumolpidae SEE Chrysomelidae		Eurema blanda silhetana	4908
Eucollinae	23814 73783	Eumyzus	84059	Eurhynchium zetterstedtii	77440*
Eucornuaspis	73702*	Eunarcion	31694*	Euriparia	5297*
Eucosma	33429 42747 105936	Eunotini	14840*	Euroleon nostras	95604* 95605*
106036		Euonymus	58216 57598*	European alder SEE Alnus glutinosa	
Eucosma griseana	83743*	Euonymus europaeus	48304*	European apple sawfly SEE Hoplocampa	
Eucosma schistaceana SEE Argyroploce		Euonymus verrucosus	78654*	testudinea	
schistaceana		Euonymus vulgaris	47996*	European ash SEE Fraxinus excelsior	
Eucosma tedella SEE Epinotia tedella		Euphrys sutrix	63863*	European aspen SEE Populus tremula	
Eucosmidae	42759*	Euphria	53279*	European beech SEE Fagus sylvatica	
Eudaphaenura n g	5560*	Eupariina	53279*	European chafer SEE Amphimallon	
Eudemis	32817*	Eupatorium	77314*	majalis	
Euderastichus n g	84073*	Eupatorium rugosum	9708	European corn borer SEE Ostrinia	
Euderinae	84073*	Eupatorium urticaefolium SEE Eupa-		nubilalis	
Euderus	84073*	torium rugosum		European earwig SEE Forficula auricu-	
Euderus agromyzae	14798	Eupelmidae	33301	laria	
Eudesmol	51283	Eupezoplonyx	23579*	European Euonymus SEE Euonymus	
Eudia pavonia		Euphia luctuata	53507	europaeus	
Eudorina	89116 100047	Euphorbia	55	European foulbrood SEE Foulbrood,	
Eueremaeus n g	14465*	Bulgaria	88336*	European	
Eueremaeus kuhnelti	14465*	Cyprus	117	European fruit lecanium SEE Lecanium	
Euermaeus travei	14465*	drug plant	101606*	corni	
Eugenia jambolana SEE Jambolans		morphology	89091*	European fruit scale SEE Aspidiotus	
Eugenol	41022	Mozambique	46879	ostreaeformis	
Euglena		taxonomy	36849	European larch SEE Larix decidua	
anatomy and physiology	1207 9840	USSR	57656*	European mantis SEE Mantis religiosa	
48248 58887 68686 68874		Euphorbia characias	38595*	European mistletoe SEE Viscum album	
68932 89574		Euphorbia chesneyi	36849	European mountain ash SEE Sorbus	
biochemistry	10168 19281 19314	Euphorbia decidua	88359	aucuparia	
38519 58994 59032 69187		Euphorbia esula	11021 20213	European pine sawfly SEE Neodiprion	
69246 89904 100674		79845 100346 100523		sertiifer	
cytology	68462	Euphorbia hirta	20765	European pine shoot moth SEE Rhy-	
France	88461*	Euphorbia johnsonii	46878	acionia buoliana	
India	77457	Euphorbia lathyrus	38881*	European red mite SEE Panonychus	
Euglena gracilis		Euphorbia lathyrus seed oil	45192*	ulmi	
anatomy and physiology	887 18861	Euphorbia marginata	47725*	European spruce beetle SEE Dendroc-	
19025 78698 78859 100279		Euphorbia polycephala	17667	tonus micans	
1074* 9739* 9959*		Euphorbia pulcherrima		European turkey oak SEE Quercus cer-	
biochemistry	1302 10280 19399	anatomy and physiology	1050	ris	
38529 38588 38617 48541		1227 28140 78392 100351		European white birch SEE Betula	
58987 69261 69262 79001		68564* 68851*		pendula	
89858 100609 10238*		biochemistry	78919*	Europeans in South America	108562
cultures	88175	culture	10754 39249	Europeans in Tunisia	66972*
cytology	89101 99920	cytology	89213 68564*	Eurosta	95026
proteins	58987	fertilizers	11538	Eurotium halophilicum	99090
Euglena gracilis bacillaris	38406	morphology	89213	Eurhynpara horticulata	5542
100198		varieties	1904 1905 79628	Euryale ferox	68489 78146 78162*
Euglena mesnili	100169	Euphorbia royleana	100697	Eurycorypha	23920*
Euglenini	23581*	Euphorbia villosa	63700*	Eurycotis floridana	33455 64247
Euglenophyceae	17857	Euphorbia wallichii	67874		
Eugregarina	33493*	Euphorbiaceae	89073*	Eurygaster	73851 105831 63575*
Eugyaria n g	14749*	anatomy and physiology	27644	Eurygaster austriaca	14127*
Euhelioprosopa n g	95073	Asia	142	Eurygaster integriceps	
Euhybos	14672	biochemistry	100615	as pests	105194 63599*
Euhybos piceus	73675	Cameroon	17726*	control	105195 52906*
Eulabidocarpus flexipes	14471	Texas	98910	ecology	105803 84115*
Eulabidocarpus rectipes	14471	Euphorbia longan SEE Longan		eggs	14760
Eulachnus	64107	Euphorini	33333	fecundity	43183*
Eulaelaps shanghaiensis	105599*	Euphrasia	19238 98966 100540	feeding habits	105803
Eulecanium SEE Lecanium		38249*		food and host plants	14155
Euleia caesio	73682	Euphrasia officinalis	57610*	nymphs	14760
Eulepidosaphes n g	53383	Euphyciodes	64237*	Pakistan	105832
Eulonchopria	14825	Euphydryas aurinia	33411 95494	parasites	105803 64163*
Eulophidae		Euphydryas editha	84154	USSR	83325*
anatomy and physiology	105893	Euphyes dukesi	95482	Eurygaster maura	14127*
as parasites	14798 23270 33320	Euphyodesmus	83784	Eurygenius reichei	42957
14813*		Eupista SEE Coleophora		Euryinae	43194
colonization	83477	Eupithecia	14864 14890 23892*	Euryopa	23627*
Europe	84067 84073*	73824*		Euryops	36886
genetics	53456	Eupithecia hohokamae	14890	Eurys	43194
Great Britain	53433	Eupithecia insigniata	53474	Eurysa	14747*
hosts	4648 64145 64147	Eupithecia phyllisae	14890	Eurytoma fellis	83423

\*Text of this reference is not in English.



Item				Item				Item			
Eurytoma rhois group	95340			Evonymus SEE Euonymus				Experimental farms--Cont			
Eurytoma serratae	14788			Evophrys SEE Euophrys				Japan	56518	87111	87112
Eurytoma tibialis	14788			Exacum	77352*			Iowa			76339
Eurytoma tumoris	73774			Exaltation Newcastle disease method	72980*			Netherlands		11563	35846*
Eurytomidae	5469	14788	23809					Norway		35833*	66773*
43229	95340			Exchange programs				Poland		36585*	71884*
Euscelis plebejus	83333	94310		SEE International Farm Youth Ex-				Republic of South Africa			26845
94311				change Program; International visits;				Scotland			108483
Euschistus impictiventris	42647			and UNDER Youth				Sweden		35842*	87037*
Euschoengastia costulata SEE Cheladonta				Exchanges SEE UNDER specific subjects				Uganda			81873
costulata				Excoecaria agallocha	41024			USSR	16811*	71144*	87059*
Euschoengastia eadsi	14459			Excreta				101634*			
Euschoengastia latchmani	63848			birds				Experimental forests			
Euschoengastia terrestris SEE				cattle				Alabama			30217
Schoutedenichia terrestris				5053*	51954	103572	103784	Argentina			2724*
Euscopus	105828*			insects	43330	53069	73589	Arizona			91641
Euscorpius carpathicus	63872*			32980*	63717*	94596*		California	21138		30202
Euscorpius italicus	63872*			poultry	4134	93361*	93362*	Germany	12171*		91489*
Eusimulium codreanui	95118*			rats			83254*	history			11956*
Eusimulium latizonum group	23691*			sheep			103572	Hungary			21201*
Eusisypora virilis	5226			SEE ALSO Feces; Urine				Japan	102485*		102486*
Eutegaeus	94678			Exercise SEE UNDER Livestock and				South Carolina			21318
Eutetranychus banksi	94711	105264		names of animals				Taiwan			30272*
Eutetranychus orientalis		63566		Exhaust fumes SEE Air pollution				USSR			40525*
Eutettix	53399			Exhibits SEE Shows				Washington			30235
Euthyneura	83927			Exidechthis canescens				Explosives	2321*	46529*	60890*
Eutinobothrus gossypii	94302*			Exidia	53475			SEE ALSO names of explosives			
Eutrema wasabi	106019*			Exidia nucleata	68599			Exports SEE Trade; and SUBHEAD trade			
Eutrombidium trigonum	23548			Exoascus deformans				UNDER specific subjects			
Eutypa armeniaca	77467	88788		Exobasidiales				Extension work	1557	11041	11073
Euxanthoides	106036			Exobasidium rhododendri				11107	11122	11124	25823
Euxoa marinensis	95384			Exocarpus bidwillii	548			25829	25833	26408	26875
Euxoa segetum SEE Agrotis segetum				20252	68456			27070	46110	50405	55776
Euxoa wilsoni	95383			Exocentrus (Pseudocentrus)				56226	56767	56863	66788
Euxylocopa SEE Xylocopa (Euxylocopa)				Exochomus keiseri	94826*			67119	80702	87602	98144
Euzophera osseatella	32748			Exochomus laeviusculus	94865			8055*	8056*	36110*	76635*
Euzophera pinguis nelliea	105318*			Exocortis				108753*	108805*		
Euzophera	84123			citrus	18283	88884	468*	Arkansas			48770
Evacanthidae	53398			oranges				as an occupation		46128	46138
Evagora milleri SEE Recurvaria milleri				Exolygus				46161	46212	56762	56774
Evansacaridae n fam	5080*			Exolygus maritimus	84033*			67120	67122	87464	98149
Evansacarus n g	5080*			Exolygus pratensis	84033*			56782*	106889*		
Evansacarus lari	5080*			Exolygus rugulipennis	84033*			Australia	16814	45777	45816
Evaporation	2097	2564		Exoneurella n g	23797			56839	98192	98193	98199
20378	39638	78742	79923	Exopetalium n g	5147*			Austria	41491*	76595*	80413*
79949	80011	90828	30379*	Exopetalium basilewskyi	5147*			Canada	17057	27071	36073
60090*				Exoprosopa aurivestrix	5263*			108685*			
Canada				Exoprosopa claudia	14614*			Colombia		67182*	108679*
control	20837	29456	80531	Exoprosopa litorrhynchoides	5263*			conferences and congresses		56890	
81249*				Exoprosopa louisae	5263*					56891	108736
desert areas				Exoripoda n g	42955			Costa Rica			108750*
determination				Exorista	105705*			Denmark			56862
68094	70726	79939	109234	Exosehirus n g	95266*			developing areas		87420	87513
20367*	29447*	49625*	79990*	Exoteleia chillcotti	23854			67177*			
90803*				Exoteleia dodecella	95349*			Dominican Republic			87389*
Florida				Expenditures SEE UNDER Families;				Europe	108703		56210*
France	20379*	20402*		Farmers				European Economic Community			67141*
Germany		71232*		Experiment stations	8524*			France	36062*	56806*	76607*
Goa		20903*		Costa Rica	67661*			98182*		56801*	82151*
Israel	49648	58610		directories	17081	36576	46665	Germany	84907	108691	1721*
Mediterranean area		29441*		76652				17088*	46136*	46146*	56800*
Rumania		12168*		Germany				56815*	56834*	56899*	66407*
South Carolina		77091		Great Britain				66888*	67012*	67112*	67166*
Sudan		90804		history	36594	46671		76617*	76620*	84854*	86992*
USSR	39640*	70255*		109211				87421*	98184*	108095*	108686*
Evaporimeters	102257	20367*	20908*	Hungary				108698			
68899*				Japan		87458*		Great Britain		36077	46129
Evapotranspiration SEE Water, consump-				North Carolina				56862	67117	67138	98150
tive use				Poland				76604*	98121*		
Evax	98962			policies and programs	57392	67670	85787	Greece			46162*
Evaza	83957			Rumania				Guatemala		76640	101598*
Evening primrose SEE Oenothera				Texas				history	87390	87396	87463
Evergreens				USSR				California			98177
anatomy and physiology				SEE ALSO names of experiment sta-				Ireland			36080
culture				tions				Maine			76621
Czechoslovakia	38219	27855*		Experimental farms				Vermont			98163
fungus diseases		68071		Bolivia				home demonstrations	36055		67200
India		1858*		California				87407	88061		
pest control		57942		Canada	45770	66758		Austria			76624*
propagation	1255	38219	101317	Ceylon				Colombia			67157*
varieties	1881	69876		Denmark				Germany			76612*
Evernia		10174		Estonia				Great Britain			87470
Evernia prunastri		97266*		France	72080*			Illinois			56859
Evetria SEE Rhycacionia				Germany	16815*	108377*		Kansas			98149
Evimirus n g		5092*		East Germany	19739*	97878*		New York	76628		88062
Eviphididae		5092*		Great Britain				Virginia			98198
Evolution SEE UNDER specific subjects				66777	71855---	71860	76345	Honduras			56821
				81906	103393---	103397					

\*Text of this reference is not in English.

			Item				Item				Item
Extension work--Cont				Extension work--Cont				Eyes--Cont			
India	27076	54485	85251	programs--cont				Calliphora vicina	105782		33173*
97845	98173			Republic of South Africa	76616*			95032*	105702*		
Iowa		8526	17053	South Dakota	8124			cattle	3612	42457	82305
Ireland			67127*	Spain	46193*			41599*	103188*		
Israel		8105	56759	Sweden	27122*	108759		diseases	13004	13140	41578*
Italy	27069*	98139*	108671*	Texas	87420			92498*			
Jamaica			108717	Virginia	66849	27082		Chilo suppressalis			33438
Japan	30125*	30126*	87439*	Washington	98138			Culex pipiens			33241
87458*	87459*	87524*		Wisconsin	67206			diseases	41358	103221	12598*
Korea			76659	public relations	67121			reviews			81848
Latin America		36129*	87414*	Punjab	8111			dogs	13227	13248	13298
Maine		56841	67161	Republic of South Africa	36088			52039	62519		
materials and methods			17046		76656	76658*		diseases	13225	13297	52054
24423	36055	36056	56779	research programs	56770	56794		72399	92753	52025*	104004*
56799	56877	66470	66530*	56802	56805	56816		Drosophila		14693	43111
67107	76627	87130	98153	56838	56871	56875		Drosophila melanogaster			23694
98160	108717	108746	46114*	56885	87391				95049		14668*
46118*	67129*	76653*	87497*	Senegal		46186*		goats			42213
108675*	108710*	108755*	108801*	situation and outlook	36054	56778		grasshoppers and locusts			33451
Arkansas			108744	56894	67125	87443	108782	Halisidota argentata			73806
California			17028	46192*				horses	3971	22449	31664
Colombia			67118*	South Carolina	54916	76645		82461	92892	62617*	
Costa Rica		41391*	46214*	South Dakota		67189		Hylemya antiqua			73617
103388*				Spain	8091*	45456*		Hypogastrura cavicola			5630*
Dahomey			87456	statistics		56784*		insects	33357	73498	94628
Europe			17049*	study and teaching	46151	46201		94633	14382*	32988*	32991*
Germany	67152*	87029*		87502	108700			84153*	94604*	105702*	
India	27102	98151		Colombia		108694*		reviews			42882
Israel		8107		Great Britain	36108	56897		Leptidea			53514
Kenya		25277		Illinois		98171		Limulus			14955
Netherlands	17069*	56463*		India		56861		livestock	12696	32991*	41306*
Norway		108739		Netherlands		87392*		Lycosa baltimoriana			5073
Pakistan		108697		Pakistan		76631		moths			106064*
Switzerland		56524		Syria		27093		Muscina stabulans			105772
Mexico	46124	87386	46175*	Sweden	56862	26796*	87527*	Nasonia vitripennis			14794
Michigan			54930	Switzerland	46203*	56879*	62459*	Phaenicia sericata			105717
Minnesota			27068	76602*				poultry			13551
Mississippi			56870	Taiwan		46152*	56783*	rabbits			103188*
Morocco			76532*	Texas		56840		rats			103188*
mountain areas		46223	46203*	Thailand		87467		Schistocerca gregaria			106068*
Netherlands	56862	69338	17029*	Tropics		36103		sheep	4420	13140	13665
17042*	17058*	46147*	56864*	Venezuela	87415*	108706*		Sphingidae			23866
67113*	86663*	86753*	87394*	Vermont		98163		Tipula oleracea			95008*
New Zealand		108708		Washington		28414		Tipulidae			14673
Nicaragua		87387*	87388*	Wisconsin		56776		Eyeworms	12999	104358	61799*
North Carolina		8077	56809	SEE ALSO SUBHEADS advisory serv-				reviews			12999
Northern Ireland			56898	ices; study and teaching UNDER				Eylais			63904*
Norway			8114*	specific subjects				Eylais infundibulifera			83808*
Ohio			8111	Extension workers	56762	56774		Eyprepocnemis plorans			5564*
Poland	8117*	27626*	71865*	56777	56885			Eyprepocnemis plorans meridionalis			23924
98156*				attitudes		46206	67133				
programs	6057	8071	8395	Australia			26810				
17062	17066	17298	24422	education and training			46206				
27099	27100	27325	36034	56791	56793	56797	67120				
36092	36106	36107	44657	76615	87420	87488	46197*				
46236	46450	53917	53923	67168*							
55962	55869	56874	56887	Colombia		67140*					
62457	67107	67133	67145	Great Britain		59459					
67184	67217	76656	84547	India	36097	87405	98190				
84964	87107	87399	87482	Indiana		87457		Fabospora phaffii			37031
87502	87520	87700	98134	Kansas		84902		Fabrics SEE Textiles			
98186	106601	107579	108733	Republic of South Africa		87449		Face			
36061*	98118*	98130*	98131*	Southern Rhodesia		76644		Papilio demoleus			64242
Arkansas			84648	Southern States		67197		sheep	52365	72733	82737
Austria			108482*	Japan		87525*		93582	72755*		
California			98177	Louisiana		27109		Face fly SEE Musca autumnalis			
Canada	108693	108707	108738	Nigeria		86717		Facial eczema	22846	42170	52472
Colorado			27119	Poland	24268*	43795*		52473	72828	104634	104694
Florida		27109	27146	SEE ALSO County agents				Faehraeus n g			23579*
France			108681*	Exudative depigmentary myopathy		32455*		Fagaceae	68429		88302
Great Britain	56781		67116	63270*				Fagales			36817*
Idaho			85881	Exudative epidermitis	4608	82971		Fageostreptus n g			83768*
Illinois			56859	42296*				Fagopyrum esculentum	SEE Buckwheat		
India			46133	Eye flukes	41985	41986		Fagopyrum tataricum			29369
Indiana			84825	Eye gnat SEE Hippolates pusio				Fagus			
Kansas			27109	Eye-spot				anatomy and physiology			9787
Kentucky			87445	grain		77662		28088	71232*	89581*	
Maryland			86951	sugarcane		47248		breeding	12096*	50742*	61167*
Michigan			76313	Eye-spotted bud moth SEE Spilonota				costs and returns			50700*
Mississippi			108715	ocellana				crowns		50742*	80971*
Missouri			87492	Eyelids	13677	13304*	41737*	culture			21266*
New Mexico			56857	51830*	92721*			Czechoslovakia			21193*
New York	45755	67188	108705	Eyes				Germany	2759*	2762*	21206*
North Carolina		27082	86962	Aedes aegypti		14720		61044*			
90748				Apis mellifera	23421	14331*		Hungary			12021*
Ohio	27082	36066	44664	32924*	42819*	73398*	94497*	Italy			50718*
Oregon			16355	94565*	105413*			cutting systems	30300*		30304*
								102755*			

\*Text of this reference is not in English.





	Item			Item			Item	
Farms and farming--Cont			Farms and farming--Cont			Farms and farming--Cont		
as an occupation--cont			costs and returns--cont			family--cont		
France	67156*		Great Britain	11846	26887	Israel		26870
Germany	108459*		26889	76303	76389	Italy		108452*
Great Britain	26784	56431	86984	87016	87215	Japan	7885*	86729*
Hungary		7876*	97977	97981		Latin America		26963*
Kentucky		7856	Great Plains		16974	legal aspects		108372
Louisiana		7842	Greece		45808	Louisiana		108507
Spain		108415*	Hungary		7922*	Missouri		66783
Switzerland		97881*	Illinois	76498	87223	Netherlands	45760*	45818*
USSR		108637	India	26932	26941	84279*		
Wyoming	86784	86786	56603			Poland	35972*	45762*
Canada	45771	45869	Indiana		7855	Southern States		20992
64914	64915		Indonesia		26982	Switzerland		86974*
contract	6726	7878	Iowa	7826	56580---	Wisconsin		7912
35825	76247	76260	66815		56585	father and son	56459	35780*
bibliographies		7874	Israel		50280	35853*		
France	44642*	44644*	Italy	76432*	86989*	France		43500*
108456*		75161*	Japan	26922	45894	Germany		
Germany			35891*	35909*	35928*	East Germany	15079*	45405*
East Germany	66778	85768*	Kansas		35892	Great Britain	50238	56468
97098*			Kenya	66881	66919---	76365		
Great Britain		34987*	108520		66921	Greece		12135
Japan	7868*	32064*	Louisiana		16918	illustrations		76364*
87020*	87097*	87124*	Michigan	76383	76416	incorporated		45795
Maryland		35805	76425	108524	76424	66772	66787	66767
New Jersey		75167	Minnesota		16911	97802	108372	76271
Poland	55299	56389	35903	35904	35919	98033*		35808*
6089*	35757*	55306*	108528	108529		inheritance		66978
86967*	87041*		Mississippi		26815	Denmark		7695*
Southern States		16838	mountain areas		56562	Germany		76508*
USSR		56388*	Near East		87209	Japan		7999*
SEE ALSO Vertical integration			Netherlands	7950	7831*	legal aspects	45971	16951*
cooperative	35746	56393	16901*	26908*	26909*	16969*	76479*	87257*
87020*			26939*	45898*	26911*	Michigan		87265
Denmark		56420	56707*	66916*	87161*	Netherlands		67015*
France	35758*	87053*	97964*	108521*		New Zealand		108578
Germany	87075*	93767*	Nevada		76439	institutional		17030
Great Britain		26872	New York		35876	Ireland		66785*
Guatemala		45841*	35878	45910	76445	Italy		76309*
Hungary		16870*	New Zealand		7788	Japan		33958*
India	26535	56369	108542	108548	16914	large-scale	56656	66798
Israel		56478*	North Dakota		7955	104521*		
Italy		26871	Norway		76403*	Africa		97837*
Japan	87102	26787*	Oklahoma		7958	Bulgaria		45797*
35773*	35774*	35781*	34134	45819	66904	Canada		16800
35790*	35817*	35827*	Poland	7952*	26913*	Congo		45781*
108383*			56460*	87125*	87169*	Europe		66817
Morocco		76321*	Red Basin		7896	Finland		76301*
Netherlands		87008*	Scotland	7942---	7944	Germany		66845*
New Guinea		56051	66930	87196	108543	East Germany	15270*	108462*
Pakistan		76285	South Carolina		26912	Hungary	45761*	87072*
Papua		56051	Southern States		66868	Illinois		56492
Poland	36135*	36138*	Spain		35901*	Indonesia		26982
Scandinavia		45773*	Sweden	7959*	26897*	Israel		26870
Spain		87040*	26937*	45923*	76333*	Japan	26798*	32169*
Thailand		56642	76415*	87159*	87177*	32571*	35784*	
costs and returns	7961	11848	Switzerland		26811*	Latin America	26963*	26978*
16925	25611	26903	Taiwan		45934*	Panama		66759*
35897	45884	50296	Tennessee		108509*	Southern States		45843
76020	80580	87180	Texas		45882	Spain		98038*
16895*	66910*	97971	USSR	16771*	76434	USSR		93501*
Alabama		16804	45723*	45906*	45471*	Yugoslavia		76341
Arizona		45871	56432*	56558*	45925*	layouts	43790	106170
Australia	45411	56570	76350*	86612*	76299*	Australia		60727
87157		67045	108411*	108511*	87104*	Canada		69854
Austria		66927*	United Arab Republic		26944	Germany	15005*	53600*
Belgium		108550*	Yugoslavia	56403	86617	73912*	84252*	86711*
Bulgaria	74476	26946*	directories		36011	Hungary		106451*
California		45821	family	26496	26738	Netherlands		84243*
Canada	66938	76384	35745	35751	45794	Switzerland		15014*
China		56613	66787	66797	66862	USSR		53611*
Colombia		66912*	87120	87383	97808	legal aspects		66787
Denmark	35895*	35900*	108392	108393	77057*	76359	108164	108371
56572*	66822*	66943*	Australia		7877	management	7841	7865
76426*	108525*		Belgium		66530	16692	16855	26531
developing areas		87195	Bulgaria		56530	26756	26785	26788
Europe	64856*	84968*	Canada	26777	26803	26830	26841	26855
European Economic Community			108400		86988	26882	35777	45670
Finland		87154*	conferences and congresses			45786	45798	45812
France	26924*	45785*	26679	98246		56373	56415	56419
Germany	11518	6162*	Corn Belt		108457	56513	56522	56542
16917*	26752*	26936*	Denmark		97804*	56714	66424	66818
45831*	56595*	45702*	Europe		45585*	67263	76014	76279
66870*	66922*	76430*	Finland		45822*	86737	86961	86999
97994*	97995*	76436*	Germany	7915*	45800*	87050	87052	87076
East Germany		7923*	66805*	108422*	108427*	87107	87120	97853
		66391*	India		56603			97855

\*Text of this reference is not in English.



Farms and farming--Cont				Farms and farming--Cont				Farms and farming--Cont			
management--cont				management--cont				management--cont			
Germany--cont				Germany--cont				research methods			
108438	108455	108647	7834*	56528*	66746*	66756*	66771*	86990*	87006	87135	
7910*	7916*	8189*	26782*	66789*	66800*	66820*	66837*	linear programming		86954	
45787*	45788*	56365*	56437*	66844*	66847*	66851*	66857*	87054*			
66763*	66813*	108369*		66870*	66871*	76244*	76280*	statistical	16785	26838	
Alabama			35802	76337*	76360*	84841*	86635*	98030	35431*	45852*	66810*
Arkansas			108401	86992*	87029*	87070*	87077*	Rumania			76288*
as an occupation	56181	56413		87079*	87118*	87121*	97931*	South Carolina	26753	26912	
66786				108419*	108433*	108449*	108472*	South Dakota		108405	
associations	35892	56486		East Germany	7859*	7871*		Southern Rhodesia		16803	
108363				16793*	16844*	35747*	66513*	56416			
Australia	16814	26868	45780	86955*	87004*	87119*	104148*	Southern States	66799	66868	
56395	56506	66814	87071	108389*	108414*	108470*		Spain	16777*	35801*	56499*
108376	108428			Great Britain	7911	16773		67021*			
Austria		7863*	97864*	16778	16821	16879	26760	study and teaching	7880	26875	
Belgium	35831*	35832*	108434*	26770	26887	26889	27173	56874	87126	66848*	87088*
California		26776	45782	45758	56396	66776	76277	Australia	26810	45777	
45821				76284	76303	76316	76342	45816			
Canada	7903	16781	16800	86984	98060	108366	108402	Germany	26858*	108446*	
16828	16842	16856	16865	108463				East Germany		17085*	
45771	45801	45869	66842	Greece		45808		Great Britain	7848	35754	
66938	76384	86988	87089	history		45843	16870*	35841	56491	108390	108443
97895	108477	108484	108667	Hungary	26856*	26857*	76257*	North Carolina			86962
Carpathian Mountains			26758*	Illinois	7662	7708	56392	Sweden	87002	7847*	7858*
China	56452	66794	108378*	India	28413	35422	56438	16798*	26781*	26796*	26842*
108380*	108381*	108410*	108447*	76262	87051	97819	97892	26843*	35765*	35826*	35845*
108492*				97899	97904	108051	108071	45815*	56376*	56450*	66792*
Colombia			66790*	108076	108426			76297*	76318*	87096*	97793*
conferences and congresses				Iowa	7826	7857	66815	97799*	108408*	108416*	
87115	97846	108442		108432				Switzerland		7845*	26620*
Czechoslovakia	66807*	66865*		Isle of Man		86960	86991	26811*	45764*	45825*	56483*
87032*				Italy	35840*	76240*	86989*	86974*			
Denmark	16826*	26816*	35895*	108361*	108365*	108367*	108394*	Taiwan	7836	56453*	56510*
66822*	108525*			108430*				Tennessee			26902
directories		26814		Ivory Coast			97809*	Tennessee Basin			16796
European Economic Community		26817*	108434*	Japan	16801	45842	87049	Texas		7852	66751
finance	26881	35464	45466	33830*	35742*	35769*	35798*	Thailand		35813	87091*
45474	45847	66798	75972	35810*	35811*	35814*	35848*	Togo			43410*
97582	97584	108056	26454*	35849*	35856*	35859*	66828*	Turkey			7835*
45458*	45472*			86948*	86949*	86950*	87011*	USSR	56371	7899*	16771*
Arizona			45871	87018*	87098*	87110*	97877*	16810*	16811*	16824*	16853*
Australia	26810	66382		Kansas			76289	16869*	26757*	26805*	26834*
China	97586*	97941*	97949*	Kentucky			87042	45878*	56368*	56439*	56441*
Denmark	7774*	66392*		Kenya		26809	56390	56490*	66747*	76299*	76350*
Germany	56065*	66384*		Lithuania			45790*	76369*	87057*	87059*	87086*
East Germany		66391*		Malawi		16803	56416	87101*	87104*	97822*	108411*
Great Britain	56517	87016		Maryland			86951	108421*			
Hawaii		45467		Mexico			26773	Vietnam			76317
India		75974		Michigan	66755	66867	76313	Virginia			66849
Indiana	108077			86976	86986	87035		Wisconsin		7656	7912
Japan		35492*		Middle Western States			76353	Wyoming			16772
Kansas		16561		Minnesota		16911	16912	Yugoslavia		76324	26759*
Malawi	16831	66395		35903	35904	35919	45936	marginal			45757
Michigan		56502		108444	108528	108529		medium-scale		44147*	66882*
Missouri		86614		Missouri	26806	66783	86614	mergers			7985
Montana		56495		mountain areas		26753	87072	methods	7574	7866	34080
Netherlands		56556*		26758*				56613	66152	66163	75752
New Zealand	16883	108054		Nepal			108412*	76164	85411		
108075	108475			Netherlands		7950	7831*	acceptance		36174	46347
North Central States		66400		45868*	56463*	66757*	66853*	46348	56952	67265	87602
Northern Rhodesia		16831		97964*				8184*	8188*	108801*	108803*
66395				New York		45755	45774	Germany			
Poland	56061	7952*		New Zealand		45784	45858	East Germany			69639*
86994*				108450	108475	108632		Great Britain	27173	36175	
Rhodesia	16831	66395		Nicaragua				India	46345	67262	87605
Rumania		26445*		North Carolina		7872		108067			
South Carolina		26923		7914	76296	76366		Missouri		26806	67264
Southern Rhodesia		16831		North Dakota			76001	Pakistan			98178
66395				Northeastern States			35850	Algeria			35731*
Sweden	35473*	108072*		Northern Ireland		26763	76331	Canada			87089
Switzerland		108099*		Northern Rhodesia		16803	56416	China		56452	108485*
Tasmania		108497		Norway	7837*	26824*	45767*	Czechoslovakia		76054	45857*
USSR		45471*		66860*				Germany			66857*
Wisconsin		7656		Nyasaland			56416	East Germany	56496	108462*	
Finland		45850*		Ohio			54736	Great Britain	36077	56396	
France	45785*	56379*	66760*	Oklahoma		7852	26780	Great Plains		56442	
76253*	76254*	76322*	86968*	45819	87067			Hungary		16819*	84326*
87030*	87036*	87081*	97927*	Pakistan	26836	56493	76266	India		26941	56445
Georgia		87033	97874	76286				Iraq			66826
Germany	7864*	7897*	7915*	Pennsylvania		7840	66752	Italy		76255*	108239*
12077*	16779*	16795*	16813*	Philippines			16835	Missouri			66818
16816*	16822*	16847*	16858*	Poland	7883*	8110*	45577*	Nepal			16825
16859*	16861*	16864*	16969*	45828*	56435*	56455*	87012*	Poland			26749*
26752*	35800*	45766*	45796*	87015*	87054*	108448*		Saudi Arabia			108386
45800*	45804*	45809*	45831*	Red Basin			7896	Spain		45840*	66780*
45873*	56204*	56434*	56512*	Republic of South Africa			76290	USSR	97820*	108362*	108424*
				108370				Vietnam			35957*

\*Text of this reference is not in English.

	Item		Item		Item
Farms and farming--Cont		Farms and farming--Cont		Farms and farming--Cont	
models	26786	size--cont		tenancy--cont	
mountain areas	7942 7943	France	56634*	Great Britain	7976 87233
15079* 56462* 56497*		Georgia	56644*	Illinois	8001 67017 76498
names	98174*	Germany	87047 15068* 16816*	India	98044
New Zealand	97852	16859* 16864*	43617* 45981*	Italy	108143*
number	17248	54179* 108467*	108582*	Michigan	45967
Belgium	108234* 108584*	East Germany	7859*	Netherlands	35943*
France	7753*	Great Britain	16948 66982	New York	8108
Germany	43446*	Hungary	77064*	North Dakota	7991
Hungary	56659*	Indiana	7855	South Dakota	7978
Iowa	108571	Iowa	86725 108571	terminology	97837*
Netherlands	7990* 26973*	Italy	76311* 108365*	transfer	35520 35938 45459
North Dakota	67001 98030	108581*		87257* 87285*	
Poland	87292*	Japan	7975* 35854* 87267*	types	7961 15584 46036
Scotland	108510	Netherlands	8003* 45760*	66766 86961 87180 108488	
USSR	66803*	45868* 45898*	45963* 45973*	7890* 56366*	87047* 108433*
partnerships	26832 56459	67025* 87276*		Alabama	16866
76282 76359		New England States	107789	Australia	66979 76235
policies and programs	97913	107810		Austria	97864*
Asia	97912	Norway	7837* 66860*	Belgium	56382*
Colombia	16797* 56421*	Pakistan	26836	Canada	64914 54368*
Great Britain	26724	Peru	97812*	Corn Belt	108457
India	97801 97845 97898 97904	Poland	87038 56651* 87125*	Finland	5888*
97860 97892 97898 97904		87292*		Germany	45854* 87121*
97905 97906 97917		Red Basin	7896	East Germany	45855*
Italy	87045*	Spain	45456*	Great Britain	26825 45799
Japan	97911	Sweden	7843* 7887* 45815*	45824 97977	
Netherlands	7846 45818*	76333*		Hong Kong	45454
productive capacity	98029	Tropics	84344*	Hungary	45856* 73934*
France	7753*	USSR	16784* 45827* 45929*	Israel	56391*
Germany	35593*	45968* 66801* 66803* 76242*		Italy	108031* 108361* 108430*
East Germany	7829	87024*		108453* 108458*	
Great Britain	45575	reviews	108474*	Japan	45575 54823*
Japan	35573 45575	Vermont	97926	Netherlands	66840* 67025*
Poland	45762* 97903*	small-scale	35748 38692	New Zealand	108403
Rumania	97923*	Alaska	102273	North Carolina	46015
purchase and sale	27000 67056	Belgium	87368*	North Dakota	26864
67060 67062---67064	108093	Bulgaria	76315	Norway	35920*
Alabama	67055	Europe	35812*	Poland	26831* 45776*
Denmark	97637*	Finland	75981*	Scotland	66930
Illinois	56706	Florida	26737	Sweden	45463* 76241* 76346*
New York	17005	France	87031*	Switzerland	7845* 11164*
New Zealand	108632 108806	Germany	15075* 66845* 66882*	USSR	7827* 12529* 16833*
Oklahoma	87337	East Germany	16807*	Washington	107442 107443
Sweden	36009*	Great Britain	26724 45866	Wisconsin	65019
SEE ALSO Land contracts		76490		Wyoming	26800
records	7675 56542 66788	Hungary	66855*	USSR	76305
66798 66873 66874 66878		India	35829 97860	values	86627 98077
66883 66885 66886 76372		Indonesia	26982	SEE ALSO Agriculture; Collective	
76373 87135 87138 97617		Italy	16682*	farming; Conservation farming;	
97642 97938 108455		Japan	32061* 76326*	Demonstration farming; Diversified	
Arkansas	16888	Northern Ireland	76331	farming; Dry farming; Experimental	
Australia	87149	Poland	87169*	farms; Grassland farming; Part-	
China	97945* 108447* 108490*	Switzerland	45825* 108373*	time farming; Share farming; Spe-	
108491* 108499*		USSR	35638* 36286*	cialized farming; State farms; Tree	
Denmark	56572* 66944* 108525*	subistence	26793 45861	farms; Truck farms; and SUBHEADS	
European Economic Community	26817* 31050	Sudan	45772 67251	farming; farms; farms and ranches;	
Great Britain	26770	supplies	46293 46493 108013*	orchards; vineyards UNDER specific	
56540 56541		76924 108996		subjects	
Iceland	56545*	advertising	87872 98450	Farnesol	33255 64070 73627
Illinois	108530	advisory services	108668*	105981 14729* 44239* 53483*	
Japan	35861* 35862* 35864*	California	26775 26776	Farnesyl methyl ether	23619 63970
56147* 56149* 87147*		Canada	87866	73875 5197*	
Michigan	87143*	Czechoslovakia	66341* 109000*	Fasciation SEE SUBHEAD abnormalities	
Netherlands	56592*	109011*		UNDER Plants and names of plants	
New York	16627	directories	43432 96668	Fasciola gigantica	62238 72706
New Zealand	108500	Florida	7704	Fasciola hepatica	3589 22829
Norway	26824* 56407* 97943*	Great Britain	54261 57200	31731 42184 81716 91930	
Republic of South Africa	108370	Hungary	64332	103172 103259 103629 104659	
Sweden	35845* 97798* 97799*	India	67498	22213* 22469* 31350* 61891*	
USSR	11849* 26880* 56536*	Louisiana	16918 24435	72283* 81787* 103646* 104529*	
56549* 87322*		marketing	8368 8418 24435	Fascioliasis SEE Liver flukes	
services	8404* 87094*	46311 46314 46323 56058		Fat body	5599 84044*
size	56652 56656 87060 87069	57200 86610 98460		Bombyx mori	83712*
Alabama	16804	Missouri	26806	Drosophila melanogaster	105712*
Arizona	87197	prices	76947* 76900	Galleria mellonella	33391
Australia	66979 76235	USSR	87900*	Hyalophora cecropia	23835 84163
Austria	7983*	surveys	45793 66842	Kaloterme flavicollis	33495*
Belgium	108584*	Sweden	76269*	73889*	
California	45782 45821	Switzerland	56497*	Leucophaea maderae	33475
Canada	64914	Taiwan	101921	Macrosiphum granarium	33280
Europe	16948 108237	tenancy	45466 45847 97896	Orthoptera	5597
Finland	87188*	107838		Phormia regina	73657
Florida	45900	Canada	35938	reviews	53140
		Colombia	67026*	Samia cynthia	84146
		France	108580*	Fatigue	62762
		Germany	26971* 66986*	Fatoua villosa	98976

\*Text of this reference is not in English.



		Item			Item			Item
Fats and oils		7100	26134					
acetylated			26116*					
acids	26135	26038*	86325*					
107752*								
adulteration		86271	26121*					
advertising			86275					
analysis and composition			24853					
25816	26097	26105	26107					
26136	34504	35202	45099					
45104	45138	45139	55585					
55613	55686	55697	65836					
65837	66024	66062	75694					
78261	86285	86315	86331					
97260	107705—	107707	107722					
107732	107734	107736	7244*					
7289*	7303*	16300*	16301*					
16342*	26045*	26052*	26061*					
26081*	26121*	26137*	35156*					
35175*	35180*	45113*	45118*					
45131*	45146*	45161*	45169*					
55628*	55663*	55676*	66037*					
75552*	75711*	75729*	75745*					
86277*	86282*	86288*	86296*					
86307*	86308*	97188*	97220*					
107713*	107740*							
reviews	7316	65977	7296*					
associations		97182	7311*					
bleaching			60044					
chemistry	16268	26022	26148					
55694	65838	65986	97181					
16272*	16337*	16338*	26059*					
26060*	45123*	55570*	55604*					
55623*	66005*	75708*	86293*					
97209*	97211*	97232*						
bibliographies			107773					
color		45118*	45161*					
conferences and congresses			7333					
45097	55563	55589*	91824*					
Argentina			45120*					
Germany	26027*	26028*	35157*					
65981								
Italy			86321*					
consumption	26068	86323	45171*					
66039*								
containers	64846	16282*	86305*					
contamination		7170	65836					
determination		54131	16290*					
34023*								
dictionaries			64727					
directories			16268					
effects on plants			27861					
extraction	65994	86240	97230					
7288*	25990*	26017*	26062*					
26063*	26144*	35174*	35209*					
55604*	55627*	66058*	75623*					
75641*	86225*	97226*	107711*					
107717*	107728*							
reviews			7283					
extraction equipment			107779					
feed	4056	4061	4171					
4206	4483	13462	13644					
22069	22132	22534	22540					
22647	22916	31709	31831					
31934	34504	41952	62766					
63000	63196	72999	72637					
81693	82551	82574	104303					
4115*	4486*	4547*	30821*					
31795*	31832*	31959*	41906*					
51447*	51766*	51770*	52194*					
61675*	72050*	72567*	72570*					
82573*	91824*	91847*	91854*					
93062*	104065*							
reviews			103115*					
flavor and order		45144	65986					
66024	107745*							
grading and standardization			45173					
hydrogenated		26022	26135					
35153	55596	86297*	86299					
97233	26038*	86265*						
in cosmetics			16296					
in food processing		75756	55180*					
in goose physiology			104405					
in human nutrition		17220	27302					
27324	36314	67432	98360					
17228*	30821*	46458*	55589*					
61675*	87780*							
in insect physiology		64024	42837*					
53438*	105712*							
Fats and oils--Cont								
in lumber preservation			40807*					
in pigeon physiology			41967					
in poultry physiology			32003*					
in sheep physiology	22839		42196					
in textile industry			75095*					
India			45154					
industry	16298		45129*					
Bulgaria			26080*					
France			7241					
Great Britain			66013					
Japan			86327					
New Caledonia			16277					
Poland			7323*					
Rumania			55571					
Spain			45128*					
irradiated	107708		35180*					
Japan			75747*					
keeping quality		25816	45178					
45123*	86279*							
legal aspects		26140	97194					
marketing	7328	45125	45185					
45188	45190	107720	7292*					
97113*								
nutritive value		16336	17220					
86275	51447*	57149*						
oxidation	25876	26048	31934					
33983	45133	55672	75682					
86291	26081*	26114*	45130*					
45179*	55683*	55696*	75737*					
97224*	97259*	107715*	107717*					
107729*	107730*							
reviews			7310					
policies and programs								
European Economic Community			85184*					
45189*	56965*		97248*					
France			55660					
Ivory Coast			86267*					
Spain		55643	55654*					
United Arab Republic			26144					
polyunsaturated			98360					
prices	66056	46405*	66034*					
processing	7260	7291	26115					
55571	55621	65942	86251					
86314	86331	97199	7255*					
16337*	26110*	35177*	45129*					
45148*	55548*	55604*	55638*					
55696*	65980*	66058*	75625*					
75670*	75687*	75707*	86308*					
86313*	86318*	97226*	97227*					
97238*	97240*	107721*	107728*					
107741*	107745*	107752*	107767*					
bibliographies		107777	24990*					
India		26054	26127					
research methods								
linear programming		26004*						
reviews		7235						
USSR		55679*						
United Arab Republic		25816						
products	7304	26125*	107752*					
bibliographies			107773					
properties	65838	86299	107705					
107706	26007*	26079*	26116*					
26142*	35176*	55640*	107721*					
107728*								
quality			16342*					
regulation and inspection			97194					
26074*								
research methods								
statistical		55592						
research programs	97191*	107743*						
107753*								
reviews	7232	7252	45100					
situation and outlook		7238	16302					
16310	26068	34993	65989					
75688	75738	75746	97207					
107984	16283*							
Brazil			26055*					
Colombia		75713*	75714*					
Europe			45177*					
Mediterranean area			35198					
66039*								
Spain			16334*					
USSR		107762*	107784*					
sources	55652	55661	75685					
107735	45187*	61675*						
statistics	7309	7335	26036					
65680	75688	75746	107779					
Fats and oils--Cont								
statistics--cont								
Brazil		55573*	65973*					
Japan		26108	107750					
Netherlands			75722*					
United Arab Republic			25816					
storage		26128	107717*					
tests	26126	35151	35173					
45126	45133	45144	45178					
54537	16276*	26007*	26043*					
26074*	26122*	55640*	93062*					
107606*								
toxicity			34504					
trade		67357	46405*					
Argentina			8310*					
Australia			27177					
Europe		8277	98264					
European Economic Community								
56965*	67305*		98308*					
Great Britain			67357					
India		45173	46413					
Spain			8269*					
USSR			46393					
vitamins		36369	55686					
waste			26065					
SEE ALSO kinds of fats and oils; and								
SUBHEADS fat; fat and oil content								
UNDER specific subjects								
Fatty acid esters		16266	16267					
55646	66050	97205	35354*					
41936*	57149*	85625*						
reviews			7299					
Fatty acids								
analysis and composition			26139					
55646	55687	97235	97239					
97244	107703	26019*	26091*			</		

	Item			Item			Item	
Fatty acids--Cont			Feces--Cont			Feed--Cont		
in fungi	79065	79066	dogs	3243	4782	concentrates--cont		
in Ginkgo biloba		19310	poultry	4118	23167	63211*	72041*	75002*
in goat physiology		93655	13523*	13577*		93055*	93081*	95775*
in grain	7027	38339	analysis and composition		93241	Austria		30826*
96971	34923*	66012	93293	93691	13563*	Bulgaria		31213*
in grasses	92275*	92276*	bacteria		3243	Czechoslovakia		42270*
in leeks		89804*	rabbits		104528*	Denmark	24065*	65204
in lipides		107540	sheep	3243	4334	51763*	52550*	51708*
in Locusta migratoria		5566*	22802	32237	62257	Florida		41558
in meat	31831	86135	analysis and composition		103537	France		6541
in milk	22166	24821	swine		42327	Germany		44420*
65180	74747	82102	analysis and composition		42191*	East Germany	25107*	104799*
93655	103611	3330*	83068	4538*	32477*	Great Britain	12880	44405
in milk fat	44298*	54552*	83010*				84652	
in Nocardia		48528*	turkeys		31887	Hungary	21741*	21742*
in oil seeds	58540	69058	Federal-State relations	63504	67165	India		104281
35154*	35201*	35208*	75930	76228	86980	Italy		82132*
in plants	1346	19360	88619	107637		Louisiana		62146
38599	58998	66006*	Fedtschenkia palaestinensis		43205*	Netherlands	61641*	91829*
in poultry meat		22554	Feed		56532	North Carolina		41559
in poultry nutrition	4083	22528	accounting		44410	North Dakota		51741
22541	31876	31877	additives	42490	44399	Norway	61625*	63206*
72567*			44419	51548	51559	85501*		65239*
reviews		51397	52269	54200	54218	Pakistan		22782
in poultry physiology	4075	4180	55499	88678	96689	Philippines		22922
13449	22581	41930	51393*	75013*	107103*	Poland	54727	30796*
104352			conferences and congresses		55504	51795*	54707*	65199*
in proteins		75719	adulteration		54702	65237*	72953*	75009*
in rape		100592	advertising	6579	44390	81653*	85514*	92332*
in Rhodophyceae		89864*	Albania		85541	96697*	104771*	
in rumen	3262	21833	analysis and composition		92158*	Republic of South Africa		41556
22073	51720	61672	6552	6531	6538	Sweden	72071	4088*
62142	63129	72061	13772	15783	15787	62125*	82066*	97969*
82767	82839	93623	25053	25075	25089	USSR	21795*	91830*
30990*	81874*	92550*	25099	25109	27435	conferences and congresses		6547
reviews		71835	34480	34490	34496	51389	96664	
in ruminant physiology		3107	44409	54712	54726	Europe		85549*
51592	103351		54730	54739	54740	France	34465*	34466*
in Sclerotium rolfsii		100618	65220	75010	75016	Italy		65681
in seeds		58545	75022	75028	75034	Maryland		21781
in semen		103428	75045	75046	75048	New York		21750
in sheep nutrition		42146	85517	85520	85521	Virginia		15800
in sheep physiology	4376	4413	85540	85544	85545	consumption		25065
4415	32253	52411	93769	96684	96689		65219*	
52454	52455	52467	103537	104260	109012	Czechoslovakia		107107*
82835	104726	82815	6537*	6548*	6556*	Great Britain		44405
in starches		54134	22824*	25073*	25087*	Norway		65239*
in swine physiology	32342	52610*	34459*	52548*	54709*	Poland		85514*
in tall oil	2993	41090*	54744*	72012*	75001*	USSR		34470*
in tallow		107608	75012*	75059*	81827*	contamination		6584
in tobacco		107969	85558*	91825*	96106*	25089	44398	54702
in yeasts		70357*	96116*	96674*	96681*	61803	75057	25070*
in vegetables	6898	34692	96687*	96707*	102332*	54735*	63231*	64816*
			103110*	103141*	103577*	75038*	91845*	93383*
industry		16286	104610*	106585*	107085*	103095*	105219*	
oxidation	25941	75699	bibliographies		6538	cooperatives		3924
7258*		75719	reviews		107071	44423	44877	44393
polymerization			associations		107072	costs and returns		25059
reviews		7299	Australia		12916		61630*	71989
processing	55653	26035*	bacteria	22569	30940	Australia		34488
55595*	107752*		4526*	15784*		Czechoslovakia		30807*
products		7313	bibliographies		6532	Germany		97960*
properties	55653	107747	Canada		48741	East Germany	108503*	108519*
reviews		7275	care and handling		15202	108541*		
tests		26084	44413	64390	65228	Great Britain		104301
Fatty alcohols	924	26026	93138	96669		Japan		93091*
64124	89541	75716*	Belgium		75364*	Mississippi		25095
Faustmann's formula		91491	Czechoslovakia		96933*	Northern Ireland		107110
Feather meal		22577	Italy		25055*	Norway		82416*
Feathers	4210	22678*	Sweden		25064*	Sweden		24147*
35290*	76821*	107797*	care and handling equipment		44951*	USSR		22907*
ducks		82536	5717	43508	53680	credit	26467	26492
geese		104405	84303	95700	95897	66419	108084	
pigeons		42012*	73970*	84266*	84383*	digestibility	21772	32148
poultry	22499	42037	chemistry		75020*	41500	42239	52557*
93316		72553	concentrates		12869	62066	62766	71629
Feces			12896	12898	22039	72784	82119	82937
analysis and composition		30886	22092	22130	22131	104611	104777	4547*
31064*	41328*	51565*	41538	51779	52401	22727*	22729*	22730*
bacteria	3242	3253	62098	62120	63048	32344*	32409*	41239*
106558*			72116	82036	82075	44416*	51402*	51429*
cats		52047	92350	104677	108506	52195*	63051*	71653*
cattle	22053	72293	4110*	4505*	15801*	91829*	91865*	91875*
92447*		3664*	31168*	31185*	33634*	92339*	92942*	93768*
analysis and composition		12893	51459*	61631*	61656*	104603*	104610*	104788*
13056	22218	22246				directories	6964	6988
51712	62257	82171				65707	96668	96963
31313*	103551*	103537						96980

\*Text of this reference is not in English.



Item				Item				Item			
Feed--Cont				Feed--Cont				Feed--Cont			
dried	107108	5728*	65215*	formulas--cont				legal aspects			82051
104061*				rabbits	22731	32144	82711	legislation	15779*	25085*	30987*
encyclopedias			103345	rats	22462	31709	72514*	93120*			
enzymes	31822	52196*	107097*	ruminants		3068	71622	liquid	4526*	5830*	5863*
fat and oil content		41930	92723	103129	3083*	41299*		92365*			
41551*	96687*			sheep				losses	62756	64390	34464*
formulas	6533	6575	6582	22101	22102	22780	22782	marketing	6583	7184	15791
12512	21768	25099	34461	42146	52392	63041	63044	65221	75040	96706*	
34499	41220	41221	41250	63048	72057	72788	72791	Europe			6571
51431	54721	61677	71623	82095	82764	82772	82782	European Economic Community			15796*
71642	71654	75044	81681	82783	82785	82835	93623	Germany	15798*	15799*	96702*
81687	81693	103150	3063*	104588	104677	22789*	42159*	Italy			54704*
12481*	21770*	41216*	41218*	63054*	63116*	104598*	104613*	Japan			34481*
41252*	51398*	71638*	71653*	104788*				New Mexico			6550
75038*	81661*	81688*	81911*	swine	4483	4489	4524	Norway			22376*
103109*	103148*			13768	13770	22905	22912	microorganisms		16153	54231
cats			103949	22916	32340	32403	32428	12675*			
cattle	3437	3472	3491	42247	52565	63191	63199	milling	6540	15795	44423
3503	3509	12866	12912	63204	72926	72952	82905	54721	82051	96673	107105
13153	22047	22050	22055	82921	82931	82937	82944	25068*	104258*	104277*	
22069	22092	22101	22102	82945	93772	93798	93808	Bulgaria			44881*
22109	22116	22131	31120	104777--104779	104794*	104797		cooperatives			85542
31165	31199	41487	41492	4490*	4498*	4529*	13771*	costs		6549	107110
41521	41559	51722	51726	13874*	22902*	32346*	32361*	Germany		15792*	15801*
51727	51736	62086	62098	32363*	32387*	32390*	32395*	Great Britain			25106
62112	62146	71986	72003	32401*	32405*	32408*	42238*	Italy			6539*
72047	72057	72088	72094	42240*	42249*	42260*	42268*	Louisiana		54711	85522
72116	72791	81989	82030	52536*	52543*	52546*	52548*	Texas			34483
82042	82048	82095	82137	52561*	63187*	63189*	63195*	milling equipment		24137	33749
92328	92344	92350	92358	63200*	63202*	63205*	63347*	95903	95896*		
103535	103536	103550	103552	72927*	72929*	72953*	82908*	moisture	93625	4348*	4559*
103608	103845	3493*	3565*	82917*	82918*	82925*	82936*	32354*	41923*	72949*	
12865*	12876*	12895*	12902*	82946*	82956*	83085*	93760*	molds	92383	107524	13850*
22036*	22054*	22062*	22160*	93761*	93773*	93777*	93804*	31666*	31778*	51494*	51495*
31189*	31198*	51798*	61960*	104788*				51523*	61656*	91830*	92808*
62079*	62388*	72012*	72023*	turkeys	31867	41928	41948	92942*			
72026*	72075*	72085*	75012*	93064	93152	93161	104255	reviews			85536
82045*	82068*	82087*	92343*	31832*	82563*	82570*	93045*	Netherlands			102332*
92364*	103526*	103551*	103600*	104251*				nutritive value	4098	4696	15771
103820*				fortified	13452	3459*	3500*	21748	22102	41235	52395
chinchillas		104062	104066	22088*	32415*	51387*	81634*	61657	62075	62090	62104
dogs			3780	Germany			15780*	62118	62724	72586	82088
ducks			104264*	East Germany			25111*	91827	93293	3079*	3080*
geese			4098	grading and standardization		65193	15786	3081*	3087*	4063*	6539*
goats		63129	72514*	home production			34478	6981*	12481*	21784*	21788*
guinea fowl			82576*	France			22118	22078*	30789*	30805*	31112*
guinea pigs			104155	Germany	3057*	22798*	41917*	31851*	32143*	41260*	41508*
horses			3950	51427*	86936*	91840*	103147*	51429*	51443*	51589*	54733*
mice	22463	22465	32403	East Germany			31179*	61620*	61630*	65199*	71616*
minks	22377	22378	22379	Great Britain		104268	107106	71634*	71653*	71708*	75001*
82415	92792	92793	92797	Ireland		12498	93166	81666*	91865*	91868*	91869*
92805	104081	72451*		Japan	19646*	31782*	31847*	91885*	93776*	103147*	104603*
pheasants			22566	34473*	34484*	92355*	93086*	104610*	107079*		
poultry	4053	4059	4066	93097*				packing	6580	54247	54263
4071	4079	4082	4090	reviews			41509*	75052	96932*		
4096	4147	4171	6563	Sweden			76388*	palatability	13440	13786	32203
13440	13459	13463	13600	Switzerland			87219*	75029	93606	103573	31806*
22534	22569	22575	22577	Hungary			93098*	62150*	72946*	82938*	93131*
22580	22581	31779	31801	hydrogen-ion concentration			92791*	pellets			
31808	31830	31850	31861	Iceland			3097*	3435	6551	6567	6572
31866	31877	41909	41922	India			91851	13645	13649	15795	21792
41930	41932	52191	62724	industry	15781	25795	34462	22041	22072	22073	22091
62751	62762	62773	72569	34467	34772	36589	54699	22105	22125	22777	31181
72573	72574	72583	72586	65203	75051	76924	85515	32216	41532	41948	45883
72592	72594	82561	82562	Belgium			65213*	52535	53759	54738	63046
82574	93046	93104	93107	Canada	85513	92846	107099	64383	71649	71987	72003
93108	93110	93115	93121	Czechoslovakia		96677*	107075*	72062	72784	75035	82098
93157	93166	104252	104256	European Economic Community				82099	82102	82785	82835
104260	104261	104283	104285	54723*			85504*	85516	92303	93130	93671
104289	104290	104301	104303	France			54705*	103558	13793*	30783*	51700*
4064*	4067*	4115*	13494*	Germany	12477*	25078*	25616*	51708*	51710*	53775*	61630*
22511*	22518*	22530*	22532*	44420*	107498*			64494*	71988*	82414*	85539*
22562*	22563*	31795*	31796*	East Germany			25107*	92367*	93539*	93805*	107104*
31814*	31820*	31824*	31827*	Great Britain		3145	34460	reviews			3089*
31833*	31847*	31851*	31855*	44392	44408	65202		pests			105334*
31858*	31872*	41924*	41935*	Greece			67322	policies and programs			6559
52170*	52172*	52173*	52179*	Italy		25091*	75050*	6581	25697	34500	34949
52190*	52193*	52201*	52202*	Japan			93113*	44423	65196	65216	75054
52204*	62746*	62770*	62772*	Louisiana			54711	75480	85551		
72026*	82555*	82558*	93048*	Mississippi			25703	Australia			34488
93055*	93062*	93063*	93073*	Poland		54727	65217*	Austria			75017*
93077*	93091*	93092*	93094*	vertical integration			85506	Czechoslovakia		25101*	25113*
93100*	93113*	93124*	93128*	Ireland			103107	96677*			
93131*	93143*	93147*	93158*	Italy			75008*	Europe			85504*
104249*	104257*	104276*	104284*	Japan	30805*	31833*	31834*	Germany			15793*
reviews			4108*	labeling			44391	East Germany		12496*	15782*
quail			22566					16851*	85527*		

\*Text of this reference is not in English.

Item				Item				Item			
Feed--Cont				Feed--Cont				Feed--Cont			
policies and programs--cont				regulation and inspection--cont				supplements--cont			
Hungary			15785*	European Economic Community				cattle			
Japan			96698*			34907*	65219*	3447	3492	3498	12855
New Zealand			85533	France		34469*	75013*	12861	12877	12887	12898
Ohio			54736	Germany		15777*	107103*	12918	22039	22046	22091
Poland	54696	65209	6558*	Indiana			107101	22092	22097	22133	31150
34485*	74720*	75011*	75023*	Kentucky			25088	31181	31190	31204	41534
82053*	82054*	96672*		Maine			96690	41537	51741	62078	62122
Rumania			65195*	Maryland			54726	62130	62135	63509	72007
USSR			54733*	Massachusetts			34482	72017	72053	72072	72086
USSR bloc			103128*	Mississippi	15787		96684	72090	72095	72110	72776
Virginia			54725	Missouri			25090	82051	82064	82098	82111
prices	25059	75005	96685*	Nebraska			65220	82125	82137	82771	92278
France			54705*	Netherlands			85543*	92281	92341	92344	92372
Germany	107079*	107088*		New Jersey	34489		75036	94203	103548	103553	103569
Japan	96676*	96698*	97988*	New York	44415		96686	103582	104608	3424*	31161*
Netherlands	70862*	80757*		North Carolina			54729	31168*	32352*	41479*	51707*
New Hampshire			85507	Oklahoma			45300	51763*	62095*	82065*	82071*
Poland			65199*	Rhode Island	44404		85519	92282*	92283*	92298*	92365*
processing	6572	6575	6582	Southern States			108978	92367*	103533*	103580*	103591*
15803	22112	31861	32216	Vermont	44421		44422				62768*
65225	72592	107084	4516*	West Virginia			34502	ducks			
25060*	34493*	34506*	42244*	Wisconsin	15802		107111	encyclopedias			
51415*	85531*	93101*	93137*	requirements	31224		52184	geese			
93794*	107100*			3071*	4074*		12485*	poultry			
Brazil			92272*	research methods			91827	22544	22550	22570	31822
conferences and congresses				linear programming			4066	41920	41922	62721	72583
costs	4059	33738*		12866	21742	31850	34461	72609	93080	104274	104286
Czechoslovakia	30807*	34463*		34499	41220	41221	41250	104356	23051*	31785*	31794*
Germany	12506*	85538*		65230	81681	15772*	15804*	31802*	31816*	31868*	41906*
East Germany	15782*	34476*		65231*	71638*	71674*		41944*	42049*	52172*	52180*
43626*	54717*	103103*		statistical		25076	34488	52204*	62651*	62730*	62893*
103109*	107089*			54732	71654	82034	3066*	63463*	82564*	93063*	93127*
Hungary	54703*	75842*		21741*	85511*	85997*	107098*	93139*	93140*	93801*	
Italy	54704*	75002*	82132*	research programs		75018	85547*	reviews			
Lithuania			44412*	sanitation	6542	6584	34467	rabbits			
New Mexico			6550	96665*				rats			
Poland			82575*	situation and outlook		3067	6535	sheep			
reviews	81650	41509*		6577	22097	25057	25058	32209	63047	72776	72794
Switzerland			61681*	25065	25066	25072	44389	82771	82786	93601	93614
USSR	30831*	31173*	96665*	54724	75005	75006	96692	104597	104606	104608	104609
processing equipment	6534	15202		97034				104619	104620	13641*	31161*
15790	75044	5829*	15148*	Brazil			3098*	32205*	32211*	63040*	
43621*	53779*	64493*	84390*	Canada	44401	96679	107091	swine			
95776*	95777*	106356*		Europe			96667*	4519	13769	13772	13776
Czechoslovakia			107075*	Finland			52181*	22932	22934	32378	32396
Germany			106355*	Germany				42254	42265	63191	63199
Great Britain			5821	East Germany		34475*	82092*	63213	72017	72926	72935
Poland			95894*	Great Britain		85511*		82904	82937	82944	82945
Sweden	24147*	85512*	85523*	65800		25061	25074	82953	93770	104798	4496*
USSR	24143*	33741*	33750*	Hungary			54716	4508*	13787*	13790*	32347*
33755*	43640*	53671*	53775*	Italy			65205*	32352*	32402*	42412*	42252*
95906*				Japan	85557	32373*	34495*	52529*	52532*	52542*	52555*
production quotas			25062	36277*				63212*	63333*	72924*	82917*
production regions			54700	Kentucky			65191	82942*	93763*	93801*	
properties	71637	91815	96705	Maine			85546	turkeys			
65229*	85539*			Poland	55321	96675	65197*	4091	41928	93045*	
proteins	6538	6544	13461	65218*	75027*	75042*	85526*	Sweden			
22129	25074	52565	62134	85537*	91852*	96697*		terminology			
62729	62766	72569	72574	sources	93132	61637*	104270*	tests			
85525	92341	93611	93623	Spain			22563*	43907	44399	96695	6568*
96695	103084	103135	103149	spoilage	54231	54735*	75038*	Texas			
103535	104356	3081*	3083*	statistics	25096	34500	35144	toxicity			
3482*	4067*	13494*	30786*	65765				31016	104318	104356	
31871*	32408*	32415*	34476*	Alabama			35145	107524	12647*	12675*	31399*
34494*	42261*	51401*	51459*	Germany	44406*	85538*	96678*	83023*	91924*	103568*	
51792*	52201*	54718*	61652*	East Germany		6562*	54720*	reviews			
62730*	72083*	75058*	81634*	65212*	107089*			trade			
81674*	82558*	92942*	93051*	storage	34467	22917*	34174*	Austria			
93779*	96666*	103603*	104787*	62745*	85548*			European Economic Community			
bibliographies			6538	Australia			54732	Italy			
purchasing	34474	34478	107106	Belgium			96933*	transportation			
25087*	82416*	97969*		Italy			25064*	84390*	95776*	96706*	
quality	96688	30831*	54717*	Japan	31221*		96694*	costs			
54718*	63189*	63225*	72035*	Philippines			15771	35222	44413	54728	
104295*	107097*			structures	43621*	54021*	75047*	4092	85525	107087	
regulation and inspection			6533	43621*				3095*	12497*	15779*	31827*
6546	6561	34457	44391	USSR			91830*	54718*	81665*	93073*	
44394	44402	44410	44419	study and teaching	25093*		82038*	weight and measurement			
54212	107073	107076	107080	subsidies			34503	SEE ALSO names of feeds; and			
107086	107094	108988		supplements	3102	6563	7184	UNDER specific subjects			
Alabama			25053	21767	25094	25103	61649	Feeders			
Arizona			85509	81660	81783	85541	91843	41214*	54026*	64394*	73993*
Australia	6586	75007		3048*	3063*	3076*	21749*	cats			
Connecticut	44403	96671		21785*	30793*	30801*	41207*	cattle			
Denmark			34468*	51398*	54733*	61645*	71625*	53684	62138	72063	84383*
Europe			6571	91834*	91838*			Australia			
								California			

\*Text of this reference is not in English.



Item				Item				Item			
Feeders--Cont				Fences--Cont				Fertilizers--Cont			
cattle--cont				wood				analysis and composition--cont			
Germany				SEE ALSO Snow fences				30060* 40359* 40365* 40368*			
East Germany				Fenetamina				70846* 91376* 91404* 96674*			
Great Britain				Fengia n g				102320* 102326* 102332*			
Hungary				Fennel SEE Foeniculum				application			
Illinois				Fens SEE Marshes				2154 2409 2420			
Italy				Fenson				11485 11527 20595 20598			
Netherlands				Fenthion				20713 20757 29697 29789			
Northern Ireland				chemistry				39689 39916 47088 50094			
USSR				deposits				50129 60312 60457 70553			
horses				endive pest control				80298 80306 2321* 2378*			
poultry				fly control				11547* 11567* 29670* 39898*			
33633* 93146* 95774*				94117*				49698* 49977* 49978* 49998*			
rabbits				insect resistance				50123* 60442* 60524* 80116*			
sheep				melon pest control				80392* 91064* 91139* 101986*			
swine				mosquito control				Alabama			
63199 4526* 24074* 32395*				42486 63490 83230 94228				29833			
42267* 45917* 82918* 82933*				94086 23159* 52777*				Arkansas			
Denmark				olive pest control				60413			
Germany				peach pest control				Bulgaria			
East Germany				residual effectiveness				29715* 60414*			
32394* 53678* 84403* 33634*				toxicity				Ceylon			
turkeys				animals				70642			
Feedlots				aquatic life				China			
51906 5460 21793 45846				93999 94015 94086				70507 80277 91058*			
management				Bombyx mori				Colorado			
86952 87203				man				costs			
public relations				20290 29149 101512				64419 64428 12054*			
SEE ALSO SUBHEAD feeding and				Fenuron				Estonia			
nutrition, feedlot UNDER Livestock				Fenusa pusilla				102058*			
and names of animals				Ferbam				France			
Feet				Ferkmil				50125*			
cats				Fermacto 500				Georgia			
cattle				Fermentation				60441 60449 60528			
22222* 22262* 31346* 41609*				alcoholic				Germany			
62420* 92214*				64935* 106814*				11680* 50201* 58639*			
dogs				bibliographies				70580* 70632* 80280* 102021*			
horses				industrial				East Germany			
92903 104112 13387* 52110*				6227 25529 74519 74520				11456 11517			
62620* 92920*				85025 6173* 6182* 15468*				Great Britain			
poultry				24533* 64875* 96328* 106688*				20640 40101			
ruminants				106693*				Hungary			
sheep				products				80387* 20845* 40012* 50056*			
swine				34189* 64941* 93143*				Idaho			
22951* 52604*				SEE ALSO UNDER specific subjects				11578 20693 20710			
Felicola siamensis				Fernaldina n g				102024 102029			
Feline infectious enteritis				Ferns SEE Pteridophyta				Italy			
13312*				Ferocactus viridescens littoralis				2334* 80282*			
Feltia subterranea				Feronia limonia				Japan			
Femsjonia				Ferredoxin				29822* 29837*			
Fenac				reviews				Lithuania			
49464 68774 99538				Ferrets				40077*			
Fenactil SEE Chlorpromazine				Ferric oxide SEE Iron oxides				Maryland			
Fence posts				Ferric sulfate SEE Iron sulfates				29745			
preservation				Ferricyanides				Mississippi			
Australia				Ferrisia virgata				60314			
Colombia				23297*				Netherlands			
diffusion				Ferrisiana SEE Ferrisia				70502*			
Hawaii				Ferrocytase				New Zealand			
Mexico				34241* 74645*				102068			
Mississippi				Fertility SEE UNDER Insects and names				Norway			
Republic of South Africa				of insects; Livestock and names of ani-				80438*			
Tennessee				mals; Population; Soils				20667			
tests				Fertilization of plants SEE Pollination;				Oregon			
40851 61352 81443				and SUBHEAD pollination UNDER				Rumania			
Fences				names of plants				11479* 11480* 70550*			
Australia				Fertilizers				80349* 80350* 91059* 102000*			
construction				1705 2380 20707				Sweden			
Australia				29779 37046 49994 50003				80375 2434*			
Germany				50064 58923 60392 70640				11469* 11484* 11592* 11608*			
East Germany				70648 80376 101907 2392*				11610* 21020* 29776* 29840*			
Great Britain				28003* 29753* 39647* 39795*				49962* 60342* 60351* 60362*			
Hungary				49645* 60058* 70618* 70874*				60472* 60539* 70509* 70607*			
New Zealand				102036*				80272* 80313* 80322* 80338*			
costs				accounting				80339* 80344* 80358* 80359*			
electric				advisory services				80362* 80394* 80430* 80443*			
Florida				80742 40080*				80456* 80460* 80544* 93941*			
Germany				Africa				102001* 102014* 102020* 102050*			
East Germany				analysis and composition				102074*			
106504* 106506*				30061 30062 30073 34490				Utah			
Northern Ireland				38442 40369 40370 40377				20616			
USSR				50412 50414 50427 54726				Virginia			
32369* 74270*				54730 60781 60783 60784				28034			
France				70863 80737 80741 80743				Washington			
Germany				80745 80747 80748 80751				20653			
Great Britain				80752 80753 80763 80768				Yugoslavia			
types				80772 80773 91372 91377				80331* 101912*			
wire				91385 91405 98454 102296				application equipment			
43841 74270*				102298 102299 102308 102310				5751 15121 33684 43562			
				102318 102351 109012 11860*				64419 64422 64430 64436			

	Item			Item			Item	
Fertilizers--Cont			Fertilizers--Cont			Fertilizers--Cont		
Australia	584	20778	foliar application--cont			liquid	2362	11509
bibliographies		49586*	alfalfa		101940*			50418
Brazil	50168*	91177*	apples	39952	18978*	50431	60504	60766
Canada		21010	91140*		27257a*	61225	70504	70851
care and handling	2667	60792	barley		2445*	91416	102294	102343
60799	2650*	50399*	bird rape			102303*		
91392*		70853*	cabbage			application		29708
Great Britain		43564*	cacao			20744*	50123*	70604*
Hawaii		2671	Chrysanthemum			application equipment		11863
care and handling equipment		2663	coconuts			53723	53724	64428
84442	95721*		Coniferae			106293	15130*	
Ceylon		70642	corn	48431	29830*	Germany		91293*
chemistry	2639	11841	cotton	2448	91081	Hungary		43563*
30051	30053	60125	70498*	80361*		Japan		53717*
70857	80730	80740	cucumbers			reviews		24089*
91380	91397	91400	Eucalyptus			USSR	43572*	84457*
2656*	11284*	21016*	field crops			consumption		11863
China		46513	fruit		29721*	Denmark		2401*
coated	2312	11853	grain			France		50149
70572	91106	60531	grapes	60309	18201*	Georgia		80423*
conferences and congresses		2330	58736*	70484*		Germany		91129
2642	20720	60358	peaches			Great Britain	11855	70652
60763	91378	102297	potatoes	39936	11628*	Iowa		49995
49991*	40047**		89522*			Israel		91035
consumption	21014	21028	reviews			Japan		20658*
21031	30069	40374	rice	19083*		manufacture		2651
50429	60769	60798	sorghum			11862	50402	50419
70868	80769	91398	sugar beets	20762*		11858*		91401
80744*	102323*		sugarcane	9838	38040	Norway		11864*
Africa		102348	tomatoes			Pacific Northwest		50165
Austria		91388*	trees			Poland		70852*
China		11856	wheat	29582	2445*	Rumania		11478*
Europe	50426*	80762*	formulas	102338	11864*	USSR	11582*	60425*
Florida		102311	50406*	91375*		80353*	80435*	
India	11865	29782	formulations		60761	Washington		102070
Italy		60800*	70851	70877	91373	loading equipment		73927*
Japan		70847	France		79925*	84277*		73948*
Mississippi		30062	Germany	11487*	60416*	losses		2653
New Zealand		87034	80451*	91079*		manufacture		2636
Poland		70861*	East Germany	11530*	60329*	2654	2659	2664
Sweden		40378*	70531*	70578*		2667	11862	50411
Switzerland		80762*	grading and standardization		91408	60752	70841	70845
USSR		60762	102344			70865	70877	70878
USSR bloc		11850*	granulated	43562	50130	91380	91389	91396
United Arab Republic		40360	50417	64425	80065	102330	102331	102337
Yugoslavia		50423	102344	29747*	70608*	60782*	70874*	30056*
containers		70879	80424*			China		11856
cooperatives		30055	granulation	2646	2648	Czechoslovakia		30054*
costs and returns	2660	11846	2664	2665	2668	Great Britain		2652
11848	21034	50416	50403	60761	70864	India	21027	29782
60752	60766	60799	91400	102299	40372*	60796		60767
80312	102349	49998*	Great Britain			Japan		70843
Argentina		49963*	Greece			Mexico		2649*
Arkansas	29681	39923	hazards and safeguards			Pacific Northwest		102346
Canada		11439	70866	70867	80759	Taiwan	60760	60773
Colorado		39934	91403			USSR	11857*	40362*
Georgia		87122	herbicide mixture	101493	49483*	60790*	70888*	80738*
Germany		2672*	91190*	101572*		102313*	102314*	80760*
India	30070	40082	history	2655	2318*	manufacturing equipment		2647
Italy		21019*	91366*			2657	2658	2665
Japan		70859	India	11842	19460	60795	70848	102294
Kentucky		84441	70497	91036	20632	40372*	50400*	73979*
Kenya		28126	industry		91385	marketing	2637	2640
Minnesota		30064	Asia		91390	30050	30065	30075
Netherlands		60390*	Canada		91394	50428	60771	91383
Pacific Northwest		102346	Far East		70850	European Economic Community		87154*
Poland	20622*	40108*	France		21030*	Great Britain		11855
Sweden		30076*	India	60756	60776	India		30066
USSR		80435*	70860			Italy		33559
Vermont		91407	Indonesia			Nebraska		102350
credit		97614	Italy		60764	Mediterranean area		38107
directories	2634	8369	Japan		21019*	Minnesota		20609
50422	102296	102302	Korea		70870	Mississippi		102298
effects on insect populations		13983	Mexico		70854	mixtures	2441	2632
23590	42776	14291*	Norway		60751	2645	2647	2664
73211*	73323*	83740*	Pacific Northwest		91382	11852	21018	30050
effects on mite populations		32847	Pakistan		102300	30057	39468	50401
32914*	52959*		Philippines		60341	50415	50425	60766
effects on plant disease		68288	Poland		80755*	60785	70873	80735
27018a*	47283*	77642*	Taiwan		60768	91402	102294	102301
88727*	88762*	99155*	USSR		60754*	102315	102316	102324
Far East		70497	Vietnam		60765	102350	108438	50123*
foliar application	11496	11577	Italy	20696*	20733*	91391*	102326*	80746*
20599	49444	50174	Japan		49910	China		80277
68683	78547	80340	labeling	60786	91381	Denmark		21025*
9806*	11519*	40074*	legislation	20766*	20767*	Florida		102312
90927*		60396*			91399*	Georgia		60528

\*Text of this reference is not in English.



	Item			Item			Item	
Fertilizers--Cont			Fertilizers--Cont			Fertilizers--Cont		
mixtures--cont			regulation and inspection--cont			tests--cont		
Germany	2788*		California	2635		British Guiana	50397	
Great Britain	11565		Connecticut	80745		Colorado	70631	
Iceland	102325*		Kentucky	80763	60783 60784	France	60422*	
India	21023 21027	29795	Maine	70869		Germany		
60767 70872			Maryland	54726		East Germany	29665*	40059*
Japan	70859		Massachusetts	50421	21021	Great Britain	50133	80300
Maine	29702		Missouri	60781	40369	Hungary		60418*
Minnesota	80767		New Jersey	60786	30067	India		91142
Mississippi	60314	70855	New Mexico	11859		Pakistan		20777
Norway	11864*		New York	96686	4415	Poland	49694*	49790*
Pacific Northwest	102300		North Carolina	40370		60455*		60454*
Poland	80754*	80755*	Oklahoma	45300		Tropics		20709
Republic of South Africa	50152		Rhode Island	80749		USSR		11582*
Sweden	91371*		Southern States	108978		Thailand		80269*
USSR	60775 80434	11582*	Tasmania	50409		trade	60769 70868	60780*
11583* 11584* 11647*	11857*		Vermont	40379		Africa		102348
21012* 39943* 70581*	70603*		Washington	102307		Australia	40373	60787
70604* 70607* 70660*	80256*		West Virginia	30074		transportation		60793 70849
80441* 80460* 80738*	102064*		Wisconsin	102351		43572* 70853*	73927*	80765*
Washington	102070 102307		research methods			Tropics		58188
moisture	50417 80741	91372	linear programming	40082	80442	USSR	70486 2455*	11320*
Morocco		2393*	statistical	1520 2314	2336	48118* 49810* 49967*		60822*
Netherlands	102332*		2350 2382 20604	20634		69154* 78718*	80089*	89667*
New Zealand	20778		20635 20688 29713	34586		91137* 100553*	101837*	101939*
Nigeria	50027		39924 39941 39949	39954		102047*		
nitrogen	29699 39951	20658*	40069 60321 80412	11634*		weight and measurement		91387
50179*			39957* 40053* 40371*	50811*			91395	
North Carolina		50107	60423* 80250*	91112*	91404*	Yugoslavia		102018*
Northern Ireland	50080 102006		residual effectiveness	2350 2351		SEE ALSO Composts; Green manures;		
organic	29444 78626 101689	60567*	11555 11609 11613	29686		Guanos; Humus; Manures; names of		
101715 29709*	49776*		49961 50095 50136	70605		fertilizers; and UNDER specific		
70583* 74056*			80258 80271 80298	91118		subjects		
Bulgaria	39975*	40046*	91155 102054 11531*	20587*		Ferula	8729 98918	19070*
China		80277	39915* 39973*	50100*		Ferula assafoetida		79899*
Czechoslovakia		29710*				Ferula communis		95342*
El Salvador		101942*	reviews			Ferulic acid	19124 19402	70333
Estonia		102058*	Rumania	2323* 2399*	2438*	100616*		
Germany		89653*	2604* 101913*	102042*		Fescue SEE Festuca		
East Germany		49970*	Sahara		102145*	Festivals		87427*
Hungary	80329*	80465*	situation and outlook	34586 50407	70856	Festuca	17770 19659	37595
India	29750	60810	60753 60794 60798			90733 91125 100987	101346	
Italy		60509*	91374 91385 102341			71988*		
Mediterranean area		50100*	Czechoslovakia		60791	Festuca arundinacea SEE Festuca		
Netherlands	20687*	80290*	Far East		102321	elator arundinacea		
Northern Ireland	102363 102364		Japan	70847	30058*	Festuca elatior		69578*
Poland	1240* 49979*	50106*	Mexico		45287*	anatomy and physiology		78448
60298* 70651*	80316*	91108*	Poland	50433	70852*	78743 78600*		
reviews		20750*	Taiwan		102353	culture	90125 48920*	59344*
Rumania	1206* 11633*	11477*	USSR		60754*	78600*		
20605* 60462*	70641*	80409*	Spain	102010*	102028*	cytology		18527*
91147*			statistics	30069 60762	80766	ecology		58144
Spain		49989*	60769 60794 70875			fertilizers		60487*
USSR	49962 2360*	11570*	102317 60779*	80744*		genetics		27678*
11647* 29679*	29755*	29767*	Alabama		2634	seeds	48920*	89113*
29774* 29818*	33682*	40107*	Canada	50404	60758	varieties		101018*
40372* 50085*	60350*	60351*	Europe		60789*	yields	19613*	60487*
70586* 70881*	80249*	80251*	Florida	2643	2644	Festuca elatior arundinacea		37763
80256* 80328*	80336*	80408*	Germany	40376*	80739*	69578* 100982*		
80441* 80460*	101973*	101985*	Great Britain		40364	control		49502
United Arab Republic	2223	60322	India		50408	culture	10449 28700	59384
Yugoslavia		101897*	Indiana		11851	feed 22041 34505	72090	72102
packing	2667 50432	54247	Louisiana		11854	genetics		9551
54263 60793 70849	91395		Missouri		60781	hybrids		9551
particle size	69128	70659*	Nebraska		102329	seeds	86434	89113*
pellets	21032	40094	New Mexico		102333	Festuca idahoensis		9330
policies and programs		91024	Oklahoma	11861	102336	Festuca ovina	1617*	91150*
Colorado		45652	storage	21023 30053	70849	Festuca pratensis SEE Festuca elatior		
developing areas		29787	80774 91396	70853*		Festuca pseudovina SEE Festuca ovina		
Morocco		91172	China		102305*	Festuca rubra		
Tennessee Basin		80439	Germany		2672*	anatomy and physiology	78567	89057*
USSR	60762 60450*	60464*	India	60793	102342	culture		49198
76904* 101975*			Norway		80765*	ecology	88982*	89057*
prices	21034	70876	Poland		60778	germination		100134
Europe		74478	Sweden		11847*	seeds	38823 1617*	7408*
European Economic Community		87154*	USSR	21020*	60822*	varieties		100935*
Germany		2661*	study and teaching	29787 80413*	60527	yields		38823
Netherlands	70862*	80757*	subsidies		2633	Fetus SEE SUBHEAD embryos UNDER		
USSR	102334*		Sweden	2443*	102049*	Livestock and names of animals		
properties		2329	Switzerland	11499*	28667*	Feulgen test		33457*
regulation and inspection		50418	60385*			Fever	31669	30998*
102304 102309 102324	102328		technology	11866 21033	29746	Fiber plants		
102347 102352 108988			40361 80761 91397	102297		Africa		69490*
Alabama	102296		102315 102338 102339	102343		Asia		85578
Australia	50424 80771	80772	102345 102319* 102340*			bibliographies		28604*
			70415 80773 91409			China		90088*
			101715 50812* 101913*			culture	59285	100893

\*Text of this reference is not in English.

	Item			Item			Item	
Fiber plants--Cont			Fibers--Cont			Ficus elastica	59766*	99681*
diseases		8939	chemistry--cont			Ficus glabrata		89926
history		100891	conferences and congresses	51321		Ficus pretoriae		46773
India		1543	reviews	54764		Ficus racemosa		19413
Iowa		28435	consumption	6629 15878	54838	Ficus retusa	106112	23276*
Malagasy Republic		69490*	85632*			Ficus septica		1410
varieties	100892	110893	Australia		44432	Ficus vallis-choudae		95309*
Vietnam		85578	Austria		34592*	Field choppers SEE Choppers		
SEE ALSO names of fiber plants			Canada		85574	Field cricket SEE Gryllus pennsylvani-		
Fiberboard	41078	74183*	Europe	96744	41081*	cus		
conferences and congresses		41068	Germany		25192*	Field crops		
construction	41065 41088	41097*	identification	15847	30640	accounting		108496
102935* 102936*			in pulp and paper manufacture		44431	acreage and area	15497	34198
consumption	41087 41089	41099	labeling		25175	43895* 44120*	85056*	85076*
41122			lubrication		34612	97978* 106746*		
costs and returns	40966	41070	marketing	15878	34108	analysis and composition		20608
cutting		61544*	microorganisms			20655* 96107*	96116*	
Czechoslovakia		41073	conferences and congresses	97091		anatomy and physiology		1039
decay	103014	102895*	moisture	107210*		9747 10048	18841	28222
defects		12427*	policies and programs	15806*		28247 77798	78542	78580
directories		81470	prices	6629		78603 78615	78640	78844
durability	12277*	30683*	processing	6591 25123	25249	89627 1148*	1165*	1240*
Europe		41084	34183 34565 61490	75129		10036* 10102*	27793*	27929*
finishing	41083*	71538*	15822* 54771* 75094*			27995* 28186*	38085*	38230*
gluing		71545	conferences and congresses	15874		38470* 48257*	48473*	48502*
grading and standardization		51307*	34161			58478* 58891*	58904*	58951*
Japan		41094*	reviews		54764	68699* 89552*	89708*	89731*
manufacture	21665 41104	55963	products	6629 107148	107182	100146* 100440*	100492*	
61530 41090*	81556*		properties	6638 12395	25235	breeding	19456	19458 100752
Australia		41096	30643 44424	54853	61492	19468* 59105*		
Austria		30697*	71475 75115	85602	94025	Bulgaria		48662
Bulgaria		51313*	96708 107148	6656*	65357*	China		89967*
Czechoslovakia		61546*	65358* 75119*			Denmark	48652*	48657*
Finland		41092*	reviews		54764	Finland		38675*
Hungary		30687*	proteins		107210*	Germany		
Japan	41090*	81559*	research methods			East Germany		59121*
Norway		61539*	linear programming	44493		Great Britain		89965
Pakistan	103015	2998*	statistical	34586		Hungary		79086*
Poland		40966	reviews	54902		Iceland		1453*
Yugoslavia		40966	situation and outlook	25143	25159	Mozambique	28424*	69360*
marketing	41064 41078	61547*	34570 34586	85590	85629	Poland	1468*	59114*
materials	16440 55885	55963	34592* 54860*			reviews		100753*
61531 71545	12428*	21670*	staple length	34591 44492	75092*	Sweden	19462*	59110*
21679* 41070*	51257*		96720*			89988* 100736*	100737*	
Bulgaria		51313*	statistics		15812 25188*	USSR	48668*	69348*
Czechoslovakia		41073	structure	12455 44477	54906	89982* 89992*	100758*	79092*
Europe	41081	41084	75140 96708	107116 107146		Canada		16856
Finland		41092*	107147 107148	107184 107194		conferences and congresses		2090
Hungary		41121	107195 16515*			89969 89970		
India		81553	synthetic	6615 6636	6685	cooperatives		84879
Kenya		44497	25114 25118	25167 25228		costs and returns		97999
Norway		61539*	25255 34513	34528 34574		Belgium		108513*
Poland	44456*	51318*	44444 44459	44492 44500		Hungary		29963*
packing		3001*	44521 65343	85608 107123		New York	45908	108496
pest control		102895*	107150 6616*	85632*		Pakistan		97954
Poland		41089	consumption	25159		Poland	87202*	99206*
preservation		102895*	in pulp and paper manufacture			Sweden		108630*
properties	16440 21665	81554	marketing	21595		USSR	45935*	97978*
91751 103060	41104*	41115*	research programs	96763		20247 64909		
41173* 71536*	86478*	103020*	spinning	15839*		28433 70629		
strength	103014	40944*	statistics	96723*		Alabama		60475
tests	21667	91751 103014	tests	44425 54798	75140	Austria		97864*
trade			75150 85602	91719 44491*		California		48665
Europe		41093	trade			Canada	10048	38666
Norway		61289*	Italy		25188*	China	89966*	100749*
USSR		41075	types	34570 34637	34638	Congo		48673*
utilization research		41113	96725*			Czechoslovakia		100759*
weight and measurement		41101*	weight and measurement	107166*		Denmark	1451*	38656*
SEE ALSO Particle board			SEE ALSO kinds and names of fibers;			79101* 100756*		59108*
Fiberglass SEE Glass fibers			and UNDER specific subjects			Finland		77621*
Fibers	25142	65347	Fibrin	33109 103722	103723	Germany		97551*
alkylated		6631	Fibrinogen	103722 103723	31314*	East Germany	19463*	59125*
analysis and composition		21611	Fibrograph	65313 15842*	44491*	89985*		
25144 25146 25167		34011	Fibroin	73450* 83682*	83702*	Great Britain	11649	69340
25234* 34519*	65256*	75145*	94615* 105495*	106010*		101894		
75151*			Ficalhoa laurifolia		26892a	Great Plains		80221
reviews	54767	54831	Ficaria SEE Ranunculus			Iceland		1453*
blending	6611 6615	6626	Ficoideae		18648	India		10285
15805 25154 25198	25228		Ficoideae SEE Aizoaceae			Japan	19453*	40196*
34513 44493	54798	54870	Ficus	37651 67872	98872	Lithuania		2502*
65323 65343	75127	85580	47761*			Maryland		79090
85636 107150	15839*	65270*	Ficus benghalensis		89176	Minnesota		38673
75128* 107149*			Ficus benjamina		23276*	Mongolia		59119
carding and combing	65300	85563	Ficus carica SEE Figs			mountain areas		60440*
96750 85612*	85613*		Ficus carica sylvestris SEE Figs			Netherlands	10307*	38677*
carding and combing equipment			Ficus crassiuscula		95307*	New Jersey		48666
107187* 107190*			Ficus decora		59766*	Northern Rhodesia		50278
chemistry	12369	51321 51334						
107189 107210*								

\*Text of this reference is not in English.



	Item				Item				Item		
Field crops--Cont				Field crops--Cont				Field crops--Cont			
culture--cont				fertilizers--cont				pest control--cont			
Norway	38662*	60440*	68699*	Republic of South Africa	50152			Netherlands	68203*	77582*	
Poland	50204*	79097*	89982*	reviews	29781			New Jersey		27008a	
Rumania		10302*	11656*	Rumania	11478*	11597*		Poland	23238*	63571*	
Surinam			70696*	South Dakota	60372	70628		Rumania		4794	
Sweden	1461*	20792*	28432*	Sweden	2320*	2340*	2379*	Scotland		8921	
38654*	38674*	59127*	69335*	2389*	20627*	28408*	29720*	Texas		32786	
69337*	69347*	79087*	100734*	50108*	60359*	70593*	80379*	USSR	14090*	17989*	32738*
100748*				80445*	91098*	91099*	100745*	77534*			
Switzerland			48660*	100755*	101919*	101932*	101972*	pests	4811	5124	13983
Thailand			48663*	Taiwan	102037	102038*		94267*			99233
USSR	1452	29863	2489*	Tanganyika		11493		California			63586
2501*	19464*	48651*	60543*	Texas		60344		Canada	26986a		94352
69339*	78718*	79084*	79096*	USSR	50084	80437	11452*	conferences and congresses			94365*
79106*	80491*	100744*	102183*	11542*	11543*	11582*	29679*	Denmark			105232*
108424*				29690*	39903*	39946*	39947*	Finland			105237*
disease resistance	37144	77798		49760*	49799*	50008*	50148*	Germany			
diseases		100752		60350*	60351*	60471*	60503*	East Germany			83332*
Australia		8939		70487*	70609*	70660*	78585*	Great Britain			83310
Austria		88621*		80307*	80366*	80388*	80441*	Greece			23091
Canada		99153		91094*	101941*	102007*	102017*	Hungary			52868*
Denmark	284*	37156*		Washington		102070		India	4791	4836	14086
Japan		28211*		fungus diseases	27140a	27512a		14115	106072		
Minnesota		88603		58030	417*	57968*	68203*	Italy			14131*
Netherlands		77582*		99383*	99394*			Japan			95504
New Zealand		37144		Germany				Lebanon			83467*
North Dakota		88562		East Germany	106545*			Poland	37079*	63940*	105243*
South Dakota		88673		germination	1165*	57968*	58499*	Republic of South Africa			95553
Sweden	18012*	99141*		89550*				Sweden	18012*		99141*
USSR	17989*	77534*		reviews		58707		Switzerland			63636*
drying	44092	84547		Great Britain		69357		Tanganyika			83368
drying equipment	24142	84520*		hardiness		69355		USSR	5196*	37050*	37063*
84533*	84537*	84553*		harvesting	18841	19461	74087*	37064*	37101*	42633*	
ecology	18424	47650	48665	95853*				Yugoslavia			32646*
equipment		33788*	43555*	history	19456	24567	38665	planting	38663		10283*
fertilizers	9747	11527	11644	hybrids			59105*	Arkansas			100761
20608	49958	60370	60421	injuries	4822	281*	87881*	Great Britain			11517
60467	70654	78844	80421	irrigation			60467	Hungary	64439*		89986*
100746	102349	11528*	11647*	Canada			69345*	India			59214
20655*	29717*	29760*	29819*	Germany				Japan			28434*
38085*	39977*	39982*	50119*	East Germany	40184*	102182*		Mongolia			69344
60406*	70587*	80267*	80367*	Great Plains		80221		Sweden			59148
100492*				Hungary	29963*	60638*		USSR	19452*	29984*	106276*
Australia		60475		Kansas		60593		Poland			38664*
Austria	40013*	50138*		Mexico		91296*		pollination			32923
Bulgaria		102057*		Near East		47650*		prices			25139*
Canada	11558	11662	28409	Poland	50282*	80597*	91272*	production regions	24567		50066*
China		91163*		102188*				87314*			
Colorado		70631		South Dakota		60372		proteins			59125*
Denmark	1451*	2371*	2400*	Taiwan		40169*		research methods			
2401*	2402*	11461*	11462*	USSR	29942*	29951*	40145*	linear programming			24567
11529*	20666*	20737*	39978*	40221*	60675*	89552*	102142*	statistical	59112		79100
60514*	101981*			102205*				48658*	48661*		
Finland	11516*	70601*		Israel		54068		rotation with pasture	1476		38713
France		50149		labor		86743	66465*	91155	91347		
Georgia		70490		losses	88673	99201*	99207*	Australia	69413	90080	100800
Germany	20642*	40033*	80304*	male-sterile			59105*	Czechoslovakia			59340*
80315*	80374*			marketing		54944	96139	Finland			2429*
East Germany		29737*		mechanization		15084*	70695*	Germany			
Great Britain	2652	11510		Minnesota		19470		East Germany			38659*
11517				nematodes	4791	37499	68322	Great Britain	19472		
Great Plains		80471		58131*				India			80419
Hungary	29796*	39972*	50062*	reviews		100753*		Japan			79323*
89986*	91032*			Netherlands		69338		Louisiana			19446
Iceland		39948*		New Mexico		54944		Northern Rhodesia			9269
India	11446	11593	29804	nutritional deficiencies		60406*		Oklahoma			70546
29805	49983	50146	60465	Oklahoma		87067		Poland			59343*
60536	80419			pest control	13978	13983	52755	Southern Rhodesia			9269
Israel		60328		52898	73240	83145	94283	Sweden			100904*
Kansas		50046		23236*	23262*	77498*		Texas			60356
Kentucky		39988		Angola		73197*		USSR	28428*	60486*	69595*
Louisiana		29815		Australia		14151		seeds	7419	16392	38663
Minnesota		39921		Austria		88621*		66137	26228*	59105*	
Missouri		60482		biological		105226*		certified	10294	10296	107882
mountain areas		60453*		Brazil		63562*		107883	107886		
New Zealand		80260		Bulgaria		37145*		China			89967*
Nigeria		80448		Canada	32739	32759	32782	Denmark			100749*
North Dakota		60456		99153				identification			48652*
Pacific Northwest		50165*		chemical	105207*	105226*	105273*	India			28429
Pakistan		80411		Colorado		63388		Iowa	48672		66150
Poland	20622*	29738*	39997*	Denmark	284*	37156*	105232*	Mongolia			59119
40014*	40044*	40108*	49953*	France		94347*		Netherlands			69338
49976*	49979*	49984*	50031*	Germany		83314*		Poland	28418*		59114*
50059*	50073*	50074*	50105*	India	4822	83375		research programs			79088
50117*	50135*	58904*	60298*	Kansas		27140a		Sweden	59110*		79087*
60331*	80265*	80597*	91190*	Lithuania		4815*		treatment	27140a		58030
91272*				natural		63441		73240			

\*Text of this reference is not in English.

	Item				Item				Item		
Field crops--Cont				Field crops--Cont				Filberts	65640	65645	65661
seeds--cont				yields--cont				6733*	59668*		
USSR	48651*	69348*	107899*	Alabama	28433	70629		Filicales			68597
situation and outlook			24567	Australia		59103		Filicicineae SEE Filicales			
soils	20442	90863	20387*	Austria		40013*		Filipin			100166
71342*	90889*	90925*	39977*	Bulgaria		102057*		Filipinos in the U. S.			108726
Australia			59103	Canada		69345		Films	53841	70536	64509*
Bulgaria			40093*	Denmark	11461*	11529*		81825*	87451*		
Canada			28409	101981*		20737*		bibliographies		36124	86783
China			90814*	France		50149		26705*	87451*		
Denmark	11461*		20666*	Georgia		70490		SEE ALSO Audio-visual aids; Motion			
Finland			70601*	Germany	80304*	80315*		pictures; Television; Visual aids			
Germany			48473*	Great Britain		11517		Filter press cake	2310	20586	60317
Great Britain			20573	70522				Filters	11731	20849	20945
Great Plains	28222		80056	Great Plains		2873		60632	91304	24654*	26258*
Japan			90795*	Hungary	1464*	19459*		26287*	74672*	84736*	97240*
mountain areas			60453*	India	11446	11593		Filth test		24348*	74790*
Netherlands	2503*		20560*	60465	60536	80419		Fimbristylis			57587
20561*				Kentucky		69350		Finalgon			12705*
New Jersey			48666	Louisiana		29815		Finance	66342	75978	84882
Norway			11295*	Minnesota		39921		66763*	97588*		
Poland	11207	28423*	50066*	Missouri		60482		Australia			56059
89981*	90866*			mountain areas		48664*		China			86611
Tanganyika			11493	North Central States		90618		Italy			45470*
USSR	69355	20703*	27995*	Poland	1467*	19455*		Japan			35457*
49799*	49810*	80366*	90829*	28423*	34225*	40044*		Korea			97592*
spraying and dusting	14151	53825		48664*	48671*	49953*		Pakistan			97583
53818*	57833*	88567*	95920*	49977*	49978*	50065*		Poland			56061
statistics			54361	60298*	60331*			Puerto Rico			97593
Canada	34219	64914	85065	South Dakota		70628		USSR		56063*	76300*
India			54400	Sweden	2320*	2340*		Yugoslavia		86617	86618
New York			106738	2379*	2389*	40162*		SEE ALSO Assets and liabilities;			
Poland			34225*	100735*	100745*	101972*		Banks and banking; Budgets; Credit;			
Sweden	84747		96116*	Taiwan	102037	40169*		Investments; Savings; UNDER Co-			
varieties	19445	59112	89983	Tennessee		59115		operative organizations; Forests;			
Arkansas			100761	USSR	50084	80437		Government; SUBHEAD management,			
Australia			10287	12174*	27995*	81250		finance UNDER Collective farming;			
Canada	28409	100751	100751	29755*	29942*	29753*		Farms and farming; State farms; and			
Georgia			38660	60350*	60471*	60503*		SUBHEAD costs and returns UNDER			
Germany			7422*	69339*	70487*	70660*		specific subjects			
Great Britain	10295	59129		80388*	91094*	97978*		Fiorinia externa			42785
Iowa			48672	100747*	101941*	102007*		Fiorinia theae			14174
Kansas			79094	SEE ALSO Rotation of crops; names				Fique furcra			90104*
Kentucky			69350	of crops				Fir SEE Abies			
Maryland			59126	Figites		43209		Fir engraver SEE Scolytus ventralis			
Nebraska			69358	Figs				Fire blight			
Netherlands	59130	38677*		anatomy and physiology		48467*		apples	27184a	37411	47430
69359*				biochemistry		89926		47444	47447	58045	47853
New Jersey			38652	contamination		23356		77862			
Ohio			48667	culture	19783*	39016*		fruit			47446
Oklahoma			19457	90304*		39019*		pears	9183	27184a	37406
Poland			79102*	diseases	27143a	27239a		47430	47444	47447	58044
Rumania			59135	68272	99156*	37308		77859			
South Dakota			48654	hardiness		19837		Fire insurance			45530
Sweden	1461*	19454*	28408*	insects	73758	95308		Firebrat SEE Thermobia domestica			
29720*	38654*	69335*	89988*	105906	95307*	95309*		Firebreaks	30446	61218	71335
100745*	100755*			nematodes		18387*		102787*			
Tennessee			59115	pests	23356	94380		Fireflies SEE Lampyridae			
USSR	69355	60543*		32810*	43182*	99156*		Fires	68052	95687	106169
Wisconsin			59137	pollination		63635*		causes			4305*
virus diseases			77941*	quality		100301*		control		5649	6540
weed control			43546	tests		100301*		25544	43409	53610	23979
Austria			90699*	varieties		19837		43394*			74288
chemical	49426	59975	79764	yields		100301*		prevention	23970	43412	73922
79791				Fiji disease				84251	90598	15009*	23977*
Arkansas			49430	sugarcane	47468	47543		33524*	43623*	64315*	73910*
Florida			39529	Fijicolana n g		94770*		73920*	95686*		
Germany			29148*	Filago		98962		research methods			
Great Britain	70087	101503		Filariasis				statistical			43398
Hungary			70116*	buffaloes		31402		SEE ALSO Brush fires; Forest fires;			
Japan			29246*	cattle		14028		and SUBHEADS fire-resistant; fire-			
Michigan			59936	dogs		14028		proofing; flameproofing; spontaneous			
Minnesota	39436	79763		62504	103985	3861*		combustion UNDER specific subjects			
Nevada			11056	41779*	92727*			First aid	17297	31628	80866
Netherlands			77582*	goats		82804		82358			
Norway			101466*	horses		104137*		Fish	96093	97516	97521
Ohio			49494	man		14010		97524			
Poland			91190*	poultry		42021		as predators			13157*
USSR	39575*	79852*		rabbits		93547		bacteria			107988*
Wisconsin			70185	reviews		42476		canned	16524	75926	107981*
Germany			90725*	sheep		82804		107987*			
Indiana			59959	transmission	4755	4778		contamination		6107	23036
Minnesota			39436	32669	32711	32714		cooking			27294
USSR			60503*	83234	105144			curing		7570*	25988*
yields	11644	20608	49958	Filaroides osleri		31551		drying	14242	14250	86226
59112	60364	60421	70654	Filbert (tree) See Corylus avellana				enzymes			55999
90863	100746	10102*	10283*	Filbert bud mite SEE Phytomyces avellanae				feed			92792
11454*	58478*	71342*	78640*					92793	34493*	61652*	62565*
								62567*	92786*	92787*	93126*

\*Text of this reference is not in English.



	Item				Item				Item		
Fish--Cont				Fistula	71801*			Flax--Cont			
freezing	7562	26367	55547	SEE ALSO types of fistula				culture--cont			
56000	75922	96219	16507*	Fitchia	17654			Australia		10526	
26387*	26388*	35395*	35405*	Fitelson reaction	7243*	26023*	107781*	Czechoslovakia		69496*	
frozen	26386	75918	86548	5080 SEE 3-Methyl-4-dimethylamino-				France		10410*	
107990	26387*	26388*		phenyl-N-methylcarbamate				Hungary	48931*	59410*	
defrosted	7116	7189	56000	5006 SEE Bayer 9010				Netherlands	19589	28603*	
in mosquito control			4719	Flacherie	53093	105484	83714*	Poland	1544*	1563*	
in rice culture		28466	59261	Flacourtiaceae		57623	9500*	Sweden		100877*	
48729*	57162*	57206*	70160	Flag smut				USSR	27792*	37210*	48791*
in weed control			63826	wheat			404	53691*	79233*	79236*	79243*
insect food	14625	42548	63826	Flagellaria indica			89209	disease resistance	298*	77598*	18142
63835	73490	94665	105527	Flagellatae	17861	53578*	73895*	298*	77598*		
5033*	73454*	95003*		Flagellospora			223	diseases	77529	68043*	99142*
irradiation	7560	7561	26384	Flakeboard SEE Particle board				99238*			
35398	55999	86207	97514	Flamethrowers	11092	33774	43529	drought resistance	28722*	28723*	
97528				43545	43546	59223	59959	drying	15194	33524*	
keeping quality		86548	97525*	64530	74139	29283*		equipment	84406*	84415*	
107988*				Flammula SEE Pholiota				farms		35816*	
microorganisms		97528		Flat limb				fat and oil content	10530	38142*	
conferences and congresses		97527		mazzard cherries		47499*		fertilizers		29678*	
nutritive value		35404	36356	Flatidae		14749*		India		50090	
36358	36359	36360	36362	Flavanone		10239*		Poland		38142*	
36367	67457	27338*	67442*	Flavofungin		31363*		USSR	11585*	39780*	40107*
poisoning	4661	13910	23036	Flavokinase		69270*		50183*	60425*	80289*	80353*
23087	32606	32626	42387	Flavones				80358*	80430*	80458*	101456*
52693	63381	63383	63401	in Carya illinoensis		10253*		102014*			
63490	63694	93980	94223	in hops		89844*		fungus diseases	47209	57901	
105019	107997	29360*	42367*	in Iberis sempervirens		10239*		100043	424*		
63714*				in parsley	19337*	19377*		Australia		338	
processed	26371	26391	35392	in Petunia hybrida		89319*		Bulgaria		37370*	
45389	35394*			in plants	44611	100615	28363*	Canada		9076	
bibliographies		36741		59089*				India	9087	18192	27083a
processing	7212	7557	7563	in Pullularia fermentans		10236		47319			
7567	16522	26371	26373	in tea		85141		Japan		37378*	
26386	26391	35386	35391	Flavonoids				Minnesota		57912	
35404	75014	75927	97497	in Acer		100565		New Zealand		9130	
97515	97528	107980	7569*	in buckwheat	19323	1102*	58999*	North America		365	
26383*	26389*	26390*	35387*	in Bupleurum multinerve		48589*		North Dakota		37219	
55991*	66305*	86525*	86532*	in cabbage		58999*		Poland	27117a*	99316*	
97500*	97525*	107988*		in carrots		1402		South Dakota	68237	77777	
products	35396	45389	65849*	in Coenonympha pamphilus		73827		USSR		77816*	
reviews		45398		in Crataegus		69271*		germination	58596	78853*	
proteins		36360	36367	in Cuscuta japonica		48635*		grading and standardization	34573*	34609*	15877*
refrigeration	16522	35398	45378	in Delonix elata		10264		hardiness	18794	100897*	
55994	96219	16508*	107993*	in Fagus sylvatica		1319*		harvesting equipment	5760*	5804*	
regulation and inspection		81794*		in Glycyrrhiza glabra		34000*		15175*	84555*	106295*	
sanitation		97500*		in Guazuma tomentosa		10264		hybrids		28723*	
storage		35387*	97525*	in Helichrysum bracteatum		79039*		injuries	37108	99179	
pests	14242	14250	83509*	in Hibiscus mutabilis		59078		irrigation		50314	
94439*				in Hypericum nummularium		59047*		labor	16620*	16648*	
vitamins	36363	36370	36372	in laboratory animal physiology		22470*		in pulp and paper manufacture		44472*	
waste		30068	35396	in Malus		10205*		marketing	54804*	54834*	
Fish culture	16910	36358	98457	in plants	19267	28316	89888	mechanization	15025	23989*	106188*
98458	62961*	62984*	87824*	28367*				morphology	605	47749	
reviews			87842*	in Prunus		100613		nutritional deficiencies		9795	
Fish flour		67453*	76882*	in vegetables		96814		oil plant		26085	
reviews			86543	in wood	91739	41146*		pests	83334*	83389*	94336*
Fish oil	4509	13449	36376	Flavonols SEE Flavones				105159*			
67383	86531	41229*	45379*	Flavopimpla		53424		planting	1561	10518	69619*
65992*	97520*			Flavoproteins		26184		28585*	48792*	59269*	59405*
Fish solubles	22571	30803	31811	Flavor SEE SUBHEAD flavor and odor				79255*			
31869	65208*			UNDER specific subjects				planting equipment	53714*	79250*	
Fish meal				Flavorings	15981	24615	96198	79251*	84432*	84450*	
analysis and composition		8365		106691	106720	25520*		policies and programs	15838	107156	
65192*	85554*			SEE ALSO SUBHEAD flavoring UN-				1563*	107122*		
bacteria		21771	25080*	DER specific subjects				processing	54773	107130	15827*
feed	3487	22932	30803	Flax	76236	34517*		23989*	34543*	34576*	34626*
91828	91863	92344	13475*	anatomy and physiology		48089		35627*			
13476*	22556*	31789*	31814*	78883	100453	100541	9912*	quality	15877*	34543*	54834*
41204*	51771*	52539*	82945*	27792*	28051*	28110*	37937*	89463*	96720*		
82948*				38142*	38196*	38463*	80023*	retting	107130	1633*	34536*
fertilizers		30068	91078	89433*	89463*	89772*	100288*	44483*			
manufacture	44418	22904*	45379*	100341*	100537*			seeds	663	48089	424*
nutritive value		8365	27341*	bibliographies		28604*		28585*	29678*	35338*	58004*
proteins	21779	92344	82948*	biochemistry		10273*	69247*	injuries		58596	
toxicity		71751		breeding	1556*	28590*	28722*	quality		28598*	
Fishponds SEE Farm fishponds				28723*				tests		99142*	
Fissidens	8794	67897	99006*	carding and combing	25233	54910*		treatment	9076	58596	68043*
Fissidens garberi			8794	costs and returns		107163*		USSR	1556*	28590*	35333*
Fissidens leptopodus			8794	culture				48791*	79250*		
Fissidens urnigerum		46949		Australia		10526		vernalization		89772*	
Fissidentaceae		26917*		California		10530		viability		78853*	
				Canada		28594		soils	80289*	80358*	80430*

\*Text of this reference is not in English.

Item				Item				Item			
Flax--Cont				Fleas--Cont				Flies--Cont			
spinning	44505	107198	15841*	Sardinia		84229*		USSR		53321*	53331*
75113*				Saudi Arabia		64277		water relations			14608
reviews			54845	squirrels		95652*		SEE ALSO Diptera			
statistics			15880	Switzerland		23963		Flindersia		19441	100682
storage			54804*	Taiwan		53590		Flindersia maculosa			67888
varieties	47749	50314	48796*	Tanganyika		95632		Flocculation	37420	62196	62197
89463*				taxonomy	43358	64268		Floccomat			96726
Argentina			77598*	106123	23955*	23956*		Floods			102247
Australia			10518	types		64291		control	2578	20937	40223
Canada		1561	48741	USSR 33509	33511	14029*		40298	60643	60701	70810
India	18142	26085	48942	53594*	53596*			80677	101893	60715*	
Mexico			48933*	United Arab Republic		5634		Arkansas			80245
Netherlands		28605*	79237*	Vermont		64284		Australia			50348
North Dakota			38794	Washington		84207		Austria		50377	11958*
South Dakota			79113	wildlife		84207		bibliographies			29968
Sweden		1550*	100877*	reviews		104218		Canada		20911	20926
Taiwan			59405*	Flies				China	70706	40212*	91327*
USSR	38799*	48941*	69484*	anatomy and physiology	5262	13999		Colorado			80507
virus diseases			37435	14608	83939	84011		conferences and congresses			60667
waste			54910*	and crop losses		94284		70770	30031*		
weed control		37108	79769*	and disease	4784	13999		Czechoslovakia			80584
chemical	11048	39557*	70191*	23129	23164	23175		Europe			50249
79789*	79790*	79829*	101456*	63804*		63489*		Florida			11777
yields	20677	69619	28598*	as feed		73662		Fraser Basin			20897
29678*	59269*	89463*		as pests	4782	42526		Great Britain			70715*
Australia			10518	biology		73219*		Great Plains			27400
Netherlands		28605*	79237*	conferences and congresses		64041		Hungary			50270*
North Dakota			38794	breeding places		23167		Indiana			80217
USSR	39780*	48792*	50183*	105115	105119	33146*		Iowa			80233
60425*	78853*	100341*	107163*	color		43070		Israel			50280
Flax straw	44483*	54033*	85584*	control	23118	23360		Japan		71345	20929*
96720*				94252		83279		Kansas			80227
Flaxseed	10526	50314	35154*	Australia		105119		legislation		20938	29953*
35201*	48931*			biological		94050		Los Angeles Basin			40300
Flea beetles SEE Chrysomelidae				California		94176		Mexico		70772*	70791*
Fleas				Canada		14079		Mississippi			80225
Africa			73891	chemical	42378	42472		Missouri Basin		80614	80674
and disease	14063	73160*	94162*	73133	83236	93969		Montana			80218
105137*				63462*	63463*	63600*		mountain areas		11958*	29925*
California			4383	73168*	83276*	93962*		New Hampshire		20581	20924
Iran		94047*	94048*	Denmark		73135*		New Jersey			80500
USSR	14029*	32670*	32695*	Florida		94252		New Zealand		11811	50332
32718*				Germany		63466*		New York			80652
as pests			94174*	Hungary		94118*		Oklahoma			2510
Australia			14041	Japan		4670		Poland			40244*
Austria			33503*	Kenya		14044		Southeastern States			70798
bacteria			33510	New Zealand		105115		Taiwan			40174*
bibliographies			52799	Norway		83271*		Texas			20866
birds			64289	Sweden		73145*		USSR	20853	60617	29878*
China	106134*	106135*	106159*	tests		23132	13996	29925*	30006*	30037*	30300*
collecting	95615	95668	95640*	USSR		94217*		40283*	40319*		
control		73169	94161	Washington		83221		Utah			70479
California			4683	Wisconsin		83241	42479	Washington			80604
Canada		32885	94257	development	23167	23666	23709	West Virginia			80243
India			23130	105699*	105707*			Western States			80676
Ireland			14026	dissemination		33152		Yugoslavia			50320*
Kenya			14044	eggs		83222*	105699*	effects on forests			71336*
USSR			94174*	fecundity		64019		effects on plants		27400a	89662
Corsica			84229*	feeding habits				58141*			
Denmark			95652*	conferences and congresses		64041		effects on trees			81199
dogs			73170	fertility		64019		France			50972
geographic distribution			33503*	flight		5233	33211	Germanv			64584*
Great Britain	5627	73898	73899	genetics		32587	73664*	Italy			102215*
host animal relations		33505	43358	research methods				Japan			101778*
64279				statistical		43084		Montana			102146
hosts	5059	14959*	43366*	geographic distribution		23672		New Zealand	47682	50231	50266
Hungary			95673*	germ-free		23664		Poland		29904*	80704*
Iran	23955*	23956*	43366*	Great Britain		73659	73673	Taiwan			29523
95640*				habits and behavior		13999	14608	USSR			30011*
Italy			106149*	23672	33146*			Floors and flooring		33846	96007
larvae			23946	identification		83940*		96014	33877*	53895*	53911*
Lebanon			53579	insecticide resistance		32587		53964*	64627*	74204*	95990*
Malawi			84233	42378	93969	105072*		concrete		41545	53934
Mediterranean area		84229*	106149*	larvae		23167		metal			5907*
mice		64270	95632	longevity		23664		pitch			4543*
minks			94257	mortality		73664*		slatted		15309	24242
nematodes			84209*	names		14658		24246	32271	33854	33864
New York			64270	nutrition		73632	14608	42326	53951	74179	74211
parasites			73160*	outbreaks		83298*		84668	106461	5883*	5925*
poultry			105132*	Palearctic Region		5291*	43085*	15322*	43732*	43763*	43784*
rabbits	14026	94161	73898	parasites	23129	84108	43192*	52617*	53922*	53928*	53941*
73899				populations		23142		53954*	53955*	53979*	53985*
rats	53579	94686	32703*	preservation		4655		64622*	74183*	74197*	74209*
reviews			43358	rearing and breeding		43056	43094	74219*	84680*	93435*	95975*
rodents	5633	33509	33511	63986	64019	73639	94285*	reviews			53931
73898	95615	14995*	73160*	tagging		5233		wire			93500
95640*											

\*Text of this reference is not in English.



Item				Item				Item			
Floors and flooring--Cont				Flora--Cont				Flora--Cont			
wood	21533	30602	40917	Greece	110	8700	8701	Poland--cont			
51202	81372	12258*	12334*	78034*				bibliographies		36735*	
30595*	30619*	40922*	40923*	bibliographies			36740*	Portugal	57509*	57525*	
40926*	43744*	51301*	51348*	Greenland			36690	bibliographies		36746*	
61405*	61408*	74183*		Guatemala		36724	36749	Republic of South Africa		67791	
Flora	8649	36730	67785	Hawaii		98818	77282*	77252	77266		
77247	77248	77262	77268	Himalayas			88225				
77271	77287			Hungary		36747	36748*	Reunion		36694*	
Adriatic Sea			98838*	Iceland				Rhodes		26811a*	
Afghanistan		98918	36817*	bibliographies			36723	Rumania	36733*	36762*	57473*
Africa	54	55	61	Idaho		17570	88375	57638*			
107	17586	17602	20558	Illinois	8644	46801	67780	bibliographies	36692	36693*	
26765a	26812a	26813a	26817a	India	8559	8651	8744	Senegal		36739*	
88227	88247	88411	98831*	17584	17617	17620	17783	Sicily		547	
bibliographies		17586	17602	26823a	36743	36897	48109	Sierra Nevada Mountains		26819a	
Alaska			17618	57522	88229	98847		26826a			
Albania				Iowa		99022	99092	South America	57523	67774	
bibliographies			36725*	Iran			26830*	98835*			
Alps	17589*	18552*		Iraq			77273	South Carolina		26821a	
Amazon Basin		98841		Ireland	88250		88251	South Dakota		88236	
Angola	88347*	88397*		bibliographies			36715	Southern Rhodesia		46792**	
Arctic Region	58318	8654*		Israel	18678	36738*		Southwestern States		53129	
Argentina	8637	88361		Italy	36729*	36890*	46788*	Spain	38216*	57512*	89021*
Arizona		98833*		46791*	88239*	98812*	98813*	bibliographies		36708	
Asia	98918	98917*		99775*				Sweden	76*	8493*	17568*
Australia	17587	36770	57623	bibliographies		36737		17578*	17588*	17630*	46806*
67801	88222	88304	98849	Jan Mayen Island		98924		67741*	67782*	67794*	67799*
77290*				Japan	88225	63*	66*	98844*			
Austria	77254*	77269*	77274*	67*	77*	98846*		bibliographies		36710	
Azores				bibliographies			68*	Switzerland	26814a*	36756*	98814*
bibliographies			36746*	Java	57507	67805*		98825*	98920*		
Bahamas	46797			Jura Mountains		17589*		bibliographies		36716*	
Bechuanaland Protectorate	46792**			Kansas	77251	77255	78023	Syria		98834*	
Belgium				Latvia	26828a*	36687*		Taiwan		47721	
bibliographies			36719*	Laysan Island		57514		Tatra Mountains	36734*	36752*	
Borneo	95491			Lebanon		98834*		Texas		8704	
Brazil	77256*			Li Galli Islands		77246*		Thailand	56	9458	46803
British Guiana	88345			Lithuania		46800*		Thousand Islands		46796	77260
Brunei	17569			Lord Howe Island		17614		Tropics	17585	9373*	18583*
Bulgaria	8645	8646	8653	Louisiana	26827a	98845		18642*			
8655	8656	46802	67789	Mackenzie Mountains		88216		Turkey		17503	17663
77284	88215	88219	88220	Malagasy Republic	17577*	46790*		USSR	5191*	17603*	26744a*
88245	88248	88249		77272*	98865*	98940*		27411a*	36689*	36753*	46784*
Burma			36709	Malawi			46792**	47659*	57513*	57516*	57517*
California	1704	17581	17623	Malaysia	17569	57573	57587	57528*	77263*	77264*	
26819a	26826a	46785	46795	57649	57650			77291*	88232*	88243*	98816*
89422	98828			Maryland			88241	98843*			
Canada	58	64	72	Mauritania			98811*	bibliographies		36742	
8648	17596	17597	17621	Mediterranean area		138	38216*	Venezuela	88345	17636*	
57518	58318	67783	88216	41230*	77275*			Virginia	67779	88241	
Canary Islands	121	108337*		Mexico	8638	8639	99792	Washington		88375	
China	76927	98868		Michigan			46807	West Virginia		26869	
Colombia	88345	88380		Midway Islands			17604	Wisconsin	88264	88329	88376
Colorado				Missouri			36750	Wyoming		26818a	26881a
Comoro Islands			98940*	Morocco			57520*	Yugoslavia	57443	46791*	77164*
Corsica	65*	36695*		mountain areas		17581	26817a	88240*			
Czechoslovakia	77285	98967*		26808*			8713	bibliographies		36726	
99765*				Mozambique			8740	Florida red scale	SEE Chrysomphalus		
Denmark	36705*	88224*		8752	8758*	46792*		aonidium			
desert areas	53129	57520*		Netherlands	70*	17612*	88233	Florideae	89103	98877	99842*
developing areas		17574		88234*	88235*			Florigenic acid			69250
Dolomites		77274*		bibliographies			36732	Flour			54967*
Ecuador	26825	78131*		Nevada		46785	67784	agglomerated		55275	75391
Estonia		98912*		New Caledonia			88223*	75482			
Ethiopia		98822		New Jersey				analysis and composition		7029	
Europe	36707	98820*		bibliographies		36701	57508	7036	7059	7067	16131
Fiji		57521		New York		67790	99020	16133	16155	25570	25638
Finland	17596	17595*	36711*	New Zealand		8647	18554	25708	25770	34900	34951
68391*	88186*			18634	26829a	27466a	36688	44853	44934	55250	53310
Florida			98842	57511				65773	75379	75475	85901
France	17625	17599*	36720*	North America	57523	98762		85933	85950	86014	107486
46789*	47672*	88966*		Northeastern States		57518		107488	107535	7051*	16113*
bibliographies			36713*	Northern Rhodesia		46792**		25583*	25669*	25681*	25721*
Gabon	57592	67829*	67830*	Norway	57*	74*	26808a*	34902*	44846*	44850*	44915*
77298*	98923*			67775*	98839*	98840*	98932*	55226*	55262*	55308*	55326*
Ganges Basin			98931	bibliographies			36722	55378*	65669*	75381*	75394*
Germany	8636	36731	57485	Oklahoma	36703	36757	36759	75433*	75451*	85897*	85923*
88228				Ozarks		36757	36759	85988*	96974*	107471*	
bibliographies			36727	Pacific area		77200	77281	baking quality		454	6986
Great Britain	17616	17625		Pacific Coast States			67774	7035	16101	25562	25609
26809a	26810a	26820a	36714	Pacific Northwest			98827	25666	34896	34948	78330
36721	46805	67787	77244	Pennsylvania	26846	88242		86002	96936	108961	7077*
77253	77257	77267	88231	Peru	46767*	98787*		16126*	25594*	25610*	34864*
88237	88238	88252	89041	Philippines		77283*		34912*	34924*	44930*	48387*
conferences and congresses				Poland	8641	17545*	17615*	55230*	55314*	55340*	75446*
			77292	47642*	47667*	77381*	77995*	86000*	86001*	86036*	96942*
Great Smoky Mountains			67786	78062*	89062*	99798*		96943*	96975*	96976*	107541*
								care and handling	75434	55344*	

\*Text of this reference is not in English.  
 \*\*Text of this reference partially in English.

	Item				Item				Item		
Flour--Cont				Flowers--Cont				Fluorides--Cont			
chemistry	16165	25754	107495	marketing	26378	26833	66294	effects on plants		1448	
85974*				107996				bibliographies		58551	
color		85998	107471*	Denmark			25405*	in plants	24384	26802	58801
containers			23359	Florida	66303		66313	in soils			39714
contamination		86014	86017	Japan	26392*		86535*	in wood preservation	40808		12262*
75433*				New York			66298	toxicity			93874*
cooking			108930	Northeastern States			26366	Fluorine			
enzymes	16174	55267	86005	66304				determination			26802a
7042*	55337*			Oklahoma			26370	effects on cattle			22265
extraction	65760	34912*	65685*	national	26797a	18*		in cattle physiology	62321		82204
85915*				preservation	10885	16519		in fertilizers			80374*
feed		85512*	85529*	90467	107998	20332*		in food	106569		74353*
fortified	17232	27337	36368	prices		35383		in insecticides			83128
hydroxyethylated	98392	98412	108961	statistics	7568	15486*	75925*	in plants	948		58918
67443*	98410*		27355*	storage			86524	in poultry nutrition			72589
Germany			75384*	trade				in swine physiology			32469*
grading and standardization			7077*	Netherlands			46375*	in textile processing			75122
25746*	85988*			Flowmeters	11697	106534	67719*	toxicity	71697	103375	
hydrogen-ion concentration			85898*	Fluid therapy			22420	cattle	13142	62374	72188
hydroxyethylated			55342	Flukes	32246	41972*	91989*	82140	82169		
irradiated	4895	55310	75400	93378*				Fluorine compounds			88590*
65685*				SEE ALSO Intestinal flukes; Liver				Fluoroacetamides	71726	103301	
keeping quality			55342	flukes; Lung flukes				Fluoroacetate		28341	
microorganisms			16153	Flumethazone SEE 6 alpha, 9 alpha,				Fluoroacetic acid		19373	
moisture			106582*	Difluro-16 alpha methylprednisolone				para-Fluorocinnamic acid		58999*	
Netherlands			97015*	Fluoboric acids			85295	Fluorodeoxyuridine	3860	37826	
oxidation	6972	16161		2-Fluorenamine compounds			33194	41777	48141	58225	
oxidation reduction potential			34896	Fluorescein	13035	89841*		Fluorometry	501	69184	75021
86002	34924*			Fluorescence				75022	26016*	89841*	
packing		44969*	86034*	animals			103981	para-Fluorophenylalanine			27706
particle size			55360	Demodex canis			42997	Fluorosis SEE Fluorine, toxicity			
pest control			105338*	Drosophila			63997	Fluorouracil			58085*
pests			23549	food			74744	5-Fluorouracil	18904	19236	27987
42732	42735	73291	73603	meat			55720	38161	58089	58657	99655
94426				Nasonia vitripennis			14794	48215*			
processing	16115	34952	34955	Phlebotomus			14644	Fluosilicates			61379*
65758	75475	107535	44892*	Phthirus pubis			73885	Fluothane SEE 2-Bromo-2-chloro-1,1,			
55226*	55287*	86034*	96947*	plants	6752	48363	58034	1-trifluoroethane			
products		46461	85944	79060	99887	1155*	1404*	Fly ash SEE Ashes			
properties	23549	34906	44862	9735*	19384*	28362*	48055*	Fly speck			
55267	75379	75391	55314*	48056*	48569*	89824*	89841*	apples			9099
55365*	96975*	96976*		100586*				citrus			9099
proteins	7029	25638	25708	Rhodnius prolixus			73734*	pears			9099
25754	55366	65773	107484	Fluorescence analysis			67750	Foals			
7051*	7077*	16126*	25721*	cellulose			25120	abnormalities	62617*	62628*	
34908*	44935*	48387*	65669*	cherries			25363	anatomy and physiology			31671*
96974*	96975*	96976*	96983*	fats and oils			97220*	care	22427	22461	72487
quality	25570	25645	25770	insecticides			42649	22456*	41828*		
55292	55335	86010	16149*	insects	73876		43294*	diseases	22427	31673	41831
25682*	75467*	85902*		Phlebotomus			14644	41851	72470	72487	31665*
France			107465*	Picea			19277*	growth			104103*
Germany	25574*	65673*	85968*	plants			24376*	injuries			92924
Italy			55324*	reviews			77157*	foaming agents	6189	82238	
regulation and inspection			34907*	pulp and paper			25120	81057*			
statistics		34854	65680	reviews			106572	Foenatopus			105872*
storage	16165	6987*	25690*	seeds			79327*	Foeniculum	11147*	70227*	
55332*	55344*	85992*	96992*	soils		39750*	90919*	Foeniculum vulgare	10072	39583*	
Sweden			107515*	Fluorescent antibody technique			2237	48388*			
tests	55292	85962	85983	3937	4224	4601	12569	Fokkamel			31178*
86031	107474	107518	6957*	21812	22970	23257	31241	Folate			14338
34914*	44839*	55272*	75409*	51581	71826	82957	19168	Folx			1562*
75444*	86000*	86001*	107515*	91973	93311	97079	103685	Foliar diagnosis	2453	20707	
trade			98332	103774	103832	104855	3240*	29771	50064	101944	101999
Great Britain			46361	12574*	13035*	41271*	41385*	2348*	2375*	2377*	20626*
transportation			75460*	51513*	81829*	91905*	109040*	20764*	58576*	70305*	80279*
types	23549	44878	107508	in cattle research			51885*	80356*	90849*	91156*	102025*
25594*	44979*	55362*	75384*	in entomological research			105488	African oilpalm			60318*
75405*	75416*	85909*	107466*	in guinea pig research			41863*	alfalfa			101969*
USSR			16163	in horse research			41848	apples	20706	29773	47939
United Arab Republic			34863	in plant research	18375		18360*	50018	60460	78646	29705*
vitamins	98412	98388*	98397*	in poultry research	42014		42018	80309*			
98410*				42024	42051	93189		cacao			40023
SEE ALSO kinds of flour				in virus research			21908*	Carya illinoensis	49955	70482	
Flour beetle SEE Tribolium				reviews			51573*	cherries			47937
Flower thrips SEE Frankliniella tritici				Fluorescent brightener			68749	citrus	2319	11645	20603-
Flowerpots	10702	10754	78795*	Fluorescent indicators			42649	100265	102072	29664*	80308*
SEE ALSO Planting bands and pots				Fluorescent light				clover			49980
Flowers				effects on Callistephus chinensis			38144	coconuts			11586
arrangement		49172	49173	effects on milk			15651	coffee	29683	60366*	91090*
90467	101301	101310	20332*	effects on plants	6365		78757*	101943*	101959*		
28954*	49256*			effects on sugar beets	27912			Coniferae			40606
cooperatives			75924*	Fluorescent microscopy SEE Micros-				corn	39954	40069	49980
grading and standardization			35383	copy, fluorescent				Corylus avellana			60463
industry	7553	107989	48324*	Fluorides	30053	72578	40828*	cotton			11595
66318*				effects on milo			27952	Dianthus caryophyllus			38299
keeping quality		39162	86524					60451	80377	89353*	
28935*	45376*							Eucalyptus			39965

\*Text of this reference is not in English.



	Item	
Foliar diagnosis--Cont		
field crops	39978*	80030*
forage plants		101971
fruit	9645	47983
50052	60459	80382
29687*	29725*	60538*
grapes	9762*	60469*
80355*		69038*
Hevea brasiliensis		58601
Juglans		60463
Leguminosae		2450
lemons		38331*
oats		49980
oranges	2357*	20700*
peaches	50018	68780
peanuts		89537*
pears		47938
Picea	81048	21236*
Pinus radiata		21246*
plants		61065
populus		29700*
potatoes		50803*
Pseudotsuga menziesii		20708
rice		81038
satsuma oranges		11594
soybeans		50057*
sugar beets	102027	91186
sugarcane	49957	40095*
50034	50069	50024
101988	50122	50024
tea	102008	80459*
tomatoes	2404	29743
40032*	70548*	40098
trees	2797	2811*
61090*		50762*
tung trees		80420
wheat	2361	68702*
Folic acid		
effects on <i>Cochliomyia hominivorax</i>		53314
effects on onions		58233*
in animal nutrition		61621
in food	67458	67462
in fruit		98415*
in poultry nutrition	31800	61621
in poultry physiology		4240*
Folidol SEE Parathion		
Folinic acid		58233*
Folithion	42446	42544
13947*		105270
Folklore		98145*
SEE ALSO SUBHEAD in folklore		
UNDER specific subjects		
Follicle-stimulating hormone		82849
104438		
Folliculin SEE Estrone		
Folsomides		53568
Fomes		732*
Fomes annosus	407	9029
37363	9081*	9143
anatomy and physiology		57898
100358*		
Coniferae	356	77811
27255a*		27135a*
Larix leptolepis		68204*
Picea	37233*	68204*
Pinus	27144a	68161
37175*	68204*	9098*
trees	47422*	68176*
Fomes fomentarius		68207*
Fomes hartigii		91688
Fomes ignarius	415	27195a
77720	28382*	47425*
Fomes lignosus	8824	9111
9112	99470	57960*
Fomes megaloporus		61361*
Fomes tremulae		27195a*
Fomesan		37233*
Fomitopsis SEE Fomes		
Fonsecalges		42917*
Fontaria pulchella		94728
Fontathanus n g		95245
Food		
additives	6011	6014
6139	6170	6175
6219	7389	16235
24369	24453	24361
33993	34011	34095
		34096

	Item	
Food--Cont		
additives--cont		
34104	34106	34113
36309	42392	42438
43926	44047	44049
44097	46536	54218
54292	54297	55591
64824	65758	74367
74454	74460	74488
84911	85847	86377
88678	96807	6050*
6104*	6113*	6131*
6135*	6172*	6261*
6520*	7021*	7255*
54235*	96152*	96154*
conferences and congresses		106665*
reviews		74437
adulteration	96153	6042*
21926*	54204*	54235*
advertising	15407	64803
96117	74406*	74393
agglomerated		85021
analysis and composition		6008
6014	6023	6041
15379	15383	15389
15397	24349	24350
24361	24364	24367
24374	24377	24379
24387	33978	33988
34001	34009	34010
34015	34019	34020
42438	43901	43923
43933	43951	43954
54130	54131	54133
64755	64771	74332
74338	74343	74356
74362	74367	84784
84787	84789	84793
84805	84809	84810
84817	84823	96101
96110	106556	106559
106565	106566	106568
106578	106587	6026*
6046*	15381*	15385*
24366*	24393*	27333*
33985*	33987*	33994*
34004*	34014*	34023*
54095*	54104*	54110*
54129*	64739*	64740*
64745*	64756*	64761*
64766*	64770*	74322*
74326*	74331*	74335*
74352*	74353*	75555*
84806*	84811*	84820*
96106*	96108*	96111*
106570*	106575*	106579*
conferences and congresses		106585*
reviews	6031	106562
106572	6018*	106563
and disease		74336*
and peace	33952	33953
associations		15365
bacteria	6019	6024
6043	6049	6136
15390	15391	24347
24363	24388	33996
34018	43906	43920
43927	43931	43944
54103	64752	106578
6035*	6040*	6130*
44050*	54099*	54100*
64740*	64741*	64745*
64761*	64765*	64906*
74336*	84792*	84824*
106558*		96113*
conferences and congresses		43947
reviews		74327
bibliographies	108346	33974*
blanching		15470
canned	24539	24543
bacteria		84933
bibliographies	74481*	74483*
Bulgaria		54284
chemistry	34125	6038*
conferences and congresses		54318
containers		34168
74462*	84951*	34169

	Item	
Food--Cont		
canned--cont		
contamination		84935
directories	106707	106708
Europe		64881
flavor and odor	6101	85001*
France		74508*
grading and standardization		15455
Hungary		85013*
industry	24508	65174
85039*		96195
Japan	74377*	74397*
74411*	74416*	74494*
76842*	85001*	96220*
labeling		34030
microorganisms	84799	6052*
North Carolina	24534	24535
24536		
nutritive value	8356	34168
76884*		
packing		84956*
purchasing		34030
regulation and inspection		15455
54240*		
sanitation		6097
Spain		74518
spoilage		64889
statistics	6204	15455
sterilization		24530
6197*	64907*	96199*
storage	34030	34168
54304*	54305*	
temperature		54112
tests		6052*
weight and measurement		64827
canning	6101	6215
34168	34169	34178
54112	54316	54335
74529*	96227*	96228*
contests		44107
costs		24516
care and handling	6206	43996
44004	44091	74533
96224	6085*	24505*
chemistry	15436	15461
54111	64738	64831
84808	86147	6034*
24391*	54289*	84791*
conferences and congresses		74355*
96103*		
reviews		43937
coatings		15454
color		96105*
coloring	6167	24361
34015	44059	54133
74521	6046*	6169*
54126*	74335*	96216*
concentrated		55618
conferences and congresses		5979
5987	15377	24319
24333	24345	26721
43886	43894	44847
54198	64712	64730
65772	74289	74300
74347	96167	98358
45745*		24314*
consumer preferences		6061
24400	34026	34032
54241	64775	64776
64781	96118	
Alabama		96117
bibliographies		34025
Georgia		43959
Germany		74374*
East Germany		24406*
Mississippi		34028
Rhode Island		34029
Sweden		6060*
consumption	5973	6053
24396	24400	24402
43961	54138	54142
74373	84833	106589
Asia		66635*
Czechoslovakia		43960
Denmark		87737*
developing areas		106594*
Georgia		24402
		84826

\*Text of this reference is not in English.

	Item				Item				Item		
Food--Cont				Food--Cont				Food--Cont			
consumption--cont				fat				frozen--cont			
Germany 6056*	6059*	6066*		flavor and odor	6105	6120		prices		64860	
43962* 43963*	84828*	96119*		24472 33986	33993	54111		properties		6013	
East Germany		54140*		54215 54223	54241	54254		quality	64889	64904	84777
Great Britain		74372*		64775 74364	74429	74438		regulation and inspection			15455
Hungary		33966*		74448 74456	84822	84934		74440 107382*			
India	24403	84829		85041 96164	106544	6026*		sanitation		84777	85020
Italy	51506*	84831*		24475* 54267*	84917*			situation and outlook			6202
Japan	35029	43964*		conferences and congresses				15466 15481	54299		54337
Missouri		96118		64743	64820			Spain			96206*
mountain areas		67406		reviews	34123			statistics	15455	15473	24517
New Guinea		74378		terminology	74441*			54159	96218		
Nigeria		43966		flavoring	6209	44059	85123	storage	15461	24541	64904
Norway		106594*		74487*				65573	96197	107382*	
Philippines		64719		fortified	36366	46483	74523	Sweden			6236
Scandinavia	6060*	54141*		87801 87812	87795*			Switzerland			6236
96091*				freeze-dried				tests			84777
Sweden		106594*		bacteria			33991	transportation		15419*	84852*
USSR		54137*		bibliographies		6174	74532	107382*			
Yugoslavia		87773		84974				by rail		15404	34724
containers	6140	6143	6149	chemistry			33998	by truck		15421	74496
6151 6154	6155	24477		Great Britain			6229	by water		15424	15425
24489 44064	54253	54256		Hawaii			24544	transportation equipment			54158*
54257 54271	64846---	64848		Ireland			44090	54180*			
83515 84938	84941	84946		judging			6098	fumigation			23370*
84957 6159*	6177*	24481*		packing			84942	grading and standardization			6134
24482* 44065*	54255*	54258*		reconstitution			74490	34108 34122	34769		43965
54265*--54268*	64843*	74485*		freeze-drying	6168	6185	6187	43968 44063	64826		74432
84949* 96182*	96185*--	96187*		6188 6200	6208	24507		96161 96168	106544		
106673* 106674*				24550 34180	54339	74509		Canada			54243
contamination	6004	6022		74513 74516	74527	84973		conferences and congresses			64823
6024 6107	6108	15383		84998 85009	85036	85037		106652			
15386 15387	15440	15444		96210 96221	96235	106723		Germany			24462*
24350 24355	24377	24385		6198*	15464*	54302*		international		24448	34111
24454 24987	34022	34091		64866*	64878*	64896*		74453 96165	96179	106652	
34096 34098	34099	34102		74497*	84999*	106713*		106668 108841			
34104 34107	34118	34119		costs			85046	habits		8346	27301
36309 43898	43926	44035		freezing	15470	24522	34173	46470 67441	98383	108946	
44038 44045---	44047	44064		54317 64884	65573	96236		108948 57124*	76857*	106931*	
46528 51469	54103	54200		106722 54286*	54320*	74492*		Canada		57126	57127
54208 54225	54244	54245		96203*	106711*	106712*	106716*	Europe			43887
54297 54611	64755	64841		106717*	106726*	106727*		Germany		36353*	36355*
74332 74343	74436	74445		home	15458	24557	34166	Great Britain		36353*	36354*
84778 84789	84816	84817		64869 106702	84984*			Guatemala			46469
84823 84913	84914	84926		frozen			15432*	history			87794
96101 96160	96163	96224		associations		6183	24537	Iran			98384
106556 106566	106587	106644		bacteria	43903	43913	43932	Japan	35809*	36351*	57125*
106645 106666	6050*	6128*		54107 54128	97090			Latin America			43877
6133* 6148*	15439*	24348*		Belgium			64883*	Lebanon			108913
34101* 44048*	44056*	54096*		Canada			74290	Netherlands		57123*	108947*
54201* 54239*	63683*	64763*		care and handling		6194	24541	Pakistan		87793	98385
64816* 64832*	64833*	74317*		34187 96197				Republic of South Africa			8347
74336* 74351*	74352*	74435*		chemistry			15461	Switzerland			8345*
74446* 74447*	74451*	84806*		conferences and congresses			24554*	history		34001	43877
84919* 84928*	96106*	96176*		consumer preferences			24405	76927 96092	5995*		64714*
96178* 106558*	106575*	106579*		24541 54139				84749* 106538*			
106649* 106650*	106656*	106664*		consumption		15399	15400	homogenization			54294
106671*				54139 96213*				industry		7705	33977
bibliographies		74452		containers		6152	6156	36589 43893			
conferences and congresses		17267		24493 96183				accounting		84900*	84905*
44051 84931				contamination		74428	84935	advisory services			54322*
reviews	6110	43905	84929	defrosting	64889	106711*	106712*	Belgium			84751*
106572 74439*				Denmark			85028*	Czechoslovakia			43892
cooked	6140	6214	33984	directories		6183	15472	developing areas			74312
cooling	15471	54128	74510	24432 24517	84977	84985		France	64725*	74291*	74298*
84986*				84988 84989	85029	106708		Germany			
conferences and congresses		15462		Europe	6233	15480	96237	East Germany			64714*
curing		96229*		flavor and odor			74428	Hungary	45860	33966*	84774*
decontamination	60736	96224		France			74528*	Israel			43885
developing areas		64710*		Germany		6235	74506*	Japan			36223*
directories	15417	74290	106549	grading and standardization			15455	Poland	54076	5986*	5989*
64735*				64830 96110				5992* 6089*	24318*		54165*
discoloration	15433	33983	44036	Great Britain			6235	64734*			
44037 64831	106641	6099*		history			6234	public relations			74393
reviews	6127	15461	74328	Hungary			44742*	sanitation		6222	6230
dried	43929*	44100*	106725*	industry	24517	64882	84994	24470 54128	54300		54315
drying	6189	6190	44106	96195 96235	24509*			84936 106657	6171*		64873*
54282 54301	84978	85005		Italy			84983*	Sweden			30475*
85014 85023	85044	85047*		judging			24447*	taxation			56151
emergency	6226	24324	24325	Kansas			44104	USSR	33967	54073	96099
27348 43889	24336*			marketing		6194	15414	84923*			
enzymes	44061	74316	64751*	15418 24432	54159	54184		vertical integration			6080
European Economic Community		43973*		65573 84844				water supply		85003	64864*
faddism	36338	36352	98386	microorganisms	6029	6048		irradiated		34162	84992
108949*				64830 84757	84819			Australia			54293
				Netherlands			6236	bacteria			96100*
				packing		54251	84948	bibliographies			15478

\*Text of this reference is not in English.



Item			Item			Item		
Food--Cont			Food--Cont			Food--Cont		
irradiated--cont			Near East			prices--cont		
conferences and congresses	8330*		Netherlands		15379	Italy	51506*	106681*
27315*	44082*		nutritive value		54088*	Japan		34145*
contamination		24463	17231	27334	67447	New Guinea		74378
flavor and odor		44099*	74362	74523	76871	Poland		76798*
Germany		6218	84784	87813	98361	Republic of South Africa		54280
Japan		15467*	106581	8351*	17234*	processed	15387	15475
packing		54264	27357*	57151*	84811*	74507	85048	96212
quality		54201*	108923*	108953*	108964*	analysis and composition		74362
Republic of South Africa		6201*	packed	4885	86147	Asia		24538
reviews		24463	conferences and congresses		84955	associations	34170	55125
vitamins		44094*	74457*	96217*		Australia		64879
irradiation	6193	24531	Europe	15445	6153*	bibliographies	24527	34164
34179	34188	74531	Germany	34128*	54252*	64903	24506*	24511*
85040	106705	24521*	96184*			conferences and congresses		34161
44094*	64894*	84982*	history		84950	34172	96086	54308*
96215*	96226*		Italy		84945*	106685*		96217*
Italy		98395*	Hungary		24480*	consumer preferences		54136
judging	6044	6105	legislation		6142	containers	84937	96202*
24472	34120	44043	24479	24483	24484	Czechoslovakia		85022*
84934	106667	74441*	84944*			Denmark	74502*	85006*
keeping quality		6127	packing	6141	6145	developing areas		54332
64850*	74450*	24489	6150	6157	6158	Europe		64881
labeling	6109	24455	14231	15446	15447	grading and standardization		15455
34071	34073	44042	24485	34127	34129	history		64863
54237	64818	74442	54248	54254	54259	Hungary		85016*
84921	84940		54269	74460	74463	India	6212	15476
legislation	24311	24467	74467	84940	6148*	industry	24502	96195
Denmark		85028*	24487*	34126*	54270*	Israel		44108
Europe		84756*	64844*	74465*	84939*	Latin America		24520
European Economic Community		16751*	84947*	84954*	96181*	Netherlands	24526*	34160*
Germany		44052*	Pakistan		16726	New Mexico		74517
Great Britain		54230*	pasteurization	54294	64890	North Carolina		56201
Italy		21926*	64891	74531	6177*	nutritive value	74362	96231*
Philippines		64723	conferences and congresses	24553*	74530*	Philippines	64871	64872
USSR		84923*	24553*	74530*	85043*	prices	6161	64865
losses	44024	44091	106721*		106696*	Puerto Rico		84959
94442*	106671*		patents		74501	regulation and inspection		44033*
marketing	6068	6071	pest control	4892	23363	84915		15455
15412	24398	24414	23370*	42738*	94423*	Republic of South Africa		6176*
34048	34059	34066	94440*	94445*	96205*	research methods		84993
34078	34155	34182	pests	4885	14231	statistical		84980
54149	54171	56151	24373	32884	83514	reviews	44089	54283
64811	64812	74379	106063	4897*	34159*	85030		96233*
84840	84850	84867	96232*			Rumania		24532
84876	96149	106615	policies and programs		5980	statistics	15455	
106638	15403*	34068*	15364	15372	24309	74502*		54307
associations		15417	33964	33969	33970	storage		54300
Austria		64808*	36330	54085	64712	study and teaching		96225
Brazil		54080*	66590	74293	74294	24340	54327	54332
Canada		74427	84763	88065	96085	54289*	96209*	106703*
China		74404	96097	106541	106542	Sweden		96230
conferences and congresses		96086	33959*	74296*	96084*	Trinidad		24551*
costs	44018	84866	developing areas	84771*	45736	USSR	6228	74493
France		6072*	Europe		35679	United Arab Republic		26132
Germany	15422*	106616*	Germany		43973*	Yugoslavia		56427
East Germany	43994*	54170*	Great Britain		76167	processing	6180	6186
54196*	54197*	84905*	Hungary		24322*	6225	6228	6232
Ivory Coast		106612*	India		15369	24503	24518	24525
legal aspects	54151	15415*	Japan	74308*	84758*	24540	24556	24561
Louisiana		96142	108028*			34181	34182	44093
Michigan		6069	Philippines		64719	46528	54285	54297
Netherlands		6074*	Poland	54075*	54090*	54310	54312	54315
Ohio		74400	57151*			54419	64782	64887
Missouri		64806	Republic of South Africa		5981	74511	74522	74524
Philippines		64900	USSR bloc		54079*	85002	85004	85012
Puerto Rico	6085*	44033*	Vietnam		74306	85031	85042	85045
Rhode Island		6096	preservatives	6179	6181	96196	96211	106686
Sweden	27169*	34063*	6886	16244	34825	106700	106701*	106704
106605*			54657	66111	74431	6034*	6172*	24524*
Yugoslavia		54185	84786	84916	84997	54309*	54331*	64867*
microorganisms	6179	24362	106709	6016*	6104*	64885*	64893*	64895*
24385	43898	43916	6818*	6864*	6880	84987*	85019*	85038*
43930	54123	54231	34176*	43915*	54095*	96231*	106692*	106716*
96101	96201	6016*	64906*	84920*	84990*	costs		64865
24464*	34004*	43911*	85279*	96651*	107988*	fluidized bed	24523	24539
64742*	64759*	64760*	pressurized	24477	24492	24545		7722
64895*	74366*	96184*	prices	6161	15448	labor		6223
conferences and congresses		84818	34137	34155	44076	processing equipment		64879
64768**			54149	54277	57113	24549	54311	54321
reviews		6125	74470	84965	106553	74484	85002	85007
moisture	6127	54122	8329*			54291*	54330*	74515*
74328	74361	74482	Canada	24495	34132	84986*	85010*	
84798*		43929*	Europe		84963	properties	6012	6021
multipurpose	76844	108923*	Georgia		84826	6045	6134	64771
			India		6164	96109		64779

\*Text of this reference is not in English.

	Item				Item				Item		
Food--Cont				Food--Cont				Food--Cont			
properties--cont				relief programs--cont				statistics--cont			
conferences and congresses	64820			87638 106540 106544	106610			Philippines			106739
reviews	85030			108257 108868 108905	76765*			Switzerland			34220*
proteins	24380 54118 55408			84769*				Taiwan	64920	64921	
74354 84781 96102 8351*				Asia	43960*			sterilization	34179 64890 64891		
44098* 64754* 76879* 106577*				Canada	43890			85026 34186* 44085*	54323*		
conferences and congresses	96086			developing areas	24313			74485* 74512*	85017*	85027*	
purchasing	24404 34073 54156			24308* 87631*				sterilization equipment	24547*		
54178 57085 64814 96161				history	74305			24548* 74489* 106695*	106718*		
Georgia	43959			Israel	87728			sterilized	6211		
Hungary	64795			Latin America	17213			conferences and congresses	24552*		
institutional	6792 34078			Louisiana	84757			24553* 74530* 85043*	106696*		
Puerto Rico	44033*			Virginia	24415			106721*			
Washington	74455			requirements	54070 96082			storage	6199 6226 15461		
quality	6115 6123 6141			6066*				34191 54287 54303 64846			
15441 34024 34094 34097				research methods				84991 85041 85045 96201			
34112 54254 54307 84997				linear programming	8329*			34174* 54322*	94423*	96215*	
96161 33987*				statistical	44043			developing areas	15411		
refrigerated	54269 84981 15465*			research programs	5975 5996*			Hungary	24444*	24519*	
15477* 96206*				24330*				India	34184		
refrigeration	44088 54313			Belgium	54314*			Italy	15465*		
106687 15463* 64870*				Great Britain	96087 96207*			Michigan	6069		
regulation and inspection	6041			Republic of South Africa	5999			Oregon	14234		
6116 6119 6124 6126				5978*				Philippines	64900		
6132 6138 15434 15437				Sweden	96230			Puerto Rico	6085*		
15441 24452 24456 24457				reviews	43873			statistics	54329 106724*		
24458 24461 24467 24468				sanitation	6103 6186 24373			temperature	15411 74491		
33990 34015 34092 34093				54338 74533 106657 106701				96223			
34096 34099 34105 34106				15432* 54099*	64763*	106643*		study and teaching	6000 24344		
34108---34110 34117 34121				associations	54334			bibliographies	84753 84760		
44041 44044 44053 44059				Germany				Canada	96096*		
44705 54202 54216 54220				East Germany	74860*			Great Britain	24340		
54224 54257 64749 64819				Great Britain	6111 96169			Massachusetts	84754 84759		
64822 74443 84911 84913				USSR	64836*	84923*		84761			
84918 84921 96156 96158				Venezuela	6102*			Poland	54084*		
96170 96173 96177 106670				shows	5974 24328 74313*			Spain	43888*		
6050* 6113* 15439* 34124*				situation and outlook	5976 5977			substitutes	6109 15442 34109		
44039* 54204* 75555* 96176*				5983 5985 5998	6001			34110 54202 54220 54229			
106665*				6003 7594 8331 15374				surpluses	26423 27204 74297		
associations	24446			15375 24315 24321 33954				24308* 64710*			
Australia	34103			33956 33960 35585 43878							
Austria	54214*			43881 43882 43884 54071				synthetic			
Canada	54243			54074 54078 54081 54089				terminology	33965* 34124*	74441*	
conferences and congresses	24474			54091 64713 64811 66589				testing equipment	15393 74364		
Connecticut	34100			66717 67087 84764 84773				84822			
Denmark	15435*			86899 86904 89979 90819				tests	6011 6012 6022		
Europe	24450* 24451* 54205*			90909 96088 96094 97785				6045 15390 24363 24368			
96172* 106660*				106539 106541 106542 108985				33990 34024 43907 43921			
European Economic Community				15370* 24323* 24337*	24339*			43927 43949 54101 54103			
74431 84916 6135* 44057*				96095* 108288*				54107 54111 54112 64749			
44060* 84920* 84927*				Africa	43883			64758 84778 84779 6042*			
France	74454 44681* 74433*			Brazil	54080*			24348* 43897* 54096* 54239*			
Germany	74434 6117* 6121*			Cameroon	74391*			54267* 64742* 64750* 64754*			
6129* 12607* 15438* 24459*				China	64717			64757* 64760* 64762* 74344*			
34115* 44052* 54222* 54235*				developing areas	5997 56393			74351* 74359* 84824* 96105*			
61898* 64828* 64829* 64837*				98062				trade	8211 8294 8298		
74365* 74451* 81766* 84815*				Europe	43887			27204 36201 46360 57052			
84912* 106648* 106653* 106658*				Finland	33973*			57059 57060 76764 76783			
106672*				France	66592*			87639 108839 108841 108842			
East Germany	84791*			Germany				108905 57067* 76735*			
Great Britain	6175 54225			East Germany	54082			Africa	17170		
64758 83514 84911 106645				Hungary	74315 24341*			Australia	46407 67349		
54230*				India	97722*			Austria	57059		
history	24471 84925			Italy	24332*			Canada	27239		
India	96153			Japan	33958*			developing areas	27204 108854		
international	34103 76783			Latin America	43877			Europe	8277 27174		
96162 15443* 44055* 64837*				Malagasy Republic	44010*			European Economic Community	35715* 84916*		
106662*				Norway	96091*				8231*		
Italy	6100* 12570* 64843*			Pakistan	26436 43874			Germany	27239		
96154* 106671*				Philippines	24331 64719			Great Britain	8211		
Japan	54234 84768* 108793*			Poland	74307			India	8217		
Maine	96171			Spain	54086*			Leeward Islands	87728		
Netherlands	74444* 106650*			Taiwan	66704			Israel	108882*		
New York	15442			USSR	43880*			Netherlands	17163*		
North Dakota	96166			Vietnam	54087*			Poland	57040* 8279*		
Portugal	54213*			64728 74306				76735* 76798*	87622*	87709*	
Republic of South Africa	6115			smoked	64874			Puerto Rico	57067*		
Scandinavia	96152*			sources	3334 5993 15371			Rumania	27174		
Scotland	96174			74301 96088 96093 97517				Sweden	56980*		
Switzerland	24473* 74430*			100657 106543 108924 108960				Switzerland	57060		
USSR	64836*			74304* 96095*				Thailand	8205		
relief programs	6002 8209			spoilage	44035 44061 54231			Windward Islands	8217		
8308 15378 24320 24329				74338 24464*	96184*			transportation	15411 34046		
24442 33963 33971 34048				reviews				54183 84943* 85022*			
35197 35738 36201 54077				statistics	106761 15403*			by rail	43996 44004 44024		
57027 57089 64718 74295				Canada	6240 74290			54172 24546*			
74297 84750 84762 84766				Japan	15495* 106743*			by water			
				Norway	51029*			reviews	43992		

\*Text of this reference is not in English.



	Item				Item				Item		
Food--Cont				Foot-and-mouth disease--Cont				Forage plants--Cont			
vitamins	15397	15431	36375	control--cont				anatomy and physiology--cont			
67458	67462	67463	84793	Western Hemisphere	12615*			29765*	38215*	47980*	48319*
87812	6016*	64898*	64908*	eradication	21919	30835	30856	58192*	58926*	68817*	68887*
67460*	76879*	76888*	84912*	12628*	12721*	21855*		78437*	78673*	78712*	78744*
87808*	98413*	108966*		France	81757*	103292*		78849*	89748*	100245*	100287*
conferences and congresses			76873*	Germany			12688	100415*			
waste		60806	84829	East Germany	51582		92039*	reviews		9871	18956
weight and measurement			54227	Great Britain			3117	Arctic Region			
74455	96109	106651	84954*	guinea pigs	62254	62662	82513*	bibliographies			7737
Food Green No 4			31323	immunization		21837	81872	Argentina	10485*	19606*	19656*
Food pastes	85959	4897*	25595*	22471*	30893*	41269*	41376*	Australia		38830	77169
27350*	44838*			51465*	61864*	71769*	81835*	Austria			92348*
pests	23349*	23352*	23357*	mice		52135	52144	biochemistry		28296	59005
23367*	23368*	94422*	94443*	92948	13423*	31726*	41862*	89869	1344*	59029*	69227*
Food plants				52139*	61814*	72519*		78968*			
Arctic Region				Near East			81832*	Brazil			10436*
bibliographies	7737	24372		prevention	30995	30863*	81832*	breeding	48835	48863	78067
Argentina		46761*		rats			72519*	78236	28634*	101035*	
Brazil		44560*		reindeer			41349	Germany		69503*	90180*
Florida		8602		resistance			12581*	East Germany		48901*	90193*
history		57422*		sheep	4400	22135	63085	Great Britain		28704	28627*
India	19460	24372		104629	104678	31487*	32429*	Hungary			59379*
Italy		20337		swine	82976	83086	103767	Netherlands			79286
Norway		29*		52642*	93822*			Poland			38862*
Peru		90765		control	13886	13809*	52651*	Switzerland		38813*	48804*
Philippines		98408		immunization		13863*	32437*	California			46842
Senegal		36602*		prevention			52577	conferences and congresses		48847*	48923
Venezuela		84830*		treatment			52604*	contamination		24454	52849
wild	6017	27067	36653	transmission		32696	32697	75024	23165*		
74404	27*	87797*		treatment			12564*	Corn Belt			7901
Food poisoning	6024	6106	24460	USSR			81808	costs and returns			16892
43906	43919	43930	44058	vaccines	3549	4400	12603	Australia		7941	56479
54101	84779	84933	96157	21870	21899	22135	31480	France		87081*	87172*
97212	106647	107524	6118*	91951	103330	12937*	30874*	Germany		54734*	108554*
24514*	54226*	64821*	74353*	41269*	41354*	51465*	51848*	East Germany			84545*
84824*				61864*	81704*	81835*	81837*	India			66906
Belgium		54209*	54211*	92094*	103242*			New England States			35882
Denmark		64835*	64833*	Venezuela			30992*	Poland			75033*
Germany	6130*	84932*	96155*	virus	3245	3577	12561	Switzerland			87219*
96175*				12603	12715	30983	30994	culture		19676	90169*
Great Britain		44054	86167	31020	51480	51568	51581	Alaska			59321
Israel		106646		51610	52135	55497	61703	Argentina	1615*	19599*	19614*
Japan		54221*		71692	81709	81871	81872	19632*			
North Central States		96408		82976	91951	92029	92948	Australia		48875	90080
Switzerland		30892*		99571	103329	103334	103696	Bulgaria	48848*	49554*	101036*
USSR		84924		104825	12608*	12714*	13423*	China	59302	59327	79269
Venezuela		75608*		21908*	22471*	30851*	30909*	100965*			
Food stamps SEE Trading stamps				30938*	30989*	41862*	51463*	Colombia			90142*
Foot-and-mouth disease	31021	12567*		51502*	51593*	51614*	61695*	Colorado			28706
51463*				61814*	61864*	61865*	71772*	Czechoslovakia			90182*
Argentina	103335	61695*	103162*	81704*	81765*	81798*	81817*	Denmark		1591*	48908*
Bulgaria		103195*		81836*	81837*	82174*	82265*	desert areas			100986*
cattle	3577	13135	22217	91928*	91940*	92038*	92094*	Germany	41261*	59349*	79349*
31479	31480	41580	82167	92382*	103162*	103315*	103619*	80425*			
103696	103697	103767	51919*	reviews			71773*	East Germany		1596*	1619*
92382*	103619*			Foot rot				28634*		69530*	90183*
Austria			72176*	cattle	41603	52800	13077*	90192*			
control	22276	62303	31435*	41690*	103877*			Hungary		19596*	59379*
82265*				citrus		18066	27085a	Italy	1608*	10495*	19621*
Czechoslovakia			31345*	Cyclamen			88814	28626*	48872*	100953*	
eradication			22272	Piper nigrum			88739	Japan	28609*	28644*	28694*
Germany				sheep	42214	52800	72873	28703*	29860*	33824*	79302*
East Germany		51861		104683	104720	32297*	63109*	79307*	90153*	90155*	90163*
immunization	3549*	22135		82809*				90166*	90171*	90201*	90202*
41600	12937*	31260*	31299*	swine			52642*	Kenya			28639
31396*	31487*	51848*	82168*	wheat			351	Latin America			59331
India			62254	Forage plants				Lebanon			79362
Italy		3701*		acreage and area	96663	54734*		Louisiana		28676	69523
Pakistan		62255		65226*	75049*			Middle Western States			89976
prevention		31449	62303	Alabama		69540	2575	mountain areas	10495*	28644*	
13086*				analysis and composition			51414	Netherlands		1630*	1633*
sequelae		31403*	31464*	15776	21743	25056	82061	New Hampshire			19652
transmission		22143*	72276*	54983	65222	70552	25077*	Nigeria	12513	61658	
treatment		51870	13107*	91119	103143	24389*	48888*	Ozark Mountains		61252	
41633*	82252*			25086*	41240*	45115*	91842*	Poland	10427*	28620*	28693*
USSR		51916		51434*	65198*	71606*		38862*			
control	41282*	30860*		96682*	103110*	107083*		reviews			100955*
Africa		61909		anatomy and physiology			1042	Rumania	10423*	59394*	90149*
Bulgaria		30883*		1083	1239	1266	2253	90170*			
France		3174*		9938	9956	9957	9988	Sicily			10458*
Germany				10005	18976	19111	27833	South Dakota			69590
East Germany		61867*		27970	29719	38045	38240	Spain			48753*
Great Britain		3257		48024	48067	48365	48444	Sweden	1625*	38845*	69520*
India		31700		48446	48844	68700	68781	90152*	100980*		
Poland		3199*		69029	69047	89386	91119	Tunisia			79309*
USSR		81720*		99771	1194*	10107*	18873*				

\*Text of this reference is not in English.

	Item				Item				Item		
Forage plants--Cont				Forage plants--Cont				Forage plants--Cont			
culture--cont				green cut--cont				palatability	4070	22124	51409
USSR	1616*	10450*	10474*	51803*	54742*	62089*	63224*	51737	82061	12908*	41227*
20194*	28617*	48874*	59301*	65214*	71650*	92279*	104603*	103114*	103133*		
69363*	79313*	80483*	100986*	107083*	107102*			pests	42636	63388	23165*
101022*	101039*			Australia			31230	32775*	32780*	83324*	105208*
Vancouver Island		28707		Bulgaria	38836*	38837*	42270*	planting		1584	19676
Yugoslavia		79272*		63192*				Canada			79343
cytology		78236		Denmark			54706*	Ireland			28650
digestibility	3441	3444		France		13643*	22118*	Japan	19646*		28678*
3474	4397	4413	12482	Germany				Northern Ireland			10469
12492	12513	12893	41558	East Germany	42263*	65214*		Norway			79268*
48820	51423	51793	71615	86975*	108389*			Poland			59323*
71618	71661	72054	81643	Iceland			39962*	planting date	38840	38839*	90133*
81644	82116	103586	22823*	research methods				90175*			
41203*	41240*	41244*	61667*	statistical			3458	planting equipment		53791	43574*
61676*	82775*	103105*		Tropics			12872*	Poland	107074		72772*
research methods				USSR	3733*	25069*	59391*	policies and programs			97907
statistical		13692		92354*				Canada			107082
diseases		47059	18051*	hardiness			38410*	Costa Rica			16191*
dried	52217	52198*	63224*	harvesting	9988	71615	79357	Germany			108449*
81635*	103101*			101044	24100*	53748*	64485*	East Germany	56380		16793*
Denmark		54706*		71635*				44411*	86975*		
France	15774*	65224*	84544*	costs			87193	Japan			107096*
Germany		74121*		France		28612*	48888*	Rumania			96662*
East Germany		84538*		Germany		59380*	76051*	pollination			9802
84542*	108470*	108389*		East Germany			90159*	Portuguese Timor			48905
Poland	4087*	12500*	24135*	Great Britain			21802	processing	7941	71987	72062
54695*	75041*	87170*		Italy		100954*	101925*	75019	81811	84720	85525
44092	24100*	64507*		New Zealand			10482	81685*	91808*		
71655*	84539*	96696*	107087*	Oklahoma			1581	Australia			103085
costs	15774*	43635*	75033*	Republic of South Africa			19672	costs			54743*
87170*	108389*			Rumania			91808*	France	12480*		48888*
drying equipment		1610	48899	Sweden			100908*	Germany			
25069*	43638*			harvesting equipment		5809	84505	East Germany			90159*
France		5764*		87193	15148*			USSR			28617*
Germany		64513*		Czechoslovakia			24114*	processing equipment	106352		43604*
East Germany	43624*	48901*		Germany	64485*	64488*	74077*	43640*			
Hungary	5814*	84519*	84522*	74080*	74095*	95881*	106326*	proteins	18976	29719	38852
ecology		1588*	79290*	East Germany		15177*	64486*	21798*	29798*	71643*	89748*
Hungary		77989*		Great Britain			64487	90159*	101036*	103130*	
Iowa		59373		Hungary			95874*	quality	48861	48863	70133
Switzerland		60379*		Italy			84497*	70552	91891	101037	28684*
USSR		5041*		Japan		33697*	33733*	79261*	103133*		
fertilizers	2449	9957	11636	Lithuania			5812*	research methods			51448
18976	20594	20779	20829	Maine			24113	linear programming			108374*
40006	60324	60436	68700	mountain areas		33732*	106311*	statistical		28647	48811
70513	70562	70656	80294	Netherlands			43612*	research programs			79099
89497	101044	72790*	103366*	Poland			74086*	Rumania			10477*
Australia		49964		USSR	5804*	43604*	106322*	sampling			48899
bibliographies		91103		history		59347	79290*	seeds	9802	90203	7416*
California		50043		hybrids			69509	Albania			90175*
Canada	20607	50077	91103	India		19669	27970	Canada			79343
91104	91119			Indiana			74286	certified		59363	90138
Denmark	1591*	2333*	70736*	injuries	28623	28631	48891	Denmark	2333*	20294*	48908*
Finland		2370*	70637*	48067	37038*	38866*		directories			59363
Germany				20829	102191		2528*	Germany			7417*
East Germany	58926*	90159*		Denmark			70736*	Great Britain			59363
Hungary		20587*		Poland		80585*	91240*	Hungary			59379*
Iceland	39962*	50036*		Republic of South Africa			68887*	Nebraska			107890
Indiana		70488		Italy			96682*	Norway			79268*
Italy	20615*	20740*	91152*	Japan			31838*	Poland			59323*
100415*	101925*			labor		54743*	64485*	quality	45295	20221*	107884*
Japan		100245*		loading equipment		15067*	24005*	Rumania			80707*
Minnesota		9802		64371*	84285*			Sweden	1602*	1625*	55788*
North Carolina		2341		losses			107102*	86420*	90152*	100908*	100979*
Oklahoma		90129		mechanization		5661*	15065*	101033*	107884*		
Poland	983*	91240*		33555*	64347*	84354*	95718*	soilless culture		19607*	28668*
Rumania		102063*		morphology			27452a*	48893*	62113*		
Scotland		39968		mountain areas			28626*	soils			60619
Sweden	11370*	41505*		nematodes		68051	18397*	Australia			49964
Switzerland		20766*		nutritional deficiencies		19257	38045	Canada		20607	28625
USSR		29807*	70610*	nutritive value		1605	3450	Colorado			28706
Finland		103590*		3455	3474	9956	10472	Denmark			78712*
France	25077*	76254*	84755*	10515	12513	12870	12907	Finland			2370*
fungus diseases		9149	37339*	15776	22037	41493	41537	Germany			59349*
44417*				48825	51899	61658	62065	East Germany	29801*		33500*
genetics		58398	78236	62122	68700	71615	71618	90183*			
Germany	10289*	16816*	16859*	71987	72039	72047	72060	Great Britain			59342
54734*				72062	72089	79357	82028	Indiana		70260	70459
East Germany		10442*		82126	82548	103586	103598	Minnesota			9802
germination		9957		10461*	11370*	12494*	21755*	USSR	20194*	80483*	102233*
Great Britain		89387		22506*	32214*	41240*	51404*	Spain			19660*
green cut	1629	4506	22922	59391*	62087*	62105*	71617*	statistics		25067	96699
31319	41236	41515	53760	71653*	72036*	81685*	82131*	storage	44417*	53748*	65214*
75029	92372	38841*	41240*	91839*	92313*	93119*	101030*	65224*	74253*		
								bibliographies			84720

\*Text of this reference is not in English.



Item	Item	Item	Item
Forage plants--Cont		Forest entomology SEE Entomology, economic; Forest insects; SUBHEADS pest control; pests UNDER Forests and names and classes of trees; and SUB- HEAD forest pest control UNDER In- secticides and names of insecticides	Forest fires--Cont
Sweden 24389*		Forest fires 2861 12450 61212	Ohio 102795
Switzerland 59303* 100912*		Alaska 50957	Pacific Northwest 61230
taxonomy 1588		Arizona 50960	prevention 21351 50951
Turkey 71357*		Belgium 71315*	associations 81218
USSR 17515*		Brazil 40712* 91553*	California 50952 50954 61216
United Arab Republic 4397 4413		California 11952 50961 61217	Canada 71323 73334 71321
varieties 12482 28685 41538		Canada 81233	Germany 71322* 61222*
51737 51917 59338 63117		causes 2863 12159 21347	Japan 81217*
81643 81644 19622* 48903*		50963 50965 102788 102794	Minnesota 2867
79290* 100936*		71333* 102788 102794	Mississippi 71318
Africa 51755		research methods 40706	New Jersey 102786
Albania 90175*		statistical 40706	Pacific Northwest 40708
Argentina 22060*		Chile 2866 21349 50962	South Carolina 102789
Australia 10005 59366 79326		control 50963 71314 71322 102800	Tanganyika 71319
79328 90114		102804* 61226 81225	USSR 40705* 61220* 102787*
Austria 79360*		associations 81234	Yugoslavia 81219*
California 50043 79275		California 2864 30452	protection 40711
Canada 38821 69506 100977		Canada 61215 81224	Australia 61218
100984		chemical 30448 61223 81226	California 21350
Florida 41558		81227 102805	Canada 12164 21352 40709
France 31166* 78437*		directories 12163	Cyprus 50964
Germany 79351*		Germany 2870	Montana 12158
Great Britain 28704 48820 79259 79281		East Germany 12161*	New Jersey 102786
59342 59363 79259 79281		Kentucky 61213	USSR 102792* 102797* 102799*
100966		Maine 102808	102801*
India 51419		Mexico 71333*	Republic of South Africa 61224
Iowa 28435		Montana 71332	research methods 2862
Italy 100953*		Norway 30447*	statistical 2862
Japan 90153* 90155* 90163* 90166* 90171* 90201* 90206*		policies and programs 61211	Rocky Mountains 61260
Malaysia 69557		reviews 71320	Southern States 12165
Malagasy Republic 79276*		statistics 81232	statistics 21354
Mississippi 100988		study and teaching 81230	Alaska 61219
New York 38844		Switzerland 30451*	California 71334
New Zealand 13655		Tanganyika 71319	Finland 50955*
Northern Ireland 10469		tests 81215	Georgia 61227
Norway 100959*		USSR 81228 102810*	Washington 21355
Ohio 28683		Washington 81221	suppression 81230
Oklahoma 79277		control equipment 2865 2868 50950 61214	terminology 71313
Poland 59311* 82131* 28621		2872 12157 50950 61214	USSR 102798* 102806*
Southern States 28621		61228 71312 71327 71329	Virginia 91622
Sweden 19597* 71627* 86420*		71330 71331 81216 81223	SEE ALSO Firebreaks; Forests, burning; Lookout towers; and SUB- HEAD in forest fire control UNDER specific subjects
101033*		81229 81231 102790 102791	Forest genetics SEE Trees, genetics
Switzerland 48804*		102793 102796*	Forest industries 2890 60922
Tennessee 59332		102793 102796*	60908*
Tropics 10430		danger 61228 81214 102572	accounting 21504
Turkey 103110*		30450* 102802*	Alaska 51014
USSR 59382* 90189*		detection 50953	Appalachian Mountains 61275
Western States 90139		detection equipment 102785*	associations 61276*
virus diseases 77876*		effects on Larix gmelini 105369*	Austria 12204*
vitamins 81636		effects on Picea mariana 21326	Brazil 30473*
weed control 70133 90659 90714*		effects on Pinus banksiana 30362	British Guiana 30131*
Arizona 101563		102627	Canada 2892 21380 21385 50610
Denmark 20294*		effects on site 102735	50490 50598 50600 50629 61282 102841
Japan 29248*		effects on soils 20397 50708	conferences and congresses 70937*
Sweden 20221* 39467*		71167 81150	developing areas 91457*
48890 70656 101044 102191		effects on trees 50800 50850	directories 81283
Austria 79360*		50959 102688 12162* 30381*	Finland 2893 102845 71032*
Belgium 70782*		Finland 50958*	71374* 102849*
California 50043 70133		Germany 12160*	Germany 61279*
Canada 28625 38840 50077		East Germany 61229	Ghana 40743
91119		Great Britain 21353	Great Britain 51036
Denmark 70736*		hazard and risk 2868 21353 40707*	history 40395 102841 71376*
France 87172*		40710 71324 91553 40707*	Hungary 30116*
Germany 59380* 59401*		71164* 102809*	India 11964
Great Britain 59342 69519 86997*		Australia 81222	Iran 81284
Hungary 86997*		Canada 30449	Italy 12202*
Italy 28626*		Georgia 61227	Japan 81288*
Japan 28655* 79307*		Michigan 21348	labor 21375
Lebanon 79362		Trinidad and Tobago 71328	mechanization 21474 71366*
Maine 70552		USSR 61220*	Mississippi 91648
North Carolina 2341		Illinois 81220	Missouri 11895
Oklahoma 79277		Malagasy Republic 2869*	Mozambique 61291*
Poland 28693* 80585* 91240*		Malaysia 2871	Netherlands 71373
Rumania 59314*		Missouri 50959	New Zealand 51031 81283
Tennessee 59332		New Jersey 61211	Norway 40408* 40746* 50533*
USSR 101824 34470* 59391*		North Carolina 102807	Pennsylvania 21476
SEE ALSO names of forage plants		Northeastern States 91620	Philippines 50513 50554 51032
Foraminitermes 53575		Northern Ireland 71317	policies and programs
Forbs SEE Forage plants			Canada 21088
Forcipomyia 5255* 14607* 53315*			Colombia 102417*
Forcipomyia (Lasiohelea) 73671			Europe 61284*
Foreign affairs and agriculture 56272			
Foreign service 109243			

\*Text of this reference is not in English.

	Item		Item		Item
Forest industries--Cont		Forest labor--Cont		Forest products--Cont	
policies and programs--cont		education and training--cont		developing areas	74312
Poland 21384* 61276*	70957*	Sweden	71389*	Europe	11883*
70959*		Switzerland	30510*	Finland	81407
public relations	21479	energy requirements	12134*	Germany	
41113 51164 102840	40879	Europe	71263*	East Germany	40423
Republic of South Africa	71378	Germany	66507*	Great Britain	83536
11884* 60834*		Great Britain	60859	history	30469*
Rumania	21483*	history	76080*	Hungary	21387*
situation and outlook	102848*	housing	40421* 40422*	legislation	51156*
Africa	102846	71290*		marketing	21470 21485
developing areas	51030	Japan	11908*	21499 30575	40884
Germany	12205*	legislation	50444	Australia	40870 40872
New York	61285	management	61322	40883	
Philippines	91647	Norway	40513*	Germany	12314*
Poland	30474*	productive capacity	70927	Latin America	61385
Sweden	21388*	70912*	70909*	Michigan	21508
Taiwan	80913*	Denmark	102850*	Northwestern States	51166
statistics		Germany	11906*	Tennessee	21498
Louisiana	51016	East Germany	11999*	Vermont	12310
Mississippi	61277	40508*		West Virginia	30576
New Zealand	71004	Japan	40783*	Northwestern States	21482
Norway	51029*	Netherlands	71263*	Pennsylvania	21476
Oregon	12203	Poland	21067*	Philippines	21486 21487
Sudan	51020	Rumania	50469*	71435	
Sweden	21381*	USSR	30106* 40431*	Poland	61525* 102915*
Taiwan	81487*	Yugoslavia	60830*	prices	30569 51153
Tanganyika	71369	recruiting and placement	40389*	102466* 102919*	
USSR	2891	research methods		quality	51165
United Arab Republic	80824*	statistical	30084*	requirements	40875
vertical integration	21475 21485	situation and outlook	21375	research methods	
21490 21491 21504	51027*	standards	2691* 21042*	statistical	30271
Western States	51025	80787* 102858*		research programs	81417
SEE ALSO Lumbering; Wood-using		statistics		situation and outlook	21475 61382
industries		Sweden	11878*	102916	
Forest insects		transportation	11881	Africa	102846
anatomy and physiology	105529*	USSR	11879*	Alabama	21506
Australia	14827 42777--42779	wages		Canada	21507
Austria	64200* 73707*	Austria	50481 2898*	Italy	51152*
biology	42754 53421*	Canada	80812	Poland	30474*
Canada	95535 104962	Czechoslovakia	60835*	statistics	71004 81285
Chile	73469*	Denmark	102851*	Sweden	81418*
collecting	105409*	Finland	50456 30095*	taxation	30174 50563
collections	94640	71398*		Texas	61388
control	13998*	Germany	21427* 50496*	theft	51156*
Czechoslovakia	43377* 73578*	60927* 80801*	80839*	trade	21378 51039
94481*		East Germany	2690*	Australia	11918 71367
diseases	105384	12232*		British Guiana	40744
ecology	83180 14572*	Hungary	91432*	Canada	30477
Germany	23501* 94927*	Indonesia	51080	developing areas	71365
USSR	42978* 63948*	Norway	50474*	Europe	30477
France	73573*	statistics	50457*	European Economic Community	
Germany	83747* 94450*	USSR	102372*	Finland	21382
Great Britain	5422 42993	work management	30493 30879*	Germany	51163 51018*
habits and behavior	5454	Canada	61333	Great Britain	102844*
identification	42754 73307	Czechoslovakia	12142* 21058*	Italy	21383*
microorganisms	83556	30515* 40413*		Japan	81288*
mountain areas	43377* 73573*	Germany	11887* 21068*	Lithuania	30469*
Oklahoma	43152	Hungary	21071* 60853*	New Zealand	71367
parasites	23499*	Japan	40432*	Norway	40747*
Poland	4912* 32891*	Sweden	71007*	Poland	30469*
populations	14283* 63692*	Taiwan	2707*	Spain	30468*
83743*		USSR	102389*	Sweden	61288*
Portugal	105633*	Forest pathology	SEE Trees, diseases	Western States	51025
situation and outlook	4919 83566	Forest products	21471 21501 51150	transportation	21378 51013*
Spain	105633*	51159 102423 81573*		Yugoslavia	71434
surveys	14273 14280	accounting	87138	SEE ALSO names of forest products	
Switzerland	23389*	advertising	21470 21481 21495	Forest rangers	30128 50499 70967
Uganda	5343	21500 40870 40876	40879	91448 2698* 91430*	
USSR	42850 14367* 42772*	51164		Forest roads	SEE Roads, forest
105349* 105408*		associations	12306 21494 30566	Forest tent caterpillar	SEE Malacosoma
SEE ALSO names of families and		40870		disstria	
genera; and SUBHEADS pest control;		Australia	12307 40868 40869	Foresters	30110 30111 70899
pests UNDER Forests; Trees and		bibliographies	21492 30516	consulting	21070 21072
names of trees		102380		Germany	
Forest insurance	60952* 80875*	California	40867	East Germany	102392*
Forest labor	102385	Canada	51162	Japan	50448
and mechanization	40426* 40431*	81408		Mexico	88014*
Austria	21074*	conferences and congresses	21489	New Hampshire	50539
California	91452	51160 81409 102914		Somali Republic	50445
conferences and congresses	7732	consumer preferences	21505	wages	11876
costs	30224	consumption	21474 50643 51153	SEE ALSO Forest rangers	
education and training	51067	61565 81415*	81416*	Forestry	21051 21053 21054
Austria	60871	Great Britain	40881	50451 50462 50470	50483
Canada	50454	Italy	51152*	60851 70923 21044*	70936*
Denmark	102850*	Sudan	51181	71194* 76159* 80811*	80837*
Germany		cooperatives	21508 84879	80838* 80962*	
East Germany	2709*	costs and returns	21504 30580		
Scotland	40434	51155*			

\*Text of this reference is not in English.



Item				Item				Item			
Forestry--Cont				Forestry--Cont				Forestry--Cont			
accounting	71021	71051	71011*	costs and returns	21367	40491		equipment--cont			
71038*				61245	71023	71027	71053	shows			2696*
Austria	40493*	40503*	40493	80922	91491	102434	102441	tests			21119*
Germany			45531*	50619*	71037*			USSR	102438*	102444*	102446*
Great Britain			40493*	Denmark		11967*	30196*	Europe	66733	70906	30146*
Japan	30207*	30215*	80935*	Finland		50560*	50612*	Finland	80827	21052*	21061*
80943*	80946*	102452*		Germany			11945*	40411*	102370*	102849*	
Poland		80927*	80934*	Great Britain		11965	60921	France	60846	50715*	70914*
Republic of South Africa			40489	80948	91482			80826*			
40490				Italy		40510*	71067*	Georgia			30099
USSR		71068*	102435*	Japan		30212*	80935*	Germany	60832	70930	2697*
accounting equipment		60929	11970*	Lithuania			71150*	2699*	11882*	17007*	30085*
40517*				Michigan			102463	30086*	40399*	40589*	46672*
advisory services		21049	60840	Norway	30198*	30230*	40496*	80795*	80845*	102393*	
Canada			50644	40501*	40502*	40518*	80924*	East Germany		40423	21045*
developing areas			91433*	Ohio			102827	80830*			
Finland			60829*	Pennsylvania			50640	Great Britain	21382	40401	40881
Japan		30125*	30126*	Republic of South Africa			40489	45667	60858	70926	80809
New Hampshire			50539	40490	71063			80847	30118*	30190*	
New Zealand			91422	research methods				Greece			102394
Norway			40488*	statistical			60953	handbooks		21045*	50482*
Southern States			70907	Scotland	11944	50594	71006	hazards and safeguards			80866
Africa	27619	30092	36575	Southern States			2736	history	21075	67607	70902
Alaska			76523	Sweden	40524*	60828*	71024*	91439	70916*	83560*	
Arctic Region				80950*				Austria			11892*
bibliographies			7737	USSR	40507*	50747*	71030*	California			70925
as an occupation		30712	40412	71068*	102551*			Canada			102378
40418	50473	60854	80836	Cuba			102387*	Denmark	80823	102375*	102390*
Germany			2703*	Czechoslovakia		11888	30133*	Finland			50535
Republic of South Africa			70903	102376*				Germany		60945	30108*
associations	50487	60847	80798	Denmark		40406*	40497*	Great Britain			2692
Canada		21050	70935*	dictionaries		50489*	56295*	Japan		30105	50546*
Denmark			30093*	directories	21070	60831	30094*	Lithuania			91470*
France			30124*	56274*	70904*			Louisiana			98011
Gabon			11890*	economic aspects		60856	60923	Maine			40395
Germany	40424*	50450*	70929*	60924	60944	61382	21063*	Malagasy Republic			40449*
Hungary			2702*	50622*	71016*	71037*	80928*	Malaysia			50484
India			40425	81415*	81416*			Norway	30107*	40410*	40520*
Japan	30097*	80843*	80857*	Albania			50441	50477*			
Louisiana			50467	Australia			80817	Poland		77051*	80805*
Netherlands			30113*	British Guiana			21062	Sweden			91427*
Norway	11896*	40390*	80786*	Bulgaria			80936*	Thailand			91436
Ohio			30117	Burma			102413*	USSR			70933*
Poland	70915*	70932*	102382*	Czechoslovakia		50440	40417*	Virginia		50529	91431
Sweden	21065*	30114*	40427*	Denmark	2726*	2728*	21126*	Yugoslavia			50455
80840*				71015*	102461*			Hungary	21060*	30116*	60839*
Switzerland			30121*	Europe			11883*	80793*	80849*		
Western States			60857	Finland		12062*	30101*	Iceland	11893*	30123*	60849*
Austria	2887*	2889*	40403*	Gabon	60841		30201*	in literature		2705	102395*
Belgium			40394*	Germany	50466	60945	2759*	India		40398	21069*
bibliographies	30104	40396	50447	11945*	21130*	30228*	60970*	Indonesia			91423
60827	70921	70922	80826*	71036*	80814*	80931*		Iowa			91443
Canada			30089	East Germany		60985*	102419*	Ireland		38937	60852
Denmark			102375*	Great Britain			50461	Italy	70906	80820	91477
Germany			30119*	Hungary		60925*	60954*	Japan	8387*	30112*	50478*
Israel			102380	Italy			50603*	87283*	91445*		80831*
Poland			87905	Japan	71054	60845*	80799*	Kenya			27619
British Guiana		35623	30131*	80819*	80932*			Korea			108002
Bulgaria			80790	mountain areas			50639	Lake States			56694
Canada	11903	21043	21046	Netherlands		30200*	50611*	legal aspects		102420	102421
26608	26700	30090	36413	50620*	50633*	61283*		50556*	80891*		
50442	50463	50490	71476	Norway	30229*	40513*	40528*	legislation	21099	21101	21103
50592*	70935*	76180*		80919*				80893			
conferences and congresses		21047		Poland	60949*	61292*	80805*	Austria		21102*	61201*
50452	60850			80942*				Belgium			35955*
Alaska			87818	Rumania			70928	Corsica			21097*
Austria			70910**	Scotland			40415	European Economic Community			16751*
Canada			50443	Sweden	21127*	30232*	50617*	Finland		51075*	70971*
Corsica			50485*	71071*				France			50972
Czechoslovakia			30088*	Switzerland		60950	11961*	Germany		40459*	61209*
Germany	11875*	21056*	40402*	USSR	70999*	102447*	102466*	history			80889*
80808*	80818*			102806*				Japan			80890*
Hawaii			91441	Western States			50639	Lithuania			91470*
Hungary			2702*	engineering			60951*	Minnesota			50559
Michigan			80810	equipment	21134	80949	30199*	Netherlands			73309*
Norway			30399*	50675*	80958*			New Hampshire			50539
Poland			70937*	Denmark			2733*	New York			11930
USSR		70918*	71041*	France			50683*	New Zealand			91469
Washington			50494	Germany	60832	11953*	50635*	Pacific Northwest			91652
contests			81018*	60918*	60926*			Poland			50561*
cooperatives		12016	2712*	Great Britain		60957	80930	Southern States			21098
Austria			46340*	Hungary			11951*	Sweden		50562*	70972*
Italy			11929*	maintenance and repair			80921*	Switzerland			60950
Japan		2720*	91485*	Netherlands		60959*	71060*	USSR			80892
Sweden			80963*	80956*							
				Poland		50616	50615*				

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.

			Item				Item				Item
Forestry--Cont				Forestry--Cont				Forestry--Cont			
Malaysia			7618	policies and programs--cont				study and teaching--cont			
mechanization	71052	71055		New Zealand	11918			Connecticut			61338
11963*	40426*	71057*		Norway	30145*	40444*	45654*	Czechoslovakia	11910*		11914*
Canada	21125	21131	50632*	50533*	60878*			Denmark			30134*
Czechoslovakia	2731*		40499*	Oregon		11922	60904	developing areas			30137
50609*				Pacific area			91441	Europe			70943*
Germany			50634*	Pennsylvania			60875	Finland	50511*		70939*
East Germany	30225*		60917*	Philippines			50554	France			30140*
Great Britain			60942*	Poland	50538	60884	70951	Germany	11909*	11913*	21076*
Hungary			21122*	80871	80942	40472*	70957*	21081*	21082*	60861*	80851*
Japan	2730	30224	30213*	70959*	91454*			102400*			
mountain areas			50621*	Rumania			50625	East Germany		2708*	30135*
Norway		11975	50599*	Southern Rhodesia			35703	Great Britain	21077		40436
Poland	40509*	71074*	91513*	Spain			80880*	history			30134*
91604*				Sweden	30159*	50548*	60873*	Hungary		2848*	50504*
Sweden	11950*	40498*	50614*	60878*	70946*	70961*	91455*	India			40398
60919*	71010*			Switzerland			50524*	Japan	70940	30136*	30138*
USSR	91563	40526*	40607*	Taiwan			2713*	30141*	80853*	80857*	87436*
71078*	102565*			Tennessee Basin	2721	80883		87437*			
Michigan			21055	USSR	40455*	70968*	102416*	Latin America			50501*
Minnesota			50449	Utah			21392	Massachusetts			60862
Missouri			40393	Washington			21096	Minnesota			50506
Nauru			26591	Wisconsin			21139	Montana			50500
Near East			50476*	Yugoslavia			80860	New Hampshire			70938
Nebraska			91440	Portugal			70906	North America			70944
Nepal	26404		70924*	public relations	11891	11901		Norway			40438*
Netherlands			50459*	102383				Ohio			102399
New Mexico			30083	Puerto Rico			60844*	Pakistan			40437
New Zealand	80794	102388		Republic of South Africa			80797	Pennsylvania			21080
North Carolina			83560*	11884*	60834*			Peru			91449*
Norway	40405*	40408*	40414*	research methods				Philippines	30139	50512	50513
Oregon		11897	11898	linear programming			60843*	Poland	50507*	80852*	80855*
Pacific Northwest			60897	statistical	21105	30262		Portugal			102398*
Pakistan		30091	80788	50486	70978	91435	30120*	Spain			80858*
periodicals	40409*	40428*	102381*	50488	81077*	89015*	102379*	Sweden	50505*	70942*	80854*
Poland		30096*	50453*	research programs	40419	102396		102386*			
policies and programs		12197	21093	Burma		71574		USSR	60860*	60865*	70941*
45489		45867	50521	Canada	50439	50475	91434	80850*			
50551	60888	70963	70964	developing areas			91442	Uruguay			40435*
70966	80882	81274	50576*	Lake States			50480	Swaziland			35624
60894*				Pacific area			91437	Sweden	21084	21117*	40407*
Alabama			102401	Pacific Coast States			91446	40465*	76121*	102386*	
Alaska			56364	Peru			91449*	Switzerland		21064*	40404*
Alps			108302*	Thailand			91436	Taiwan		2704*	40416*
Australia	11918	40440	40442	Tropics			91442	terminology	2689*	50556*	70898*
40875				reviews	30115	70919	80826*	70900*	70901*	70917*	
Austria			21102*	Rumania		50460	30130*	Tropics			70905
Bulgaria			50550	Scandinavia			61001	Trust Territory of the Pacific Islands			86926
Burma			102413*	Scotland			11907	Tunisia			60833*
California			102418	shows		80804*	80848*	USSR	11900	50471	60836
Cameroon		80521*	102408*	Sicily		50465*	56237*	60837	30100*	51027*	80894*
Canada	21088	21092	26828	situation and outlook			11889*	102371*			
35743	50517	60883	70945	Austria			2701*	USSR bloc		30102*	30109*
87058	91434	16830*	50555	developing areas			51030	United Arab Republic		2693*	83824*
China			76222	Europe			60842*	Vietnam			91438*
Colombia			102417*	Germany	21133*	50464*	70929*	Virginia			50458
Czechoslovakia		30173*	40529*	80829*				Washington		50491	50492
50518*	50553*			Great Britain		2692	80789	West Virginia			30127
developing areas			91457*	Hungary			40392*	Western States			30168
Europe			21087	Indonesia			80802*	Wyoming			30132
Finland		11943	21111	Ivory Coast			56027*	Yugoslavia		50479	80828*
Germany	11923*	50528*	60886*	Japan	80800*	80803*	80807*	SEE ALSO Foresters; Forests; Log-			
60891*				80815*	80821*	80822*	80841*	ging; Lumbering; Reforestation;			
East Germany	11917*	21094*		80842*				Silviculture; UNDER Aircraft; Radio;			
102419*				Korea			16543	Youth; and SUBHEAD aid to forestry			
Greece			56040	Mexico			102377*	UNDER Government			
Hawaii			91633	Minnesota			50472	Forests		50451	73312
Illinois			75964	Missouri			91426	acreage and area		21116	30468*
India	30164	30165	50545	New Zealand			11902	administration			30160
Indonesia			80868*	Norway		40420*	40521*	Alabama			102401
Ireland			50531	Philippines			30122	Australia		30170	30171
Italy	11915*	21121*	40475*	Southern States			61454	50515	50541	60887	
50537*	51152*	80869*		Sweden		21388*	26638*	British Honduras			21083
Ivory Coast			50544*	Taiwan			2694*	California		91463	102407
Japan	30149*	30153*	30156*	Southern States	8504		80816	Cameroon			102408*
30157*	30162*	40447*	80864*	Spain	70906	11877*	80833*	Canada	40450	50520	60874
80878*	80879*	80884*		80834*	80835*	91424*	91425*	Ceylon			102409
Kenya			60893	study and teaching		2881	21079	Chile			11920*
Malagasy Republic			40449*	40433	50497	50502	50508	Colorado			91464
Mediterranean area			40443	50509	50510	60863	60864	Cyprus	11916	30147	102410
Minnesota		16714	50542	60866	60870	60872	80856	Czechoslovakia			30238*
Missouri		11895	40393	91451	2710*			Delaware			80862
Mozambique			61206*	Australia			50498	Europe			30146*
Netherlands			60895*	Austria	60871	11911*	21078*	Fiji			102411
Nevada			102414	bibliographies			102397	Finland	50535	50525*	70947
New Hampshire			70960	Brazil			91447*	Florida			30148
New York	35815	60899	80874	Canada	2711	50503	70935*				

\*Text of this reference is not in English.



Item				Item				Item			
Forests--Cont				Forests--Cont				Forests--Cont			
administration--cont				community--cont				drainage			
France	30161*	102412*		Sweden	40527*			2794*	30284*	21389	61300
Georgia		21085		Switzerland	12230*					71198*	
Germany	50527	80931		Virginia	91493			Canada			12113
30144*	60927*	70949*	70953*	conservation	40456			costs		12062*	81051*
102415*				80861	80877	40456		Finland	50783	40611*	50806*
Ghana		21086		as an occupation	67685*			71213*	81070*		
Great Britain	30150	80902		California	17250	76905		France			61325*
Idaho		70948		Canada	11912	80872		Great Britain			40106
India	102404	102405	102406	Czechoslovakia	16992	60877		Latvia		40609*	81006*
Japan	30154	11928*	30151*	history	70962	21089*		Norway		30323*	91551*
80863*	80865*	80867*		Minnesota		70965		USSR	50775	29460*	61088*
Kenya		30155		Netherlands		50540		71178*	71202*	102588*	102590*
Louisiana		91465		New York	21090	50611*		102598*			
Maine		30158		Norway	50534	40441		drainage equipment	81317	30323*	
Malaysia	30163	60876		Philippines		40452*		71200*	81294*		
Maryland		70954		policies and programs		80876		ecology	12172	18454	27415a
Mauritius		40446		Southern States		50514		27454a	37540	47610	47618
Mexico		70956*		Sweden		70798		58184	68398	68411	78006
Minnesota		91461		Switzerland	12190*	21084*		78007	78049	81010	83180
Montana		11925		terminology	21048	50532*		89037	99733	99785	552*
Nevada	102414			USSR	50526*	50530		9310*	27399a*	68336*	78765*
New York		40458		Venezuela		70952*		88988*	89015*	89022*	89030*
New Zealand		11926		conversion	80922	35950*		Africa			27408a
Nigeria	11927	21091	60885	Czechoslovakia		30275*		Alps		9316*	27421a*
Northern Rhodesia		40448		Germany		71172*		Argentina			58143
Norway	40453*	50547*	70958*	East Germany		80995*		Australia		47637	99812
Ohio		91459		Italy		40508*		Austria	27421a*	78022*	88996*
Pennsylvania		91462		mountain areas		50718*		Belgium			27443a
Philippines		50516		Taiwan		91524*		Bulgaria		9322*	9332*
Poland	80871	91456		USSR	40507*	102532*		California		50768	89055
South Carolina		50549		coppice	81031	102564*		Cameroon			68397
Southern Rhodesia		60892		71172*		30492*		Canada	9327	47645	99762
Spain		80880*		credit	2734	7672		Carpathian Mountains			47602*
Sudan		21095		30226	102468	60952*	102402*	Ceylon			37600
Surinam		30166*		cutover	50595	50596	71143	Chad			78019*
Sweden		30167*		102531*	102557*			Chile		58143	543*
Switzerland		40454*		cutting cycles		30196*		China		77991	58137*
Tasmania		80881		cutting systems	21491	50694		conferences and congresses			50816
Tennessee Basin		30169		71167	102831	50722*	71030*	78037			
Uganda		40457		Austria		12017*		Connecticut			78047
USSR		50526*		China		91515		Czechoslovakia			27427a*
Utah	70950	91460		Czechoslovakia		30508*		Ecuador			68370
Virginia		30152		Denmark		81033		Europe	9316*	27432a*	99754*
Washington		50552		Finland		50735		Finland			47651*
and agriculture		21057		Germany		2758*		France	9340*	27443a*	30297*
Australia		80817		Japan		40248*			47672*	68348*	89024*
Central America		102391*		Norway		30276*			99803*		
China	50982	50985		Philippines		71162		Germany	5194*	18414*	20381*
history		91636		Taiwan		102532*		23501*	37572*	47661*	78056*
Ivory Coast		35686*		USSR	81002	30277*	40571*	East Germany			9336*
Malagasy Republic		2869*		50690*	61041*	71124*	102541*	Greece			551*
Malaysia		56674		damage	4914	9035	21346	Hungary		40577*	58145*
Mexico	102377*			71300	40700*	50941*	71307*	Iceland			58181*
Mozambique		61206*		71310*				Illinois			77998
New Zealand	17001	91636		Austria		12150*	61201*	India			68341
Spain		40534*		California		71323		Indiana			89012
Sweden		61157		Canada	30434	102777		Italy		37552*	47626*
brush control				Czechoslovakia	12156*	30443*		Jammu and Kashmir			27428a
chemical	21216	21239	81037	Finland	50948*	61199*		Japan	58170	18413*	27435a*
California	21244	81042		France	21334*	21336*		27444a*	58157*	58175*	58203*
Finland		71190*		Germany	30440	12143*	12148*	89001*	99799*		
brush control equipment		12051		21337*	71304*	81212*		Maine			88979
81078*				East Germany		12162*	61194*	Mediterranean area			30297*
burning	21347	50772	50788	61203*	88610*			Michigan		27449a	47614
50790	50799	50800	50815	Hungary	2859*	50942*	88561*	Minnesota		550	9326
51000	51002	61062	61094	Japan	30442*	40702*	81205*	50761	88967	99753	
68410	71167	91553		81211*				mountain areas		27421a*	27438a*
California		50768		Kenya		61254		27443a*	78022*	78041*	99761*
Canada		102578		Malaysia		91616		Netherlands		27393a*	37608*
conferences and congresses				Mexico		40672*	81189*	47629*			
Minnesota	2867	50761		Montana		91619		New Jersey	535	27389a	27392a
99740				mountain areas		12144*		New York		591	68383
New Jersey		102572		Mozambique		61206*		New Zealand		27388a	47633
Nigeria		2793		Netherlands		81193*		68388			
Sweden	50708	30313*		Norway	30437*	40681*	40703*	Nigeria	37573	37574	68961
USSR		102602*		61191*	102693*			North America		95664	18467*
clear cutting		12018	21709	Pacific Northwest	40685	40697		Norway			27409*
40629	49938	50775	91526	40708				Ohio			105362
102812	30277*	40757*	50702*	reviews		71306*		Oregon		18415	68356
50883*	71152*	81009*	81263*	Southern Rhodesia		61186		Poland	576*	9337*	18458*
91534*	91687*	102511*	102528*	Southern States		81191		37581*	37601*	40301*	47642*
community				Sweden	61185*	61195*		47675*	58158*	61240*	77479*
Germany		50607*		Switzerland	81201	12152*		77994*	78062*	99798*	
Japan		2720*		50937*	50938*	102783*		Puerto Rico			78047
New Zealand		91486		Turkey		71357*		Rumania	562*	37556*	47656*
				USSR	61010*	102779*		89020*			

\*Text of this reference is not in English.

	Item			Item			Item	
Forests--Cont			Forests--Cont			Forests--Cont		
ecology--cont			history--cont			management	11992	30236
Scandinavia	99762	58153*	Germany			40516	60922	60923
South Carolina		561	East Germany		60848*	60934	60944	71014
Spain		18446*	Hungary		80792*	71056	80923	81028
Sweden	37604*	89042*	Israel		102384*	91483	94458	102441
Switzerland	9317*	88984*	Near East	21066	70920	30237*	40504*	50576*
88996*			New York		30098	71040*	80928*	60908*
Taiwan		68349*	improvement cutting	40569*	50701*	Argentina		2724*
Tatra Mountains		68361*	50714* 50747*	61030*	71127*	Arkansas		60960
Tennessee		9365	81011* 102871*	102876*		Austria	7983*	11958*
Tropics		574	in art	11885*	11886*	Bulgaria		80936
Turkey	71139	78073*	in literature	11894*	50468*	California		9325
USSR	9314*	9347*	in philately		70931*	Canada	21128	21131
27433a*	27438a*	37563*	influences	2304	2874	21137	50570	50600
42851*	47670*	58135*	21362	30456	40717	50610	50629	
78027*	88991*	89007*	50975	50979	50984	China		60965
99761*	99767*		61234	61241	71337	conferences and congresses		11946*
Venezuela		18473*	81236	81239	81240	Czechoslovakia	30209*	30219*
Wisconsin		18430	81247	81255--81258	91531	30223*	30238*	40505*
Yugoslavia		18427*	102818	12024*	21359*	40529*	71047*	40523*
88996*			30458*	40713*	46657*	Europe		50605
even-aged	9327	30255	71336*	71341*	-71343*	Finland	60932	70975*
50685	71086	2744*	78765*	102811*		71032*	71035*	71073*
30254*	50655*	71039*	Africa		91628	France	50972	11948*
81147*			Austria		50987*	50601*		30201*
fertilizers	11999	30342	California		71323	Gabon		50980
61223	71188	71207	Canada		12176	Germany	50602	50757
91550	20489*	49797*	Carpathian Mountains		50983*	60945	2785*	11887*
73323*	81083*		China	50982	50985	11959*	21132*	21133*
Austria		21217*	91631	91630*		30228*	40486*	40494*
Bulgaria		40601*	Finland		50988	40511*	50618*	60940*
Canada	61052	61074*	France	50972	91625	60948*	60956*	60961*
conferences and congresses		61061	21357*			80929*	80954*	81023*
Europe		21245	Germany	50980	91623	102443*		102442*
Finland		40611*	East Germany		61239	East Germany	11960*	11973*
Germany	2788*	2790*	12173*	50991*		11974*	40508*	80940*
2804*	12055*	12067*	Great Britain	50976	81259	102448*		
12076*	14291*	30335*	102820			Great Britain	21129	60935
42776*	61064*	83562*	Great Plains		2873	history	30222	17305*
East Germany	2798*	21185*	Hawaii		81244	80955*	102467*	
New Zealand		21247	Hungary		50977*	Hungary	12021*	21122*
Norway	61055	12060*	India	50971	81021	80825*	91488*	60954*
30312*	30343*		Italy		50973	India		11964
Poland		71199*	Ivory Coast		40715	Italy	21121*	40510*
Southern States		50820	Japan	71345	20929*	Ivory Coast		50544*
Sweden	12054*	91544*	61236*	81262*	81263*	Japan	30211*	30214*
Western States		91558	Kansas		81264	30220*	30221*	30218*
Yugoslavia		12044*	Malaysia		91535	40515*	40522*	50597*
finance		80926	Michigan		102812	60958*	102433*	60938*
France		102412*	Minnesota	21364	40724	Latvia		71065*
Germany		80929*	50974			Lithuania		71008*
Japan	80933*	80945*	mountain areas	30000*	30457*	Maine		50998
Poland	50616	50615*	New York		61232	Michigan	11971	80951
Rumania		40487*	New Zealand		50302	Minnesota		12041
Tennessee		80920	Poland	30455*	40301*	Mississippi		102459
USSR	102435*	102447*	64096*	91341*	91627*	Missouri		102829
grazing	12197	21367	Portugal		21365*	Morocco		30208*
61269	71358	93796*	Republic of South Africa		50966	mountain areas		60941*
Austria		12188*	research methods			New Zealand		50626*
Colorado		69547	statistical		61237	Norway	50638	40506*
Florida		14460	Rumania	50986	12168*	40520*	40521*	40733*
Georgia		3049	Scotland		12166	81014*		80924*
Germany			Switzerland		50967	Oregon		60947
East Germany	12186*	13598*	50970	61238	12169*	Pennsylvania		50640
51003*			Tennessee Basin		61243	Poland	50604	50616
Iceland		40727*	USSR	50978	71350	5445*	21197*	30455*
Idaho		102834	81252	81253	81260	60920*	60941*	60943*
Japan		91640*	91626	91632	2875*	61015*	71043*	71074*
Louisiana	61263	92294	12174*	12178*	21356*	Republic of South Africa		30222
Nevada		71353	30000*	30453*	40722*	Rumania		50625
Norway		40460*	50981*	71339*	71346*	South Dakota		80938
Oregon	12961*	61246	71349*	81235*	81254*	Southern States	71044	102436
New York		61257	91624*	91629*	102813*	sustained yield	80939	71019*
Southern States		69518	102817*	102819*	102821*	Sweden	21957*	30204*
Sweden		21957*	102823*			30232*	70961*	71007*
Switzerland	50997	11966*	Western States		49933	71028*	102458*	
Turkey		71357*	irrigation	102569	2815*	Switzerland		50606
USSR		91646*	71198*		12059*	11955*	11962*	11966*
Utah		71353	litter			21141*	30233*	50631*
history			5065	2193	2211	Texas		30206
Africa		91628	21353	29480	61046	Tunisia		40495*
Alaska		30129	71188	80135	81032	Turkey		71019*
California		70925	91565	2196*	2206*	USSR	71059	30283*
Central America		102391*	2250*	5064*	5194*	71029*	71033*	71041*
Finland		50573*	12020*	14362*	29544*	71046*	71058*	71064*
France	91625	91428*	39784*	40568*	42851*	71070*	71076*	71077*

\*Text of this reference is not in English.



Item				Item				Item			
Forests--Cont				Forests--Cont				Forests--Cont			
management--cont				national--cont				pest control--cont			
USSR--cont				Illinois				integrated			
102439*	102440*	102449*	102450*	Japan	11940*	30103*	75964	Japan		83541	
102451*	102453*	102455*	102456*	30227*	40522*	60938*	30149*	Louisiana		40687*	
102460*	102462*	102464*	102465*	80864*	80867*	80932*	80806*	Maine	14276	53029	42782
102471*				80944*	80947*	81052*	80933*	Malaysia			63694
Washington		50608	50636	Louisiana			81279*	natural		94451	63715
51008	71062			Michigan			30177	Netherlands			23405*
West Virginia			29658	Minnesota		2867	80951	Nevada			83575*
Western States		11972	50639	Nevada		23414	21414	North America			23414
Wisconsin			21139	Nigeria			40738	Pakistan			13983
Yugoslavia			11968*	Norway		40452*	60916	Poland	4912*	53050*	32816
maps		80964	80895*	Pennsylvania		51009	50547*	68207*			53051*
Japan		70980*	70989*	Poland		30191	81275	policies and programs			23414
Mexico			40586	60949*	80905*		50604	53038	105386*		
Mississippi			50586	Puerto Rico			11937	Portugal			73320
Southern States			71000	South Dakota			80938	reviews			61204
USSR			102429*	Southern States			91645	Rumania		4918*	14282*
mensuration	2741---	2754	11978	Sweden			50999*	situation and outlook			32909
11979---	12009	21129	21146	Tennessee			2865	Southern States			73312
21147---	21176	30243---	30272	USSR			71126*	Spain			53054*
40535---	40563	50645---	50688	Utah	12198	23414	40739	Sweden			12146*
50692*	60864	60973---	61007	75964				USSR	32902	63712	32920*
71080---	71122	80964---	80994	Washington		50552	50579	68088*	68089*	105349*	105389*
85051	91498---	91504	102432*	51008	61268	71062	91643	Utah			23414
102474---	102506			Western States			11972	Washington		14260	53043
research methods				Wyoming		23414	51007	83539			
statistical		21156	21159	ownership		40441	50487	Wisconsin			53013
30269	40553	71087		60930	60964	71075	50543	Wyoming			23414
71104	91499	11993*		Canada		21128	21135	Yugoslavia			83531*
12002*	12007*	40558*		Denmark			71026*	pest control equipment			63705
60988*	70991*	80973*		Finland		71035	71022*	pest resistance			14291*
80984*	80994*			71048*				pests	23345	23378	32895
mensuration equipment		21154		Georgia			11932	42754	63692	77630	42374*
21158	50679	60973	71095	Germany	21124*	40459*	102470*	94461*			23608
71098	80964	102475	2747*	Italy			21121*	Africa			14859
2750*	2754*	11987*	21163*	Japan		80944*	80947*	Australia		14827	73310
30263*	30264*	40546*	40562*	Michigan			80951	42779	53042	73310	73314
50671*	50674*	50688*	71082*	New Zealand			91487	Austria			12150*
71097*	71121*	80985*	80991*	North Carolina		50630	50641	California			42401
102491*	102498*	102499*		Norway		40488	30205*	Canada	27010a	32892	83571
mixed		30269	50699	Southern States		102420	102436	88570			
40680*	50871*	68524*		Sweden	26959*	30159*	91492*	China			94984*
Austria			50568*	Switzerland			50631*	Czechoslovakia	26999a*	63724*	
Bulgaria			102550*	Wisconsin			67008	83554*			
California			51042	pest control	14285	23398	32893	ecology	73501	94480*	105509*
China			102493*	42750	55446	23404*	32899*	Florida			23408
Czechoslovakia			50742*	73319*				forecasting		42751*	83537*
Denmark		2726*	2728*	Africa			73335	83554*	88561*	88610*	94477*
Germany	81155	21206*	30414*	Amrum			71309*	105351*	105380*		
61044*				Argentina			63717*	France			94486*
Great Britain			102522	Australia			37091	Germany		23412*	83562*
Poland			80970*	biological		94489	105384	Ghana		5129	73606
Switzerland			60989	23410*	83551*	94474*		Great Britain		61201	63689
USSR	63712	30283*	40582*	Canada			4910	83534			
50981*	71061*	71144*	102816*	Connecticut			42752	Greece			23091
multiple use	12185	21374	40742	Germany		14253*	53027*	habits and behavior		63717*	105659*
50993	60924	61270	67034	94482*				Hungary			88561*
71354	71356	78049	81274	Israel			105364*	identification			63960*
81293	40733*	71355*		North America			53011*	Illinois			83566
California			91637	USSR	14269*	42722*	63699*	Japan		83556	95504
Germany			40734*	105383*				40693*	42794*		
Hawaii			91633	California		63695	88568	Michigan		23411	32896
Maine	2880	61259	91639	88569				Netherlands			23383*
Montana			12191	Canada		23400	94478	New England States			4922
Netherlands			30462*	chemical	23416	42767	53031	New York		77607	99243
New Jersey			61249	63705	83180	94451	94458	North Carolina			83560*
New York			61257	94489	105078	53035*		Northeastern States	4919		63727
New Zealand			91636	Canada			53022	Norway			63702*
Ozark Mountains			61252	China			105388*	outbreaks			
Pacific Northwest	81278		91644	Germany		23348*	63691*	Austria			23392*
USSR			102832*	99170*				Canada			23400
Washington			51008	New York			53038	France			105391*
Wisconsin			102828	Ohio			105362	Germany		4917*	14291*
names			40400	Poland			73326*	73324*	83546*		
national	2877	2885	12197	USSR	53044	42772*	53039*	India			53017
12317	16979	21354	30128	105377*				Japan			42795*
30466	30467	50521	50993	conferences and congresses		53043		Poland		53052*	83548*
60898	61245	71354	71358	cultural		53045	105376*	Southern States			14261
101040				Denmark			14258*	USSR			105358*
Canada		21137	50520	Germany	42776*	83572*	88591*	Yugoslavia			63698*
Chile			11920*	East Germany		14279*	27003a*	Poland	4901*	5445*	42784*
Denmark			71015*	50936*	63714*			53033*	53035*	105659*	
Finland			50535	Great Britain			4904	situation and outlook			32915
Germany		30142*	30143*	history			23384*	53014	94488	73322*	
East Germany		11973*	11974*	Hungary			94469*	Southern States		8962	73307
Idaho		23414	51006	Idaho			23414				

\*Text of this reference is not in English.

		Item			Item			Item
Forests--Cont			Forests--Cont			Forests--Cont		
pests--cont			protection--cont			regeneration--cont		
surveys		14273	Czechoslovakia	2856*	12142*	history		21321*
Africa	63707	73302*	30438*			Hungary		50843*
Canada	14280	105394	France		40688*	India		30364
Netherlands		83543*	Germany	30440	50934*	Lake States		81103
Oregon		94490	East Germany	12151*	27003*	Maryland		81132
USSR	21344*	53040*	61205*			Michigan		81178
63953*	73303*	73311*	Hungary		50942*	Mississippi		21286
105360*	105399*	105409*	Japan		30442*	Morocco		61140*
Western States		83573	Kenya		61254	New Hampshire		30388
Yugoslavia	32905	73336*	mountain areas		12144*	New Jersey	21289	50900
105373*	106067*		Norway		40692*	New Zealand	27388a	102660
planting	50927	81282	Philippines		80876	Nigeria		21287
71170*			Poland		40690*	Norway	12961*	21257*
Denmark		71285*	Southern States		12154	27409*	30230*	30357*
desert areas		21272	Switzerland	21342	40695	30360*	30399*	40626*
direct seeding	12085	40674	50940*			Oregon	30367	30372
61111	12087*	40653*	Taiwan	2857	2715*	Poland		91604*
California		12115	protection equipment	50946*	61205*	Portugal		91595*
Georgia		2823	pure	21360	40719	research methods		
Hungary		61132*	50699	50984	71208	statistical		81147*
Italy		21317*	81155	91505	21360*	Spain		91583*
Lake States		21307	50655*	71039*	71110*	Sweden	61158	30416*
Michigan		71229	81267*	102816*		102749*		47362*
Mississippi		50919	recreational use		2877	Taiwan		2832*
Northeastern States		12071	2885	12181	12196	Turkey		71276*
Oregon		30429	21370	30466	40726	USSR	71279	21248*
South Carolina		21314	40730	40741	50994	30354*	30381*	30398*
Sweden		50885	61245	61250	61266	40648*	40653*	50858*
Switzerland		61121	102833	102837	102839	50905*	50910*	61041*
Taiwan		40679*	102824*			71284*	71286*	71294*
USSR	102775*		California	40740	71351	102557*	102614*	102678*
West Virginia	61173		81272	81273	81280	102755*	102770*	
Wisconsin	81169		Canada		50995	Vancouver Island		12089
Germany	50891		conferences and congresses		30464*	regeneration cutting		50692*
East Germany	12118*		Denmark		30461*	resources	21115	91472
Great Britain	40624*		Eastern States		61267	102870	21117*	50582*
India	21297		France	12183*	61261*	Africa		51028
Ireland	40624*		Germany	12194*	21372*	Alabama		80916
Japan	81126*		Hungary		61262*	Argentina		40463
Middle Western States	30390		Idaho		61247*	Australia		40479
mountain areas	29977*	30008*	Indiana		51006	Black Hills		80911
Netherlands		71275*	Japan		81279*	Burma		71574
Norway	30229*	30230*	Lake States		81271	Canada	9693	21113
102693*			Louisiana		61258	26639	50570	11938*
Poland		53035*	Maine	2883	40728	91654*		50592*
Portugal		2815*	71360	91639		Chile		40463
statistics		50924	Massachusetts		91497	China	50572	80914
Sweden	12114*	30353*	Netherlands		30200*	Colorado		80910
USSR	81125	29977*	30463*	40736*	60895*	Connecticut		80903
30034*	40331*	40607*	Nevada		40738	Corsica		50567*
planting equipment	12071	61156	New York		40441	Denmark		71026*
30412*	71275*	81116*	New Zealand		12182	Estonia		2722*
81177*	102625*		Ohio	17000	102827	Finland	11943	30182
private	50996	61250	Pennsylvania		51010	21112*	60905*	70973*
Belgium		60908*	Pocono Mountains		61271	71018*		70975*
Finland	60932	71022*	Poland		81270*	France		30124*
France	11948*	11949*	research methods			Gabon		89024*
Georgia		11932	statistical		12187	Georgia		70976*
Germany	11933*	21100*	Scotland		81276	Germany	21106*	30085*
80888*	80889*		Sweden		50999*	60906*	60912*	
Great Britain	11965	80789	Switzerland		12190*	Great Britain	50593	60913
80948	91482		Taiwan		12195	60915	30190*	
Japan	30211*	30213*	Utah	12198	40739	Hawaii		30184
30220*	30231*	80935*	Virginia		51001	Iceland		21104*
Michigan		80951	Washington		50608	India	21297	30192
Montana		12158	Wisconsin		67008	Italy	91477	12002*
Netherlands	30460*	50611*	Wyoming		51007	Japan	30188*	50585*
50633*			regeneration		40620	80917*		
New Zealand	12016	91469	71249	71271	12087*	Korea		41016
91487			30380*	40621*	50777*	Lithuania		21114*
Norway		30178*	Argentina		81156*	Malawi		40477
Pocono Mountains		61271	Australia		61127	Malaysia		50591
Poland		60943*	Bulgaria	30403*	81151*	Mexico	50583*	80918*
Scotland	11944	50594	California	81112	91635	Minnesota		50581
Sweden	30204*	30216*	Canada	21260	27010	Mississippi	50586	50587
76470*			30362	40573	50847	91473		
Virginia		51001	91516	102627	102688	Missouri	11895	11939
protection	50932	12145*	China	50555	50920	30181	40393	30180
81196*		30445*	102769*			Montana		30187
associations	21339	102781	Czechoslovakia		50742*	New England States		91654*
12149*			Denmark		81033	New York		60899
Austria	21338*	61201*	Finland	42774*	71265*	New Zealand	39881	40996
71308*			81130*			91480	102427*	
bibliographies		12141	Germany	50848	50877	North Carolina		50588
California		91618	81155	30414*	61167*	Norway	30178*	30186*
Chile		71301*	East Germany	21252*	2817*	Oregon	11922	12203
					12138*	60904		40480

\*Text of this reference is not in English.



Item			Item			Item		
Forests--Cont			Forests--Cont			Forests--Cont		
resources--cont			sites--cont			soils--cont		
Papua and New Guinea	50577		Malaysia		91616	Nigeria		2168
Philippines	50554		mapping	2753*	12009*	North Dakota		20522
Poland	30195*	40472*	40537*	71141*	91536*	Norway	11264	21214*
71115*			Minnesota		9326	Oregon	12018	70370
Republic of South Africa	30183*		mountain areas	2789*	21188*	Ozark Mountains		61252
Rumania	50564		New Hampshire		30388	Pacific Northwest		11808
Scandinavia	17555*		New York		50842	Poland	2296*	49817*
Scotland	80901		Poland		77994*	77994*	90983*	
South America	50580		preparation	40600	50771	Portugal		39641*
Southern States	71000	102430	71204	71206	102764	Pyrenees		70297*
Spain	80897		California		81112	Rumania	2783*	71153*
Sweden	40465*	50578*	Canada		50787	Scotland	61011	81020
Switzerland		50716*	costs		81075	Sweden		50708
Tatra Mountains		40466*	Georgia		102601	Switzerland		50970
USSR	21109*	30194*	Germany		30328*	Tropics		2778*
70992*	70994*	70995*	East Germany		81059*	USSR	81002	11374*
70998*	70999*	71001*	Poland		50764*	20564*	29440*	29460*
102425*			South Carolina		81171	30453*	39784*	39841*
Utah		21392	USSR		40565*	42851*	49716*	50745*
Vietnam	80907	50575*	Wisconsin		50793	71178*	71202*	80000*
Virginia		50589	preparation equipment		50801	91528*	102557*	102579*
Washington	35721	40480	12075*	12095*	30329*	Vermont		79935
Western States		49933	40607*	40615*	50814*	Washington		61048
Wyoming		91471	81063*	102565*	102591*	Wisconsin	50793	80185
Yugoslavia	30179	60909	research methods			Wyoming		11827
salvage cutting	40685	60497	statistical		61047	Yugoslavia		63698*
61010*			Switzerland	12169*	50716*	spraying and dusting	13998	63690
sanitation cutting		68207*	Taiwan		2765*	105078	47061*	
school	36671	40439	Tropics		71125	state		
seed tree	51042	91564	USSR		102518*	California	12115	80791
selection	30265	21360*	Wisconsin		81209	Michigan		80951
California		51042	small scale		11960*	Minnesota		50542
Czechoslovakia		30209*	soils	2195	2203	New Jersey		61249
Finland		50735	11323	11420	21415	New York	30098	40441
Germany	12004	50757	28047	29480	39660	40458		
30299*	40719*		40683	50734	50771	Virginia		30152
Ghana		71155	61023	61035	70331	statistics		6256
Hungary		50725*	71167	71188	79924	Alabama		74534
West Virginia		50817	81027	91520	91590	Austria	64910*	64911*
Yugoslavia	11968*	71113*	981*	2772*	5632*	85049*		
selection cutting	91526	40569*	12024*	20489*	30282*	China		91481
40585*	81014*	102525*	50801*	70428*	80097*	Denmark		15486*
shelterwood	21709	91526	94480*			Germany	6242*	60940*
50705*	50736*	50737*	Belgium		29533	East Germany	15488*	34197*
102515*	102525*	102546*	Bulgaria	40026*	40601*	Ghana		34202
102614*	102869*		101883*			India	50590	54401
sites	50930	12019*	Canada	9327	20397	Indonesia		24571
71152*	78570*	81083*	Carpathian Mountains		47602*	Italy	6244	21110*
102561*			Chile		73469*	Japan	85057	30189*
Austria		91518*	China		102530*	74546*		64931*
China		102513*	Congo		2222*	Korea	15491	96242
classification	30273	50707	Czechoslovakia		43377*	Luxembourg		60907*
60987	60997	21199*	Denmark	11337	21192	Mississippi		50587
40560*	40588*	71132*	Eastern States		40572*	Netherlands	30185*	60910*
102543*			Estonia		11946*	New Zealand	6249	71004
Canada		102480	Finland	50689	50806*	85061		
Czechoslovakia		11996*	France	9340*	11237*	North Carolina	40481	40482
Germany		81001*	68348*			50588		
East Germany	21185*	12006*	Germany	50980	60249	Norway		70993*
Great Britain		40580	91623	2784*	2803*	Pakistan		24577
Kenya		80983	21206*	21215*	29501*	Poland	15496	74553*
Lapland		50755	30335*	40588*	50756*	Rumania	15498	50564
Louisiana		91468	60201*	60265*	61056*	Ryukyu Islands		106742
Missouri		12030	61095*	81015*	81026*	Spain	40478*	44114*
mountain areas		81237*	105509*			Sweden		30193*
Netherlands		30248*	East Germany	11254*	21185*	Switzerland	50584*	91478*
New Jersey		81022	81059*			Tennessee	40483	40484
New York		81024	Ghana		49688	Trinidad and Tobago		85074
Northern Rhodesia		50743	Great Britain	2236	40106	Virginia	40483	50589
Poland		71161*	61028	81113	101777	Washington	21355	91474
research methods			Hungary	29983	50710	91475		
statistical	71088		80792*			suburban	81028	81265
Rumania	71153*		Illinois		80148	81282	80955*	102422*
Scandinavia		80982	India		81021	conferences and congresses		78037
Southern States		50697	Italy	20542*	49885*	surveys	294	11992
USSR	40549*	102495*	70313*			50648	50656	60902
Washington		61048	Japan	11423*	29587*	70923	70979	71014
Finland	21210*	80937*	81263*		40339*	50576*	71082*	40471*
Germany	50980	12040*	Malaysia		91535	Alabama		80916
30289*	57485*	61034*	Minnesota		12041	Argentina		40473*
102563*		80909*	mountain areas	29587	29440*	Austria		50568*
East Germany	2798*	81009*	43377*			British Guiana		40470
Ghana		71155	New England States		14821	Canada	16992	60911
Hungary	21201*	40577*	79956			Colombia		80178*
		61042*	New Jersey	535	81022	Colorado		80910
			New Zealand		12083			

\*Text of this reference is not in English.

	Item			Item			Item	
Forests--Cont			Forests--Cont			Forests--Cont		
surveys--cont			types--cont			wildlife relations--cont		
Finland	30182	50565	Rumania	71160*	71590*	Great Britain		81266
21107*	21108*	21111*	Southern States		71000	Hungary	12180*	21369*
50672*	70977*		Sudan		71140	Japan		30442*
France		70991*	USSR	27438*	30354*	Kenya		61254
Germany	50571*	80909*	50721*	50745*	68382*	Maine		61272
East Germany		102424*	70998*	71064*	71126*	Massachusetts		21373
Great Britain		80904	71164*	71168*	89007*	Minnesota		40729
India		50590	102471*	102510*	102518*	Montana		2882
Japan		80912*	102524*	102527*	102529*	Netherlands		81193*
Maine		30242	102539*	102547*	102549*	New Zealand		91642
Malaysia		50591	102564*			Norway		30437*
Mexico	71002*	71085*	West Virginia		91509	Pennsylvania		61265
Minnesota		21116	underplanting		71274*	Rocky Mountains		61260
Northeastern States		21105	uneven-aged		71091	Sweden	61185*	61195*
Norway		50565	12001*	30270*	61002*	Switzerland		21368*
research methods			valuation	60933	30964	USSR	40731*	61264*
statistical	70978	80977*	40492*	71025*	71039*	81200*	102835*	102836*
reviews		71003	Austria		21120*	Venezuela		40737*
South Carolina		80918	Denmark	2727*	30256*	windfall	2854	40683
Sweden		50565	Finland		71031*	42794*	50931*	94450*
Taiwan		80913*	Germany	2725*	12004*	yields	40579	50699
Thailand		40467	21123*	30197*	40485*	71056	71107	81167
USSR	91479	11942*	50613*	60936*	60937*	71020*	71072*	71170*
70974*	70996*	80894*	60955*			Bulgaria		102550*
102469*	102496*	102779*	East Germany		11973*	Canada		60911
taxation		70969	Hawaii		2723	Czechoslovakia	2746*	30210*
Austria		108155*	Italy		50603*	71047*		
Canada		21135	Japan		91490*	Denmark		71015*
Chile	30175*	50557*	Norway		50667*	Finland	71013	70973*
European Economic Community		91467*	Philippines	50595	50596	Florida		91484
Finland		50560*	research methods			France		11979*
Georgia		11932	statistical		60931*	Germany	91623	2803*
Germany	11931*	11933*	Sweden	50627*	71045*	12004*	21100*	40486*
40461*	45531*	56146*	Switzerland		21120*	80909*		80957*
80885*	80888*	60900*	USSR	30260*	61002*	East Germany		80904
Italy		11935*	102469*	102478*	71061*	Great Britain	21129	91488*
Louisiana		91468	weed control			Hungary		71065*
Minnesota	30177	50559	bibliographies		61063	Latvia		71150*
New Zealand		91469	chemical	49426	102582	Lithuania		30248*
Oregon		60947	Finland		50810*	Netherlands		50667*
Sweden	70972*	80887*	Germany	2800*	40617*	Norway	30360*	81011*
Switzerland	30176*	80886*	East Germany		81047*	Poland	71043*	
Texas		60901	Iceland		61089*	research methods		
thinning	12068	21439	Israel		102586*	linear programming		60992
30339	61084	91543	Japan	81035*	81052*	statistical	91502	21140*
61091*	71170*	71183*	Netherlands	30317	2809*	80988*		
102544*			50818*	71209*	-71211*	Rumania		2755*
conferences and congresses			Norway		21221*	Scandinavia		71013
81074		91539	Pakistan		30325	Switzerland		11961*
Denmark		61080	Poland		71185*	Taiwan		102492*
Finland		71189*	South Dakota		81045	USSR	50721*	50747*
Germany	50821	61053*	USSR	50808*	102567*	60963*	71033*	71041*
East Germany		102600*	102581*		102579*	71046*	71077*	71158*
Hungary	50776*	50843*	Germany		50804*	102432*	102440*	102500*
Japan		81076*	East Germany	12070*	21243*	SEE ALSO Experimental forests;		
Latvia		102574*	27003a*	40602*	81040*	Farm woodlands; Forest fires; Forest		
Netherlands		81077*	81041*			insects; Land, clearing; Rain forests;		
New Hampshire		30332	Great Britain		40599	Reforestation; Tree farms; Trees;		
New Zealand		21220	Hungary		50843*	Wilderness areas; Wildlife; Wood;		
Norway		50474*	India		50778	names of forests; and UNDER Nur-		
Republic of South Africa		40610	New Hampshire		30332	series; Photography, aerial; Rail-		
91546			South Carolina		21242	roads; Roads		
Taiwan		50797*	Wisconsin		50793	Forficula auricularia	32584	52975
two-storied		71170*	Yugoslavia		2795*	33496*		
types	18454	61038	weed control equipment		12051	Forficulidae		52975
81010	50684*	102543*	81080*			Formaldehyde		
Alaska		12459	wildlife relations	21333	50927	disinfectant		37245*
Brazil		12015	61253	61255	91642	effects on bacteria		12569
California		91635	102831	2878*	30465*	effects on barley		58447*
Canada	40573	102521	80870*	80873*	80875*	effects on corn		16074*
China	102431*	102513*	80899*	80900*		effects on cotton		34535
Czechoslovakia	2791*	102530*	Arizona		91641	effects on Drosophila melanogaster		5319
50742*		12029*	Austria		61248*	effects on fibers	25172	54830
Finland		61027	bibliographies		12141	85577	107141	107152
Germany		21179*	California	12192	61244	effects on viruses	12603	92930*
Hungary		50749*	91635			effects on wood		30605
India	21178	68342	Canada		21345	fungicide		99275
Italy		40510*	conferences and congresses			in feed processing		72850
Jammu and Kashmir		102559	Czechoslovakia		50992*	in maple sirup and sugar		86497
Latvia		81003*	Finland		21366*	in milk		85266*
Minnesota		9326	France	21334*	71352*	reviews		96492*
New Jersey		27389	Georgia		51004	in tanning		75658*
New Zealand		68368	Germany	12184*	40732*	in textile processing		107159
Norway		21189*	102825*	102826*	81267*	in veterinary medicine		32466*
Poland		80970*	East Germany	12193*	51003*	nematocide		13740
			51011*					

\*Text of this reference is not in English.



	Item			Item			Item	
Formaldehyde--Cont			Fowl cholera--Cont			Fraxinus		
therapeutic use			treatment	32022*	93377*	anatomy and physiology		91614
vaccines	3549	4213	turkeys			breeding		102615*
12547*	22630*	51547*	USSR			culture	40586*	81607*
92094*	104928*		vaccines	4139	13532*	diseases		26983a*
Formaldoxime		79048	32002*	104453*	104454*	ecology		11355
Formalin SEE Formaldehyde						fungus diseases	47366	88690
Formates	19417	23646	Fowl paralysis SEE Lymphomatosis			Great Britain		36804
105693			Fowl pest			pest control		105374*
Formic acid		91850*	eradication			seeds		102615*
Formica			Great Britain			Sicily		61515*
anatomy and physiology		53438*	turkeys			soils		11355
feeding habits		105877	vaccines	103330	82586*	USSR		71064*
habits and behavior	5454	53432*	virus	22660*	30998*	varieties		10876
84075*			104427*			wood	40586*	81607*
Switzerland	23389*	23794*	SEE ALSO Duck plague			Fraxinus americana	30388	61139
Formica cinerea		14789	Fowl plague SEE Fowl pest			91565	102666	
Formica forsslundi		14789	Fowl pox			Fraxinus angustifolia		
Formica nigricans	64161*	105390*	immunization	13559	41261*	growth		71110*
Formica obscuriventris		73777	62859*	72156*	93299*	measurement	50653*	71110*
Formica opaciventris		23804	prevention			seeds		12136*
Formica picea		14789	vaccines	13497	31964*	wood		81578
Formica polycetena			62779*	93299*	104424*	Yugoslavia		50653*
cytology		84103*	virus	4176	104387	Fraxinus biltmoreana SEE Fraxinus		
digestion		95305*	Fowl tick SEE Argas persicus			americana		
habits and behavior	14807*	23782*	Fowl typhoid	52296	93214	Fraxinus excelsior		
23783*	95296*	95323*	causes			anatomy and physiology		69117
metamorphosis		84103*	control	62801	82644	102650		
parasites		5214*	diagnosis			seeds	21291*	30361*
tagging		64161*	India		31942	soils	102650	50756*
Formica rufa	33328	95298	prevention			wood		41159*
105383*			rabbits			Fraxinus mandshurica	91560	37941*
Formica rufa group		14784*	resistance			81140*		
bibliographies		53428*	vaccines	4164	93358*	Fraxinus nigra		12355
Formica sanguinea	33328	73739	Foxes			Fraxinus pennsylvanica	71165	99924*
Formicidae SEE Ants			as pests	22697	82869	Freemartins	41664	63058
Formicinae SEE Ants			breeds		3933*	Freesia		29002*
Formicoidea SEE Ants			control		82865	anatomy and physiology		27941
Formin SEE Methenamine			cytology		41801	48205*	78337*	
N-Formyl-N-hydroxyglycine		78799	feeding and nutrition	72456	104065*	culture		20087*
Fornax		53253	genetics		41801	forcing		39230*
Forst Viton		63708*	insect food		82869	hybrids		27941
Forsythia		37341*	poisoning		23032	varieties		39229*
Forsythia intermedia		39553*	SEE ALSO names of anatomical parts,			weed control	39502*	39504*
Forsythia japonica		88318*	body fluids, diseases and other			Freesia refracta		89405*
Foschior R-50		105179*	pathological conditions, operations,			Freezing of food SEE Locker plants; Re-		
Fosferno SEE Parathion			parasites, pests, and products			frigeration; and SUBHEADS dehydro-		
Fossils SEE Paleobotany; Paleontomol-			Foxglove aphid SEE Acyrthosiphon so-			freezing; freeze-drying; freezing; fro-		
ogy; and UNDER specific subjects		57683*	lani			zen UNDER Food and names of com-		
Fossombronina longiseta			Foxtail SEE Alopecurus			modities		
Foul foot SEE Foot rot			Foxtail millet SEE Setaria italica			Freight cars	7001	25602
Foulbrood	32937*	73338*	Fractures			44933	96148	25659
American			cats		82381	sanitation		14249
Australia	14324	14330	cattle	72130	103638	SEE ALSO Refrigerator cars		94449
Bulgaria		94495*	41418*			Freight rates	24443	25659
causes	63781	105437	dogs			44832	44925	46424
control	42820	105438	treatment			67378		55244
treatment		5008	13226	22359	3832	Fremontia		1840
83644	94567*	32959	62521	92714	31630	Frenkel's technique		81704*
Australia			3853*	22355*	30866*	Freund's adjuvant		77898
control	53076	105425	52009*	52010*	72385*	Friedmannia n g		46950
73380*	73388*	105458	104034*			Friedman's test		31668*
European	14324	23432*	goats			Frightening devices for birds		17996
42816*	73439*	32946*	horses	72130	104141	57765	47137*	57784*
causes	105414	63750*	104143	3972*	13387*	Frit fly SEE Oscinella frit		
control	42820	73433*	treatment		3985	Fritillaria	36813	77396
94536*	105461*	83595*	72483	92924	104115	Fritillaria camtschaticensis		58287*
treatment		32959	3960*			89001		67850
83599*	94562*	83598*	pinning			Fritillaria meleagris		48173*
treatment		73356*	treatment	12650	103209	Fritillaria tenella		78133*
SEE ALSO Sacbrood			30866*			Frogs		32626
Fouquieria fasciculata		17743*	Fragaria			Frontal sinus SEE Nasal sinuses		
Fouquieria splendens		100347	Fragaria vesca SEE Strawberries			Frontier theory	45945	45949
4-CPA		39497	Fragaria virginiana SEE Strawberries			Frontopsylla setigera		64289
4-(2,4-DB)	13012	28026	Fragilaria	88469	36956*	Frost SEE Cold		
72227			Francaiellosis		103615*	Frozen desserts		96386*
4-(2,4,5-TB)		12052	Frangula SEE Rhamnus			analysis and composition		15657
Fowl cholera	22610	72530	Frankincense		26011	bacteria		65086*
93377	93398	30919*	Frankliniella		83491	flavoring		85432
72633*--72635*		31924*	Frankliniella occidentalis		23275	ingredients		6511
control		13485*	42575			manufacture	6497	107030
Bulgaria		62818*	Frankliniella parvula		5617	marketing		25021
Hungary	62780*	62839*	Frankliniella tritici	73284	83488	sanitation		74857
South Dakota		4139	Franseria		9491	Fructofuranose		1024
ducks		13500*	Frantin SEE Bephenium hydroxy-			Fructofuranosidase		19363
immunization		104454*	naphthoate			Fructosans	47225*	59002*
mice		31723*	Fraser balsam fir SEE Abies fraseri			Fructose		
rats		31723*	— Fratrhenoticus n g		5130*	chemistry	15630	55894
transmission	32461*	104449*						

\*Text of this reference is not in English.

		Item			Item			Item
Fructose--Cont			Fruit--Cont			Fruit--Cont		
in apples		6738	canned--cont			cooperatives--cont		
in Jerusalem artichokes		1323	chemistry		96812*	Austria		107280*
89905*			containers		15996	California	44636	65480
in plants	84802	89438	contamination	55097	65529	conferences and congresses		65500
in potatoes		54987	flavor and odor		55097	Florida		65482
in poultry physiology		22617	France	44779*	75337*	France	15974*	34739*
in semen	3358	31124	grading and standardization		75264	107277*		
82886	12811*	71914*	Great Britain		25463*	Germany	55068*	65484*
in semen dilution		81985	Japan		85807*	96838*		85770*
in sheep physiology		32289	judging		75280	Great Britain		75237
manufacture		55890*	marketing	6875	65512*	Italy	25395	25392*
D-Fructose		74582	65513*			75229*	106763*	
Fructose-6-phosphate		100645	nutritive value		46474*	Japan		25425*
Fruit			policies and programs	6892*	25459	Netherlands		85766*
acreage and area			prices		34777	Poland		65501
Australia	34214	45807	regulation and inspection		65533	Washington		75241
California		107407	Republic of South Africa		6875	Western States		6783
Germany	65649*	107405*	situation and outlook		15950	costs and returns	64476	65565
Netherlands		34848*	16052	25474	75311	87194*		
USSR		45897*	Spain		107350*	Australia		45807
advertising	6798	6805	statistics		96882	Denmark		66928*
associations		65509	sterilization	34828	55142*	Europe		65569*
Belgium		34738*	tests		34711	France	85814*	107234*
Europe		65487*	trade			Germany	7921*	35885*
France		96826*	France	46370*	108819*	66936*		
Germany		65489*	Rumania	16052	57028	Great Britain	16885	26929
Illinois		85761	USSR		6701*	Michigan		76418
Washington		55066	canning		55129	Netherlands	26930*	26949*
analysis and composition		15925	Great Britain		65572	35921*	45885*	
24371	25354	34695	home	107332	65617*	New York		45907
34701	34702	44601	Japan		96880*	Poland		35893*
44607	54983	55018	Republic of South Africa		96812*	Sweden		16896*
75193	75200	75211	USSR		55166*	USSR	45897*	97993*
25371*	25375*	44608*	care and handling	34755	34824	108539*		108523*
54990*	75221*	84794*	44739	44750	85769	Washington		7969
85718*	85724*	107245*	107368	65629*		credit		56104*
anatomy and physiology		919	Australia	65609	44744*	culture	969	20247
925	969	1008	conferences and congresses	44772		49033	69703	77539
9669	9768	9990	France	65492*	107352*	79461	90274	101445
27998	28240	38070	107389*			10613*	19764*	68064*
38140	38189	47962	Israel		6915	Argentina		38965*
47983	47986	48192	Lebanon		6915	Australia	10646	28802
58832	58847	68900	Netherlands		10606*	69704	80490	
89341	89351	100335	care and handling equipment	16048		Belgium	10614*	49042*
1126*	1171*	1274*	53753	74098	85846	101124*		
9917*	10010*	18806*	106325		96828	Bulgaria		90288*
18924*	19041*	27926*	chemistry	65579	75205	California		101113*
28209*	38077*	38155*	75203*		75216	Canada	10676	57835
48039*	48346*	48386*	cleaning		96879*	38989	59493	88625
49732*	58530*	58562*	coatings			Central America		1730
58706*	58794*	58837*	reviews		85873	China	49035	38984*
78341*	78806*	89355*	color	9808	34760*	100148*		
89579*	89691*	89738*	conferences and congresses		96796	conferences and congresses		69688*
100338*	100454*		Canada	19765	59499	Corsica		101125*
associations	15919	15920	Connecticut		49037	Czechoslovakia	79428*	90283*
44575*	85708*		France	38942*	101115*	Denmark	1723*	10608*
Austria		69690	Idaho		96779	Europe	1732	10596
bacterial diseases	433	47446	Massachusetts		65412	38971		
Bulgaria		77860*	consumer preferences		6764	France	101204	10586*
California		27266a	6805	44628	75234	19754*	28800*	28871*
Chile		68247*	Germany		85747	79443*	90269*	90282*
control		47437	Japan	34717*	65489*	Georgia		99149*
Great Britain	9182	77668	Nevada		44630	Germany	19774*	38972*
Italy		77856*	Switzerland		6767	69695*	69711*	79434*
biennial bearing		969	consumption		44623*	90280*	101120*	88587*
biochemistry		1352	Australia		54954	East Germany		10603*
6930	10195	59093	Belgium		45807	Great Britain	1720	38988
65636	65635*	65620	Germany	75248*	107263*	49039	79432	90267
Brazil		44560*	Great Britain		107288*	101286		
breeding	1779	19757	Japan		15939	Hungary		39088*
68649		38966	Netherlands		25379*	India		69691
Belgium		28770*	Yugoslavia		6769	Indiana	28813	68065
bibliographies		1724	containers	44715	55109	Italy		
California		68280*	6838*	55107*	65557*	38973*	59486*	59491*
Czechoslovakia		79428*	contamination		25354	69709*	90266*	101109*
Denmark		59502*	44603	55097	75189	Japan	19085*	19768*
France	101130*	101132*	75193	75200	75211	27036*	28795*	28810*
Italy		69696*	85787	85794	6819*	35501*	69683*	69700*
Mozambique	28424*	69360*	44704*	54982*	54990*	79445*	90278*	
Rumania		10598*	63608*	65532*	84794*	Lithuania		28797*
Spain		49048*	96860*			mountain areas		28813
Sweden	38978*	59500*	cooling	6916	16024	Netherlands	1783*	19775*
USSR	78306*	78323*	34801	65629*		19840*	20157*	20784*
90279*		79433*	cooperatives	55031	65468	101135*		
candied		107356	65503--	65505	65516	New Jersey		28788
canned		6827*	107286*		85747	New Zealand	10599	19753
analysis and composition		85716*				69689	101111	

\*Text of this reference is not in English.



	Item				Item				Item		
Fruit--Cont				Fruit--Cont				Fruit--Cont			
culture--cont				drying equipment	25487*	34820*		fungus diseases--cont			
Norway	10587*	10610*	79446*	dwarf	49051	59508	69686	Bulgaria			88786*
Ohio			28803	59482*	59484*	59488*	101117*	Canada			47302
Oregon			28814	New Jersey				control	6825	47268	58016
Peru			38974*	Oregon			38987	77745	77822	88728	379*
Poland	17945*	69707*	79097*	USSR	59483*	59489*	59496*	27081a*	27092a*	27206a*	77734*
90296*				59497*				88843*			
Portugal			101131*	Washington			1804	Australia			68019
Puerto Rico			19805*	ecology			554	biological			88843*
Rumania	1718*	1727*	1728*	enzymes			55099*	California			37301
1734*	19752*	27290*	28787*	equipment				Canada			77750
38985*	49034*			Germany	15256*	43542*	106218*	chemical			99327*
Surinam			79439*	106403*				Denmark			57925*
Sweden	1224*	10602*	10611*	East Germany			64372*	France	57905*		57923*
28777*	38944*			Hungary			5739*	Idaho		361	37324
Switzerland		1731*	10609*	Japan	33810*		33811*	Italy	341*	18120*	27081a*
69959*				Lithuania			33596*	27158a*		27233a*	99354*
USSR	17962*	19772*	20785*	Netherlands	43468*		95716*	Japan			27236a*
20801*	28785*	28796*	28806*	95717*				Netherlands			57969*
28820*	30007*	59483*	59484*	USSR		33668*	106261*	Norway			88718*
59488*	60561*	69705*	81238*	espalier	1773*	19758*	59496*	Poland			27092a*
90292*	101108*	101117*	101118*	101116*				Sweden			88679*
101136*				farms				Switzerland			37264*
Washington	47962	249	276	Germany	15036*	65658*	66976*	Yugoslavia			99464*
Western States			2303	86957*	86998*			Denmark			27206a*
Yugoslavia	68983		49041*	Michigan			76418	Germany			27142a*
79430*				Republic of South Africa			56443	Great Britain			77668
cytology			68608*	USSR		26765*	26866*	Hungary			88754*
damage	44690	55052	74092	fertilizers	2436	9808	20644	Ivory Coast			105277*
deficiency diseases	38070	38140		50051	50277	55097	60334	Norway			99347*
18825*	19247*	28104*		60459	80382	18190*	29687*	Poland			37194*
defoliation	28801*	89579*		39899*	60538*	80395*	101935*	USSR			47290*
directories	34660	44566	6687*	102059*				Washington			37192
85653*	107212*			application equipment		33687*		genetics	38966	58417	18748*
discoloration			55099*	Australia		70595		27743*	66771*	78323*	
disease resistance			58417	Canada		11558	70500	bibliographies			1724
diseases			77503*	China			101926*	germination			68983
conferences and congresses			17969*	France	2418*	2419*	29784*	grading and standardization			44703
control	17937	37092	17942*	39905*	50004*	50125*	60369*			75270	
88584*	88643*			Germany	11537	11495*	20642*	Europe		75277*	107304*
Argentina			37102*	39991*	80450*			France		85791*	96849*
Australia			8965	Hungary		2458*	80318*	Germany		25439*	65551*
chemical	47109		99205*	India			50049	Hungary			15973*
France			99196*	Italy	2331*	2359*	11564*	international	15987		25445
Hungary			77580*	60518*	60523*	80299*	80310*		107307*		
Idaho			271	Japan			20744*	Netherlands			65534*
India			27031a	Michigan			50052	Portugal			25443*
Italy			18021*	Netherlands		39913	39937	grading and standardization equipment			15994*
Japan			88605*	39992	40048	40091	70502*	hardiness	49052	10104*	28799*
Lithuania			27068a	80290*				58805*	58853*	69109*	99218*
Maryland			57857	New Mexico			40028	100511*			
Minnesota			77574	Pacific Northwest			39906	Canada			49054
Netherlands	37071*	77500*		Poland		70623*	70624*	Switzerland			10612*
Ohio	37075	68053		Rumania	2324*	80349*	80350*	USSR			28816*
Rumania	246*	283*		Spain			29721*	harvesting			
USSR	27052a*			Switzerland			50020*	Denmark			19773*
27048a*	68048*	88614*		USSR	20592*	20761*	20741*	labor			7711
88622*				29832*	29843*	60472*	91126*	Lithuania			28798*
				91154*	95837*	97993*	102050*	Netherlands	10606*		38977*
France			27029a*	Washington			2317	Virginia			45667
Illinois			77591	flavor and odor		15981	55097	harvesting date		58836	90287*
mountain areas			27031	65550	75255	25362*	25520*	harvesting equipment		10607	43601
New York			17974	34708*	55167*	107245*		53753	64476	74092	74098
Pacific Northwest			243	flowering date			4944	84488	84489	84510	106325
Southern Rhodesia			99257	for processing			65516	Arkansas			106301
USSR			37171*	Australia		6689	44744	California			43596
dried			96915	France		38967*	38986*	France			64460*
analysis and composition			85736	Poland			108460*	Germany	64464*	106306*	106339*
policies and programs			6911	USSR		6701*	55166*	Netherlands			43600
6933	16006	44778	75347	Western States			107323	rental			84467
85855				freeze-drying			96826*	Switzerland			15163*
quality			55042	freezing	6873	85865	75306*	USSR			106334*
Republic of South Africa			6910	85857*				Washington		5788	5793
96902				Great Britain			65572	history	38969	107224	10601*
situation and outlook			55042	Hungary			44742*	65374*	75295*	101134*	
storage			16038	Louisiana			34833	industry	6729	43435	44554
trade				frozen				54940	54946	54954	107224
Germany			87646*	analysis and composition			85743	Argentina			85667*
transportation			25393	containers		65529	44712*	Australia		15902	75175*
drought resistance			69691	contamination		55069	55070	Austria			65408*
drying	6891	6896	34785	55097				Belgium			66379*
85819	96897			flavor and odor	55069	55070		Bulgaria			44568*
China			96876*	marketing			96830	California			85677
Great Britain			65572	statistics			96882	Canada			65388
home			34835	fruit set			58562*	China			54950
Pakistan			107363	fungus diseases		18190*	27142a*				
Spain			96904*	Australia		77768	99495				

\*Text of this reference is not in English.

	Item				Item				Item		
Fruit--Cont				Fruit--Cont				Fruit--Cont			
industry--cont				juices and sirups--cont				marketing--cont			
Europe	6694	25292		industry		25297*		Japan	25410*	44649*	85782*
European Economic Community	6780	97758*		in semen dilution		82026*		96825*			
France	6731	25290*	25319*	keeping quality	44798	65546		Kentucky			55062
107228*	107234*	107237*		microorganisms		65452*		legal aspects			25433*
Germany	25294*	25308*		nutritive value	98394*	107243*		legislation		34750	25406*
Great Britain			25309*	processing	6918	55164		Louisiana			65409
Hong Kong			15895	6864*	54430*	85675*	96818*	Michigan		6792	55046
horizontal integration			75179	96910*	96913*	98394*		Minnesota			65483
Hungary			86998*	reviews		85824		Netherlands		25428*	75236*
Israel			34668*	processing equipment		96328*		96823*			
Italy	25330	6704*	25319*	products		25511		Ohio			44664
65418*	85659*	85666*		properties		25350		Republic of South Africa			55044*
Japan	6697	75165	75179	quality		44684*		research programs			75240
34678*				situation and outlook		65430*		reviews			96837
Louisiana			65409	75162*	96767*	96768*		Sierra Leone			34748
Michigan			44573	spoilage		65452*		Spain			55033*
New Jersey	6792		44573	statistics		65647*		statistics	65518---	65521	85784
New Zealand			44545	tests	6282*	6744*		85785			
Pacific Northwest			75176*	trade		65647*		Belgium			44678*
Poland			44537	France		76752*		Canada			85755
public relations			6729	Japan		36239*		Eastern States			65522
Republic of South Africa			75169	transportation		55059*		Florida			15953
Rumania			6723	vitamins	44798	65546		Illinois			25397
Switzerland			25322	keeping quality	6825	9808		Middle Western States			65523
USSR			15888*	25510*	44685*			Southern States			65524
vertical integration			75161*	labor	5940	7710	7729	Western States			65525
Virginia			44572	45565*				Washington			55106
Washington			85681	California		97668		Wisconsin		85775	107285
Yugoslavia	15901		54954	Germany		66771*		mechanization		5664	5685
injuries	4849	290*	8955*	Great Britain		66505		5686	43435	84295	
37942*	47145*	47150*	57785*	Japan	35560*	45574*	94375*	Germany	15036*	15087*	64463*
68064*	88585*	88590*	88598*	Michigan		56203		East Germany			43460*
88626*	99184*	99208*		occupational diseases		105031		Hungary			43494*
			99229*	USSR	26548*	26558*	76066*	Italy			53616*
Corsica			37153*	76070*	108215*			Japan			33588*
Germany			77585	Washington		7710		microorganisms			85709*
Illinois			77617*	losses	44632	44670	44686	moisture			54989
Italy	37059*	27014a*	27036a*	44702	99201*			molds		85711*	85796*
Japan	18035*	27014a*	27036a*	Germany			44729*	morphology	47753*	58794*	99914*
28810*	88608*		28814	legal aspects			55061	nematodes			88921*
Oregon			88670*	Poland			99207*	nomenclature			59504
Poland	17945*	57828*	89218*	Sweden			87212*	nutritional deficiencies			37962
Sweden			57861*	marketing	6786	6803	6788			39906	
Switzerland			75216	15949	15957	15976	25391	nutritive value		6874	27353
irradiation	55195	65620	96916	25407	34727	34742	34744	69723*	87797*	87817*	
85829	85852	91220	25519*	34754	44628	44638	44657	orchards			
107373	107383	107404		44719	55031	55049	55055	accounting			7921*
44736*	107341*			55058	55060	55065	65496	appraisal	2074	108628	17006*
irrigation	50277	50319	85829	75228	75234	85769	96821	98076*	108625*		
48346*	70261*	102211*		107292	44675*	55040*		Australia			2613
Australia	20826	20882	20920	associations		25398	55038	Belgium			97581*
40176	65646	102232		55054	55063	44647*	44655*	cooperatives			76268*
Austria			60680*	Australia			75231	Germany			108431*
California			20959	Austria			65408*	Great Britain			69738
China			102238*	Belgium	34738*	55067*	107263*	India			105253
Germany			50358*	California			65497	Japan	33521*	35781*	35827*
Great Britain			80558	Canada			34722	Kentucky			39030
Hungary			40180*	costs			44721*	layouts	1726*	28808*	38991
Japan			40240*	Delmara Peninsula			17169	58889*			
USSR	20832*	20869*	20905*			36253		Australia			69701
27926*	70792*	102121*		Denmark	25405*	25421*	65473*	Lithuania			28784*
Western States			2303	directories			15953	Netherlands			49080*
juices and sirups			6798	Ecuador			55045*	Lithuania			28786*
advertising			15543*	Europe			44675*	management			45807
analysis and composition			25370*	European Economic Community			25409*	Australia			101891
25370*	65459*	107243*		25430	6782*	25399*	25409*	Belgium			49042*
bacteria			25361*	75248*	85781*	96840*		Colombia			101140*
bottling			6839*	Florida			44634	cooperative			45862*
canned			34714*	France	6865*	15915*	15975*	Finland			60542*
chemistry	106826		96815*	34737*	44642*	44672*	65476*	Florida			16843
clarification	65633		15560*	65490*	65492*	65494*	75254*	France		39039*	49043*
color			96815*	85789*	107231*	107265*	107277*	101129*			
coloring			55164	107290*				Germany		7833*	66936*
concentrated	54638		85432	Germany	25382*	25400*	25415*	85707*			
34693*				44654*	54186*	55048*	55057*	Great Britain			35768
consumer preferences			44626	65489*	75248*	85773*	96840*	Hungary			15113*
44627	6768*	64976*		107288*				India			49056
consumption			64976*	East Germany		43994*	44669*	Italy			59587*
containers			96864	85768*				Japan	28821*	28862*	35786*
dried			25511	Great Britain		6781	6807	35819*	35837*	39066*	
drying			55204*	75233	107264			69700*			
drying equipment			107384	history	75239*	96823*	107278*	New Zealand		72775	101111
extraction	65633		96854*	Illinois	15977	25419	25420	Pennsylvania			39037
freeze-concentration			85840	85762				Poland		59509*	79437*
Germany			25286*	Italy	59486*	67268*	85666*	Rumania			18823*
grading and standardization			96854*	87616*	101109*						

\*Text of this reference is not in English.



	Item				Item				Item		
Fruit--Cont				Fruit--Cont				Fruit--Cont			
orchards--cont				pest control--cont				Philippines			
management--cont				Germany	37066*	88648*		physiological diseases			
USSR	7873*	28794*	28819*	East Germany		73258*		planting	19756*	28808*	
35847*	66869*	101110*		Great Britain	42673	83415		California		20959	
Washington		1762			94357			costs		59503*	
Western States		79444		Hungary	77580*	83426*		Great Britain		35768	
Yugoslavia	56481	10594*		Idaho		271		Hungary	28789*	60720*	90297*
Netherlands	26930*	38963*		India		83375		Italy	1726*	59494*	59587*
Poland		28807*		Indiana		73259		Mexico			90272*
statistics				integrated	13983	63630		Netherlands			69694*
Australia		65646			4858*			Poland	39055*	79437*	
Belgium		107411*		Iran		52925*		Sweden		10611*	
Ceylon		65657		Italy	42690	18021*		Switzerland		59503*	
Germany				83391*				USSR	19760*	19769*	19778*
East Germany		85885*		Japan	52936	23300*		90268*		1729	
New Zealand		107410		88605*	94375*			Washington		10594*	
Switzerland	25538*	44817*		Lithuania		27068a*		Yugoslavia		24093*	
Virginia	25542	44811		Maryland	37072	57792		planting equipment			
44813				Massachusetts	57839	57860		policies and programs			
Switzerland		17006*		63604				France	44655*	108591*	
USSR	28790*	30038*	38979*	Mexico		94401*		Germany	15917*	85707*	
91126*	101136*			natural		63441		Italy	25283	54936	65613*
Washington		911	74144	Netherlands	23314*	32862*		Ivory Coast		34688*	
oxidation		65440*		37071*	52957*	77500*		Japan	44581*	85695*	
packed		6825		Ohio		68053		Philippines		65684	
packing	15949	16060	44708	Pacific Northwest	4835	42652		Poland	44558*	75170*	75171*
44713	44716	75288	75290	52955				Republic of South Africa		6721	
55111*	65553*	65555*	65561*	Pakistan	32816	83394		Rumania	15896*	34684*	85676*
85803*	85806*			Pennsylvania		37105		Spain		54925*	
associations		15998		Poland		57816*		USSR		107240*	
Australia	44710	65609		Rumania	246*	283*		pollen		1126*	78306*
directories		107322		14191*	27052a*	32832*		pollination	1202	1722	4944
France	34827*	65554*	65560*	Spain		105282*		14298	78587	83622	23465*
75281*	107321*			Switzerland		291*		42409*	53075*	58562*	73386*
Germany	6842*	25439*	25453*	USSR	18009*	23307*	27048a*	105446*		4953	
44717*	65564*			32836*	42685*	63666*	68048*	history		89355*	
history		6845*		83405*	83473*	88614*	88622*	pre-harvest drop		65502	65565
Netherlands	85808*	96865*		94370*				prices	44719	65502	65565
Hungary		15973*		Utah		42688	52941	85812			
Japan		44714*		Washington		4853	18048	Belgium		75294*	
Netherlands	55110*	65534*		37042	52924	52961		Canada		44808	
65557*	75287*			Yugoslavia		14167*	14179*	control	25456	65569*	85814*
Poland		15997*		pest resistance				Denmark	65473*	85811*	
Washington		55106		pests	4843	23345		European Economic Community		55122*	
pest control	263	4849	4851	Argentina		23293*		France		6865*	
4859	14123	14207	14216	Australia	5294	32838	42695	Germany	45916*	65566*	96870*
17937	23339	32825	37092	Brazil			73267*	96923*	107325*		
42604	42655	57820	57821	California			52685	34779*	44630*	44721*	
57841	17942*	32830*	77603*	Canada		63851	88573*	Netherlands		25428*	
94356*				China			99241*	Pacific Coast		44720	
Angola		73210*		conferences and congresses			94365*	Western States		107323	
Argentina		37102*		Denmark			23298*	processed	96915	107380	75295*
52907*	52950*	23289*		ecology		5322	5412*	chemistry			6871
Australia	8965	32839	32860	Finland			105238*	directories	6929	107377	
37049	42695	68019		forecasting	77503*		42720*	Finland		25492*	
biological		4851	42373	France	105293	23277*	99145*	France	25461*	25469*	75338*
88843*	105249*			99241*	105295*			Germany	25475*	85834*	
Germany		73264*		Germany		83475*	105284*	grading and standardization		34769	
Pacific area		23318		East Germany		83332*	99241*	75256		75257	
Poland	42717*	105324*		Great Britain		42673	42674	Louisiana		25518	
USSR		4855*		73770				marketing		44668*	
Venezuela		105274*		Greece			23091	Netherlands	25478*	96908*	
Bulgaria		42707*		habits and behavior			105918*	packing		85804*	
California	23342	73254		Hungary	83455*	94386*	94388*	Poland	55140	55208	
77518				Illinois			83439	prices		44808	
Canada	23283	23305		India	4836	14523	32854	properties	107338*	107339*	
Central America		94354*		Italy	14194*	23333*	42669*	regulation and inspection	107322	6830	
chemical	42653	52755	52760	Ivory Coast			105277*	situation and outlook	65597*	6872*	
73256	94397	32824*	88584*	Japan			95504	statistics		44807	
Australia	105288	105296		Lebanon			83467*	trade			
Denmark		57925*		Maryland	13948	42672		Belgium		8286*	
Ecuador		83438*		New York		17974		Great Britain		98268*	
France		105263*		Ohio		32819	73253	Italy		57049*	
India		105253		outbreaks	23295*	83458*		Luxembourg		8286*	
Indiana		47109		Pacific Northwest		259		Netherlands		76819*	
Minnesota		77574		Poland	23329*	83446*		Poland		17142*	
Netherlands	94390*	94391*		Republic of South Africa		14455		processing	6871	34824	44757
94393*				23311		94387		85846	107250	55167*	55187*
Poland		88643*	105273*	Southern Rhodesia		73252		75332*	107339*		
105286*	105298*	105325*		surveys	52964	73618*	83955*	Canada		107329	
USSR		99205*	105312*	Switzerland		42416*	52951*	costs		107345	
Colorado	4864	23331	94399	52952*	63636*			France	55199*	65630*	65635*
conferences and congresses		17969*		USSR	5412*	37171*	64176*				
Connecticut		52946		Virginia			32826				
costs		52969	105303*	Western States			8917				
France	8908*	32823*	32857*	Wisconsin			42698				
47086*	99196*			Yugoslavia	73317*	94459*					

\*Text of this reference is not in English.

	Item			Item			Item	
Fruit--Cont	processing--cont		Fruit--Cont	refrigeration--cont		Fruit--Cont	spraying and dusting--cont	
	Germany	57022*		Spain	65588*		Argentina	52907*
	Italy	55192*		Washington	6934		Arkansas	57752
	Japan 36251*	85880*		refrigeration equipment	107386*		Australia	37049
	Louisiana	75349		107390*			California	73254
Fruit--Cont	Netherlands	16062*	Fruit--Cont	regulation and inspection	44686	Fruit--Cont	Canada	38989
	25467*	25468*		44702 44703 107294			Colorado	68007
	107391*	75303*		European Economic Community			costs	52969
	Ohio	44746		Germany 6810*	25433*		France	57905*
	Poland	75305		Netherlands	34762*		Germany 37119*	47145*
Fruit--Cont	research methods		Fruit--Cont	Switzerland	6816*	Fruit--Cont	East Germany	68634*
	statistical	75314		research methods	34768*		Hungary	73258*
	research programs	75297		statistical	90276*		Indiana	106374*
	USSR 25516*	25525*		research programs	49044		Italy 68067*	57836
	Washington	107346		ripening	25528*		Kansas	88586**
Fruit--Cont	processing equipment	85875*	Fruit--Cont	rootstocks	69686	Fruit--Cont	Maryland 37072	88653
	production regions	106339*		79438 100505*	101112*		68023	42672
	Albania	85706*		106261*			Minnesota	68041
	Argentina	28805*		Bulgaria	38959*		Netherlands	94393*
	Canada	85687*		Canada	79431		New Hampshire	37090
Fruit--Cont	France	6730	Fruit--Cont	certified	1716	Fruit--Cont	Ohio	68053
	Germany	107238*		France	38962*		Poland 47124*	88567*
	Rumania	85707*		Great Britain	38970		Rumania	88612*
	products	15587 34687		Republic of South Africa	1736		Spain	14191*
	55026 55129 55170	74946		reviews	38975*		USSR	105282*
Fruit--Cont	advertising	96578 107028 54424*	Fruit--Cont	Rumania	90284*	Fruit--Cont	Washington	88622*
	analysis and composition	34706		Sweden	59500*		318	68092
		44601		USSR 58805*	59482*		Western States	47128
	bibliographies	34834		Washington	1725		spraying and dusting equipment	106369*
	irradiation	25519*	Fruit--Cont	seeds	1804	Fruit--Cont	Canada	24160
Fruit--Cont	processing	54404		situation and outlook	28785*		Japan 33780*	33783*
	Switzerland	6313*		55038 65392 65413	65421		43675*	33784*
	trade			65425 85669 96775	96790		Poland	24164*
	France	27266*		96800 107227 107230			Washington	74144
Fruit--Cont	propagation 38970	59487	Fruit--Cont	Australia	6689	Fruit--Cont	statistics	
	59501*			Belgium	97793		Australia	34840
	by cuttings	10119*		Bulgaria	107263*		Belgium	64913*
	mist humidification	90293*		Canada	44578*		California	6940
		101122*		Eastern States	74290		Canada 44807	44808
Fruit--Cont	by grafting and budding	1736	Fruit--Cont	European Economic Community	6706	Fruit--Cont	65642 66296	15486*
	39036 49036 90290	90295		Finland	75174		Denmark	34841*
	1772* 10589*	10605*		France 15915*	25325*		France	44810*
	28804* 28812*	38959*		107231*	65476*		Germany 25532*	44654*
	49047* 59482*	59497*		Germany 25295*	25310*		44814* 44815*	65637*
Fruit--Cont	90281* 90285*	90294*	Fruit--Cont	44534* 65405*	25326*	Fruit--Cont	65641* 65649*	65658*
	101114* 101119*	101127*		Great Britain	25335		96923*	85882*
	properties	44607		Israel	25335		Hungary	96922*
	reviews	75224*		Italy	54949*		Italy	6715*
	proteins	19041*	Fruit--Cont	54934*	44533*		Japan	34686*
Fruit--Cont	pruning	29711		Japan 34679*	34685*	Fruit--Cont	New Zealand	107409
	19756* 38964*	49040*		36208* 75166*	96794*		Washington	54971
	69698* 69699*	69710*		Lithuania	34686*		sterilization	34808*
	90291*			Pacific Northwest	107223*		storage	65579
	Algeria	101126*		Ruhr Basin	85654		65586 65636 107250	43821*
Fruit--Cont	Australia	69702	Fruit--Cont	Spain	15892*	Fruit--Cont	Belgium	65578*
	Canada	24160		Switzerland	96780*		controlled atmosphere	6903
	Denmark	10605*		USSR 25318*	25324*		44665 44776 44789	55136
	France	38981*		75168* 96783*			55144 85845 55162*	85848*
	Germany	101121*	Fruit--Cont	Washington	44532	Fruit--Cont	costs	34801
Fruit--Cont	Italy	69684*		Yugoslavia	54953		Denmark	25509*
	Latvia	19762*		size	18869		diseases	65631*
	Lithuania	28815*		soils	80382		107381 25480*	96916
	Mexico	49049*	Fruit--Cont	Australia	29588	Fruit--Cont	France 34827*	55199*
Fruit--Cont	Poland	10595*		California	20959		65560* 65606*	65635*
	reviews	19758*		China	90271*	Fruit--Cont	gas SEE Fruit, storage, controlled	
	Rumania	1718*		Denmark	29725*		atmosphere	
	Sweden	49053*		France	49043*		Germany	
Fruit--Cont	Switzerland	38990*		Germany	60300*	Fruit--Cont	East Germany	75230*
	pruning equipment	74022	Fruit--Cont	East Germany	40114*		Great Britain	25473
	purchasing	15939		Great Britain	101286		humidity	44727
	quality	6789		Illinois	80242		Japan	25510*
	34765 10604*	44684*		Japan 28818*	37942*		Netherlands	96912*
Fruit--Cont	58530* 87194*		Fruit--Cont	Netherlands	39937	Fruit--Cont	38977* 65592*	16062*
	Austria	55074*		New York	40048		Norway	16046*
	Denmark	19770*		Rumania	80383		pest control	57816*
	Germany	88617*		29964*	20727*		Republic of South Africa	6874
	Hungary	34760*	Fruit--Cont	USSR 19772*	28794*	Fruit--Cont	reviews	85873
Fruit--Cont	Netherlands	6816*		60561* 91362*	102050*		structures	43829
	Switzerland	55074*		Washington	2432		6887* 25501*	107368
	refrigeration	6873		Western States	79444		65630* 85851*	55192*
	75310 6865*	44782*		spraying and dusting	5839		107388* 107389*	107387*
Fruit--Cont	55147* 55197*	107366*	Fruit--Cont	37324 52964	57783	Fruit--Cont	temperature	44727
	Australia	75302		58016 77513	57806		USSR 25525*	85862*
	France	25290*		5002* 5842*	94397		study and teaching	1721*
	Germany	44758*		83391* 88613*	99196*			
	Italy	25504*						

\*Text of this reference is not in English.



	Item				Item				Item		
Fruit--Cont	subsidies				Fruit--Cont				Fruit-tree leaf roller SEE Archips		
	surpluses				varieties--cont				argyrosphilus		
terminology					Philippines		88183		Frullania	37701	46948*
tests	44607	75189	107250		Portugal		101131*		Frullania aterrima		88435
6759*					Rumania	19771*	100505*		Frumil	6335	15587
thinning	35216	59490	19761*		Switzerland		10612*		Frutillaria		73665
79435*	101133*				Tropics		925		FSH SEE Follicle-stimulating hormone		
chemical	69708	1717*	19766*		USSR	28816	19776*		Fucaceae		89601
90275*					28820*	59498*	69685*		Fucales	78160	89067
India					90279*	90286*	101128*		Fuchsia		
Switzerland					Vermont		90270		associations		10705
Washington					Washington		69706		culture	10827	39213*
trade	8218	46422	54954		virus diseases	37419	58061		fungus diseases		37272
87667	108906	46365*	108825*		47522*	88868*	88874*		Peru		57621
Argentina		76824	67366*		conferences and congresses		58093		propagation		10888
Belgium			67320*		control	68280*	99568*		Fuchsia procumbens		27682
Denmark		67368*	85811*		France		101130*		Fuchsia serratifolia		10872
Europe	8239	36278*	67368*		Germany		77918*		Fuchsin		8577
87616*					East Germany		68274*		Fucus	88975	97529*
European Economic Community					Great Britain		77925		Fucus ceranoides		48292
8215	8216	8218	17169		Hungary		18332*		Fucus distichus		8814
27216	67297*	67307*	67317*		Italy	18299*	68268*		Fucus gardneri		79005
Finland			25325*		Republic of South Africa		18374		Fucus serratus		89850
France		76767	67320*		Rumania		27290a*		Fucus spiralis		57705*
Germany	8307	27201*	27216*		25375*	76874*	98415*		Fucus vesiculosus		
27226*	56998*	57022*	65489*		vitamins	27352	46472		anatomy and physiology	9692	48251
67311*	67366*	87681*	87729*		25375*	76874*	98415*		48292	38287*	
96923*	107288*	108847*			waste		96909*		biochemistry		89850
Guatemala		46365*	108825*		weed control		49449		morphology		89178
Italy	8288	25330	27190*		California	90672	90721		FUDR SEE Fluorodeoxyuridine		
46387*	56998*	67268*	87616*		chemical	70110	39563*		Fuelgen test		14473
108820*					79857*		49426*		Fuels	24303	5944*
Japan	36208*	36251*	98288*		California		90658		China		106388*
Luxembourg			67320*		Canada		20278		consumption	64358	74169
Netherlands			56998*		Denmark		59916*		France		43861*
Poland	17142*	36195*	56982*		Finland		59983		hazards and safeguards		73922
57022*					Germany	59972*	70131*		81198	74128*	
Portugal		8229*	67303*		79819*				India		5965
Rumania			6723		Great Britain	39546	39547		legal aspects		74168*
Spain	76793	57030*			39550				storage		53878
statistics		27197*			Japan		29250*		SEE ALSO names of fuels; and UNDER		
Sweden		8289			Kentucky		79808		specific subjects		
Switzerland		8221			Michigan	39511	49448		Fuelwood	2947	12301*
Yugoslavia		54954			Minnesota		77574		40895*		40891*
transportation	44665	25402			Oregon	11085	39528		Fulgoridae		53391
by air		25390*	65467*		reviews		29271*		Fulgoroidea	43157	105823
by rail	44650	44632	44660		Tennessee		29359		14769*	14771*	23773*
44670	44708	75281*			USSR	90707*	101526*		Fulgoromorpha SEE Fulgoroidea		
by truck	55052	96828	55050*		101545*	101560*	101537*		Fuligo		100661
55059*					Washington		49409		Fullawaya hughii		64112
by water		44650			Denmark		101518*		Fullawaya (Pseudopterocomma) n sgen		64112
conferences and congresses		44772			Germany	74032*	90725*		Fuller's earth	26054	26101*
France		85765*			Ohio		29227		55683*	101748*	35177*
Germany		15087*			Washington		2011		101779	39697*	101692*
East Germany		75230*			weight and measurement		6827*		Fulvic acid	104815*	
Hungary		15973*			wild		77413*		104815*		
Italy	15965*	15966*			yields	50051	28083*		Fumagillin		94553*
Japan		34735*			48386*	69697*			Fumaria		36915
Republic of South Africa		25386			Denmark		19770*		Fumaric acid		96812*
reviews	44789	85873			Germany	11537	11495*		Fumidil B SEE Fumagillin		
USSR		34734*			Netherlands		40048		Fumigants and fumigation		
utilization research	65546	78587			USSR	28816*	28819*		analysis and composition		88678
varieties	1722	19738	28791		91154*	97993*	108523*		application		83528
38960	38961	49045	49052		SEE ALSO Cover crops, orchards;				avocado pest control		63676
59504	79436	59507*	79491*		names of fruits; Nurseries; Pools				Belgium		43808*
Australia			38998		Fruit crack		38363*		Canada		27367
Bulgaria		38448*	100511*		apples		58721		equipment	14230	52999
Canada	1735	1763	19755		fruit		25713		83501	94449	
Central America			1779		Fruit flakes				flour pest control		42735
Ecuador			55045*		Fruit flies				food pest control		94445*
Florida		1779			as pests		4843		fruit pest control		23274
France	27029a*	38967*	38986*		collecting		64011		human pest control		83220
101195*					control				in wheat		83528
Georgia			59505		biological	23310*	94401*		insect control	23050	73076
Germany	27226*	96923*			chemical	105253	83403*		83609*		
Great Britain	38980	49039			Hawaii		23274		insect resistance		93991
Hawaii	28776	38976			dissemination		105730*		nematode control	68320*	99710*
Hungary		28817*			identification		52964		ornamental plant pest control		83482*
India		10635			Japan		105730*		research methods		
Iowa		49024			migration		105253		statistical		8382
Japan	28818*	68631*			populations		105253		residual effectiveness		94058
Kansas		88653			rearing and breeding		5341		soil pest control		94301*
Michigan		44573			surveys		73618		storage pest control	14228	14230
Oregon		38987			tagging		5322		14232	63409	63673
Pacific Northwest		1764			SEE ALSO Drosophilidae; Tephritidae				83498	83499	83511
					Fruit nets	17968*	37066*		83528	93991	94434
					Fruit spot, bananas SEE Speckle,				105340	14233*	23370*
					bananas				32887*	52991*	73293*
									94436*	94445*	83529*

\*Text of this reference is not in English.

Item			Item			Item		
Fumigants and fumigation--Cont			Fungi--Cont			Fungi--Cont		
tests 40355	83503		Hungary		88552	plant parasites		
wood pest control 14270			hybrids			reviews		18805
SEE ALSO Soils, sanitation; names of			reviews		17903	Poland	17890*	36979*
fumigants; and SUBHEAD fumigation			identification	19282	47009	37026*	57714*	88851*
UNDER specific subjects			67751 67956 99105	47017*		predaceous	192	489
Funaria 1047			77485*			9749	32275	47624
Fungi 70201*						88504	88933	99132*
anatomy and physiology 33			Illinois		8825	properties		70370
9005 11327 18204 18922			illustrations		8881	protein synthesis		96208
36616 36635 37952 47759			in soils		508	Pyrenees		17885*
48138 58862 68668 68749			2203 2210 2211 2213		9038	Rumania	26956a*	57712*
77679 77746 77842 78612			2214 2237 8985		11323	surveys		
88741 89348 89390 89460			9123 9827 11316		11335	aerial	33	8545
89626 9050* 10040* 10128*			11324 11326 11327 11335		20504	67748		
19191* 20480* 27119a* 38160*			11832 18112 19057		37267	Canada		77696
68131* 68750* 78614* 89360*			29547 29554 29582 37267		39793	India	46693	67754
89581* 99511* 100227*			37293 39781 39782 39793		60220	Venezuela		30*
aquatic 19147 36985 57738			40355 49784 49886		70403	Sweden		88528*
100435			60225 67967 68223		88554	Switzerland		17899*
Australia 17879			70404 71246 80120		101829	Tatra Mountains	17904*	37009*
Brazil 187			99054 101656 101812		18184*	37020*		
Czechoslovakia 88536*			101832 2220* 11322*		49704*	taxonomy	8881	36978
Germany 99132*			21007* 27174a* 39799*		59992*	99105	99134	47006*
Great Britain 40840			49811* 57724* 57866*		90925*	reviews		46987*
Hawaii 67932			67680* 70389* 70393*			Tropics		57738
India 47011			99687*			Turkey		8835*
Kansas 77480			Arkansas		29531	USSR	8892*	26931a*
Oregon 36986			Australia		20475	47002*	57745*	57747*
USSR 77468*			Belgium		57732*	77484*	88541*	99107*
Australia 8883			Bulgaria	39765*	90939*	Venezuela		226
biochemistry 10167 19282			Czechoslovakia		77830*	virus diseases		27350*
38613 40836 48538 48637			Denmark 29545	29563	21192*	Wisconsin		88514
59060 69181 69189 69223			Estonia		29550*	wood-destroying		1436
79079 89827 10221* 38631*			Georgia		60737	2927	2930	12260
47418*			Germany		57906*	12294	12300	21461
conferences and congresses			Great Britain	2183	2232	27533a	30552	40831
100729			2243 30193	99117	50710	40837	40840	40846
reviews 79023			Hungary		39805	51144	51146	81376
Bulgaria 8854* 77478* 99094*			India	17886	20499	81387	81389	91689
Canada 408 77472 88516			67946 67977			102906	8553*	9088*
88547			Ireland		101811	10040*	10128*	12255*
Chile 26928a* 26929a* 99445*			Japan	37378*	99509*	12259*	12263*	12266*
collecting and preserving 42			Lithuania		39772*	12269*	12271*	12272*
36636 77486 98733 46969*			New Zealand		99275	12277*	12278*	12281*
collections 99116*			Philippines		11332	12286	12288*	12290
Congo 88518*			USSR	2231* 2241*	49820*	12296	12298*	12299*
contamination 58637*			57725* 88141* 101806*			12305*	12447*	12448*
cultures 18922			United Arab Republic	49802		28382*	30554*	38160*
19233 24691 27966 28032			Wisconsin	67940	99071	40827*	40843*	40865*
31016 38123 38367 46694			India 17919	26934a	57737*	61353*	61354*	61361*
57730 67739 70366 78492			Iowa		99088	61378*	81380*	81385*
78493 89390 99388 100479			Japan	208	212	81398*	91683*	91687*
100521 100728 103832 27119a*			Latvia		26977a*	bibliographies		12283*
37189* 68519* 79020*			Lithuania	26937a*	27263a*	Estonia		21464*
conferences and congresses			Malawi		99494	Japan	30555*	40841*
100729			Mexico		49544*	Kansas		91692
reviews 28134			morphology	78085	18657*	Mozambique		105354*
cytology 46734 99910 806*			conferences and congresses			Norway		40839*
reviews 37743			100729			Poland	8832*	36980*
Czechoslovakia 99370*			79023			reviews		51147*
ecology 11335 27396a 39805			99693*			Sweden		21453*
53124 2220* 5053*			17883 36978			SEE ALSO Mildew; Molds; Mycolo-		
Bulgaria 9332*			67944 8861*			gy; Mycorrhiza; Yeasts; names of		
France 94715*			North America		26935a	fungi and fungus diseases; and		
Indiana 9367			Northeastern States		17876	SUBHEAD decay UNDER Wood		
Japan 47245*			pathogenic	61889	107524	Fungi Imperfecti SEE Deuteromycetes		
Poland 37601*			to Bombyx mori		83698*	Fungicides	6	380
USSR 47689*			to insects	14710	32995	27168a	37406	68128
edible 47009 67934 67956			33015 33016 95505	105530		68212	76903	77836
96208 106543 36991* 47017*			105900 4667* 73107*	73221*		88705	88749	88843
77485* 88527* 99124*			94593* 99070*	99102*	105652*	9072*	57421*	69319*
entomogenous 5392 5405			to mosquitoes	105797	105802	adjuvants	9121	27270a
14164 17875 23303 23612			pests		53125*	analysis and composition		47198*
33014 33447 42958 43003			physiologic specialization		360	88678	98430	68108*
52893 53153 73500 73817			365 9033 9037		9109	68201*		68109*
77474 78085 5573* 23499*			3173 13154 18699		27167a	application	8988	9091
33327* 57726* 83853* 106031*			37183 37218 37310		37348	27253a	37324	47154
enzymes 2926 28306 59060			47233 47263 47280		47286	47360	77709	77745
65633 69181 77657 26954a*			47287 47292 47294		47318	99521	37390*	47198*
100701*			47319 47343 47353		47851	77734*	88761*	
conferences and congresses			57889 57889 57892		57937	Austria		57927*
Europe 8867*			58032 68617 77646		77724	Brazil		99305*
fat synthesis 26954a*			78291 99332 99367		99385	Ceylon		99470
France 217			99390 1219* 9071*		9094*	conferences and congresses		
freeze-drying 46694			18171* 18196*		27230a*	Ecuador		98452
genetics 811 58389 58413			27260a* 37185*		37239*	Germany	18073*	27113a*
58441 58448 58473 806*			37240* 37364*		47205*	East Germany		47356*
Great Britain 88550			47247* 57919*		88710*			
			reviews		37215			

\*Text of this reference is not in English.





Item			Item			Item		
Fusarium orthoceras	18084	99299	Futures trading--Cont			Gall insects--Cont		
99361 9010*			statistics	24441		Tanganyika		5429
Fusarium oxysporum	47232	57995	SEE ALSO SUBHEAD futures UNDER			USSR		5481*
99286			specific subjects			Virginia		42775
alfalfa		57888	FW-450 SEE 2,3-Dichloroisobutyrate			Gall midges SEE Cecidomyiidae		
anatomy and physiology		68955	sodium	49454*		Gallacetophenone		30759*
biochemistry		69268	FW-925			Galleria mellonella		
Dianthus	27229a*	37344*				anatomy and physiology		33354
in soils	9107	68120*				73455 73790 33427*		95498*
lupine		47367*				106013*		
oats		77632				bacteria		105938
red clover		57888				biochemistry		73788
tomatoes		37261*				73819 73849 106032		73789
Fusarium oxysporum albedinis		18162*				control	42820 105455	73390*
Fusarium oxysporum asparagi		99406				94515*		
Fusarium oxysporum batatas		37856				cytology	73788 73789	73790
57907						digestion		73848
Fusarium oxysporum carthami		9069				diseases	33391 53484 105679	
Fusarium oxysporum cepae	27193a					105869 105938 106011		106030
37365*						106045 106046		
Fusarium oxysporum cubense	18062					larvae	23845 73819	73849
27185a 58655 99415						106032 14848*		
Fusarium oxysporum dianthi	47336					metamorphosis		105938
18057*						nutrition		14848*
Fusarium oxysporum gladioli	327					parasites	33392 53479	73771
Fusarium oxysporum lupini	18093*					predators		94798
Fusarium oxysporum lycopersici	9006					pupae	73788	73790
18148 37837 38649		57899				reproduction		43297*
77705*						respiration		94798
Fusarium oxysporum melonis	37273*					Galley worms SEE Diplopoda		
68166*						Gallic acid	78976	69334*
Fusarium oxysporum niveum	9169					Gallic acid esters		16280
27252a 88755*						Galimycin SEE Erythromycin		
Fusarium oxysporum perniciusum						Gallstones	62482	3723*
77695 99344						Gallus adeno-like virus	3195	13557
Fusarium oxysporum pisi	18111					Galumna		73507*
70044 99324 77759*						Galumna virginensis		32633
Fusarium oxysporum rauvolfi	88747					Galumnopsis		73507*
Fusarium oxysporum redolens	18093*					Gamanthus		57544*
Fusarium oxysporum vasinfectum						Gamasellus		94679
9018 9124 40354		77763				Gamasides		
88841 99431 99529						anatomy and physiology		23554
Fusarium oxysporum zingiberi	18228					42928*		
Fusarium roseum	359	77666				bacteria		73160*
18093*						Czechoslovakia		63858*
Fusarium semitectum	88752					hosts	42909*	53203*
Fusarium solani						Tien Shan		63847*
Acer	47419					USSR	53203*	94775*
alfalfa	57988					Gamasina SEE Gamasides		
anatomy and physiology	946					Gamasoidea		
9671 9717 9718	48032					anatomy and physiology		14457*
68697						105599*		
cucumber	9159*					ecology		73537*
Gladiolus	9146					life history		105576*
Populus deltoides	9150					nymphs		83778*
potatoes	57907					USSR	5103* 42939*	73538*
red clover	57888					Gamasolaelaps		94679
Fusarium solani phaseoli	18182					Gamboge		7401*
58655 99439 100237						Gambrinus		63962
Fusarium sporotrichioides	1056*					Game fowl	32078*	93015*
Fusarium udum SEE Fusarium						SEE ALSO names of game fowl		
vasinfectum						Game meat	96093 98418	98448
Fusarium vasinfectum	47310	88765*				45064*		
Fusoid blight						Africa		3334
beans		99564				bacteria		65834*
Fusel oil	45340*	64935*				contamination		55446
reviews		35212				cooking		36305
Fusicladium carpophilum		57871				nutritive value		108960
Fusicladium dendriticum SEE Venturia						proteins		71690
inaequalis						regulation and inspection		8200*
Fusicladium effusum		99272				Republic of South Africa		98459
Fusicladium eriobotryae		57897*				trade		
99462*						Germany		8200*
Fusicladium pirinum SEE Venturia						vitamins		108960
pirina						Game theory	16122 26761 35423	
Fusicoccin		99271				48761 56019 66335*		
Fusicocum	8844	88690				Gametocides		89275*
Fusicocum amygdali		99271				Gametocytemia		83265*
Fusicocum malorum		99464*				Gametogenesis		23910
Fusiformis nodosus	72873	104720				gamma BHC SEE Lindane		
Fusilul		53228				Gamma rays		
Futures trading	6082	34136				effects on Anopheles quadrimaculatus		
43981 74541 44034*						63458		
India	24421 43986	43991				effects on apples	28157 85849	
43995 44012 44013	44020					27488a*		
44021 44028						effects on arachnids		5102*
legislation		43998				effects on Aspergillus nidulans		100058

\*Text of this reference is not in English.



	Item		Item		Item
Gamma rays--Cont		Gamma rays--Cont		Gardens and gardening--Cont	
effects on bacteria	6030 43919	effects on <i>Tribolium castaneum</i>	105688	handbooks	10740*
96100*		effects on <i>Trombicula akamushi</i>	105566*	history	
effects on barley	55368 27746*	effects on <i>Trombicula deliensis</i>	105566*	Mexico	10789
37897* 65675*		effects on wheat	18753 37687	Netherlands	10577* 10578*
effects on <i>Blaberus craniifer</i>	5580	38339 44858* 78312*		11523* 43449* 43450*	
84193		effects on yeasts	100054 48096*	Italy	69663*
effects on <i>Bombyx mori</i>	32979	100220*		Japan	10588*
83693* 105490*		in fats and oils processing	35180*	layouts	101099*
effects on <i>Callosobruchus subinnotatus</i>	83513	in feed processing	44418	miniature	90384 101313
effects on <i>Carpocapsa pomonella</i>	14185	in fish processing	7560 7561	Minnesota	90251
effects on cellulose	44441	in flour processing	7046* 65685*	Netherlands	10580* 87087*
effects on <i>Ceratitis capitata</i>	5227	in food processing	6914 106705	Nicaragua	28775*
effects on cherries	28157	in fruit processing	107330 107353	Norway	59473* 69675*
effects on <i>Chrysanthemum</i>	9574	107358 107373		pests	94417*
effects on <i>Cochliomyia hominivorax</i>	14589	in malting	34893	school and community	36671
effects on <i>Coleus blumei</i>	89556	in pest control	14248*	40439 90256*	
effects on corn	78263 78297*	in plant research	26765a 88142*	soils	70525 39940* 90824*
effects on <i>Dacus cucurbitae</i>	5227	in rice processing	75684*	South Carolina	28956
effects on <i>Dacus dorsalis</i>	5227	in soil research	60168 70335	study and teaching	38932
effects on <i>Dacus oleae</i>	105698	101651 39642* 60066* 101665*		SEE ALSO Allotment gardens; Bon-	
105773		101680*		sai; Botanic gardens; Flowers;	
effects on <i>Dahlbominus fuscipennis</i>	105893 105894	in vegetable processing	6897 25493*	Fruit; Greenhouses; House plants;	
effects on <i>Dianthus caryophyllus</i>	89289 100022*	Gammexane SEE Benzene hexachloride	72386	Landscape gardening; Ornamental	
effects on <i>Dirofilaria</i>	5345	Ganglioneuroma	71783	plants; Rock gardens; Truck farms	
effects on <i>Drosophila melanogaster</i>	5275 23669 23670 33136	Gangrene	22264*	Garlic	
53359 104974 105755		cattle	3538 52452*	analysis and composition	78489*
effects on eggs	26183* 55714*	goats	52452* 52477*	anatomy and physiology	38501
effects on einkorn	830	poultry	82605	976* 58480* 78489*	78490*
effects on <i>Epilachna vigintiocto-</i>		sheep	104629 52452* 52477*	costs and returns	90773*
punctata	105688	Ganoderma	8846* 17914*	culture	
effects on fibers	6601	Ganodermoideae	628*	France	20176*
effects on field crops	1039	Gantrisin SEE Sulfisoxazole		Japan	90773*
effects on flour	55310	Gapeworms	4195 13486 104330*	New Zealand	10934
effects on forests	27454a	Garages	43652*	USSR	39371* 44549*
effects on <i>Gnorimoschema opercu-</i>		Garamans n g	23744*	cytology	18522* 72936*
lillum	84131	Garamans mirei	23744*	feed	72936*
effects on goats	32273 52434	Garbage		fungus diseases	77740* 99400*
reviews	93686	and <i>Apis mellifera</i>	94564*	irrigation	80623*
effects on grain	7019 7057	feed	13782 52552 72935	morphology	47834* 78118*
6974*		32392* 34463* 42243*		nematodes	499*
effects on grapes	37848	91820*		pest control	23372 52840*
effects on <i>Haematobia irritans</i>	64019	fertilizers	2682 50073* 80775*	planting date	78490*
effects on insects	105503*	91043* 91414* 102367* 106472*		processing	34236*
effects on <i>Kalanchoe</i>	28201	Garcinia cambogia	54999	properties	34264*
effects on meat	83262 45024*	Garcinia cambogia seed oil	26008	statistics	16069* 85888*
effects on <i>Morus</i>	78322*	Garcinia hanburyi	7401*	trade	
effects on <i>Nasonia vitripennis</i>	105875	Garcinia indica seed oil	97223 107732	Japan	90763*
effects on oats	89317	Garcinia morella	17 36	Garrya elliptica	1906
effects on onions	78517	Garden pools	69822 59717* 59751*	Garrya veitchi	18629
effects on oranges	107358	Garden symphyllan SEE <i>Scutigerella</i>		Garyops pumila	14441
effects on <i>Paramyelois transitella</i>	14186	immaculata		Gas heat	33914* 64392* 64658*
effects on peanuts	19116	Gardenia	10875 37493	Gas storage SEE SUBHEADS storage,	
effects on <i>Pectinophora gossypiella</i>	83338	Gardenia jasminoides	58804	controlled atmosphere; storage, gas UN-	
effects on <i>Phaenicia cuprina</i>	83262	Gardens and gardening	28781 49029	DER specific subjects	
effects on <i>Phormia terraenovae</i>	73664*	77541 79556 80222 88644		Gascardia madagascariensis	95185
effects on <i>Pinus rigida</i>	68706	90246 90247 90249 90262		Gases	
effects on plants	27017a 27454a	101100 101281 101889		effects on <i>Apis mellifera</i>	105443
effects on pollen	19201 27524a	accounting	16875*	effects on <i>Orthosoma brunneum</i>	73593
effects on potatoes	100280	Argentina	38948*	effects on poultry	82693
effects on poultry	62877	as therapy	101311	hazards and safeguards	73922
effects on radishes	1111	associations	39245 90261	in <i>Agaricus bisporus</i>	59033
effects on <i>Rhizopus stolonifer</i>	19166	Australia	69661 101103 102235	in cheese	24846* 85277*
19420		102365		in food	15636*
effects on rice	9634	Austria	68066*	in food processing	24561
effects on seeds	89476 102772	Belgium	39192*	in fruit	107250
9487* 9488* 9630* 9761*		Canada	28772 101430	in <i>Iris pseudoacorus</i>	9689
19069*		church	69671	in meat	86147
effects on <i>Sitophilus oryzae</i>	105688	costs and returns	66915*	in plants	19054 68739 78092
effects on soils	29547 80281	Czechoslovakia	59465* 59474*	78575 100350 1399*	
90851 102288		90257*		in soils	20430 29513 29521
effects on <i>Sorghum arundinaceum</i>	9558	Denmark	19740*	in sugar	107908
effects on spinach	38095*	desert areas	101103	in vegetables	107250
effects on strawberries	75312	dictionaries	56295*	Gasogene	64700*
effects on sugar beets	68595*	encyclopedias	79425*	Gasoline	103613 55665*
effects on <i>Sunn Crotalaria</i>	47524	equipment	43488 64317*	Gasometry	29503
effects on sunflowers	78121*	bibliographies	64321*	Gassia n g	88509
effects on swine	22948 82983	directories	15040	Gasteracantha versicolor	73514*
effects on tomatoes	27755*	maintenances and repair	24029	Gasteria trigona	37769*
		Netherlands	43449* 43450*	Gasteromycetes	
		Florida	49032	anatomy and physiology	100128
		for the blind	59704*	Estonia	26941a*
		Germany	49020* 69678*	Iceland	26938a*
		Great Britain	1680 1689	India	188
		69662 69664		Japan	8839*
				Poland	37017*
				Thailand	46978

\*Text of this reference is not in English.





Item			Item			Item		
Geometridae--Cont			Germanin SEE Suramin sodium			Gibberellic acid--Cont		
control	42752		Germans in Brazil	98035*		effects on lemons	48033	
diseases	64212		Germans in Ireland	66785*		effects on Lunularia cruciata	78694*	
eggs	33379		Germans in Mexico	16721*		effects on mangoes	78819	
evolution	43272*		Germans in Yemen	56253*		effects on Mathiola incana	27829	
flight	33413*		Germariini	23634		27830		
food and host plants	5507		Germicides SEE Bactericides			effects on microorganisms	55278*	
33384*			Geron	14596		effects on Morus nigra	28234	
France	64194*	106023*	Gerridae	5377	95193	effects on Musci	1243	
Great Britain		106060	Gerris			effects on ornamental plants	27996	
immature stages	5502	95395	Gerris cinereus			effects on ornamental trees	27998	
95479			Gesaprim SEE Atrazine			effects on Orthosiphon grandiflorus		
Kenya		32863	Gesneriaceae		79584		38465*	
larvae		53510	cytology	27546a	37757	effects on peaches	99969	
Malagasy Republic		95437*	hybrids		49239*	effects on pears	1125*	58356*
Marra Mountains		95435*	taxonomy	36783	67846	effects on peas	33452	48306
Neotropical Region		14863	varieties		79546		100238*	
Netherlands	33412*	64217*	Gestation SEE SUBHEAD pregnancy			effects on Petasites hybrida	69123	
North America		14890	UNDER Livestock and names of			effects on Picea sitchensis	71226	
parasites		84090*	animals			effects on plant disease	9237	
Pennsylvania		95517	Geum urbanum	89188*	100163*		27286	68284
rearing and breeding	5507	84090*	Gevuina avellana seed oil		75741*	effects on plants	19137	58792
105937* 106026*			Ghee	24828	27335		10113*	48281*
Seychelles		105973*	SEE ALSO Butter oil			effects on Plumeria	58856	
Spain		23894*	Giardia		41741	effects on Populus	38012*	
taxonomy	95507	95508	Giardia canis		103963*	effects on potatoes	1025	9713
95436*			Giardia cati		22329*		19164	78559*
Geophila		26905a	Giardia duodenalis simoni		41860	effects on Rhododendron	18801	
Geophila (fungus) SEE Stropharia			Giardiasis	31646	41741	effects on Robinia pseudoacacia		
Geophila renaris		18832*		22329*	82422*		28234	50832*
Geophilomorpha		53177*	Gibbaem SEE Mesembryanthemum		103963*	effects on rye	931	38146
Geophilus carphagous		63478*	Gibberella fujikuroi			effects on Saccharum spontaneum		
Georgium n n		95618*	anatomy and physiology	27867			47998	
Geotaxis SEE Geotropism				78382	78383	effects on Salvia	89342	
Geotipula SEE Tipula (Geotipula)			biochemistry		10231	effects on Scenedesmus obliquus		
Geotrichum		14170	59042	68913	79017		27782*	
Geotrichum candidum	99514*	99515*	control			effects on seeds	9993	19437
Geotropism			rice		57894*		27963	58796
Avena		9882*	Gibberella pulicaris		99453	effects on shrubs	58744*	
Carausius morosus		5582*	Gibberella roseum		47781*	effects on soybeans	78384	27998
Chrysomela fastuosa		5582*	Gibberella saubinetii	9163	9164	effects on Sphacelia segetum	99835	
corn	27949	58630		68229	9118*	effects on strawberries	9781	
oats		89759	Gibberella zeae	47192	37234*	effects on sugar beets	68743*	
plants	1047	27817		57873*	57930*	effects on sugarcane	47998	
38110	48053	48113	Gibberellic acid			effects on Sunn Crotalaria	68667	
19127*	47990*	48173*	analysis and composition	38556		effects on Syringa vulgaris	48058	
Pterostichus		5582*	effects on alfalfa	38005		effects on tomatoes	47931*	
sunflowers		38109*	effects on Alnus glutinosa	50832*		effects on wheat	68567*	89837*
termites		5605*	effects on Anemia phyllitidis	9506*		in barley	9826	
Geotrupes vernalis		94524	effects on apples	58356*		in cherries	25363	
Geraniaceae	17873*	69258*	effects on Azalea	38432*		in fungi	19406	
Geranic acid		73344	effects on barley	65724	69106	in Fusarium moniliforme	27983	
Geraniol	14296	53061		69307		in Gibberella fujikuroi	68913	
Geranium			effects on Basella alba	18789		in grasses	9826	
anatomy and physiology		48428	effects on beans	27286a	69132	in malting	86008	7013*
Canary Islands		39297		58529*		Gibberellin A <sub>3</sub> SEE Gibberellic acid		
culture		69910	effects on beets	89146		Gibberellins	48010*	
diseases		99216	effects on broadbeans	89398*	89563*	effects on Acetabularia mediter-		
Great Britain		88402	effects on Camellia		19114	ranea	9542*	
hybrids		20011*	effects on Carya illinoensis		38478	effects on algae	100392*	
pest control		94416	effects on cherries		48492	effects on Anemia phyllitidis	19220	
SEE ALSO Pelargonium			effects on chickpeas	47767*	48256*		28163	
Geranium carolinianum		37291	effects on citrus	28180	78819	effects on artichokes	89636*	
Geranium oil	7282*	7306*	effects on Coriandrum sativum		58808	effects on barley	100542	
Gerber test	6383	16205	effects on corn	1183	26782a	effects on beans	27933	58944
74809	106911			943*	89848*	effects on broadbeans	27992*	
Gerbera			effects on currants	58949*		effects on citrus	48450	
costs and returns		56576*	effects on Datura stramonium	38393		effects on corn	10061*	68984*
culture	69926	29842*		58626			69152*	89639*
fertilizers		29842*	effects on field crops	38470*		effects on cotton	9499	69067
fungus diseases		27225a*	effects on flax	9912*		effects on cucumbers		19319
Poland		59679*	effects on fruit	9990	27998		47804	69152*
seeds		27071a*	effects on Gardenia jasminoides		58804	effects on Datura stramonium	37996	
soilless culture		27225a*	effects on grapes	18820	27997	effects on Dipsacum fullonum	48475*	
Gerbera jamesoni	48170*	89515*		1010*	38453*	effects on Fomes annosus	100358*	
Gerbils		31735	effects on grasses	13640		effects on forage plants	9957	
Geriatrics			effects on grasshoppers and locusts	33452		effects on fruit	100335	
cats	13257	31625		78724		effects on grain	48398*	
cattle		82306*	effects on Grewia asiatica			effects on grapes	9532	58693
dogs	13257	31609	effects on Hibiscus rosa-sinensis		78723		58922	78548*
52042	92681			78888		100200*	89710*	89716*
hamsters		92938	effects on hops	18968		effects on lemons	9719	
Germ-free animals SEE UNDER In-			effects on Ipomoea nil	58644		effects on limes	89368	
sects; Livestock and names of animals			effects on Iris	18789		effects on mandarin oranges	38378*	
German cockroach SEE Blattella ger-			effects on Jasminum sambac			effects on muskmelons	69152*	
manica			effects on Jerusalem artichokes		69071*	effects on Myzus malisuctus	105830	
			effects on jute		89218	effects on oranges	28094*	89501*
						effects on ornamental plants	89715*	

\*Text of this reference is not in English.

Item			Item			Item		
Gibberellins--Cont			Gladiolus--Cont			Gliocladium fimbriatum		
effects on parsley		27957*	costs and returns	66913*	87207*	Gliocladium roseum	27155a	100237
effects on peaches		37652	culture	20088	49222	Gliotoxin		68225
effects on peas	9852	58244*		49273	49241	Glichrochilus quadrisignatus		9732*
effects on <i>Phyalis pubescens</i>	100151		Australia		1875	Globocephalus urosulatus	42604	14123
effects on plant disease		47483*	Canada		69821	Globulins		52804
		47566*	Florida	59734	90475	cattle		82994*
effects on plants	48123	58792	Indiana		10768	Hyacinth <i>Dolichos</i>		62239*
58932	78592	1068*	Italy		39259*	plants	19391	10254*
69209*	78641*	78777*	North Carolina		59714	soybeans	100722	19403
89536*	100323*		Rumania		20016*	sunflowers		100723
reviews		78594*	Scotland		10820	swine	104853	78993*
effects on potatoes	58641	19232*	diseases	8932	57846*		104897*	104896*
38358*	47979*	89686*	drought resistance		89478	wheat		75393
effects on <i>Quercus</i>		9929*	fertilizers		8932	gamma-Globulins		30960*
effects on red clover		1211	fungus diseases	9146	47303	cattle	103878	51816*
effects on rice		9897*		47260*	57955	poultry		93326*
effects on <i>Rosa</i>		78137	control	327	57955	swine	32450	104460*
		89736*	Great Britain		10706		51816*	52654*
effects on seeds	1238	68954	hybrids	10700	10848	Globulon		3907
12130*	89640*		injuries		90744	Gloeodes pomigena	9099	77768
effects on sunflowers	27811	89741*	Iran		10746	Gloeosporium		9168
effects on tea		883*	Maine		20037	apples	55141	18099*
effects on tobacco		18853*	pest control		73283*	fruit	18174*	18190*
effects on tomatoes	89377	47771*	seeds		49273	Hevea		77844
58823*	100260*		soilless culture		48018	Gloeosporium alborubrum		9167
effects on trees	48270	68775	soils	11632	19208*	Gloeosporium album		6811*
	78557*		statistics		107985*	Gloeosporium kaki	25522	25521*
effects on vegetables		9901*	Turkey		10746	Gloeosporium musarum	27199a	34815
effects on wheat	1376	10004	varieties	1904	10758	99495	336*	65574*
	89196*		49215	49267	58615	Gloeosporium nervisequum		99345*
effects on <i>Xanthisma texanum</i>	28260		20016*	28940*	38535*	Gloeosporium olivarum	37286*	47308*
in algae	19058		virus diseases		446		88849*	
in beans		59073*	weed control		90744	Gloeosporium perennans	34789*	34791*
in <i>Echinocystis macrocarpa</i>	48544		yields	20023*	45387*	Gloeosporium ribis		27093a*
in <i>Gibberella fujikuroi</i>	19333		Gladiolus tristis		10700	Glomerella		19439
in hardwoods	58773*		Glanderemaeus n g		94678	Glomerella cingulata		99506
in <i>Ipomoea nil</i>	78671		Glanders	3700	30845*	blueberries		420
in lupine	28101	89572		41658*		Bougainvillea glabra		57982
in malting	65775	85947	Glands			coffee	18085	57982
in <i>Nicotiana sylvestris</i>		100144*	<i>Anthrenus flavipes</i>		83872	mangoes		99395
in peas		68856	<i>Apis mellifera</i>		105462	<i>Populus</i>		9082
in plants	1122	9812	<i>Armadillidium vulgare</i>		83806	watermelon	9169	27252a
	10231	48535	<i>Bombyx mori</i>		53114*	Glomerella cingulata orbiculare		99385
in seeds		1121	<i>Dolichopoda geniculata</i>		5585*	Glomerella magna		57936
in tobacco		100144*	<i>Eleodes longicollis</i>		33098	Glomerella tucumanensis		47393
in trees		68866*	<i>Formica nigrans</i>		64161*	Glomeris marginata	5065	94704*
in wheat	68768	48206*	<i>Formica polycetna</i>	64161*	84103*	Glomerulitis		31665*
Gibbsite		20410	<i>Jonespeltis splendens</i>		53211	Glomerulonephritis	103953	103779*
Gibrel SEE Potassium gibberellate			<i>Melophagus ovinus</i>		33206*	Gloriosa rothschildiana		39307*
Gibsmithia n g		36958	<i>Papilio multicaudatus</i>		95428	Glossiblemma n g		83803*
Gibsmithia hawaiiensis		36958	<i>Periplaneta americana</i>		73880	Glossina		
Gid SEE Staggers				14964*	23926*	and disease	94106	105137*
Gigantolaelaps	42494	83226	<i>Polydesmus collaris</i>		63849	Central African Republic		42478*
Gigantomorpha n g		83784	poultry	4204	62876	history		52788
Gilbertella		683	<i>Rhyacophila septentrionis</i>		95620*	Nigeria	4728	31368
Gilia	17785	68627	swine		63255	control		
Gilia rigidula		98984	termites		14964*	Africa		83279
Gillis No 4 test		86474*	<i>Tribolium destructor</i>		94925*	chemical		32721
Gilmaniella n g		99054	SEE ALSO names of glands			Nigeria		4734
Gilpinia SEE Diprion (Gilpinia)			<i>Glaphyria nitida</i>		57654	Northern Rhodesia	81818	103291
Ginger		25458	Glass beads		80121	tests		42467*
Ginger (plant) SEE Zingiber officinale			Glass fibers	11731	20945	Uganda		81873
Gingicain		92689*	81621	50286*	106991*	diseases		64001
Ginkgo biloba			Glasser's disease		42277*	ecology	4734	94106
anatomy and physiology		18567	<i>Glaucium flayum</i>	68403	143*	extracts		95027
biochemistry	89184	19163*	<i>Glaucium oxylobum</i>		19419*	feeding habits		83279
cytology	19310	59083	Glaucoma	3908	92927	geographic distribution		5277
morphology		641	Glaucinite		90927*		94106	42478*
propagation	89230	100007*	<i>Glauraspidia</i>		43209	host animal relations		83279
		27574a*	Gleditsia SEE Gleditsia			hosts		23171
Ginseng SEE Panax			<i>Gleditsia inermis</i> SEE <i>Gleditsia triacanthos</i>			populations		94106
Girard T reagent		45133	<i>Gleditsia triacanthos</i>	53021	73306	rearing and breeding		105120
Giraudia		64168		78484*		shipping		42414*
Giraudiella		83968*	<i>Gleichenia</i>		8756	Glossina fusca group	5277	83967*
Giraultella lopesi		64155*	<i>Gleicheniaceae</i>		98994*	Glossina fuscipes SEE <i>Glossina palpalis</i>		
16-epi-Gitoxigenin		100631*	<i>Glenodium halli</i>		58629	fuscipes		64037
Gizzard	42059	22652*	Gley soils			<i>Glossina longipennis</i>		14597
Gizzard worms	93317	31909*	Bulgaria		39846*	<i>Glossina morsitans</i>	4774	52771*
	62909*	104344*	Germany	40111*	40567*	31335	33166	41380
Glaciers		46701	Japan		101866*	<i>Glossina morsitans submorsitans</i>		4734
Gladiolus	10877	20022	USSR	2553*	39840*		32674	
abnormalities		9526		70323*	70336*	<i>Glossina pallidipes</i>		14018
anatomy and physiology		48018	Gladians			<i>Glossina palpalis</i>		
58615	58616	58769	in wheat	25775	75393	and disease	14010	32674
89478	19208*	89739*		107458	7046*	biology		94091
biochemistry		38629		34886*		control	4734	32654
breeding	10755	10816	properties		75455*			83211

\*Text of this reference is not in English.



Item			Item			Item		
Glossina palpalis--Cont			Glucose--Cont			Glutaric acid		18513
diseases		64001	in potatoes		54987	Glutathione		
ecology	63461	94091	in poultry nutrition		31936	effects on <i>Lilium henryi</i>		18618
nematodes		14010	in poultry physiology	22547	42036	effects on poultry		13446
surveys		83207	in rabbit physiology	82537	93230*	in barley		69307
Glossina palpalis fuscipes		94087*	in rice	19369	63009*	in beans		1314
Glossina palpalis gambiensis		42467*	in rumen		3115	in corn		69008*
Glossina swynnertoni		83924	in semen dilution		82538	in cotton		37957
Glossina tachinoides	4728	4734	in sheep nutrition		82780	in flour		107488
	83212	73152*	in sheep physiology	4354	4362	in insects		53523
Glossodia major		67837	in sheep physiology	4378	13663	in mung beans		28297
Glossy buckthorn SEE <i>Rhamnus frangula</i>				52394	52442	in peas		69008*
Glottiphyllum SEE <i>Mesembryanthemum</i>				104638	63062*	in plants	10189*	48521*
Gloxinia SEE <i>Sinningia</i>					63063*	in wheat		107488
Glucanases	59060	72295	in silage		30824*	Gluten		
	107491		in soils	11345	29579	analysis and composition		6963
Glucans	10186	10241	in starches		6033	7002	16125	
	74341	81520	in sweetcorn		28371	hydrogen-ion concentration		7078
beta-1,8-linked Glucans		100651*	in swine nutrition		32379*	in corn		3185*
Glucides		74634*	in <i>Triatoma infestans</i>		105084	in flour	6949	25570
in animal physiology			in wheat	19094	55277		34906*	34915
reviews		3547*	statistics		85083*		6985*	34953
in apricots		68737*	D-Glucose	58991	74582		7077*	55272*
in casein		85260*	Glucose oxidase		6033		86001*	86036*
in cattle nutrition		51802*	19303	28357	86071	in <i>Tribolium confusum</i> nutrition		33109
in corn		69000*	34008*	34176*	54324*	in wheat	7002	7078
in <i>Dianthus</i>		69287*	Glucose-6-phosphate dehydrogenase				25566	25775
in <i>Erigeron</i>		69287*	in <i>Bacillus subtilis</i>		26755a		34905	34906
in human nutrition		67428*	in blood	32261	42212		107530	6974*
in Lichenes		100675*	in cattle physiology		61747*		34870*	44858*
in plants	1320*	28367*	in <i>Drosophila</i>		62326		65719*	68758*
	47225*	78419*	in goat physiology		33217	products		75417*
Glucocorticoids		92387	in rat physiology		22820	properties		65719*
	31573*	63004*	in sheep physiology		83200	proteins		44858*
Glucolepigramin		103213*	Glucose tolerance test	13389*	22820	quality		16076*
Glucomannans	21641	61444	alpha-Glucosidase	849	44906	Glutenin	75393	75486
	61570	69312		75411			75381*	
Glucoproteins SEE <i>Glycoproteins</i>			beta-Glucosidase		41136	Glutethimide		3878*
beta-D-Glucopyranose-aerodehydro-			in <i>Aspergillus niger</i>	1363	1372	Glycarblylamide		4155
genase SEE <i>Glucose oxidase</i>			in barley		55225	Glycemia		31269*
6-O- $\alpha$ -D-Glucopyranosyl fructose SEE			in <i>Blaberus craniifer</i>		73859	Glyceric acid		89929*
Isomaltulose			in <i>Neurospora crassa</i>		48540	Glycerides		
Glucosamine	55632*	83713*	in plants		37404	analysis and composition		7332
D-Glucosamine		8352*	in yeasts		800	16274	16322	55697
Glucosans		103251	Glucosides SEE <i>Glycosides</i>			in dairy products		66007*
Glucose	55894	64716*	Glucuronic acid	103277		in fats and oils		74805*
acetylation		84784*	Glucuronides	89465			86285	97260
culture media	19406	34176*	Glucuronyl transferase	73629			75623*	75712*
	61857*	68682*	Glues SEE <i>Adhesives</i>			in food industry		85038*
drying		45309*	Glulam	40945	51194	in Hyalophora cecropia		23835
effects on <i>Chlorella vulgaris</i>		9778		51212	103053	in milk	15625	44303
effects on <i>Dictyostelium discoideum</i>		1055		51219*	81468*	in tomatoes		89744*
effects on fungi		19147	Glume blotch		81469*	tests		55612
effects on plants	10268*	89942*	wheat	8987	47370	Glycerine SEE <i>Glycerol</i>		
effects on potatoes		68890	Glutamic acid		24555	Glycerol		
effects on <i>Pseudotsuga menziesii</i>		9709	in <i>Agaricus hortensis</i>		1370*	effects on insects		33023
effects on <i>Rhizoctonia solani</i>		100277	in blood		31841	effects on semen	61961	72702
effects on sheep		22839	in brewing		44155*	3395*	21964*	31663*
in animal physiology		71832*	in carrots		68963	in algae		89800
in <i>Ascaridia galli</i>		32011	in cattle nutrition		103579	in <i>Chrysis shanghaiensis</i>		
in bacteria		70401	in <i>Euphorbia characias</i>		38595*	in fats and oils		33442
in beans		89416*	in peas		44597	in fatty acids		75540*
in blood	52277	52411	in <i>Phlox decussata</i>		38138	in food processing	15469	97216*
	72245	72629	in poultry physiology		82543	64887		54319
	103957	104645	in sugar beets		86455*	in grapejuice		74617*
	52265*	63232*	in <i>Tribolium confusum</i> nutrition		14550	in <i>Monema flavescens</i>		
reviews		3547*	manufacture		65757*	in musts		33442*
in cattle nutrition	12892*	51709*	L-Glutamic acid	13786	18874	in sheep physiology		34244*
in cattle physiology	41625	92445		64715*		in vaccines		22839
	62299*	82245*	Glutamic acid decarboxylase		48646	in wheat		52571
in <i>Chlorella</i>		10134	78369	1370*	69230*	in wine	6269*	34244*
in <i>Chlorella pyrenoidosa</i>		89805	Glutamic dehydrogenases		1293		74617*	
in eggs	35239	86340			82157	in yeasts		89795*
in <i>Eleodes longicollis</i>		33098	Glutamic-oxalacetic transaminase			Glycerol 1-phosphate		73146
in feed	21765	21764*	in blood	13234	13369	L-alpha-Glycerophosphorylcholine SEE		
in fungi		10167	22997*	31547*	72634*	Choline glycerophosphate		
in goat physiology		4383	in swine physiology		52618	alpha-Glycerophosphate		33450*
in honey		86074	Glutamic pyruvic transaminase		13234	Glycerol phosphoryl choline		22843
in human nutrition		17209*	13391*	31547*	72634*	Glycerol phosphoryl choline diesterase		72540
in ice cream		96603*	Glutamine	31841	52408	Glycine		
in <i>Myzus persicae</i> nutrition		33284	Glutamine synthetase		103378	culture media		18256*
in onions		18955	Glutamotransferase		13535	effects on <i>Nicotiana glutinosa</i>		9835
in plants	1291	6738	gamma-Glutamyl compounds		19313	effects on <i>Pseudomonas syringae</i>		58050*
	38004	84802	19359	48633	58992	effects on <i>Rhizoctonia solani</i>		100277
	100209*	100659	Glutamyl transferase		89823	effects on <i>Rhizopus oryzae</i>		19192*
			Glutamyl transpeptidase		48634			
			gamma-Glutamyl transpeptidase		63319*			
			Glutaraldehyde	45082	75630			

\*Text of this reference is not in English.

Item			Item			Item			Item		
Glycine--Cont			Glycosides--Cont			Goats--Cont			breeding		
in beans		9831*	in Paeonia lactiflora		19396		13636	42128		93591*	
in Bombyx mori	73461	94609	in Panax schinseng	48638*	86529*		104573*				
in Kalanchoe		9831*	in peaches		69175	breeds				104573*	
in mung beans		1289	in plants	1396	19305	Agrigento				93584*	
in peas		59045	1294*	28351*	101599*	Anglo-Nubian				42128	
in pigeon physiology		72667	in Plutella maculipennis		19381	Angora	32196	32295		42142	
in plants	10216*	38651*			14885	63036	63071	63072		82747	
in Reseda luteola		38578	in Podophyllum		100721*	13627*	52381*	93570*			
in ruminant physiology		103190	in Populus		81525	Chamois Coloured				22805*	
in soils	49730*	80118*	in Populus trichocarpa		69254*	Granada		34313*		63014*	
in Ulva lactuca		69233	in Prunus laurocerasus		1382*	Jamna Pari		13619		42124	
Glycine (plant)	58381	68543	in Pyrus		100726	Poitou SEE Touraine-Poitou-					
Glycine javanica	11071	58222*	in rape		38642*	Berry					
Glycine max SEE Soybeans			in Salix amygdalina		10267*	Saamen		42141		104587	
Glycine soja SEE Soybeans			in Salix fragilis		1433*	Touraine-Poitou-Berry				51641*	
Glyciphaginae		94773*	in Salix viminalis		89941*	West African Dwarf				13720	
Glycoalkaloids SEE Alkaloids			in Saponaria segetalis		89776*	care		22860*		82879*	
Glycobiarsol SEE Bismuth glycolyl			in Solanum	1345	38603	cytology				82852	
arsanilate			in Solanum armatum		38625*	digestion	62065	22842*		72514*	
Glycocoll SEE Glycine			in Solanum dulcamara		79045*		93622*	104723*			
Glycogen		43917	in sweetpotatoes		77760	draft				72888	
in animal physiology		103251	in tobacco		99219*	estrus		13720		72858	
in Antheraea pernyi		73451*	in Vitex agnuscastus		48557*	farms and ranches		32307		82747	
in cattle physiology	62277	3630*	in wheat		55277	feeding and nutrition		37540		63129	
31373*			in white sweetclover	1415*	38570*		72777	72514*		72773*	
in Chironomidae		95012	in wine		85086*	deficiencies				82773	
in Chrysis shanghaiensis			beta-Glycosides		64265*	India				104611	
		33442	Glycyphana		63964*	Italy				82879*	
in Drosophila melanogaster		105712*	Glycyrrhiza	29426	89911*	pasture and range		20969*		72787*	
in horse physiology		32156*	Glycyrrhiza glabra		61633	fertility		13636		72737	
in Hyalophora cecropia					34000*	genetics		104587		52381*	
		84163	Glycyrrhizic acid		28355*	Great Britain				72725	
in meat		86148*	Glycyrrhizin SEE Glycyrrhizic acid			herdbooks		72725		72739	
in Monema flavescens			Glykofusal		31550*	housing		22842*		22860*	
		33442*	Glyodin		14178	hybrids				104562*	
in Moniliformis dubius		5577	Glyoxylate	1312	19347	industry		16185*		65796*	
in Musca domestica		64024		69280	89833	lactation	13728				
in Periplaneta americana		5599	Glyoxylic acid	3511	68889*	42209	52420	52421		42204	
in poultry physiology	82654	4203*	Glyphodes SEE Margaronia			104682	32286*	42201*		93655	
	4253*		Glyphonyx		42999	82829*	104675*			52418*	
in rabbit physiology		32156*	Glyptini		95356	meat production				71686	
in rat physiology		62656	Glyptopetalum		57574	metabolism	4383*	13693*		22806*	
in sweetcorn		58991	Glyptoteleia		14841*	63083*	63110*	82800*		104675*	
in swine physiology		104806*	Glyptotendipes		43078*	104725*					
Glycolic acid		78657	Glyptotendipes barbipes		5280*	milk production		72883		104741	
Glycolic acid oxidase		100655*	Glyptotendipes glaucus		43080*	4432*	52449*	82873*		93716*	
Glycolipides	48577	12685*	Glyptotendipes gripekovonii		43080*	104654*					
Glycols	20314	39732	Gnamptogenys hartmani		33307	effects of breeding		34313*		63014*	
Glycolysis	4593	13862	Gnaptodon		84081*	effects of drugs				42176	
105562	9837*	59046*	Ganthocera		83884*	effects of feeding		72514*		72787*	
Glyconeogenesis		41614	Gnathosia		63955*	mortality				52434	
Glycopeptides		100589	Gnathostoma hispidum		93895*	multiple births				104691	
Glycoproteins	59000	104073	Gnathoxylocopa SEE Xylocopa			Norway				82871*	
beta-Glycosidase		37299	(Gnathoxylocopa)			parasites				93677*	
Glycosidases	73876	103191	Gnetum ridleyi		58296*	parturition				13686*	
7 beta-Glycoside luteolin		19317*	Gnetum ula		27643	pest control		105135		4763*	
Glycosides			Gnomonia		67966*	pests				105120	
effects on Pieris rapae		95442	Gnomonia fruticicola		58740	poisoning	63077	91931		4433*	
in Acer saccharum		38590	Gnomonia leptostyla		37372*	4434*	93699*	93700*			
in algae		89818	Gnomonia veneta		99417*	polled		42141		104587	
in Aloe		89842*	Gnophomyia		33135	pregnancy	22828	32273		42172	
in Antirrhinum		10201	Gnophos furvata		106023*	42195	63071	72857		72858	
in Armoracia lapathifolia		48648	Gnorimoschema operculella SEE			records and testing				72889*	
in Arachis hypogaea		58974	Gnorimoschema operculellum		42584	reflexes				42201*	
in Baptisia tinctoria		58989*	42627	83336	84131	respiration				42124	
in Betula papyrifera		38590	Gnotobiotics SEE SUBHEAD germ-free			respiratory diseases				42203	
in Brassica juncea		38642*	UNDER Insects; Livestock and names			reviews				104736	
in Cassia angustifolia		38577	of animals			selection				63036	
in cellulose		21701	Gnus SEE Simulium (Gnus)			situation and outlook				25821*	
in Citrullus colocynthis		54998	Goals in rural life		87007	slaughtering				107697*	
in Convallaria majalis		1368*	98162	98176	98209	surgery	13674	32250		42172	
in cotton		96721	98244	98247	98248	42213	52420	52421		72865	
in cucumbers	25440*	99219*	conferences and congresses		98246	52418*					
in Daphne mezereum		10271*	SEE ALSO Values in rural life			temperature				13720	
in Digitalis ambigua		89794*	Goat pox		22794	weight and measurement				4426	
in Digitalis lanata		89948*	Goat sucking louse SEE Linognathus		82842*			13619		104654*	
in Digitalis viridiflora		1310*	stenopsis			wool production		32307		52381*	
in Erysimum		100714*	Goats			SEE ALSO Bucks; Kids; names of					
in Fagus sylvatica		1319*	abnormalities		32273	anatomical parts, body fluids,					
in Glycyrrhiza glabra		69253*	age		4426	diseases and other pathological					
in grapes	10178*	48612*	anatomy and physiology		52458	conditions, operations, parasites,					
in Ipomoea parasitica		59075*			52459	pests, and products					
in Lichenes		69251	ass laboratory animals		52460	Goat's meat				107608	
in Lycium chinense		28334*	associations		104735	Goat's milk					
in mustard oil		26034	Australia		72882	analysis and composition				4383	
in Nerium oleander		69313*				93655	97083	4432*		24855*	
in Oscillatoria chalybia		68460				32286*	54517*	54518*		74740*	

\*Text of this reference is not in English.



Item			Item			Item		
Goat's milk--Cont			Gonionota melobaphes	95391		Government--Cont		
chemistry	34313*	72839*	Goniopsita	105764*		finance--cont		
contamination		85405*	Gonocephalum	23578*		Japan	44581*	45469*
fat	104682	52418*	Gonocnemis	94808*		Netherlands		45462*
nutritive value		76887	Gonomyia	33135	63985	Poland		56833
products		54518*	Gonophora	73572		Spain		97764*
properties	74799	44294*	Gonoplectus	83768*		local	8121	46148
proteins	34313*	63014*	Gonopsis	53418*		46150	46211	46220
quality		72883	Gonospileia glyphica SEE Ectypa			91336		76045
tests		54551*	glyphica			bibliographies		56884
whey		104723*	Gonyaulax	19181		France		87499*
Gobo SEE Arctium lappa			Gonyaulax polyedra	920	9409	Germany		46095
Goera pilosa		33490	Gonystylus	88388		India	46232	56822
Goerinae		33490	Goodenia bellidifolia	9492		98133	98167	108718
Goeiter		91078	Goodeniaceae	18617	27553a*	Iowa		17083
cattle	13029*	72173*	Goose eggs	45244	52221*	Minnesota		67199
horses		82465*	Goose livers	41908*	42077*	Philippines		36086
man		91078	86119*	104250*	62744*	Spain		67002*
poultry	13542	52156	Goose meat	35270*	62744*	Thailand		36086
rabbits		93367*	Gooseberries		78728*	Vietnam	36086	76609
sheep		13029*	anatomy and physiology	100398*	59609*	organization	109243	76589
Goldbachia		57541*	breeding	59609*	59632*	personnel	86687*	86684*
Golden buprestid SEE Buprestis			costs and returns	28891	39100*	public relations		76932
aurulenta		78206	culture	101227	39100*	Republic of South Africa		8148
Golden spider beetle SEE Niptus			disease resistance	9042*	37181*	services		87508
hololeucus		74757	fungus diseases	57973*	88720*	State	34038	34089
Goldenrod SEE Solidago		74758	genetics	27706		34901	36145	36588
Golding test	74757	74758	labor	66508*		67165	76045	
Golenkinia minutissima		78206	pest control	73274		conferences and congresses		27096
Golgi apparatus	47772	52273	propagation	69758*		directories		87515
9450*	27491a*	27611a*	varieties	59609*	39101*	North Carolina		8077
Gomphaspidiotus n g		78138*	virus diseases	83452		Utah		28689
Gomphidae		53383	Gophers	254	50939	SEE ALSO Families, government		
Gomphidius		84223	99223			aid; Policies and programs; Politics;		
Gomphocarpus fruticosus		99067*	Goratensidine		78665*	Subsidies; and name of government		
Gomphocerus rufus		136*	Gorgyra		95484	agencies		
Gomphomastax		73881*	Corpis	105826*		Gracilariidae	73818	53498*
Gomphonema		88469	Gossypium SEE Cotton			105969*		73265*
Gomphrena globosa		14122	Gossypium anomalum	89303	100883*	Gracilentulus n g		95677*
Gonabion		51826*	Gossypium barbosanum		27589a	Grading and standardization		26154
Gonadotropins			Gossypium nandewarense		82292	96180	106669	34114*
cattle	51884*	72190*	Gossypol	86268	93105	Canada		97558
dogs		31612*	cotton pest control		63531	Germany		6122*
effects on animals	81734	61608*	extraction	45175	26089*	India		76840
effects on cattle	82227	103716	in cotton	63531		international	24863*	74598*
3602*	13044*	51857*	in cottonseed	26089*	34487*	SEE ALSO SUBHEAD grading UNDER		
71684*	81999*		toxicity	62740	83039	Livestock and names of animals;		
effects on guinea pigs		82507	Gossyverdurin		16309	grading and standardization UNDER		
effects on horses	52212	71684*	Gouldia terminalis		36937	other specific subjects		
effects on poultry		104352	Gourds	8632	20072	Graffenrieda	36938	88345
effects on rabbits		104548*	Gout		42058*	Grafting (animal) SEE UNDER Bones;		
effects on rats		52145	Government			Skin; Tissues, animal		
effects on sheep	32181	13707*	aid to agriculture	7810	34089	Grafting (plant) SEE SUBHEAD prop-		
22768*	22811*	51951*	36588	45629	55723	agation, by grafting and budding UNDER		
horses		71682*	56889	56926	75988	Plants and names and classes of plants		
mice		62670	97769			Grahamella cuculi		82714
poultry		104245	Appalachian Mountains		26503	Grahamisia n g		73748*
quail		41954	Canada	26647	29916	Grain		
Rhodnius prolixus		43180	Ceylon		7583	accounting		56532
sheep	82840	104616*	Denmark		86940	acreage and area		55630
Gonads		51487*	France	16962*	35562*	97811		
cattle	13055	41664	Germany		35732*	China		65763
92551			Great Britain		66699	Illinois		108605
Drosophila		5243	Hungary		13204*	India	16147	75466
Drosophila melanogaster		95087	India		92168	Italy		44829*
insects		42738*	Italy		16686*	Netherlands		85932*
reviews		105540	Japan		96372*	Poland		86006*
isopods		94751*	Korea		108283	USSR		107523*
mosquitoes		5368	Netherlands		86844*	analysis and composition		16118
poultry	13539	22614	Norway		108306*	16140	25345	34879
104364			Republic of South Africa		7666	65666	74321	75454
rabbits		32150*	Scotland		52389	82035	91078	16128*
sheep	93640	93683	Sweden	75989*	86869*	25589*	25620*	25621*
swine		32381	Switzerland		86823*	25668*	25671*	34902*
SEE ALSO Ovaries; Testes			aid to education		56780	44931*	55274*	55283*
Gonapodya polymorpha		18593	aid to forestry	21054	30565	85939*	85966*	86053*
Gonatobotryum		8858	91422	60886*	102412*	107497*		107476*
Gonderia		91998*	aid to water-resources research		20909	anatomy and physiology		18934
Gonderia ovis		13732	Canada		50629	19067	38481	68920
Gonepteryx cleopatra		106029*	Colombia		76512*	89498	89650	89657
Gongora portentosa		10868	finance	16758	16998	100374	9964*	10020*
Gongronella		99087	46211	84967	87508	38039*	38079*	38080*
Gongylonema brevispiculum		105608*	China		86611	38427*	48398*	68491*
Gongylonema pulchrum		105138*	France		56683*	68765*	69077*	69096*
Gonia		23671*	Great Britain		86609	78606*	78886*	88661*
Gonia kolomyetzi		14650*	Iowa		17083	89464*	89638*	89732*
Gonia macronychia		14650*				100431*		89772*
Gonia zimini		14650*						
Gonionota		95391						

\*Text of this reference is not in English.

	Item			Item			Item	
Grain--Cont			Grain--Cont			Grain--Cont		
anatomy and physiology--cont			culture--cont			exchanges--cont		
reviews	994		China	89990*	90022*	directories	7015	55383
associations	25683*		Czechoslovakia		69366*	Michigan		16129
awns			Denmark		1532*	Nebraska		44946
reviews	994		Finland	1218*	69418*	farms		
bacteria	16159*		Germany	27020a*	38731*	Australia	97838	97939
bibliographies	86037*		East Germany		100812*	Austria		97966*
breeding	18687*		Great Britain	59152	59267	Canada		26837
Australia	90001		68124	89498		Germany	16816*	16859*
Germany	69428*		Hungary	48696*	48752*	Japan		45823*
East Germany	1507*		89997*		50215*	Montana		56495
Netherlands	68633*		Iceland		48710*	USSR	71672*	86956*
Norway	100865*		India		20754	Wyoming		26802
research methods			Italy	19537*	59146*	feed	3461	3464
statistical	48740*		Lebanon		79762*	6535	12882	12897
Sweden	79164		Middle Western States		79221	13647	22091	22125
USSR	28515		Netherlands	68091*	69442*	25062	25065	25892
care and handling	7065		69443*	69444*	90043*	31220	31861	34949
34898			Nevada		90044*	44389	51431	51777
costs			New Zealand		1521	62099	62142	62763
Great Britain	6971		Northern Ireland		48817	65681	75006	75040
97017			Poland		100820	76792	79283	81696
New Zealand			South Dakota		90034*	82064	82080	82137
Sweden			Spain		69441	92309	93107	93108
USSR			Sweden		48753*	96663	97811	97840
care and handling equipment			Switzerland		79177*	103528	104609	104769
24171	84532	107437	USSR	1512*	39086*	3057*	4498*	12647*
25591*	25714*	84353*	90078*	100768*	89638*	54717*	62562*	64400*
Denmark			cytology		34951	71619*	72037*	81657*
Germany			Czechoslovakia		68633*	93136*	93186*	96667*
Great Britain			damage		107512*	104799*	106354*	
USSR			decontamination		43636*	Australia		72056
chemistry	6947	34942	directories	6964	6988	Austria		76837
86016	16139*	65703*	96980	96983		Burma		38719
107512*			disease resistance		79164	Denmark	51523*	51707*
associations			Argentina	298*	77598*	Europe		85504*
conferences and congresses			diseases			Finland		104298*
25554*	34852*	96928*	Australia		77529	Germany		82943*
cleaning	75425	25589*	Austria		88632*	Great Britain		25061
44889*			control	99175	7414*	Idaho		65768
costs			47140*	77490*		Indiana		41516
Germany			Finland		99186*	Italy	65744*	97872*
USSR			Germany		26998*	Kentucky		65191
cleaning equipment	24131*	64501*	86057	25701*	84532	Mississippi		72003
84550*	96962*		65743*	86040*	44949*	Nevada		1521
Great Britain			costs		85993	North Carolina		82035
operation			Finland		100802*	Ohio		54736
tests			Germany	25046*	25640*	Oregon		65768
USSR	5825*	33747*	85927*		44897*	Poland		13466*
conditioning	25545*	25620*	East Germany	44896*	85975*	policies and programs		34500
25701*	44898*	44949*	107520*				85528	
75462*			Great Britain	25625	97009	research methods		
conferences and congresses			Missouri		75371	linear programming		44863
86044	96954	65682*	Netherlands	75418*	75471*	reviews		81650
consumption		65771*	New Zealand		34862	Spain		65686
Germany			Northern Ireland		85917	statistics		25067
Poland			Sweden	25551*	106344*	Sweden		4455*
Republic of South Africa			USSR		7008*	trade		57020
Yugoslavia			drying equipment	24142	44855	USSR		98331
containers			53788	85893	95891	Virginia	16810*	71672*
contamination	16154	65701	24126*	24127*	96944	Washington		54725
85949	99175	25693*	84531*	107452*	64501*	fermentation		65768
44940*	55328*	55330*	Canada		5817	fertilizers	60458	34942
96952*	96984*		Denmark		53782*	10020*	11547*	100374
cooling		33740*	designs and specifications		43628*	20656*		40102*
cooperatives	34911	34918	Finland	5819*	24145*	application equipment		74050
44870	55313	65725	Germany	15204*	33745*	Australia	50144	70569
67239	75004	85978	84528*	95898*	43836*	Canada		20698
Canada			East Germany		5828*	China		101920*
Colorado			15208*	43624*	15199*	Denmark	2439*	60515*
directories			Great Britain	15196	24146	Finland		70736*
Illinois	55264		43639	84525	84527	France	2429*	101900*
Iowa	44867	44868	Ireland		15198	Germany	39915*	39959*
Middle Western States			Italy		74118*	40087*	69428*	
Nebraska			New Zealand	15139	74126	East Germany		80417*
Ohio			operation		33739*	Hungary		20678*
costs and returns	40274	108506	Poland	5820*	5823*	India		20754
Germany	16916*	64501*	reviews		84546*	Italy		40010*
USSR	56097	66428	Scotland		43629	Poland		49483*
credit			Sweden	24125*	24139*	Scotland		11522
culture			53770*	74110*	33759*	Spain		50023*
Australia			USSR	5825*	15201*	Sweden	2353*	69397*
91195	97922		33758*	74120*	33744*	Switzerland		101997*
Austria			enzymes	85995	86005	USSR	11584*	11610*
Burma			exchanges		65746	50103*	60316*	29685*
Canada	19588	28487	Argentina		16082*	91101*		80408*
					16084*	Virginia	50071	70568
						flavor and odor		85966*

\*Text of this reference is not in English.



				Item								Item			
Grain--Cont				Grain--Cont				Grain--Cont				Grain--Cont			
forage plant	59357	69586	71661	history	44845	100831	25590*	pest resistance			4819	42606*			
fumigation	14228	14232	23365	75476*				pests	83363	94287	14155	52824			
63398	63673	83505	52991*	France			107456				94334	73207*			
52997*	94436*			Great Britain			79136								
fungus diseases		394	18178	Hungary			10352*								
18207	44861	47401	77662	Italy			1503*								
88829	27145*	68226*		Louisiana			85920								
Alabama			37274	Montana			56495								
Canada			18212	Northwestern States			85920								
control	88736	47352*	58030*	Spain			7030*								
Finland			77729	hydrogen-ion concentration			85898*								
Germany		27088a*	27121a*	India			19540								
58027*				industry		76924	75395*								
Netherlands			57976*	accounting			87136								
Sweden			47197*	Canada			86028								
Switzerland			57952*	Denmark			44973*								
Germany		27141a*	37315*	Germany		25616*	25623*								
East Germany		9102*	99402*	Mississippi			25703								
Great Britain		9017	27177a	Nebraska			75440								
68124				USSR			107523*								
Ireland			88743	vertical integration			85980								
Montana			57865	injuries	39461	47092*	68091*								
Norway		9051*	27139a*	70148*	88661*	100865*									
Poland			99543*	irradiation			75400								
South Dakota			58008	irrigation			5790*								
Sweden			47285*	China			102123*								
Switzerland			37383*	Denmark			70736*								
futures	55285	65733	85912	Germany											
genetics	9570	34951	58439	East Germany			50281*								
58440	18687*	47925*	68633*	India			40274								
89280*				Poland			91240*								
germination	1144	38476	9770*	USSR			40282*								
38427*	78531*	100865*		keeping quality			85999*								
grading and standardization		16107		labeling			7056								
34876	96939	44823*	84550*	loading equipment		24011*	24015*								
history			25761	43427*	53776*	95697*									
Poland			75408*	losses	7048	7050*	15144*								
study and teaching	34873	85976		malting			79136								
grading and standardization equipment		65769*		marketing	34868	34875	34880								
hardiness	18794	58850*	68091*	34901	44869	55313	75397								
69096*	89690*			85912	96939	96945	96991								
Louisiana			19473	97012											
Netherlands			69388*	costs			34938								
harvesting				European Economic Community			7037*								
costs		84503*		Great Britain		16172	86060								
Czechoslovakia		69438		107536											
Denmark		24131*		Illinois		16109	34956								
France		107435*		India			16094								
Germany				Italy			25680*								
East Germany	10311*	100828*		statistics			44907								
India		16147		mechanization			84324*								
Italy		1503*		microorganisms		14846	25589*								
labor	16623*	66485*		25679*	44964*	55320*	96927*								
New Zealand		34862		96984*	97004*	107494*									
Norway		86038*		milling and baking quality			25724*								
Republic of South Africa		59357		25726*	55314*	69444*	85908*								
Sweden		28461*		107529*											
Switzerland		100854*		moisture	6966	42741	103102								
USSR		79159*		15201*	16075*	44874*	103146*								
harvesting date		28476*	48769*	107510*											
79159*	100802*			determination		15196	16095								
harvesting equipment		74101*		16166	24501	44974	65762								
costs		33688*		86015	107502	44837*	75414*								
Czechoslovakia	24112*	43602*		86025*	107452*	107480*									
106307*				Montana			76032								
Denmark	5800*	74089*	106317*	molds	6966	107524	91924*								
France		43586*		93186*											
Germany	74078*	84479*	84480*	morphology		27580a*	44941*								
95847*	95873*	106338*		nematodes	9280	68051	68312								
East Germany		15144*	24123*	Netherlands		46864*	97015*								
33708*	95861*			nutritional deficiencies			26998a*								
history			95843*	nutritive value		57134	87815								
Hungary	15158*	95872*	95886*	27359*	36357*	39959*	76878*								
Netherlands			43592*	pest control	42741	99175	105150*								
New Zealand		15139		Africa		8914	99255								
Northern Ireland		85917		biological			73175*								
Ohio		84513		chemical	52843*	52850*	57976*								
operation		43590	5798*	83357*											
5799*	74072*	95875*	106303*	Colorado			63388								
parts		5782*	84481*	Germany			27020*								
Rumania			74084*	Great Britain			68051								
storage			33766*	Hungary	14128*	23244*	47140*								
USSR	5773*	5790*	5797*	94312*											
5805*	5813*	24115*	64462*	Iran			52842*								
74087*	74097*	84503*		North America			23224								
				tests			83387								
				USSR		8949*	77490*								

	Item			Item			Item	
Grain--Cont			Grain--Cont			Grain--Cont		
products--cont			situation and outlook--cont			storage--cont		
analysis and composition	75473		Baltic States	107436*		pest control--cont		
25668* 55274* 86053*			Brazil	96710*		Republic of South Africa	73295	
care and handling	75364*	96933*	Bulgaria	55338		USSR	23362*	32882*
chemistry		96927*	China	55295		pests	4887	4898
contamination	75465	96952*	Denmark	107428*		14224	14236	14252
	96984*		European Economic Community	25687*		23355	23358	42737
fortified		55591		65702*		83519	83524	94438
grading and standardization	86052*		France	107456	44944*	23357*	52996*	105346*
hydrogen-ion concentration	85898*		65726*	84755*	107435*	Arizona		83522
marketing	55303*		Germany	6999*	55307*	Australia	52729	53006
moisture	44837*	107452*	India		16094	Canada		105342
packing	44859	55256	Iran		75362	Central America		94432*
pest control		23349*	Italy	16170*	65744*	Finland		105334*
pests	53006	94438	107438*		86019*	Germany	52995*	53000*
94443*			Netherlands		44944*	Great Britain		94430*
Poland		25769*	Poland	55251	55321	habits and behavior	63976	4882
quality	25769*	86053*	Spain		96981*	identification		32878*
Republic of South Africa		6962	Sweden		25655*	Italy		94429*
storage	75364*	96933*	Turkey		65774	Portugal		52992*
propagation		28515	USSR	25691*	25736*	Southern Hemisphere		63947
properties		96952*	85895*		25780*	Texas		105339
proteins	8354	16118	Yugoslavia		55289	Poland		5820*
55261	16096*	34887*	size		68920	regulation and inspection		86045
89638*	107472*		soils	78432	11206*	Republic of South Africa		73295
purchase and sale programs	55251		Canada		26837	statistics	7069	16088
75985	44851*		Finland		2479*	structures	25633	97016
purchasing		85507	France		40034*	Germany		25618*
quality	34919	70148*	Germany		2493*	Great Britain	15333	54025
86053*			East Germany		11658*	106503		
Bulgaria		54273	Great Britain		59267	Poland		74261*
Finland		100802*	Hungary		50196*	USSR		24286*
Germany		97010*	Poland		28444*	Sweden		6960*
Sweden	16135*	28461*	Yugoslavia		40062*	temperature		42741
USSR		79159*	sprouted	1231*	32213*	86057		63672
regulation and inspection		7007	starches		75456*	ventilation		43832
7069	25633	55347	statistics	16081	44866	85916	85955	10311*
Europe		75422*	65680	65693	65730	86041*	96965*	55263*
Missouri		16130	65746	65765	75419	storage equipment		96946
research methods			Argentina		16083*	24286*	106499*	75461
statistical	65687	65759	Australia		75363	surpluses	7000	25692
85997*			Canada		44866	96945		
research programs		97012	Germany		25623*	Sweden		24389*
reviews		6989	India		25735	testing equipment	85910*	86025*
sampling		25583*	Indiana		65691	tests	34887*	34889*
sanitation	14236	23358	storage	6966	8910	44964*	85908*	85999*
55347	86011	96979	25692	25712	34878	theft		7056
sanitation equipment		25593*	44909	44910	56110	threshing		28476*
seeds	58439	58440	74321	84532	16075*	threshing equipment	43636*	53771*
69448*	78666*	97431*	55281*	107494*		Germany		
certified	10360	48754	Bulgaria		44881*	East Germany		106347*
59218	85921*	107878*	Chile		34928*	Hungary		43634*
cleaning equipment		106351*	costs	34938	85896	operation		84530*
containers		55789*	Denmark		6994*	USSR		64509*
drying		55798	diseases	44861	7053*	toxicity		13850*
drying equipment		106351*	55320*	96984*	97004*	trade	17200	25692
Finland	1534*	7418*	France	7004	34865*	27230	36193	67274
France	97420*	97437*	55253*	85904*		98332	67385*	87630*
Germany		7414*	Germany	7050*	7064*	Canada		8206
Hungary	48752*	89997*	85914*	85927*	85938*	China		67330
labeling		85921*	Great Britain		85926	Denmark		87625*
moisture	8910	55806	history		25590*	European Economic Community		107428*
Nebraska		107890	humidity		107450	France		67310*
Netherlands	35325*	45284*	Kansas		25737	Great Britain		98318*
59264*	87633*		Mauritius		107496	Italy		46361
processing equipment		33752*	Missouri		55322	Norway		67335*
quality		86038*	Netherlands	75418*	75471*	statistics		46358
storage		33752*	New Zealand	15139	34862	USSR		57054
Sweden	38164*	47285*	Northern Ireland		85917	transportation		7048
treatment	8910	42057	pest control	4888	4895	by rail	7001	14249
8952*	37380*	47352*	14227	14232	14249	25659	44832	55301
Denmark		99502*	42743	52994	63398	65714		
Germany	8953*	58027*	73292	83502	83505	Canada		34899
East Germany		68115*	94437	105345	32878*	France		85918*
Netherlands		57976*	52997*	52998*	94424*	South Carolina		44925
North Dakota		57757	94428*	94436*	105336*	Southern States		107459
Norway		48414*	biological		105348*	by truck	65691	107437
Sweden		67994*	chemical		105338*	107532		
USSR		77490*	Colorado		63388	by water	17200	34927
USSR	1516*	7415*	Germany	32880*	32881*	107459		75463
10338*	28477*		52991*			costs		55244
vernalization		27903	Ghana		53009	France		75488*
38193*	68765*	89772*	Great Britain	14228	63672	India	7000	25604
viability	38016*	38164*	Italy		23354*	Mississippi		25703
situation and outlook	25631	65759	Pakistan		32369	Poland		75488*
107493	34917*	107463*	Philippines		32888			
Australia		96995	Poland		53002*			

\*Text of this reference is not in English.



	Item			Item			Item	
Grain-- Cont			Grain-- Cont			Granulated insecticides-- Cont		
transportation equipment		84481*	yields--cont			effects on Myzus persicae		52942*
USSR		43891*	France		40034*	field crop pest control		23236*
varieties	4825	79283	Germany	39915*	39959*	leek pest control		63570*
69448*		100789	Great Britain		19523	mosquito control	94163	94201
Alabama		69370	Hungary		87137*	New Zealand		73114
Argentina		77598*	Iceland		48710*	oat pest control		42648
Austria	38747*	79110*	India		107517	onion pest control		23241
Bulgaria		42606*	Indiana	20754	38755	particle size		73077
Colorado		69612	Ireland		10316	pasture and meadow pest control		14158
Denmark	1530*	10350*	Italy		44829*	properties		94163
Finland		69427*	Kansas		19575	spinach pest control		94289
Germany		27141a*	North Carolina	79144	79145	sugar beet pest control		73234*
East Germany		1507*	Norway		38774*	sugarcane pest control	63552	83321
Great Britain	19511	19523	Poland	86006*	90034*	swine pest control		83260
India		59157	South Carolina		69392	turnip pest control		94289
Indiana		38755	South Dakota		48682	vegetable pest control		14110
Ireland		10316	Sweden	1487*	2353*	Granuloma		23693
Italy		44829*	Texas		59163	cats		41783
Kansas		19575	USSR	50103*	60316*	cattle	3712*	13067*
Lebanon		79221	90069*	90078*	91101*	dogs		3894
Louisiana		19473	100768*	107501*	100744*	man		4710
Netherlands	59264*	69378*	Virginia		28538	poultry		72617*
100769*			SEE ALSO Grain banks; Grain			Granulometry	49644*	49875*
North Carolina	79144	79145	elevators; Mills and milling; names			Granulosa cell tumor		3783
Northern Ireland	10389	28504	of grains; and UNDER Pools			Granuloses		
Norway	38749*	38774*	Grain banks	34944	44966	Agrotis segetum		14866*
Oregon		79133	Grain elevators		55280	Choristoneura fumiferana		64180
South Carolina		69392	Canada	16088	34899	105929		
South Dakota		48682	construction	6968*	25704*	Choristoneura murinana		105929
Sweden	1487*	19545*	34881*	85951*	25750*	Dendrolimus pini		105381*
89998*	100814*		cooperatives		6973	Lambdina fiscellaria lugubrosa		64243
Switzerland		10353*	designs and specifications		55331*	Lambdina fiscellaria somnaria		64243
Texas	59163	100788	directories	16109	25612	Lepidoptera		105923
Turkey		48736*	equipment		25591*	Pieris brassicae		33428*
USSR		91101*	Germany	44897*	55332*	Trichoplusia ni		105971
Virginia	28538	50071	Indiana		65691	Grape berry moth SEE Parolobesia		
80357		70568	Louisiana	55370	86042	viteana		
virus diseases			management		44834	Grape erineum mite SEE Eriophyes		
Canada		9251	maintenance and repair		25711*	vitis		
Finland		63557	Ohio		34938	Grape mealybug SEE Pseudococcus		
Italy		9216*	policies and programs		55304	maritimus		
New Zealand		9252	sanitation		25658	Grape phylloxera SEE Phylloxera		
Sweden	63561*	77911*	situation and outlook		34884	vitifoliae		
transmission	63557	63561*	Sweden		25655*	Grape root borer SEE Vitacea		
vitamins	67456	25621*	terminal		55236	polistiformis		
98397*		27345*	types	25717	25690*	Grapefruit		
waste	27344	4502*	USSR		55268*	analysis and composition		65462
71621*		54717*	Grain mite SEE Acarus siro			anatomy and physiology		38415
waste utilization		52405	Grain thrips SEE Limothrips cerealium			58839		
weed control	89650	90484	Grallatotermes		95608	bacterial diseases		18254
90686			Grallobia		63865*	canning		55186
California		90628	Grallolichus		63865*	color		68618
Canada	2023	29364	Gram SEE Chickpeas			culture		99261
chemical		39461	Gramevin SEE Dalapon			fertilizers		38415
Austria		79752*	Gramine		89934*	genetics		68618
Finland		101523*	Gramineae SEE Grasses			irradiation		34796
France		101509*	Graminella bulbosa		33327*	irrigation	40318	50283
Germany		29354*	Grammangis SEE Grammatophyllum			marketing	15956	34740
Great Britain	39456	39460	Grammatophyllum		17688	nematodes		9291
39484	39532--	39534	Grammatophyllum scriptum		49150	nutritional deficiencies		68707
39537	39568	70087	Grammitidaceae		58239	rootstocks	38999	59511
Hungary		59950*	Grammotaulius signatipennis		95619	seeds		18254
Idaho		20301	Gramoxone W SEE Paraquat			soils	38999	59511
Ireland		11048	Granadilla	14216	14316	spraying and dusting		14177
Italy		79762*	19784*	69713*	58416	statistics		96924
New York		29385	reviews		44612	varieties	99260	101147
Poland	49483*	101569*	Granary weevil SEE Sitophilus			yields	50283	60626
Sweden		2030*	granarius			Grapefruit juice		25367*
USSR	29161*	39439*	Grand fir SEE Abies grandis			Grapefruit oil	45149	66004
Washington	29329	60006	Grandiflorol		79063*	Grapejuice		
60011			Granite soils	68347	1029*	analysis and composition		6746
Germany		59921*	Granosan		68083*	15543*	15922*	54981*
Great Britain		39451	Granulate cutworm SEE Feltia			85139*		74617*
Hungary		59954*	subterranea			clarification		65633
Netherlands		79769*	Granulated insecticides			concentrated		15516
South Dakota		70083	analysis and composition		73062	cooperatives		15968
weight and measurement	107532		ant control	23163	104967	enzymes	34814*	44619*
75366*	75472*		application	52702	73114	extraction	16042	34787
yields			73234*			extraction equipment		16027*
Alabama	69370	79112	application equipment		13949	fermentation		44168*
Austria		79110*	52702	63435	73065	flavor and odor	6858*	65615*
Bulgaria		102284*	94067	94270		hydrogen-ion concentration		54981*
Canada		100131	cabbage pest control		94289	manufacture		24689*
Denmark	2486*	60515*	chemistry		94163	molds		65453*
Finland	1218*	2429*	effects on arthropod populations		52741			
48732*	69427*	2479*						

\*Text of this reference is not in English.

	Item				Item				Item		
Grapejuice-- Cont				Grapes-- Cont				Grapes-- Cont			
processing	74581	6858*	44732*	culture--cont				for processing	19915	59641	
65615*	75336*	75344*	75355*	Bulgaria	28912*	59645*		39115*	69799*		
85879*	96289*	96889*	106814*	California	19888	59665		forcing		1788*	
products			44629*	Canada	49104	79511		fumigation		16020	55206
refrigeration			65453*	Czechoslovakia		59655*		fungus diseases		329	37262
situation and outlook			44551*	France	101204	1811*	19880*	77818	346*	88725*	
tests			34241*	49119*	69772*	69773*	79502*	Austria		57927*	77713*
Grapes				90339*	99169*			Bulgaria			99522*
acreage and area			65652	Germany		15036*	39111*	Canada			57887
analysis and composition			25364	Hungary	918*	7946*	10573*	control	47365	68106	37352
54975	85160	85714	25371*	39088*	39347*	69780*	84417*	57983*	77640*	77671*	
34704*	55009*	75219*	85725*	India		10677	49129	California			37301
106847*				Italy		10661*	19861*	France	27082a*	27205a*	77635*
reviews			24646*	19865*	39079*	59613*	69777*	99478*			88669*
anatomy and physiology			918	77501*	77503*			Greece			99307*
932	1010	1012	1117	Japan	28778*	28902*	28908*	Hungary	57908*	57950*	88731*
1196	9669	10129	18786	28910*	49122*	59657*	79497*	88771*	99307*		
18820	19042	19929	27477	Morocco		19886*	69798*	Italy	341*	18068*	18079*
27997	38063	38187	58485	mountain areas		79503*	84417*	18080*	18176*	18232*	27158a*
58693	58922	68732	78355	New Jersey			28892	68105*	88815*	99401*	
89703	100127	100283	1205*	New York		1796	59641	Japan			27157a*
9763*	9764*	9982*	10000*	77513	79506	79517		Morocco			59307*
10136*	10674*	18829*	18949*	Portugal	49132*	59647*	90363*	Oklahoma			57875
18965*	19059*	20618*	27062a*	Rumania		1786*	1813*	Rumania		18199*	18201*
27797*	27965*	28010*	28106*	5733*	10658*	11678*	19857*	Switzerland			77737*
28182*	36648*	37929*	38014*	19862*	19902*	19909*	19912*	USSR		9072*	37320*
38015*	38129*	38207*	38208*	20605*	20618*	20788*	28896*	France			99404*
38352*	38357*	38407*	38453*	Sicily			69777*	Greece			88848*
48161*	48201*	48340*	52933*	South Carolina			1796	Italy			57957*
58521*	58702*	58736*	58752*	Spain			19871*	Portugal	99308	27114a*	57900*
58858*	58880*	58881*	68714*	Switzerland		10609*	10668*	Switzerland			37311*
68841*	68846*	68883*	69005*	10681*	19898*	37110*	39084*	Western Hemisphere	377		77808
69083*	77928*	78349*	78375*	39085*	39098*	49124*	57804*	Yugoslavia			57966*
78488*	78548*	78583*	78633*	Thailand			79500*	genetics	37848	89260	9620*
78635*	78676*	78806*	78829*	USSR	10657	69771	10673*	48201*	77420*	78289*	
79513*	89406*	89469*	89517*	17930*	19772*	19921*	24088*	germination			78636*
89529*	89589*	89604*	89605*	27062a*	28895*	28904*	39117*	grading and standardization			107287
89676*	89710*	89716*	90901*	57799*	59630*	59654*	69785*	hardiness	10136*	19901*	19910*
100113*	100200*	100229*	100278*	79507*	90338*	90351*	90352*	69806*	78676*	78889*	79507*
100297	100419*	100496*	100502*	90362*	90368*	90369*	101222*	101213*			
associations	96312*	96319*	96321*	Washington		932	49108	harvesting	15542*	45551*	54451*
106842*				Western States			2303	54981*			
bacterial diseases		9177	68246*	cytology	9524	89260	99993*	harvesting date		39073*	89517*
biochemistry		48554	58485	Czechoslovakia			18820*	90359*			
1399*	10178*	28307*	38532*	deficiency diseases		18816*	28057*	harvesting equipment			
48201*	48533*	48612*	78936*	defoliation			18949*	New York		50652	84508
89825*				dictionaries			24666*	Republic of South Africa			84458
breeding		1791	59606	disease resistance			59606	reviews			5757*
59610*	59612*		101231	diseases			77610*	USSR	24122*	33731*	84512*
Austria	39080*	79449*	101209*	conferences and congresses			17969*	history			
Czechoslovakia			69801*	control	27041a	64533*	88614*	France			1811*
Germany	39111*	101209*		95830*	99147*			Hungary	69788*	69790*	77061*
Great Plains		39107		Pennsylvania				Netherlands		28897*	39091*
Hungary		101206		USSR				USSR	19911*	39106*	101220*
India		59653		drying		6927	96885	Hungary			19916*
Republic of South Africa		19896*		drying equipment			25527*	hybrids		89260	757*
59643*				ecology		37591*	59619*	Argentina			28926*
Rumania	19863*	19892*	19905*	enzymes			65614	Canada			59626
19918*				equipment		43472*	64544*	Czechoslovakia		69801*	75202*
USSR	19882*	19901*	39108*	Germany			5876*	France	59626	59641	79506
59629*	69806*			Italy			73935*	79511	79517		
color			34247*	Switzerland			64413*	India			59653
conferences and congresses			44212*	USSR		24088*	33655*	New York			59616
59628*	69800*	99307*	106777*	espalier	106269	19912*	24088*	Rumania	1792*	19863*	19918*
containers			34773	24122*	35869*	64401*	64544*	Switzerland			10668*
cooling			85836	fertilizers	38407*	39792*	39896*	industry			
cooperatives	15968	24728	64950*	39899*	60442*	80355*		Australia			65383
64996*	65653*			Australia			1228	Canada			65009
costs and returns				California		60357	91063	Florida			6712
Argentina			35869*	Canada			49104	Hungary			65427*
Austria			57927*	Czechoslovakia			70584*	Israel			64943*
Germany			87182*	France			40359*	Italy		24610*	74641*
Hungary			7946*	Hungary	101963	29841*	50124*	Portugal		65384*	96291*
Italy		26935*	95964*	80318*				Spain		96766*	106824*
Japan			34779*	Italy		70643*	91056*	USSR	15888*	34245*	54408*
New York			87162	Japan		27951*	29839*	64944*			
Republic of South Africa			12883*	Portugal			60469*	injuries	99182	290*	17971*
87025*				Rumania	20619	2391*	20588*	24617*	78747*	79513*	
Rumania			28920*	20605*	20618*	20620*	20649*	Italy			37059*
South Carolina			26943	20679*	20702*	70558*		USSR			27062*
Switzerland			76336*	Spain			50126*	irradiation		34796	107383
USSR	26925*	34674*	76433*	Switzerland			80292*	irrigation			
108168*				USSR	58752*	59639*	70484*	Hungary			91247*
culture			59622	80256*	89589*	91071*	91109*	Italy		101230*	106770*
Argentina			28926*	91110*	91127*	95830*	101952*	Japan			29917*
Australia	10665		101224	101985*				Republic of South Africa			80590*
Austria			28888*	United Arab Republic		60309		Rumania		2509*	20936*

\*Text of this reference is not in English.



	Item				Item				Item		
Grapes-- Cont				Grapes-- Cont				Grapes-- Cont			
irrigation--cont				policies and programs--cont				situation and outlook--cont			
USSR 20814*	59639*	70780*		Rumania 15896*	34684*	85676*		Spain 65399*	65426*		
102244*				pollination 10672*	19905*	38208*		Switzerland 44570*	45605*		
Western States		2303		prices 54273		55181*		soils 100283	70409*	70412*	
Italy 65387*				processing 34787		74619*		90953*			
labor				Hungary 34251*	44769*	55183*		Australia 10665			
Germany 26523*	87182*			Japan 16040*		15558*		Austria 59617*	80025*		
Switzerland 19898*	45605*			Spain				Bulgaria 59645*			
45606* 56215*				processing equipment				California 2592	91063		
USSR 108168*				25489* 44735*				Czechoslovakia 70827*			
legislation 65384*				production regions				Germany 11247*	39866*		
loading equipment 15063				Albania 28805*				Hungary 101237	102085	106269	
losses 14172	65589			California 24694				28898* 80466*			
marketing 98265	6318*	107269*		Hungary 107220*				Italy 89665*			
107287*				Portugal 66661*				Japan 29839*			
mechanization 43472*	64349*			Rumania 85676*				New York 1796			
France 106227*				USSR 34674*	90369*			Portugal 60348*			
Germany 15034*	15036*	15050*		products 24665*	65395*	107218*		South Carolina 1796			
15052*				107219*				Switzerland 80292*			
Hungary 43494*	53634*			propagation 28817*				USSR 19772*	26925*	28904*	
Israel 106200*				by cuttings 101219				Western States 79444			
Portugal 64348*	64350*			1117* 49123*	59644*	59654*		Spain 19869*			
microorganisms 69215	67963*			78349* 89463*	90345*	101230*		spraying and dusting 83424			
74634*				mist humidification 79504				Arkansas 57927*			
molds 74624*				by grafting and budding 39090				Austria 88669*			
morphology 9532	27477a	757*		59605 1205*	1788*	1798*		France 83408*			
9501* 68468*	68469*	89222*		1799* 10659*	19860*	28925*		Italy 18232*			
99941*				28890* 28915*	28917*	28925*		Japan 68097*			
mountain areas 65387*				39078* 39097*	39104*	69793*		Missouri 8968	88659		
nematodes 27353a	99684	77915*		69795* 69796*	79524*	90364*		spraying and dusting equipment			
77942*				100278* 101215*	101233*			5841*	64533*		
nutritional deficiencies 1228				by layering 10656	39105*	59644*		statistics 65646	15548*	16066*	
100424 28055*	29839*	69038*		properties 15932*	17240*	75202*		25534*	44173*	65653*	106783*
88669*				proteins 89676*				storage			
nutritive value 17240*				pruning 39093*	50437*	78747*		diseases 16013	16020	25500	
pest control 99158	83453*			Australia 59623		79513*		44796			
Austria 88560*				Bulgaria 39096*	69802*			humidity 65589			
biological 83456*				California 19907*				USSR 25471*	25476*	25488*	
chemical 63657	63661	83424		Canada 49105				25491*			
73250* 83427*				Czechoslovakia 79505*				ventilation 65589			
conferences and congresses 17969*				France 19880*				study and teaching 39081*	49015*		
France 17968*	32817*	32845*		Hungary 48161*	48340*			59476*			
42663* 57756*	83185*	83408*		Italy 1800*	49123*	59613*		thinning 49105	49120	1196*	
88669*				69779* 79517*	101207*			trade 98265			
Germany 47137*				Japan 28901*				France 46390*			
Hungary 73249*	105252*			Mexico 101205*				transportation 55206			
Italy 32850*	88815*	99147*		New York 59652				varieties 18265	25369	27477	
Japan 94414*				Republic of South Africa 49120				39116	59606	59642	79504
Switzerland 27035*	83398*			101229 19883*				6858*	9620*	10674*	38352*
USSR 23326*	63629*	88614*		Rumania 1801*	1813*	19889*		55181*	59507*	59612*	69794*
94396*				Switzerland 19899*	19900*	90358*		69796*			
Washington 73275				59646*		59637*		Albania 90359*			
West Virginia 27041a				USSR 27062*	59639*	74040*		Australia 101224			
Yugoslavia 83428*				Yugoslavia 28905*				Austria 78289*			
pest control equipment 95830*				pruning equipment 33642	74043			Belgium 34704*			
pest resistance 52933*	63627	42683*		43488* 64412*				Brazil 9763*			
pests 52910	63658			pulp 85714				Bulgaria 38207*	38208*	39115*	
forecasting 83459*				purchases and sale programs 25411*				California 24694			
France 42663				34751*				Canada 1735			
Germany 32871*	42678*	52933*		quality 69787*	85788*	107295*		Czechoslovakia 69783*	69787*		
habits and behavior 105666*				Bulgaria 54273	28912*			69794*	75202*		
identification 95241*				Germany 24687*				Florida 19915	59656		
Iraq 43158				Italy 25441*				France 96258*	101238*	106846*	
Italy 23333*	52922*	105261*		Rumania 1794*	28896*			Greece 44552			
Missouri 42665	95390			USSR 59639*	80256*			Hungary 19881*	28817*	69792*	
Netherlands 73255*				refrigeration 16040*	25513*			69799*	89825*		
Spain 94400*				34704* 55181*				India 49131			
USSR 37171*				rootstocks 39090	63627			Indiana 69775			
Washington 14172				9763* 38357*	39097*	79513*		Italy 49125*	90340*	106782*	
physiological diseases 48031	78705*			96256* 100229*	101213*			Japan 18949*	39092*		
planting 1802	20588*	28906*		Austria 79499*				Madeira 59660*			
39105*				France 49121*				Mexico 101205*			
Bulgaria 69795*				Hungary 101202	1797*			Portugal 28921*	59608*		
California 69778				Portugal 59607*				Republic of South Africa	19895		
Czechoslovakia 69781*				Republic of South Africa 59633*				59643*			
Hungary 101237	28898*	89222*		Rumania 19860*	19862*	19912*		Rumania 1792*	1806*	18829*	
Italy 19861*				28913* 28917*	68714*	69789*		19903*	19904*	69789*	75219*
Portugal 59608*				USSR 49110*	90346*	101233*		96288*	99993*		
planting date 1787*				Rumania 19746*				Sardinia 101239*			
planting equipment 15123	84447*			situation and outlook 25329*	44225*			Spain 90357*			
policies and programs				44579* 64986*	65395*			Switzerland 1805*	10664*		
European Economic Community				France 6260*	45445*	65399*		39084*	39085*	39086*	
Italy 6325*				Greece 85680*				USSR 1808*	19870*	19882*	
Portugal 59647*	64945*	65384*		Israel 74578*				19901*	28894*	28895*	39117*
65410*				Italy 44162*	65399*	107214*		59614*	59629*	76433*	79507*
				Republic of South Africa 65366				90368*	108168*		

\*Text of this reference is not in English.

	Item			Item			Item	
Grapes-- Cont			Grass tetany	81884	39817*	81885*	Grasses-- Cont	
vineyards			cats			3848	culture--cont	
Algeria		76157*	cattle	13046*	39817*	62230*	Italy	1608*
California		69778		62247*	92471*	103713*	100940*	19663*
Italy	6300*	56126*	causes		82177	92368*	Japan	28703*
Japan	58693	68097*	control	92578	62207*	92367*	69609*	33658*
layouts		90367*	France		3468*	3711*	Mexico	28691*
management			Germany				mountain areas	69501*
Argentina		19919*	East Germany			3610*	Norway	19663*
France	49119*	90355*	Netherlands			13134*	Poland	38855*
Germany		27035a*	New Zealand			103649	reviews	38848*
Republic of South Africa		56443	prevention			72265*	Scotland	59320
87025*			treatment		3676*	22255*	Tennessee	69602*
Switzerland		76336*	41581*				Thailand	100942
Western States		79444	causes			103366*	USSR	50391*
Yugoslavia		56481	horses		52115	104127*	cytology	90112*
Michigan		329	sheep			22836*	78089	613
Portugal	65369*	65379*	Grass waterways		11823	20973	99984	728
Spain		24638*	91346				digestibility	13640
USSR		90516*	Grasses				58753	48002
virus diseases	18265	18334	Africa			92	diseases	48481
445*	37429*	77928*	Alabama			69540	drought resistance	103134
Austria		27305a*	analysis and composition			2368	drying	57787
control	37426	464*	30771	48002	90956	93604	5816*	68822
Europe		58109*	107093	3468*	6545*	12020*	ecology	95908
France	18912	9259*	20655*	50109*	51435*	54742*	Bulgaria	48299*
Germany		27281*	81655*	103751*	107083*		Germany	77992*
Italy	18269	47518*	anatomy and physiology			1085	Great Plains	9319*
New Zealand		68277	1164	1275	9805	9826	Idaho	89035*
transmission	18269	18271	9870	9988	26749a	27483a	Japan	27400a
18280	52963*	77915*	27630a	27936	28118	28243	New Zealand	555
83453*	94405*	94406*	37763	38271	38425	48002	Texas	89008*
waste	51719*	71995*	48059	48187	48260	48274	Uganda	78044
107219*			48448	48481	58220	58513	USSR	78046
weed control	90672	39501*	58558	58668	58753	58921	88991*	30771
chemical			67822	69105	78672	78725	feed	78058*
France		101519*	78743	89467	89662	89700	61646	13765
Italy	20279*	79851*	100285	100394	100487	9814*	91812	30769
Switzerland		90722*	9995*	10115*	10864*	18822*	92276*	61672
USSR	2063*	70118*	18865*	27902*	27964*	27984*	93759*	161685
90706*			28253*	38157*	38255*	48299*	conferences and congresses	92275*
Washington	60007	101591	48371*	58263*	68970*	78423*	Denmark	30779
Wisconsin		70184	78437*	78599*	78674*	78748*	Japan	51751*
Yugoslavia		101547*	78764*	78780*	89580*	100111*	Tropics	31236*
weed control equipment		84413*	100450*	100477*			USSR	51728*
yields	27997	79513*	reviews		9871	27837	fertilizers	88991*
Canada	49104	49105	Asia			98919	48448	2368
Florida		59656	bacterial diseases			99548*	89580	32204
Germany		87182*	biochemistry	69213	28378*	38640*	Australia	47076
Italy		19865*	78968*	100650*			91051	70506
Japan		1012*	breeding	19626	38819	78294	Bulgaria	40026*
Ohio		37426*	90146	19615*			Denmark	51698*
Portugal		64996*	conferences and congresses		48923		Estonia	78748*
Rumania	10658*	19900*	California	46842	46859		France	39909*
28896*	28920*		Cape Verde Islands		17790*		Georgia	2608
Switzerland		1805*	Chile		36873*		Germany	70576*
USSR	20800*	26925*	Colombia		98939*		Great Britain	11642
78633*	78889*	80256*	contamination		6564		Italy	20739*
91110*	101222*	101985*	control		20218	49484	Japan	29826*
Grapeseed oil	45105*	75693*	California		29181		Netherlands	80455*
97201*			chemical	11043	11055	29221	USSR	60537*
Graphidaceae		37034	Connecticut			29308	freeze-drying	36622
Graphina		37034	Great Britain	39513	90622		fungus diseases	18721
Graphis		37034	Hawaii		2032		37224	47076
Graphis elegans		68455*	Iceland		61089*		Canada	77770
Graphis scripta		68455*	Japan		39500		control	77742
Graphium		88503	Massachusetts		29272		Estonia	27166a*
Grapholitha funebrana	33353	42718*	New Zealand		101581		France	77708*
83478*	105324*		Switzerland		90722*		Germany	37339*
Grapholitha molesta			USSR		49486*		Italy	47284*
control	23290*	23296*	Great Britain		90715		Mediterranean area	47265*
biological	94041	83456*	Netherlands		30317		Montana	57865
chemical	52912*	94373*	New Zealand		70166		Scotland	37230
China		105320*	Northeastern States		30310		South Dakota	58008
tests	4645	23047	Republic of South Africa		20261		Western States	47288
food and host plants		14194*	culture	80447	91191	101340	Yugoslavia	47287
larvae		33353	Argentina		1615*	19599*	Gabon	57592
nutrition		73836*	Belgium		19670*		genetics	78294
outbreaks		52912*	Bulgaria		90157*		Germany	36852*
Grapholitha woerberiana SEE Enarmonia			Czechoslovakia		79119*		germination	89354
formosana			Denmark		1592*		100281	28253*
Grapholitha zinana	52859*	83312*	Florida		100974		Great Britain	78884*
Graptomyza		83994	Germany	59401*	81080*	90185*	hardiness	88405
Graptopetalum amethystinum		88355	East Germany		28697*	38852*	harvesting	27984*
Graptophyllum		10796	69532*				28651*	1581
Grass grubs SEE White grubs			Ghana			69550	28652*	90197*
Grass meal	82925*	96691*	Hungary			10488*	harvesting date	28118
Grass sickness		92912					harvesting equipment	33725*
							64446*	95862*
							64453*	106318*
							history	79136
							hybrids	17715

\*Text of this reference is not in English.



Item				Item				Item			
Grasses-- Cont				Grasses-- Cont				Grasses-- Cont			
identification		10486	17647	seeds--cont				yields--cont			
29233	36852*	46928*		harvesting	100996	33725*		Great Britain	11642	69533	
Illinois		17675	98891	India		100932		90125			
in pulp and paper manufacture		44439		Iowa		55771		Hungary	48882*	79315*	
India	728	8744	17792	labeling		35334		India		19649	
26907a	58357			marketing		55766		Indiana		69521	
Kenya			10429	Netherlands		69522*		Japan	29826*	38834*	
Latin America			98972*	Oregon		39577		Mongolia		38842*	
Malaysia		97		Poland		38848*		Netherlands	59385*	69522*	
mechanization		84345	33572*	prices		55766		Northeastern States		48906	
33607*	33658*	64344*		properties		84437*		Oregon		28648	
Mexico			49474*	quality	35333	55769		Poland	10427*	59381*	
Michigan			17675	regulation and inspection		55769		USSR	28428*	50109*	59351*
moisture			71639	Scotland	38833	69602		60313*	60537*	80175*	
morphology	612	18511	27483	USSR		90187*		SEE ALSO Hay; names of grasses;			
27578a	28648	37744	58219	viability		38016*		and UNDER Silage			
58220	58357	58363	78145	Washington	70177	73245		Grasshoppers and locusts			
78215	99947	730*	18493*	shading		69538*		Africa	14915	84189	
27452*	27580*	68476*		soils	1172	2115	9707	age		95575	
mulch			20806		11351	37267	40279	allergenic		63470*	
Near East			17645		11214*	70348*		anatomy and physiology		14913	
nematodes	27375	77985	37533*	Bulgaria	40093*	48913*	101676*	14920	23930	33451	53518
Netherlands			57545*	Estonia			69583*	105768	14010*	33453*	53516*
New Zealand	18514	26912	27483a	Florida			100974	and disease			63442
North America			98919	Hungary		10488*	48882*	as pests			52944
nutritional deficiencies			38317	Indiana			99736	biochemistry	5597		14925
nutritive value		3433	3434	Iowa			48871	33450*			
21758	30771	61623	61660	Japan		39970*	69609*	biology	33477	53530	64254
71648	72056	83603	89467	Malaysia			91181	73872	84204	23104*	83385*
93604	103562	3480*	12520*	Missouri			48871	California			23923
18865*	20719*	21794*	41543*	Poland			59381*	China			95562*
41548*	51420*	79273*	81655*	Texas			27431a	color	64244	84189	106077
82013*	103103*			Uganda			30771	106078*			
palatability	28648	48002	21746*	USSR	80175*	101872*		Colorado		53517	73850
pest control			73202	Spain		17767*		control		23082	52687
Canada			42610	spraying and dusting		81689*		Africa			105069
chemical			32767	Surinam		21758		Angola			73210*
Germany				Taiwan		613		associations	105001		93949*
East Germany			105244*	taxonomy	10486	67822	88286	Australia			14151
New Zealand	73185		73195	730*	98939*			Canada	32596	32618	32739
Washington			73245	Tropics			6545*	32782			
pests	14423	14389*	94799*	USSR			57660*	chemical	52898	63588	83168
California			95240	varieties	49266	80048	90451	83385*			
Canada			23931	19989*	48903*	51728*	78780*	India	4822	42593	52944
Florida			4798	90195*	93759*	100919*		Malagasy Republic			23104*
Israel			83353	Alabama			48840	policies and programs			32759
Kenya			32743	Arizona			28633	32783			
New York			14109	Arkansas			69812	Republic of South Africa		23070	
planting	101544	100919*		Australia		11823	79341	tests		4641	
Arizona	28633	79310		Brazil			41543*	USSR		83201*	
California		11952		Bulgaria			90157*	Washington		32805	
Idaho		2596		California			20091	cytology	5584	14925	14936
India	19649	59360		Canada	28690	69857	100977	14939	33464	73882	106071
Iowa		48871		Colorado			69545	development	14914	33473	64257
Kansas		1601		Denmark			101017*	64264			
Kenya	48883	48884		Finland			59765*	diseases			95565
Malawi		9269		Florida		1598	1604	dissemination			4636
Mississippi		69928		France		69578*	79273*	ecology	4822	14929	53517
Missouri		48871		Hungary		28665*	90195*	64254	73872		
New Zealand		10480		Indiana			69521	egg cases			53542
North Dakota		48822		Italy		30790*	79320*	eggs	14936	33477	64257
Northeastern States		48906		Japan			32215*	106103			
Northern Rhodesia		9269		Netherlands			59356*	embryos			73871
Poland	102187*			North Dakota			48821	feeding habits		42442	95573
Southern Rhodesia		9269		Northern States			49246	reviews			53525
Texas		28630		Republic of South Africa			1637	food and host plants	14937		23931
USSR		69526*		Scotland			69602	73872			
planting date		69565*		Southern States	10805		49246	genetics			5591
planting equipment		15122		Tennessee			100942	geographic distribution			106089
pollination		100282		Tropics			38819	habits and behavior	14913		23070
Portuguese Timor		48905		USSR	10864*	48867*	59351*	33466	73873	73865*	
proteins	1275	3433	28243	virus diseases		9252	18290	Idaho			95590
71639	10115*	59399*	70576*	58088*	63561*			immature stages			64253
78748*				weed control				life history		4822	33466
Republic of South Africa	116	19655		Arizona			101563	Mauritius			83385*
research methods				Canada			90607	migration			14930
statistical		78725		chemical	39577	60012	70177	mortality	33473		64244
seeds	2596	9870	36631	101512	39581*			mountain areas			53517
89701	7434*	38640*	47803*	Germany			79853*	Nebraska			52687
certified			86416*	Great Britain			39428	New Mexico			95587
Denmark			95878*	yields	2368	48924	50173	Netherlands			106089
Estonia			69583*	90176				North America			33462
Germany	39581*	45303*	48245*	Alabama			48840	nutrition	14937		33473
79853*				Bulgaria			48913*	reviews			53525
East Germany			69532*	Denmark			101017*	nymphs	23924	95577	105214
Great Britain			38425	Florida			1604	Oklahoma			5570
				France			79273*				

\*Text of this reference is not in English.

	Item				Item				Item		
Grasshoppers and locusts--Cont				Grazing--Cont				Green manures--Cont			
outbreaks	4641	14086	32632	Canada	1605	19630*		Netherlands			39966*
42443*	52717*			Carpathian Mountains		46073*		North Carolina			2384
oviposition			33477	China		108410*		Poland	50089	2394*	29733*
parasites	23548	95565	5289*	Colorado	1582	47681		50155*	70495*		11483*
populations	53531	84204	95565	Denmark		19640*		Rumania		2328*	80292*
105214				desert areas	19611	28657		Switzerland			29684*
predators		95565	95592	48812				Taiwan			70570
rearing and breeding	43323*	53516*		effects on insect populations		94632		Tennessee			20741*
sonification	95592	95571*		fees	26987	45955	56417	USSR	29832*	2343*	11502*
surveys	64264	95564*		Germany				60343*	89989*	50164*	50171*
Tanganyika	33484	83368		East Germany		7998*		Vietnam	70566*	70567*	101916*
United Arab Republic		64253		Utah	28689	35964		Green peach aphid SEE Myzus persicae			
Utah	95588	95589		Washington		7986		Green S dye			22277*
water relations		64257		Florida	72039	92321		Green sand			29677
SEE ALSO Acrididae				Georgia		41525		Green shield scale SEE Pulvinaria psidii			
Grassland farming		76320		Germany	38866*	59375*	62085*	Greenbelts			39189*
accounting		56538		62101*				Greenbug SEE Toxoptera graminum			
Australia	26453	69502		East Germany	103583*	103605*		Greenhouse culture	1697	38097	
Austria	45587*	108425*		Great Britain	11694	13653		49013	78766	89553	90258
Bolivia		98096		19603	22044	22787	28671	38028*	58635*	68796*	68798*
Canada		48860*		51556	51897	63039	69533	68886*	78856*		
costs and returns	26910*	45003*		93608	93668	99774		alfalfa			2311
76409*				Great Plains		556	1603	beans			100129
Germany				Greece			20969*	berries			101232*
East Germany		45763*		Hungary			62144*	conferences and congresses			38943*
Great Britain	16799	16997		India	28657	47679	99796	Coniferae			30314*
69519	108366			Ireland			22052	corn		27863	68680
Italy		11915*		Japan	18434	47683	28678*	costs and returns		66779	35924*
Japan		51805		Kenya			51743	45464*	45896*	87171*	96052*
Netherlands	97821	20560*	20561*	legal aspects		26984*	26985*	cucumbers	9851	100105*	
97964*				legislation			40460*	diseases	27147	99434	99450
New Zealand		108468		Mississippi		103529		37261*	47528*	63668*	99267*
USSR		69595*		Nebraska		72770		endive			20224*
Grasslands SEE Pastures and meadows;				Netherlands	22067*	48898*	60336*	fertilizers	70630	80421	91035
Ranges				New Mexico			28698	20629*	20687*	28202*	60328*
Gravel				New Zealand		10454	12900	60368*	60391*	60412*	80392*
mulch		30379*		22846	32232	48067	101827	80416*			
Gravel culture SEE SUBHEAD soilless				102227	103537			field crops		99487	101995
culture UNDER Plants and names of				Northern Ireland			42149	forage plants		100088	100363
plants				Oklahoma			90129	France			54935*
Graves-Stambaugh process		6494		Poland			92273*	fruit	47268	58016	77822
Gravesteiniella n g		64131*		policies and programs			26755	77671*			
Gravimetry	35173	51656	74743	Puerto Rico			39925	Great Britain			15895
101647	51589*	92969*		research methods				Japan		28910*	39114*
Gravity				statistical		48857		Netherlands		39091*	39119*
effects on Dictyoploca japonica	53515			reviews		18956		39992*			
effects on Drosophila melanogaster		23643		Rumania		59308*		USSR			90338*
effects on insects		63825*		Scotland		4340		fungus diseases		375	37340*
effects on Melolontha melolontha			105673*	Southern Rhodesia		41489		37345*	88685*		
effects on plants		100115		Sudan		94632		Germany		17496*	79426*
effects on Salix		78783		Sweden		72045*		grapes	101206	32871*	77640*
effects on sheep		22850		Texas		51778	51811	100297*			
Gray-Brown Podzolic soils		101719		Uganda	22071	51746	79333	Great Britain		19737	49022
Gray-Forest soils				USSR	3431*	19598*	22043*	69667			
Bulgaria	90922*	101736*	101841*	32369*	99794*			irrigation	29972	43799	54008
101860*	101880*			Uruguay			59362	89545	106485	20885*	40268*
USSR	40675	11556*	29628*	Utah		48812		80562*			
70369*	70425*	70563*		SEE ALSO Ranges; Strip grazing; and				Italy			19733*
Gray leafspot				UNDER Forests				Japan	19751*	33911*	33917*
tomatoes		77865		Greasy pig disease SEE Exudative epi-				labor		26833	26571*
Gray mold				dermitis				lettuce		58784	20224*
raspberries		57934		Greater wax moth SEE Galleria mello-				nematodes	9279	47588	77955
strawberries		57934		nella				492*			
Gray soils		80166	102190	Green crinkle			99659	Netherlands	38938*	38941*	38953*
Gray-Wooded soils		2287	11662	apples				38954*	59462*	59463*	101107*
39836	80069			Green gram SEE Mung beans				1048	1073		8950
Graywall				Green June beetle SEE Cotinis nitida				10570	19998	26833	37115
tomatoes		58652		Green manures	1506	37520	68072	37117	43799	43810	49259
Grazing				71207	91085	102071		54008	59758	64636	64640
Alabama	3441	3444		Albania			91065*	74232	77955	1852*	9729*
Arizona	11643	20829	21950	Australia			60535	10122*	37340*	37345*	39138*
Arkansas	27842	28623	28631	Brazil		11470*	60443*	39199*	47349*	59750*	69838*
Australia	48844	48862	48889	California			20782	69879*	97857*	101267*	
51413	51737	69549	71615	Canada		2446	70501	Australia			54013
79311	81914	81917	91303	China	101920*	101926*	101956*	Arctic Region			10699*
91818	92318	100312	103091	101983*	101989*	102065*	102075*	Belgium			10879*
103572				Czechoslovakia			80485*	Denmark			54924
Alabam		79260		Denmark			2403*	France			77686*
Arizona		20910		Germany			40076*	Germany			101349*
Arkansas		3488	104614	East Germany	11507*		60434*	East Germany	49243*		56576*
Australia	1578	4334	12884	Hungary	29841*	80318*	80351*	59721*	59754*	69826*	
12905	19601	20507	51712	India	1595	2435	11623	Great Britain		1930	20075
51800	52406	93602	93605	20712	20751	20753	20775	45849	49195		
93614	93615	93708		29803	40061	70596	80397	Hungary		29716*	39216*
Bulgaria		59353*		100467				Japan			19937*
California		90855		Italy			80122*	Michigan			48428

\*Text of this reference is not in English.



Item			Item			Item		
Greenhouse culture-- Cont			Greenhouses-- Cont			Greenhouses-- Cont		
ornamentals--cont			Canada			plastic--cont		
Netherlands	38433*	59710*	conferences and congresses	64914		Virginia		33900
88685*			38943*	33899*		Western States		74236
Norway	9131*	69841*	construction	43798	43810	portable	5945	59883
Rumania		20016*	24275*	33897*	33898*	96046*		43814*
Southwestern States		39246	43801*-	43803*	106482*	temperature	43813	54004
Switzerland	101349*	49282*	Canada		74230	74237	84708	106483
USSR		37115	costs	74247	24272*	9131*	38938*	43801*
pest control	14223	23237	France		33903*	64645*	96044*	106480*
63669	94419	8906*	Germany		74231*	types	59805	64635
chemical		32607*	Great Britain		64641	84709*		74243*
Great Britain		83495	Hungary		54001*	ventilation	37271	54002
Hungary		42722	Illinois		64637	64663	10911*	24269*
Poland		42724*	Netherlands		64646*	33902*	54005*	54006*
pests	14114	73285	64656*	106486*		96045*		96042*
32871*	63668*	4799*	New Zealand		106494	ventilation equipment		106491
red clover		28248	Norway		33907*	SEE ALSO Cloches; Coldframes; Hot-		
soils	2311	39650	cooperative		97857*	beds		
58129	60182	2104*	designs and specifications		54007	Gregarina	23505*	83899*
20388*	30046*	39705*	64649	15326*	74235*	Gregarina garnhami		106075*
40356*	60740*	73969*	Australia		54013	Gregarinida	23608	53290*
96071*		80727*	California		15324	Grevillea		88304
reviews		2309	Illinois		64638	Grevillea robusta		10114
study and teaching		79417	directories		97513	Grevillea rosmarinifolia		1869
sugarcane		48953	equipment	24276	43662	Grewia		8611
sweetclover		102098	74237	84707	96041	Grewia asiatica	58849	78724
tobacco		27147a	106490	15325*	24270*	Grewia mollis		77315*
tomatoes	40098	74238	84705*	96040*	96049*	Grewia venusta		77315
trees		30345	Belgium		33913*	Gridellius n g		14521*
USSR		45810*	Bulgaria		43692*	Griess-Illoway reaction		85897*
vegetables	1235	10141	Germany		106488*	Griffithsia opuntoides		27474a*
14114	29743	47342	East Germany		64643*	Griffithsia rhizophora		36970
58536	58556	58557	Japan	33901*	33909*	Griffonia		103562
58670	58936	63669	maintenance and repair		74246*	Griffonia simplicifolia		72054
85748	90510	94419	Netherlands	64634*	96043*	Grifolia obducta		8823
99450	105180	492*	101107*			Grimmia		88450
20629*	29024*	29055*	New Zealand		43678	Grimmia funalis		17834*
29694*	37211*	38288*	reviews		43804*	Grimmia tenera		88444
58726*	60368*	60391*	USSR	43797*	73968*	Grindelia		37838
80392*	80727*	84706*	fumigation		43808*	Grindelia squarrosa		77306*
90520*	90530*	100230*	Germany		30558*	Griphosphaeria		57741
Australia		10920	heating	24271	24273	Griphosphaerioma SEE Clathridium		
Belgium	33892*	33893*	54002	74244	84710	Gripopterygidae		14981
49337*	69992*	70627*	24275*	33914*	33916*	Grisein		4521*
Bulgaria	24275*	29091*	43811*	54009*	106480*	Griselda		95501
29122*	33910*	35924*	Belgium		33892*	Griselda radicans		73829
Canada		49329	costs		33891	Griselinia littoralis		36988
Denmark	54924	88866*	France		106478*	Griseofulvin	68123	77670
France	39330*	59900*	Germany		64659*	Grit		31829
70021*		65385*	East Germany		54015*	Groats	3057*	41917*
Germany		43811*	Netherlands	33904*	54658*	Gronaulax		44830*
East Germany	34661*	60412*	106479*			Gronotoma		73737
54015*	59885*	60412*	New Zealand		106495	Gross national product		43209
Great Britain	1930	5945	Norway		43796*	Grossheimia macrocephala		26418
9279	15895	39353	reviews		84706*	Grosshemine		79043*
59821	59883	45849	Scotland		43812	Grossularia SEE Currants; Gooseberries		79043*
Hungary		39332*	USSR	5942*	96051*	Ground beetles SEE Carabidae		
Illinois		90496	106489*		96052*	Ground cover plants		10861
Japan	33909*	79645*	heating equipment	106477	106491	39270	39305	12019*
90547*	101419*	90501*	64651*	64660*	74234*	Maryland		39237
Netherlands		39992	humidity	84708	96047	Poland		91343*
1978*	10911*	10922*	insulation		43811*	varieties		20092
10969*	18812*	20110*	lighting	24273	33894	weed control		29231
20224*	24272*	39354*	33896	54011	54017	Groundnuts SEE Peanuts		
59805*	59910*	64634*	84708	96047	96048	Growth factors	71667*	91853*
New Zealand	70039	106495	5943*	33912*	54014*	91862*		91861*
Northern Ireland	58627	90544	96050*		89660*	cattle		62067
99704			maintenance and repair		64642	livestock		3048*
Norway	9131*	28108*	106492	15328*	64654*	poultry	4069	22571
58886*	59865*	29132*	management	26833	66779	13475*	13476*	104345*
Poland	10965*	27211a*	35787*	45837*	56410*	sheep		52403
Rumania		90532*	Great Britain		45849	swine		52532*
Scotland		20124*	Massachusetts		49022	turkeys	4069	4114
Texas		9736	Netherlands	43809*	106481*	Growth hormone		4116
USSR	10916*	10931*	plastic	43807	64635	72311	104184	13417
29118*	29958*	35872*	64647	64648	64639	Growth substances		37046
39342*	53626*	69945*	74237	74238	74240	70343*		42392
79694*	79712*	80291*	74244	74247	106493	analysis and composition		46536
USSR bloc		79648*	29695*	43805*	74249*	bibliographies		58552
Yugoslavia		99221*	Belgium		33908*	chemistry		29350*
Greenhouse stone cricket SEE Tachy-			Canada		33918	effects on alfalfa		9704*
cines asynamorus			France		54016*	effects on algae		78877*
Greenhouse whitefly SEE Trialeurodes			Germany	64655*	74248*	effects on Anacardium occidentale		
vaporarium			Japan	24278*	33911*	effects on apples		879
Greenhouses			33917*	33919*	43814*	44794	49076	58590
Africa		106484	Norway		33907*	effects on Azalea		89704
air conditioning	64664	84704	Southeastern States		74245	effects on bacteria		60204*
96047	33902*	54006*	Sweden		30314*			

\*Text of this reference is not in English.



	Item		Item		Item
Growth substances-- Cont		Growth substances-- Cont		Guaiene	86264*
effects on beans	9896	effects on seeds	28138 68862	Guaiol	71562
effects on cabbage	27976*	89749*		Guanaco wool	54907*
effects on chicory	37925 19198*	effects on soybeans	69235	Guanidine	48617* 82174* 99336*
effects on Chrysanthemum	78338*	effects on strawberries	68586	Guanidino compounds	48606
effects on clover	78780*	effects on Sunn Crotalaria	27334a	Guanidobutyric acid	59061
effects on Coleus blumei	18995	effects on sweetpotatoes	28171	Guano	70613*
effects on corn	18616 27949	effects on tomatoes	58699 100489	Guanosine diphosphate D-glucose	78898
effects on cotton	10043 28183	68788* 78558*		Guanosine diphosphate mannose	19316*
69067		effects on trees	21331* 38057*	Guar	41040 58310 85505 100467
effects on cucumbers	18854	effects on vegetables	19227* 38259*	culture	60032 79726 79870
effects on Cucurbitaceae	48064*	78832*		cytology	9530 68594
effects on Cynodon dactylon	58534	reviews	85873	diseases	9191 18172
effects on Dodonaea viscosa	58809	effects on wheat	89418 28277*	bibliographies	47110
effects on Ephedra	19177	effects on Xanthium orientale	48037*	feed	103560
effects on Euphorbia pulcherrima	100351	effects on yeasts	19251 38490	India	75919
effects on field crops	77798	effects on Zizyphus mauritiana	18958	toxicity	85505
effects on flax	100341*	herbicide	11040	varieties	49564 60040 79917
effects on forage plants	78652*	in food	38468 74367	Guar meal	62773 85505
effects on fruit	55194 100335	in malting	85967*	Guavas	
19085* 28083* 58837*	89355*	in vegetable processing	107369	biochemistry	28380
reviews	85873	inhibitors	970 1050 1193	canned	34783
effects on fungi	27137 89348	1278 6393 9852	18923	culture	19782*
effects on Gladiolus	58615	18985 19246 19319	27824	morphology	18646 47766
effects on grain	89650	28050 28078 28140	38161	pests	23602 23957 105950
effects on grapes	10129 19229	38251 38340 38372	38468	pollination	10047*
58736 78548* 89589*		47242 47953 48008	48069	propagation	1035 39014 101137
effects on grasses	78780*	48218 48251 48253	48650	varieties	28843 59510 101156
effects on grasshoppers and locusts	33452	49812 58633 68776	69081	Guazuma tomentosa	10264
effects on Grewia asiatica	58849	69100 78370 78521	78799	Gueldenstaedtia	78
78724		89466 89600 89650	89704	Guibourtia copallifera SEE Copaifera co-	
effects on hemp	38145*	91557 97008 97218	100130	pallifera	
effects on Hylemya brassicae	83349*	100432 100559 18810*	27950*	Guide dogs SEE UNDER Dogs	
effects on Jerusalem artichokes	10054 58772*	28182* 37948* 38162*	38221*	Guignardia	37279
effects on Justicia gendarussa	28171	48150* 48167* 48445*	59076*	Guignardia bidwellii	68106 27082a*
effects on jute	37857	59096* 65065* 68851*	69121*	Guignardia citricarpa	37278 37279
effects on Lemna minor	27856	69239* 78340* 78780*	79828*	37280	
effects on lemons	28173	89408* 89747* 96412*	100187*	Guignardia loricina	37248 37332*
effects on limes	28173 96903	100320*		37392*	
effects on Malacosoma neustrium	83129*	reviews	78417 89582*	Guignotus	5181*
effects on mandarin oranges	48357	regulation and inspection	20241*	Guinea fowl	
effects on mangoes	28172 100099	79787*		care	42102* 62989* 104526*
effects on Marchantia nepalensis	27981	reviews	101488 19211*	diseases	82630*
effects on Morus	48458	synergism	83349*	egg production	42097* 62707*
effects on Nectria galligena	58687*	toxicity	89355*	82706*	
effects on nematodes	88923	SEE ALSO Herbicides; Hormones,		feeding and nutrition	82576*
effects on Nerium indicum	58809	plants; and names of growth sub-		meat production	82532*
effects on oats	9884 28339	stances		selection	82546*
28277* 38177*		Grumia	23818*	USSR	82676*
effects on onions	78178	Grumia carriei	23818*	Guinea pigs	72544
effects on oranges	25496	Grumia krausei	23821*	abnormalities	104160
effects on ornamental plants	78760	Grumosols	11416*	age	61919 104170
effects on peaches	58590	Bulgaria	29505* 29864*	anatomy and physiology	105411*
effects on pears	27874* 28043*	48913* 78571*	101676*	breeding	13404
38245* 89562* 100557*		101937* 102095*		cytology	52131 92960 104209*
effects on peas	18980*	Hungary	90929*	feeding and nutrition	82500 104155
effects on pineapples	89706*	Yugoslavia	29466*	104170	
effects on plant disease	89714*	Grunchia n g	23757	feeding and nutrition equipment	64383
99666 68139*	27334a	Grundner-Schwappach tables	30246*	genetics	41859 82480 92958
effects on plants	1119 1214	Gryllacrididae	64248 5585*	housing	41878 93564*
9754 9893 19137 19285		Gryllacridoidea	23919*	immunization	92962
27858 28206 33452 38124		Gryllidae SEE Crickets		lactation	13417
38323 38468 38541 42431		Gryllodes SEE Crickets		metabolism	104178
48008 48301 48344 48359		Gryllodes berthellus	105246*	mortality	63512
58645 68661 68735 89370		Gryllodes sigillatus	106091	parturition	13416
89520 100474 1063* 9817*		Gryllomorpha	23919*	pest control	23132 105116*
9923* 27806* 48150* 48404*		Gryllopsis	23268	pests	63512 105136*
58572* 58589* 68997* 78626*		Gryllotalpa africana	33449 43330	poisoning	31729 32694 31712*
100397*		Gryllotalpidae	23261	41863* 72520*	
reviews	78440	Gryllus	53548 5590* 23927*	pregnancy	82489 104160
effects on Poa pratensis	27872	Gryllus bimaculatus	53528* 64260*	surgery	82507
effects on Porphyra tenera	58783*	106078*		SEE ALSO names of anatomical parts,	
effects on Porthetria dispar	83129*	Gryllus campestris	33460 73855	body fluids, diseases and other	
effects on potatoes	10054 68703	Gryllus configuratus	53548	pathological conditions, operations,	
68877 78879*		Gryllus confirmatus	53548	parasites, and pests	
effects on Pteridophyta	68937	Gryllus desertus SEE Acheta desertus		Gullies	11805 70830 70838
effects on ramie	38154	Gryllus domesticus SEE Acheta domesti-		80244 91346	
effects on rice	9897*	cus		Gum arabic	40959
effects on rooting	1035 2847	Gryllus pennsylvanicus	14931 14932	Gummosis	
9823 18958 28171 28173		64255 73079 95578		apricots	9151 99433
58849 61155 78760 89486		Gryllus veletis	14932 106099	cherries	47213 47473
89653 10090* 10119* 19202*		Grypoccephalus n g	95201*	sugarcane	47427
69102*		Guadua angustifolia	32916*	Gums and resins	7246 7324
		Guaiacol glycerin ether SEE Guaiacol		81533 51214*	
		glyceryl ether		analysis and composition	2990
		Guaiacol glyceryl ether	31246* 92747*	21661 61552 81533	81534
		Guaianolide	89840	100575	

\*Text of this reference is not in English.



Item			Item			Item		
Gums and resins--Cont			Gymnospermae--Cont			Haemaphysalis		
chemistry	24360	30681	74318	India		5086	14073*	83794*
dictionaries			64727	morphology		Haemaphysalis bispinosa	33071	42941*
extraction	81532	81535	81538	Pakistan		Haemaphysalis concinna		42458
103003	41059*	97266*	102995*	Taiwan		Haemaphysalis cornigera shimogo		63897
in Acacia catechu			102993	taxonomy		Haemaphysalis howletti		83769
in Albizzia procera			69199	Wyoming		Haemaphysalis intermedia		33052
in beans			78419*	Gymnosporangium		Haemaphysalis japonica douglasi		83272*
in Centaurea scabiosa			19100*	88529		94780*		
in Ceratonia siliqua			41040	Gymnosporangium gracile		Haemaphysalis kysanurensis		63898
in Coniferae			71530*	Gymnosporangium haraeum		Haemaphysalis leachi		32672
in Cyamopsis tetragonoloba			41040	Gymnosporangium sabiniae		Haemaphysalis leporispalustris		53185
in Eucalyptus saligna			41054	Gymnosporia bailadillana		Haemaphysalis neumanni		94746*
in food processing	34681	106686		Gynacantha mocsaryi		Haemaphysalis papuana		63899
in foods			74318	Gynaikothrips ficorum		Haemaphysalis papuana kinneari		63899
in grain			75454	Gynandromorphism		Haemaphysalis paratuturis		5085
in hops			107995*	Apis mellifera		Haemaphysalis parva	33052	33071
in Pinus	23409	30681	102733*	Colias philodice		Haemaphysalis punctata		23160*
in Pinus elliotii			102996	crickets		Haemaphysalis silacea		5086
in Pinus halepensis			41052*	Culex		Haemaphysalis turturis		5112
in Pinus peuce		102997*	102998*	Lepidoptera		Haemaphysalis turturis group		5085
in Pinus sylvestris			28008*	Lycaenidae		Haematobia irritans		
in Pinus wallichiana			103003	Gynandromyia		as pests		32671
in plants	6928	16803	29397*	Gynandrophthalma		biology		33154
in pulp and paper			61478	Gynandropsis gynandra		control	4773	13923
in shrubs			91741	Gynerium			32677	63449
in textile industry	44495	65253		Gynerium sagittatum		chemical	42534	63509
in Thuja occidentalis			78077*	Gynura crepidioides		94158	94203	
in tobacco			66261*	Gyplure		cytology		33168
in trees			91741	Gyponinae		habits and behavior		83242
in wood			61346	Gypsonoma		insecticide resistance		13923
in wood finishing			81361*	Gypsonoma aceriana SEE Semasia ace-		life history		73125
India	75919	86530		riana		overwintering		33153
marketing	41054	81540		Gypsophila		rearing and breeding		64019
processing			71530*	Gypsophila paniculata		Haematococcus pluvialis		27654*
properties			41040	Gypsoside		Haematomyzus		95609
reviews	7554	55761		Gypsum		Haematopota suis	83260	94126*
synthetic	81555*	91742*		in soil improvement		Haematopota		73663
reviews			44089	70522		Haematotoxylol SEE Hematoxylol		
utilization research	71527	90666*		91252		Haematotoxylon campechianum		51280
yields	21657	71532	102996	20448		Haematuria SEE Hemoglobinuria		
102998*				101721		Haemogamasus bifurcatus		63847*
SEE ALSO Naval stores; Oleoresins;				18476*		Haemogamasus liponyssoides		14475*
names of gums and resins; and SUB-				60394*		Haemolaelaps		53179
HEAD resin UNDER Adhesives; Ion				Gypsy moth SEE Plutella dispar		Haemolaelaps aegyptius		14021
exchange				Gyptol		Haemolaelaps casalis	23561	4886*
Gur		45315		Gyrinidae		105576*		
Gusathion SEE Guthion				Gyrinus		Haemonchosis SEE Stomach worms		
Gusmania		8748		Gyrocaria		Haemonchus	82845	51912*
Gut edema SEE Edema disease				Gyrophana lacrymans		Haemonchus contortus	22831	32237
Guthion				Gyrosigma		32275	41357	63065
apple pest control	52915	83418		Haastia pulvinaris		63099	63117	71795
citrus pest control	42659	42687		Habenaria		72805	93640	103906
forest pest control	14272	105370		Habenaria conopsea		104714		
fruit pest control		23030		Habenaria radiata		Haemonchus placei		31429
grape pest control		63661		Habrobracon SEE Bracon		Haemophilus SEE Hemophilus		
in alfalfa		105149		Habroleptoides modesta		Haemoproteus		23114
in feed	55078	103095*		Habronemiasis SEE Summer sores		Haemosporidia	62342*	92052*
in fruit		75193		Habrophlebia lauta		94085*	94097*	94100*
in lemons		55078		Hackberry SEE Celtis		cattle		94153*
in oranges	55078	55123		Hackberry nipple gall SEE Pachypsylla		horses		82222*
in vegetables		75193		Hacididismamma		sheep		92906*
quince pest control		23290*		Hackelia patens		Hahniidae		94138*
Gutierrezia		27604a		Hadacidin		Hail		33039
Gutierrezia sarothrae	49525	89216		Hadena basilinea SEE Apamea sordens		control	27027a	281*
Gutta-percha		75810		Hadena caesia		17471*	36549*	37097*
Guttiferaceae SEE Guttiferae				Hadena compta		77077*	77557*	
Guttiferae		29413		Hadena lepidocapsophila		effects on plants		99179
Gyaria		14749*		Hadena pygmaea		Minnesota		37095
Gymnadenia conopsea		57648*		Hadena sordida		plant protection		88663*
Gymnarrhena micrantha		37710		Hadena thalassina		98716*		
Gymnoascaceae	221	8848		Hadeninae		Italy	241*	37059*
26933	99111			Hadrobregmus		Montana		56429
Gymnoascus		26958a		Hadrocarabus problematicus		Hail insurance		66450
Gymnoascus reessii		26959a		Hadronotus		Italy		56126*
Gymnoascus verticillatus		67971		Hadula leucheimeria		Montana		86683
Gymnocalcium		77395*		Haem SEE Hematin		Nebraska		76026
Gymnocarcelia		95072		Haemagogus		North Dakota		76033
Gymnocystodinium unicornae		99025*		Haemanthus		Wisconsin		86681
Gymnodamaeus		105579*		Haemaphysalis		Hair		96725*
Gymnodinium		17842		52810		Bombyx mori		5024*
Gymnogramma SEE Ptyrogramma				70075		buffaloes		82001
Gymnomitron		36953		18664*		cats		41767
Gymnopilus penetrans		47035*		78082		cattaloes		82001
Gymnospermae		8546		Haemanthus albiflos		cattle	21990	71951
anatomy and physiology	1203	37747		Haemanthus katherinae		3696*		
biochemistry		48609		99822		analysis and composition		72020*
ecology		18477		100076*		92538*		
						goats		13711

\*Text of this reference is not in English.

	Item				Item				Item		
Hair-- Cont				Ham-- Cont				Hardwoods-- Cont			
horses	3969*	13366*	62610*	moisture		65887		control--cont			
insects			5308	processing	65912	55534*		Northeastern States		30330	
SEE ALSO Chaetotaxy				proteins		55534*		Oregon		12061	
mice			62648	quality	45053	75550	32318*	Virginia		30341	
properties			25125	research methods				West Virginia		50817	
rabbits		82724	13615*	statistical		45053		cutting systems		30290	
sheep	13711	13749	22770	trade				decay		12274*	
32299	34567	52365	82737	Poland	36243*	36244*		defects		50817	
82821	93582	93713	104702	Hamadryas februa gudula		95511		finishing		12247	
72816*	72817*	72861*		Hamadryas guatemalensis		95511		France		88153*	
Hair balls			92002*	Hamamelidaceae		57454*		fungus diseases	415	9115	
Hair sprout				Hammada leptoclada		100667*		58010			
potatoes			99633	Hampsonia n g		14875*		genetics		21295	
Hairgrass SEE Deschampsia				Hamsters		72550		Germany		81576	
Hairy chinch bug SEE Blissus leucop-				abnormalities		104150		grading and standardization		30613	
terus hirtus				anatomy and physiology		72712		40880	71456	81436*	
Hairy indigo SEE Indigofera hirsuta				breeding		62649		growth	42783	102569	102549*
Hairy vetch	29212	41953	10462*	care		104190		harvesting	40775	51057	61334
48859*	71656*			cytology		82515		Hungary			21679*
Halacaridae			33037*	embryos		104150		identification			81567
Halarachnidae			83763	fertility		92938		improvement cutting	91510		50719*
Halesus			23950*	genetics	82515	104153		50720*			
Halesus interpunctatus			53372	habits and behavior	82516	31742*		Indiana			81567
Halictidae	5451	33321	95282	metabolism		62652		injuries		21333	40701
95324	95327			pregnancy		82503		Iowa			102481
Halictophagidae			106164*	training		92974*		management		9115	30203
Halictus calceatus	53454*		84100*	SEE ALSO names of anatomical parts,				71034	80941	40500*	
Halictus marginatus			53448	body fluids, diseases and other path-				marketing		21493	51173
Halicystis			67918	ological conditions, operations, para-				measurement		40551	61019
Halides	9720	43908	47981	sites, and pests				10249	102481	102493*	
reviews			10248	Handianus		95179*		Minnesota			99753
Haliplidae	23584*		94869*	Handicrafts	17074*	17087*	83385*	Norway	40566*	80919*	102930*
Halisidota argentata			73806	87401*	87518*			Pennsylvania			2884
Halloysite	2256		29488*	SEE ALSO names of handicrafts				pests	14261	42765	42783
Halo blight				Hansfordiella		26965a		73707*			
beans	434	37415	68243	Hapalips		5130*		planting	12129	21282	21318
oats			100048	Hapalosiphon		8817*		preservation			12280*
rice			47457*	Hapleginella laevifrons		43061*		processing		30584*	71556*
Halobates			95193	Haplids		53241		products		12308*	41121*
Halocharis			46872*	Haplocladium percapillatum		99023*		propagation			21254
Halocnemum strobilaceum			27562a*	Haplodiplosis equestris		95001*		properties	12451	30538	81576
Halogen acids			20484	control	32764*	73214*	94317*	pruning		61069	81062
Halogen compounds	53523		70406*	outbreaks	32761	42628	52850	pulpwood	2976	2989	12381
Halogeton glomeratus			20226	Haplogynae		33044*		12383	12384	40775	81499
Halonabis			105826*	Haploidy SEE Polyploidy				81512	91721	102983	12379*
Halophila ovata			18575	Haplomitrium intermedium		8779		21566*	51234*	51240*	
Halophytes	10005	18848	79341	47713				France			30637*
90433	89043*			Haplomyza		23700		Rumania			51265*
Halosphaera viridis			608	Haplonyx tibialis		73310		Southern States			61478
Halosphaeria mediosetigera			1190	Haplopappus SEE Aplopappus				quality		91738	40923*
8876	100435			Haplopelthea n g		99058		seasoning			2928*
Halosystates SEE Systates (Halosystates)				Haplophallus		84234		seedlings			21253
Halothane SEE 2-Bromo-2-chloro-1,1,				Haplopholin		48547*		selection cutting			61188
1-trifluoroethane				Haplophthalma		105590*		situation and outlook			21472
Halotydeus destructor	14158	73240		Haplophyllum		46869*		soils	2761	29630*	39807*
105191				Haplophyllum dubium		58963*		Southern States		21524	91698
Haloxon SEE O,O-Di-(2-chloroethyl) O-				Haplophyllum foliosum		48547*		starches			14259
(3-chloro-4-methyl coumarin-7yl) phos-				Haplopyxis SEE Uromyces				Sweden			91608*
phate				Haplosporella		67950		Taiwan		40500*	50719*
Halozetes			94795	Haplothrips bournieri		33516*		Tennessee			51171
Halters	5720*		5731*	Haplothrips crassicornis		33516*		trade			
Haltica (Coleoptera) SEE Altica				Haplothrips (Pallidothrips) n sgen		64285		Europe			40748
Haltichella rufipes			14808*	Haptoglobin		51546*		transportation			51057
Halticidae (Coleoptera) SEE Chrysomel-				Hard pad disease		104008		Tropics			40748
idae				Hardboard SEE Fiberboard				underplanting			30355
Halticinae (Coleoptera) SEE Alticinae				Harding grass SEE Phalaris tuberosa				Virginia			61339
Haltos SEE Methyl bromide				stenoptera				weed control			12046*
Ham				Hardwoods	12325	12342	12443	West Virginia		81403	91510
adulteration			65887	30528	30632	40600	40969	Hares		61251	77617*
analysis and composition			55444	51225	21686*	40949*		Harffer poplar SEE Populus euroameri-			
63351*				anatomy and physiology		9789		cana			
bacteria			44614*	21706	30356	48200	58773*	Harknessia eucalypti			38351*
canned	35101*		44614*	68833*	68860*			Harlequin bug SEE Murgantia histrionica			
bacteria			35010*	associations		51157		Harmane SEE Aribine			
processing			35105*	breeding		21295		Harmodia			105991*
properties			55528	Canada		103062		Harmolita hordei	42635		43229
quality			97131*	chemical products	91738	81536*		Harmosma SEE Lobesia (Harmosma)			
canning	55528		55542*	chemistry		51331*		Harness	24072		73990
consumer preferences			7135	conferences and congresses		51158		Harpactorinae			95178*
cooked			107674*	control				Harpagophoridae			83768*
cookery			35010*	chemical	71196	71212	81072	Harpagophytum procumbens			68596*
cooling			35101*	91541	91548	91554		Harpalini			33076
curing	45081	65912	107687	Germany				Harpalus pubescens SEE Harpalus			
35101*	75645*	86204*		East Germany		61068*		rufipes			
fat			75550	Maryland		30326		Harpalus (Pseudophonus)			33076
grading and standardization			86177	Massachusetts		30331		Harpalus rufipes	105294		94379*
losses			107674*	New Jersey		30326		Harpegnathus			33303

\*Text of this reference is not in English.



			Item				Item				Item
Harpocera			95264*	Hay-- Cont				Hay-- Cont			
Harposporium			192	drying-- cont				processing equipment	33746*		43607*
Harrows				Great Britain	21751	24148		proteins			96666*
Australia			5745	Missouri		75371		quality	44400	82031	91835*
Germany	43527*	43552*	95817*	Netherlands	15205*	53785*		96670*	96704*		
Hungary			5739*	64510*				Arizona			85508
Italy			74028*	New Zealand		95905		Australia			10508
Japan			64410*	Northeastern States		84518		Great Britain			15797
operation		33652	95817*	Sweden	10509*	21745*		Poland	69591*	70592*	80585*
tests			64416*	Switzerland		49387*		Republic of South Africa			72091
USSR	53691*	70673*	74030*	drying equipment	74116	95844		Sweden			71985*
84406*	95703*	106273*		95891	15188*	24130*		Tanganyika			78678
Hartigia nigra			105281*	24140*	33742*	64503*		spontaneous combustion			15206*
Hartong method		6275*	44235*	Australia		74108*		stacking	24283	33924*	43826*
Hartsells soils			11399	Denmark		106346*		statistics	34501	65234	107078
Harvesting				Finland		74114*		storage		24283	71635*
costs			16905*	Germany	33745*	74124*		costs			75039*
equipment	33721	53751	33689*	84551*				Idaho			64514
costs			33666	East Germany	84521*	84524*		structures		96060	15341*
Germany	43610*		106324*	84548*				ventilation		65200	37342*
hazards and safeguards			64446*	Great Britain		84554		65236*	75039*	75043*	75060*
maintenance and repair			33699*	Hungary	5832*	33761*		96680*			
mountain areas			64414*	Idaho		64514		Sweden	3046*	3065*	34498*
operation		15142	95868	Ireland		15198		tests		44400	96704*
5768*	5797*	106330*		Japan		43625*		transportation equipment			24128
Hungary		95852*	95870*	Norway		84557*		43680*			
Japan		33699*	64457*	Pennsylvania		24136		vitamins			41495
parts			106330*	Poland		74109*		yields	107078	2370*	38843*
Poland	43597*		64471*	Scotland		15211		79350*			
research programs			33720	Sweden	5795*	5796*		Yugoslavia			85518*
tests			33723*	53773*	53786*			SEE ALSO UNDER names of forage			
types			15153*	Switzerland		95910*	106359*	plants			
labor		26554	86713*	tests		15186*	43625*	Hay meal	6536*	12891*	31827*
Connecticut		66517	86759	feed		13648	22039	Hay wafers	43619	53759	62100
Finland			76046*	22073	12897	51785	72061	106352	43607*		
France			45551*	92281	22091	93603	93624	bibliographies			41228*
Germany			76051*	95769	108538	51759*	84401*	reviews			43630*
East Germany	16643*		56174*	92307*	103595*			Hazelnut (shrub) SEE Corylus avellana			
Idaho			7711	grading and standardization		65210*		Hazelnuts SEE Filberts			
Italy			66484*	harvesting		13648	75043*	HCG SEE Gonadotropins			
New York	66499		86731	costs		28652*	64448*	HCH SEE Benzene hexachloride			
Taiwan			35553*	Denmark		1587*	82033*	gamma HCH SEE Lindane			
USSR			16640*	Finland			1589*	HCN SEE Hydrocyanic acid			
Virginia			45567	France			1606*	Head			
SEE ALSO UNDER names of crops				Ireland		100969		Calliphora vicina			43109*
Harvestmen SEE Phalangida				mountain areas		48808		Caryedon gonagra			33106
Harvestore	24134*	43617*		New York		10466		cattle	4361	104626	21995*
reviews			64500*	Sweden		10509*		51863*			
Hashish	48571*		69238*	harvesting date	28655*	79350*		chinchillas			62572*
Hasora hurama		105959		harvesting equipment		43615		Crambidae			95398
Hats		51317		53758---53760	64489	74104		Diptera	33147	84011	83961*
Hattena n g		53179		95844	43607*	64453*	64480*	dogs	3815	3881	92704
Hauchecorne reaction	26092*		66037*	84478*				62510*	82363*		
Haworthia			88277	Australia		5770		Dysdercus cingulatus			5420
Haworthia duval			49207*	Colorado		74070		Ennomos subsignarius			95406
Hawthorn SEE Crataegus				Finland		74085*		Hemiptera			73721
Hay				France		5763*	5764*	insects		14361	14363
analysis and composition		15797		Germany	74100*	84502*	84515*	Machilidae			95602*
3046*	3574*	22057*	27783*	106308*				Myrmeleontidae			95604*
29479*	34498*	47755*	51430*	East Germany				Odonata			73890
75031*	75032*	85518*	107109*	Hungary		84470*		Papilio demoleus			64242
baling	22105	24017	72090	Netherlands	15134*	64448*		Periplaneta americana			84186
106327	53741*			Poland	74076*	74086*		Plutella maculipennis			14851
baling equipment	53754	74071		Sweden	5795*	5796*		poultry		52235	93217*
106207	43632*	84507*		USSR	106304*	106335*		Rhodnius prolixus			105819
Germany	64475*	84473*	106337*	Japan		96701*		Rhyacophila septentrionis			95620*
Pennsylvania			84487	labor		76046*		sheep	4361	104626	13710*
Brazil			82117*	loading equipment	24017	106207		Thysanoptera			64280*
care and handling	74070	74123		Australia	5651	43457		Thysanura			43388
84487				Germany	64333*	106337*		Head, cheese			65937*
care and handling equipment		24128		Netherlands		15152*		Head louse SEE Pediculus humanus			
106405*				Switzerland		15067*	24044*	capitis			
conditioning		65200		losses	71635*	75043*	84515*	Head smut			
contamination		51405		107102*				corn			357
costs and returns	16913	56562		marketing		54693		sorghum	344	357	47358
97991				molds	13014	51405		Sorghum vulgare sudanense			357
digestibility	21751	72043	81811	Norway		3473		Health	17048	46160	56772
82789	10310	103530	41254*	nutritive value		21751		8074*			76048
42178*	51438*			21787	21792	22081		Africa			76654
directories			6964	22105	22115	31181	41494	Antarctic Region			17035
drying	15197	21787	53787	41519	61658	72784	3065*	Arctic Region			17035
74115	84515*	84559*	96670*	5816*	30783*	41254*	51391*	Austria			21074*
103119*				51430*	51729*	61624*	71657*	conferences and congresses			8116
Belgium			95907*	75032*	75043*	80585*	91838*	98180			
costs	95900	74124*	75043*	pest control		13989		France			76639*
Germany	64499*	84543*	95899*	prices		34776	85508	Germany			
East Germany	30819*	84549*		processing	43619	72784	3103*	East Germany			76618*
106345*	106353*			15206*	72042*			Guatemala			8080

\*Text of this reference is not in English.

	Item				Item				Item		
Health-- Cont				Heart-- Cont				Heat-- Cont			
Mexico			27075*	horses		3990	31689	effects on <i>Hordeum leporinum</i>			38788*
Montana			46163	diseases	3974	3980	13395	effects on insects	13909		52994
mountain areas			46169*	72481				53162			
Pacific area			8089	<i>Hyalophora cecropia</i>			73822	effects on jute			25133
Poland	33520*		67192*	insects			94652*	effects on lard			86237*
policies and programs			26532	<i>Periplaneta americana</i>			73869	effects on legumes			48536
98141 108677				<i>Porcellio dilatatus</i>			23558	effects on lettuce	34756		58587
California			56896	pigeons			82616	effects on <i>Lolium perenne</i>			1071*
Guam			8083	poultry			13492	effects on meat	25867		8352*
India			36079	rats			104193	effects on meat cysts			75657
Mexico			87416*	sheep	82838	72801*	72802*	effects on microorganisms			43916
Philippines			67194	swine	32396	55456	104885	97082*			
public			42505	4565*	93822*			effects on milk	3497		15688
56760 73154	42496		76899	turkeys			22672	15693 24834	24848		54520
94184 98164	57186*		67488*	Heart block			22418*	34337* 34341*	96599*		
bibliographies			67167*	Heart failure				effects on oats			18979
Brazil	67124		87745*	cats			3830*	effects on <i>Penicillium roqueforti</i>			96624*
California	4683		94176	dogs		72383	3810*	effects on <i>Pinus radiata</i>			50884*
Costa Rica			108673	swine	82990	4611*	42312*	effects on plant disease			429
developing areas	76864		108743*	83053*				9234 9261	18240		18301
Germany			84815*	Heart rate				18338 37246	37421		58133
East Germany	8104*		27320*	cats			3830*	77872 99537	99591		99595
Great Britain			83225	cattle	22195	103870	41566*	99653 47547*	99621*		
Ghana			56808*	82216*				effects on plants	19007		78474
India			22969	dogs	31611*	72441*	31559*	756* 9649*	9974*		27911*
Israel			80649	31611*				38216* 47705*			
policies and programs	108748		67167*	goats			42124	effects on <i>Poa pratensis</i>			1134
statistics			57077	horses		3963	22412	effects on potatoes	37886		100555
study and teaching			8135	<i>Periplaneta americana</i>			33478	48463*			
Thailand			67186*	poultry	4079	13495	41983	effects on poultry	13506		42045
Togo			14070	rabbits			52350*	93084 32132*	42005*		93361*
Uganda			67162*	ruminants		51522	81748	93517* 93527*			
USSR	36082		5938	sheep			42124	effects on proteins	6361		65035
Washington			52763	Heart rot				65069 93352	57132*		96594*
services	17036	36091		hardwoods			9115	106924*			
98135				Heartworms				effects on rice			69113
Africa			76654	dogs	3809	13227	13266	effects on rubber	16373*		16374*
Brazil			67124*		13299	22350	31619	effects on seeds	48414*		58735*
Connecticut			27089		31632	41768	52019	58745* 78312*			
developing areas	108683		76646*	reviews	72428	82405	105146	effects on sheep	12627		13749
France			87426	transmission			31562	93712			
Missouri			36064	treatment		94075	22354*	effects on soybean meal			30774*
New York			56880	Heat		92686	103998	effects on soybean oil			107699*
Scotland			67162*	effects on <i>Aedes stimulans</i>			14706	effects on soybeans			107739
USSR			8075*	effects on algae			1076*	effects on starches	24352		25582
Venezuela	8122*	8138*	36094	effects on animals		15289	22419	75456*			
Virginia			64298	103331				effects on sugarcane			47984
Southern Rhodesia			46228	effects on <i>Apis mellifera</i>			73395*	effects on swine	12627		32560*
study and teaching	42484		8072	effects on avocados			289	effects on <i>Synechococcus</i>			68985
Surinam			46169*	effects on bacteria		3593	6362	effects on tobacco	86507		45366*
Switzerland			8101	34017 66112		74323	74360	effects on tomatoes			100259*
Thailand			76654	106586 107600		15653*	24820*	effects on <i>Tradescantia fluminensis</i>			
Tropics			46158	54527* 55431*		94567*		882*	991*		1070*
Uganda			46109*	effects on barley		9664*	38788*	effects on viruses	22848		27276a
USSR	26576	32670		effects on beans		54995	69146	75267 99585*			
SEE ALSO Dietetics; Human diseases;				effects on butter			86237*	effects on wheat			38634*
Immunization; Physicians; Soils,				effects on cabbage			27919*	effects on wood	41125		103041
plant-animal relations; UNDER				effects on <i>Campanula persicifolia</i>				2931* 12453*			
Children; Indians; SUBHEAD public				882*		1070*		effects on yeasts	48238*		100220*
health aspects UNDER Veterinary				effects on casein		74786	74816	effects on <i>Zebrina pendula</i>			991*
medicine; and SUBHEADS UNDER				24869* 54550*		96452*		in cellulose hydrolysis			23737
Human nutrition				effects on cattle		12627	12854	in corn processing	25718		44950
Health insurance			7647	13115 31255		51869	51865	in dairy products processing			54677
Austria			56845*	51958 72307		92192	92387	in fiberboard manufacture			81556
Italy	35503*		35504*	92420 3617*		3724*	41454*	in food processing	6143		24503
New York			97631	82216* 92377*				24504 25477	85026		96938
Sweden			86674*	effects on coconut meal			44395	54309* 85027*	107673*		
Heart	51517	51561	61817	effects on collagen			25838*	conferences and congresses			54308*
<i>Blaberus craniifer</i>		5579	84193	effects on corn			34871	in fruit juice processing			75267*
buffaloes			92232	effects on cottonseed meal			34487*	in fruit processing			107385
cats			13258	65993*				in grain processing			44890
cattle	3648	103772	92599*	effects on <i>Cynodon dactylon</i>		27810		in meat processing	55528		55540
diseases	62405	3545*	13169*	effects on <i>Dactylis glomerata</i>		882*		in milk processing	107054		85447*
31320*				effects on dogs		41773*	41793*	96594*			
diseases	3208	61763	71727	72372*				in plywood manufacture			81476
92053 103157				effects on eggs		7374	97341	in pulp and paper manufacture			21638
treatment		21900*	91944*	effects on enzymes			44302*	51256			
dogs	22345	41788	72376	effects on equipment			84736*	in veneer processing			102940
72436 104051	104035*			effects on fats and oils	16336		35169	in veterinary medicine			62363
diseases	22366	72388	92722	66047 16338*	97232*			in wheat processing			25637
103988 104024	3805*	62540*		effects on fibers	25122	25275		in wine manufacture	74561*		74608*
72396* 82386*				107152 15822*				74658* 96284*			
diagnosis	13234	103987		effects on fishmeal		91863		in wood processing	21449		61390
3807*	82395*			effects on fruit juices		44798		71464 71482	102887		41176*
treatment			3898*	effects on goat's milk		74740*		61348*			
<i>Galleria mellonella</i>			23845	effects on grain	34887*	55262*		in woodworking	51218		40926*
								plant protection	50256		77572

\*Text of this reference is not in English.



Item		Item		Item	
Heat pumps	84636	Helicotrichon mongolicum	58319*	Helminthosporium carbonum	77752
Heat stroke	82960	Helina	73673	Helminthosporium cynodontis	37008
Heath SEE Moors		Heliococcus	53410 14722*	Helminthosporium dictyoides	89345
Heath (plant) SEE Erica		Heliocopris bucephalus	83834	Helminthosporium gramineum	47223
Heather SEE Calluna		Heliodorus n g	95072	Helminthosporium halodes	37268
Heating		Heliophanus	94702*		68163
SEE kinds of heating and UNDER		Heliophorus epicles group	5510	Helminthosporium maydis	68235
specific subjects		Helioprosopa	95073	Helminthosporium oryzae	18082
Heaves SEE Pulmonary emphysema		Heliothis	73184	27201a 37292 47316	47372
Heavy water	37780 37974 58863	Heliothis armigera		48598* 58787*	
65719*		Australia	14099	Helminthosporium papaveris	99393*
effects on beans	27845*	development	83345*	Helminthosporium papulosum	27237a
effects on corn	69076	host plant resistance	83283*	Helminthosporium sacchari	9123
effects on Drosophila melanogaster		India	23212	Helminthosporium sativum	377
effects on Mentha piperita	53330	Israel	4832	395 9011 9123	37267
effects on peas	68741	larvae	5513	47224 68154 68225	68915
effects on yeasts	69076	parasites	5478 84082		
in animal research	27958*	Sicily	105199*	oats	99438*
Hebe	13893	Sudan	105172	Poa	99473
Hebeloma radicosum	29017	Tanganyika	83296	Helminthosporium sorokinianum	37213
Hebrus	8886*	Heliothis armigera (in New World) SEE		Helminthosporium spiciferum	27213a
Hecajapyx	84047*	Heliothis zea		67969	
Hecalidae	73903	Heliothis nubigera	105199*	Helminthosporium teres	400 9140
Hectarthrum sagenum	33288	Heliothis obsoleta SEE Heliothis zea		47386 47387 68154	
Hectorellaceae	33103	Heliothis peltigera	5527 83284*	Helminthosporium turcicum	353
Hectorite	58228	Heliothis punctigera	14099 52829	9032 9123 9579	18137
Hedeoma	2145	Heliothis virescens		37718 47201 47317	68145
Hedera	8684	control	13919 32745 73173	68235 47323* 47324*	77744*
Hedera helix	1009 89836 48636*	immature stages	33421	Helminthosporium vagans	68154
Hedges		insecticide resistance	13919	Helminthosporium velutinum	17916
Finland	69866*	63397 105038 105082	105241	Helminthosporium victoriae	37813
Great Britain	49272	nutrition	64207	68167 68202 99486	
Great Plains	19944	populations	32762	Helminthosporol	69085 100474
Italy	49146*	rearing and breeding	64178 105241	Helminth	71717 103349
New Zealand	70100	Heliothis zea		Helobdella nepheloidea	33159
Sweden	10663*	control	23221 42573 73173	Helobieae	77453* 78149*
Hedging	43997 44520 45176	diseases		Helodea SEE Elodea	
65733		eggs	106035	Helodidae	94820*
SEE ALSO Futures trading		host plant relations	33421 94781	Helomyza SEE Heleomyza	
Hedybiinus	73610*	host plant resistance	23857 42585	Helomyzidae SEE Heleomyzidae	
Hedychium acuminatum	708	105221	83354	Helopeltis	14163 68545*
Hedyotis australis	17656	insecticide resistance	63397	Helopinae	94894* 105628*
Hedyphanes seidlitzii	83835*	105038 105082 105741		Helopini	83835*
Hedysarum	57642*	larvae	33421	Helvibis	83787
Hedysarum coronarium	48361	nutrition	64207	Hemagglutination	
Heimia	58983	populations	32762	SEE Agglutination	
Heimia salicifolia	48525 58965	predators	94781	Hemagglutination exaltation and inhibi-	
Heimiella	57720*	rearing and breeding	64178 105241	tion of cytopathogenic effect method	
Heinsius	84051	Heliothrips haemorrhoidalis	94383		72980*
Helaspis n g	53411	Heliotrine	23644	Hemagglutination-inhibition test	41846
Heleidae		Heliotropism SEE Phototropism	53306	48536 62868 62908*	94239*
SEE Ceratopogonidae		Heliotropium	18611 98918	104424*	
Helenium aromaticum	19398			Hemangio-endothelioma	62408
Helenium autumnale	89871	Heliozela stanneella	17768*		
Heleochloa alopecuroides	77302	Helipterum roseum	106031*	Hemangioma	31607 41746* 62295*
Heleomyza fuscicornis	95064*	Helium	64039	Hemangiopericytoma	31288*
Heleomyza tuberiperda	53332*	Helius	63985 94996	Hematin	1357 55533
Heleomyzidal	53322* 14592* 33201*	Helius (Rhycholimonia) n sgen	63985	Hematology	12551
		Helleborus	20234*	Hematoma	31561*
Heliantheae	37657	Helleborus odoratus	29414*	Hematopoietic tissue	13261
Helianthemum	88415	Helleria brevicornis	63877* 83791*	Hematoxylin	8599 14924
Helianthus	36769 36834 89285	94751*		Hematuria SEE Hemoglobinuria	
47990*		Hellgrammite SEE Corydalus cornutus		Heme	19358
Helianthus annuus SEE Sunflower		Helluoninae	14497*	Hemerobiidae	5621 64295 95675
Helianthus giganteus	89285	Helmidiae SEE Elmidae		95676	
Helianthus salicifolius	89285	Helminthia SEE Picris		Hemerobius algidus	95675
Helianthus tuberosus SEE Jerusalem		Helminthiasis SEE Verminosis		Hemerobius angustus	42692
artichokes		Helminthology	104696	Hemerobius humulinus	5621
Helichrysum	98876	Helminthosporium	46977*	Hemerocallis	37939
Helichrysum bracteatum	10200* 79039*	anatomy and physiology	18063	Hemerocallis fulva	78919*
Helichrysum stoechas	47616*	19245 78560		Hemerocampa pseudotsugata	32910
Helicobasidium mompa	18059* 77819*	barley	9031 88828	33419 63729	
77820* 88745*		Cynodon dactylon	99338	Hemerodrominae	105701
Helicoceros	67976	Dioscorea	47284	Hemerotrecha	53205
Helicoma	67976	grasses	47412*	Hemiberlesia lataniae	52949
Helicomina poonensis	8859	India	18083	Hemicellulose	12370 51272 71564
Heliconiinae	33363 33381	oats	88828	chemistry	41149 51320 61558
Heliconius	33437 84125	Poa pratensis	18063	71482 74318 103036	
Heliconius erato	33439	rice	18225*	study and teaching	51322
Heliconius melpomene	84125	rye	88828*	hydrolysis	26382
Helicon	57724*	taxonomy	216 37004	in bagasse	55907
Helicopsyche	95612	wheat	77837 88828	in bamboo	26382
Helicopters SEE Aircraft		Helminthosporium ampullaceum	26969a	in barley	107511
Helicosporeae	67976	Helminthosporium atrovirens	88811*	in corn	1342
Helicotylenchus	99727	Helminthosporium avenaceum	27150a	in food	74318
Helicotylenchus multicinctus	88958	Helminthosporium avenae	88699	in forage plants	25092
Helicotrichon desertorum	58319*	99438*		in fungi	10221*
				in grasses	26382

\*Text of this reference is not in English.

	Item				Item				Item		
Hemicellulose-- Cont				Hemiptera-- Cont				Hemosiderosis			52116
in kenaf			15864	Ryukyu Islands		84061		Hemp			28016*
in sisal			44427	Saudi Arabia		64089*		anatomy and physiology			
in wood	12435	21571	21623	Senegal		5430*		38145*	48052*	89402*	
30707	30710	30711*		sonification		64111		breeding	28568*	69497*	79237*
properties		12369	30710	surveys		63726	14109	90086*	100887*		
Hemicriconemoides kanayaensis			47579*	Sweden		14758*	95191*	culture			38806*
Hemicyclophora nudata			99680	Taiwan	53398	53399	84061	Poland			28602*
Hemicyclophora similis			37536	taxonomy	5402	5428	23769	Rumania			11673*
77986	88919			43165	53383	53408	53410	USSR	11668*	28606*	47763*
Hemigasterini			64168	64112	95156	95189	95173	59296*			
Hemileia holarrhenae			99507	64129	95273	105837	5411*	cytology		27517a	68516
Hemileia vastatrix	18181		27126a	5415*	33289*	53401*	64083*	fertilizers	39963*	80400*	91034*
47341	57982	88711	99507	64131*	73724*	95256*		91147*			
37337*				Timor			14738	fungus diseases			27261a*
Hemileia wrightiae			99507	types	5383	5384	53383	Germany			25210*
Hemimerus			43380	95231				grading and standardization			15860*
Hemipenthes			53366*	United Arab Republic			23751	34573*			
Hemipepsis ichneumonea			14844*	Venezuela			73522	harvesting equipment			16905*
Hemiphacidiaceae			17910	viruses			84044*	hybrids	28608*	48781*	79237*
Hemiptarsenus			73748*	water relations		5395	14760	irrigation	29931*	39963*	91147*
Hemiptera				Western Hemisphere		14742	23757	labor			16620*
Africa	33253	73723	95262	Hemipterisca			84185*	mechanization			23998*
73732*	95268*			Hemitarsonemus latus	32820	4848*	14831	morphology	58259	47763*	47798*
anatomy and physiology			5395	Hemiteles graculus				pests			52859*
53407	64127	95155	105816*	Hemitrechiana SEE Pseudotrechiana				Poland			107893*
and plant disease			14139*	(Hemitrechiana)				seeds	16381*	28606*	66895*
Argentina			64080*	Hemitriecphora soni			43164*	107893*			
as predators			106048*	Hemitropis			14747*	varieties	28602*	38791*	38806*
Asia			73702*	Hemlock SEE Tsuga				100885*			
Asia Minor			95247*	Hemobartonellosis			22327	weed control		49477*	79842*
Australia			84051	Hemoglobin	74330	81830	30952*	yields	11673*	39963*	80400*
biochemistry			84036	32223*				Hempseed			55682
Brazil		53391	23748*	Anisops			53414	Hemyda aurata			95011
California			33254	cattle	3570	51924	62326	Henbane SEE Hyoscyamus			
Canada		63726	64102	103502	103574	41648*	51679*	Henbit deadnettle SEE Lamium			
China	95199*	95200*	95201*	51680*	62313*	72240*	81947*	amplexicaule			
105818*	105825*	105826*	105828*	ducks			13491*	Hendecaneura shawiana			42708
collections			105835	goats		22820	93584*	Hendelpyrgota n g			14691*
Congo	14749*	14770*	14771*	horses	3976	41832	13391*	Hendera			37032
14775*	23745*	33275*		52106*	82451*			Hendersonia			88785
control			83481*	poultry	62794	13491*	22633*	Hendersnola toruloidea	37308		69259*
cytology	5413	43181	64082	sheep	13682	22820	32175	Henicocephalidae SEE Enicocephalidae			
84044*				32227	51924	104657	52373*	Henicocephaloides n g			95261*
Denmark			23756*	93698*				Henotesia			23840*
development		73721	73725	swine	13891*	42271*	52572*	Henoticus			5130*
diapause		73725	23764*	83001*	83094*			Henricodohrnia			73723
diseases			84044*	turkeys			13491*	Heparin SEE Heparin sodium			3928*
Eastern States			23772	Hemoglobinemia			62188*	Heparin sodium			
Ethiopian Region	95245		23763*	Hemoglobinuria				Hepatocae	88451	77438*	
Europe			64131*	cattle	12968	3574*	31381*	Asia			167
evolution			73721	causes			62327*	anatomy and physiology			78863
Florida			53411	Czechoslovakia			3523*	Australia	8779	36995	47713
food and host plants			14109	Poland			3557*	Caroline Islands			88445
geographic distribution			95227*	treatment			92436*	collections			99116*
Great Britain	5407		5434	dogs			92736*	Colombia		77435*	77436*
95229	95252			Hemolymph SEE Blood, insects				culture			88160
India		53407	95226	Hemolysin	41874	103247	62165*	cytology			9381
Italy			95227*	Hemolysis	4207	13094	105459	Czechoslovakia		8789*	88438*
Japan	53399	84061	33286*	24836*	62872*	103254*		France			99003*
Korea			84061	reviews			12652*	Hawaii			8787
life history			23765	Hemolytic disease			32512	Japan	67903	77441	88434
Macaronesian Islands			14746*	Hemophagocytic index	63007*	103278*		166*			
Madeira Archipelago			14746*	Hemophilia			3842	morphology			99888
Malagasy Republic	95194		23763*	Hemophilus	32513	32540	51471	New York		8782	99020
73733*	95261*			83092				New Zealand		36955	99012
Malaysia		5403	33256	Hemophilus gallinarum			4213	nomenclature			88191
metabolism	73725		95248*	Hemophilus pleuropneumoniae			83092	Switzerland			77449*
molting			33246	Hemorrhage				Tatra Mountains		36946*	67908*
mountain areas			95259*	buffaloes			72224	taxonomy	8783	88453	67900*
Neotropical Region	14743		73713	cattle	13019*	13039*	51911*	88441*	99010*		
95175	95209			51925*	72210*	72257*	82260*	USSR		57675*	57682*
New York			14109	92457*				United Arab Republic			160
nomenclature		14728	14762	treatment			13112*	Vietnam			77442*
33245	33249	33250	33251	control			62409*	Hepatitis			
64086	64107	64123	105810	dogs			13265	cattle			31425*
105817				horses	41850	41851	41854*	coypus			3931
North America			5375	82454*				fur-bearing animals			92810*
nutrition			33246	poultry			82638	horses		62614	72496
nymphs			105084	rats			62666	man		67192*	107029*
Oklahoma	43153		43154	swine			83036*	mice			104211
overwintering			33286*	turkeys			93350	minks			92808*
Palearctic Region			95269*	Hemorrhagic disease SEE Red water				poultry		31886*	72618*
Panama			95238	disease				rabbits			72707
Philippines			95226	Hemorrhagic septicemia				SEE ALSO Black disease, sheep;			
reproduction	73725	53385*	95248*	cattle SEE Shipping fever				Canine infectious hepatitis; Virus			
respiration			73725	swine SEE Pasteurellosis, swine				hepatitis			
Rodrigues			43170	Hemosiderin		42286*	63251*	Hepatocystis SEE Plasmodium			

\*Text of this reference is not in English.



Item				Item				Item			
Hepialidae	4881	23862	53462	Herbicides-- Cont				Herbicides-- Cont			
106052				Czechoslovakia	20307*			hydrogen-ion concentration	49429		
Hepialus aemulus			94414*	Denmark	284*	20312*		in cottonseed	7249		
Hepialis humuli			84130	determination				in feed	64832*		
Heptachlor				reviews	101488			in food	34098	106576	64832*
adjuvants			104967	directories	8369			in fruit	34695	55097	65529
alfalfa pest control			42565	effects on Apis mellifera	89612*			in onions			75273*
ant control	23163	63415	104967	effects on aquatic plants	27906			in plants			78387
10507	63562*			effects on barley	38237	78524		in potatoes			55095*
corn pest control			42603	68903*				in soils	2044	2056	11009
Eucalyptus pest control			63562*	effects on beans	68903*			11022	11032	11055	11338
formulations			63385*	effects on birdsfoot deervetch	27893			11834	28020	29214	29263
fruit pest control			83438*	effects on Cardaria chalepensis	37771			29278	29346	29381	29549
in soils			42450	effects on cattle	13012	41561		38133	39426	39437	39565
in meat			7170	effects on Chrysanthemum	39503*			59915	70081	70102	70103
insect resistance			63370	effects on clover	19216*			70181	70363	80110	90903
pear pest control			83438*	effects on coconuts	78735			101590	29185*	60095*	81040*
potato pest control	42613		83330*	effects on Coniferae	50793			90845*	101554*		
tests			23044*	effects on corn	48431			reviews	973	39476	101722
toxicity		23163	42391	10995* 68903* 79822*	79832*			101784			
tree pest control			105372*	effects on cotton	11091	20283		in vegetables		34695	55097
wheat pest control			63553	28248 38104*				65528	65529	85729	
Heptachlor epoxide	42565		85391	effects on Elymus caput-medusae		9748		India			77577
10,12-Heptadecadiene-1-ol			23492*	effects on Euglena		100674		industry	11124	29236	49434
2-Heptanone			33296	effects on fruit	38133	70131*		Italy			101496*
Heptenal			74746	effects on forage plants		78652*		Japan			29337*
Heptophylla			53274	effects on Gladiolus		90744		labeling		11062	11103
Heracleum	88403		98918	effects on grain		39461		legal aspects		90736	108137*
Heracleum sosnowskyi			28347*	effects on grasses	70115	28253*		Malaysia		2053	70171
Heracleum sphondylium	559*		58237*	effects on honey plants		63762		mixtures	39429	39430	39497
Herbariums			77194	effects on insect populations	89612*			39537	70154	101463	70054*
Africa			88247	42880 63623		23154		Netherlands		20287*	90698*
Argentina			26751a*	effects on Narcissus	38224	38460		pellets			101512
Bulgaria			8719*	effects on peaches		68779		Poland		20305*	101585*
Colombia			26800a*	effects on peanuts		101565		post-emergence use		29153	29274
Czechoslovakia			88438*	effects on peas	38237	100192		29335	39529	39534	89674
directories		17602	98757	effects on Pinus		21227*		90615	90625	90681	90746
Europe			67954	effects on Pinus resinosa		61133		90645	90663	101559	101565
France		88189	36610*	81164				pre-emergence use		11022	11023
Great Britain			26751a*	effects on plant disease		57864		11053	11055	11099	20314
Italy			36651*		401*			28245	29182	29196	29202
Japan			77174	effects on plants	9892	11101		29224	29226	29251	29335
Lithuania			36640*	19011 38224 39426		49414		29352	29362	29363	39429
New York			8552	79794 90599 100100		18990*		39435	39481	39529	39533
pest control		73076	94021	19879* 27806* 27864*		27897*		49471	49495	59943	59987
Sweden			57489*	28020* 28041* 28248*		29151*		70069	70080	70094	70115
USSR		26744a*	57604*	29214* 39531* 49423*		70155*		70162	78480	79791	101493
SEE ALSO Plants, collecting and				conferences and congresses	28215			101546	101559	12070*	29260*
preserving; and names of herbariums				reviews	973	99891		39506*	90687*	91556*	101474*
Herbicides				100089 100102 100125		100139		101475*			
11060	29310	38468	49493	100174 100251 100276		100321		properties		11114	79828*
90712	17954*	67999*	90666*	100501 100513 101465				regulation and inspection			11062
102567*				effects on Poa pratensis		78480		11119	68024	90742	20241*
adjuvants		29279	79847	effects on Populus		100192		79787*			
analysis and composition			98430	effects on potatoes		38134		residual effectiveness			2024
104969	70105*	101510*		effects on Quercus marilandica		89343		29188	29257	29381	39569
application	2038	9892	21239	effects on raspberries		39564		101564	29185*	59996*	101554*
29151	29270	29321	29325	effects on seeds	881	78344		residues	20248	54093	54109
29344	30341	39546	39555	effects on soil microorganisms				79781	90606	90646	90717
49425	70663	80306	90664*	79775 90950		101809*		reviews	2008	2009	2016
Belgium			20308*	effects on soybeans		89682		101465			
California		21244	29268	effects on strawberries		28197		Sweden			12057
Canada			79843*	29341 1019*				terminology			74140
conferences and congresses			98452	effects on sugar beets		42592		tests	2049	11003	11122
Germany				effects on trees	974	2840		29142	29143	29155	29157
East Germany		102585*		61076 21226*	61096*			29190	29251	29264	29272
Japan		49475*		effects on Tulipa		38460		29308	29309	29327	29333
Texas		63532		effects on wheat		89747*		29385	29386	30310	70175
USSR	49407*	60503*	79790*	emulsions		90674		90602	90647	90673	99452
application equipment			15220	fertilizer mixture	49483*	91190*		20245*	20276*	32614*	49486*
15221	15227	15234	33771	101572*				70152*	79802*	79831*	90731*
33778	43655	53810	64534	formulations	11040	29199		102592*			
64535	74143	84579	90605	79857*				tolerances			49514
90674	95923	95926	95929	reviews		100251		toxicity			
95930	100251			France		17935*		Apis mellifera			63762
California			29268	Germany		10094*		aquatic life		94551*	
Florida			74140	East Germany		60003*		101508		49510	70173
Mississippi			74141	granulated	15220	29199		Bombyx mori			53107*
tests			43665	29257 43655	70182	101512		livestock	63140		13478*
USSR	30340*	74060*	74146*	application equipment		13949		Vermont			29206
95818*	95834*	95920*	95927*	Great Britain	2033	70088		SEE ALSO Weeds, control, chemical;			
106376*				94357				and names of herbicides			
California			29276	hazards and safeguards		49496		Herbs			90753
chemistry	49488	79815	29350*	52691 59975	70101	11000*		analysis and composition			75192*
59925*	77691*	101484*	101485*	52720* 63406*	108137*			cookery			98366
China	70150*	90676*	101470*	Hungary		59928*		culture	2085	101624	70223*
costs and returns		17260	59951*								
70084*											

\*Text of this reference is not in English.

Item				Item			
Herbs-- Cont				Heterakis gallinarum	13570	41959*	Heteroptera-- Cont
culture--cont				52278*			Finland
Australia	60031			Heteraneflus n g	53241		flight
Canada	29394			Heteranthra dubia	10137		food and host plants
Netherlands	20336*			Heterhelus scutellaris	83892*		France
New York	39612			Heteroauxin SEE Indoleacetic acid			53416*
New Zealand	29401	101612		Heterobilharzia americana	3871		Germany
diseases	99152*			Heterobostrychus aequalis	73598		East Germany
feed	52180*	93077*		Heterocapsa kollmeriana	78211		Ghana
Germany	39587*	59957*		Heterocera SEE Moths			Great Britain
history	60031	101415*		Heteroceridae	94935		5434 33260 95229
New Zealand	49540			Heterocerus	14503	94934*	Iran
pests	99152*			Heterocerus tibesticola	94832		Italy
Herbulotiana	106058*			Heterochordeumatidae	23557		Korea
Hercostomus	53326	105725		Heterochromatin SEE Chromatin			Madeira
84008*				Heterocyclic compounds	78935		Malagasy Republic
Hercules	5727	42545		Heterodera	27359a 37528	58124	Malaysia
Hereditary diseases SEE UNDER				88916*			Morocco
Livestock and names of animals				Heterodera avenae	79216	88897	mountain areas
Herellea	12717			88902 88906	99699		Neotropical Region
Hereroa SEE Mesembryanthemum				Heterodera cacti	88928		5389
Heringia heringi	84042*			Heterodera cruciferae	37505		Netherlands
Heritiera minor	103015			Heterodera estonica	99697*		New England States
Hermanniella	73507*			Heterodera glycines	10520		nymphs
Hermaphroditism	51487*			37497 37498	37521	47591	Pacific Northwest
cattle	42272*			99715 99716	77970*		reproduction
Commelina forskalaei	18592*			Heterodera gottingiana	509		Scotland
Culex hortensis	23733*			Heterodera humuli	77983*		Sweden
dogs	41758			Heterodera lespedezae	493		taxonomy
goats	22805*			Heterodera rostochiensis	512		5402 14764
Icerya	23752			514 9046	18391		43174 95156 95205*
Kuwanja	23752			18399 18400	37494	37496	95270*
Luffa	26899a			37519 47600	68313	88898	Tibesti
Pinus sylvestris	102649*			88900 88914	88937	18408*	USSR
Populus tremula	102723			88929* 99686*	99687*		53401 5411*
Porcellio dilatatus	63876*			control	47588	58129	United Arab Republic
swine	4572 63276	42272*		37529* 47583*	68315*	77972*	water relations
104833*				77982* 99702*			Heterosides SEE Glucides
Hermetia illucens	32884	52819*		potatoes	9278	88920	Heterosis
Hernia	3219*			99670 99704	487*	9289*	animals
SEE ALSO types of hernia				9294* 20178*	37529*	47573*	81993 95045 3038*
Herniaria	88278			47583* 58120*	68320*	88947*	22633* 32339* 42008*
Herniaria glabra	69196*			99701* 99705*	99706*	99721*	barley
Herniaria hirsuta	69196*			99731*			cabbage
Herpes	22438	22440*		Heterodera schachtii	525	9288	corn
Herpes B virus	21825	21880		37517 37526	47587	99718	100290
Herpestomus phaeocerus	23784*			sugar beets	37525*	77962*	9598
Herpetogramma	23883			99710*			cucumbers
Herpiscus sommeri	83881			Heterodera trifolii	498	520	Drosophila
Herpobasidium deformans	18216*			9277 58117	77957*	77981*	Drosophila ananassae
37354*				Heteroderidae		99707*	Drosophila melanogaster
Herpomyces periplanetae	5573*			Heterodiplogynium	73522		95045
Herposiphonia	17844			Heteroecus pacificus	14822		Drosophila subobscura
Herpothallon sanguineum	88506			Heterogalumna	73507*		plants
Herringbone system SEE Milking barns				Heterogamodes	23919*		27697 10396 10417
Herse convolvuli	33367	33389		Heterogastrinae	33248		27775 28523
Hesperentominae n sfam		95677*		Heterogenesis	105775*		38382 48337 59149
Hesperidin	100653*			Heterographis oblitella	43274		59785 69488 69564
Hesperidiidae				Heteroleptomys n g	53305*		78301 79735 89147
Africa	95484			Heteroleptomys n g	32758	105639	100832 100898 101231
anatomy and physiology	105913*			Heteroligus meles		105639	1484* 1933* 10907*
eggs	95515*			Heteromera	53275		20111* 28309* 28308*
India	95385			Heterometrus scaber	94767		29093* 29096* 29110*
Ivory Coast	105921*			Heteromorphura n g	33502*		29137* 30407* 37893*
life history	95434			Heteronychus arator SEE Heteronychus			48267* 48781* 49315*
Louisiana	23873	106037		sanctaelenae			59876* 69654* 69874*
Rennell Island	105959			Heteronychus sanctaelenae	73212		79083* 79125* 79153*
Seychelles	105920*						79089* 79643* 79656*
Spain	105913*			Heteropatella valtellenensis	94872		79703* 79705* 79896*
taxonomy	73826			Heteropeza pygmaea	23713	105775*	90029* 90498* 100880*
types	33365			Heteroptera			101449*
Hesperilla mastersi	43261			Africa	95268*	105865*	conferences and congresses
Hesperis matronalis	55581			anatomy and physiology	5376	43174	reviews
Hesperocimex cochimiensis	14763			64127 73719	73720	95158	Heterosmaitia n g
Hesperoctenes	33279*			95255 23762*	105850*		Heterosporium
Hesperophanini	53241			Asia Minor			26974a 99437
Hespidon	13414*			biochemistry	73734*		Heterosporium echinulatum
Hess test	25721*			biology	33276*	64108*	Heterosporium variabile
Hessian fly SEE Phytophaga destructor				Bulgaria	64100*		Heterostylum robustum
Hetaeria shikokiana	68581			Canada	95160*		Heterotermittinae
Hetaerina americana	5618			China	95199*	95200*	Heterothrips oneillae
Hetaerina titia	5618			collecting		105826*	Heterothrix ulotrichoides
Hetaerius ferrugineus	14564*			collections	5389		Heterotricha
Heterakidiasis SEE Cecal worms				Congo	95206*		Heterotyphlus n g
Heterakis	22613	13563*		control	14775*		Heuchera sanguinea
Heterakis gallinae	42032	62805		Czechoslovakia	52976*		Hevea
104442*				dissemination	73727*		anatomy and physiology
				ecology	95244		37640*
				enzymes	5422	64108*	89882 1327*
						73719	77189 29403*
							29402* 79890*
							costs and returns
							80447 49538*
							culture

\*Text of this reference is not in English.



Item			Item			Item		
Hevea-- Cont			Hexamethylmelamine SEE Methenamine			Hides and skins-- Cont		
culture--cont			Hexamethylphosphoramide	52694		rabbits		7892*
Indonesia		49569*	Hexane	26066*	75674*	sheep	25236	25980
Ivory Coast		60025*	Hexaploidy SEE Polyploidy				25947*	42123*
Malaysia	2087	70199	3-Hexen-1-ol		19268	situation and outlook	65821	16194
New Guinea		20341	Hexestrol	989	62264			34991
reviews		39614		92269		spoilage		65886*
Surinam		11145*	Hexetidine		13010	statistics		26001*
Thailand		49552*	alpha-D-ribo-Hexopyranosyl-3-ulose-			structure		25888
Vietnam		29403*	beta-D-fructofuranoside		435	swine		45085*
disease resistance		2072*	Hexosamines	20460	52133	terminology		35064
diseases		77546		1336*	8352*	tests		75566
farms		75974	Hexose monophosphate SEE Fructose-6-			trade		76811
fertilizers		29786	phosphate			Greece		46394
fungus diseases		9167	Hexoses	42165	44765*	transportation		16223
57960*	99511*		Hiatus hernia		72397	waste utilization		104800*
control	9111	9168	Hibernation SEE UNDER names of ani-			weight and measurement		107638*
77778	77779	77844	mals; and SUBHEAD overwintering			Hieracium	736	17681*
history		39618	UNDER Insects and names of insects				26833a*	98911*
India		39604	Hibiscus	9079	19393	Hieracium alpinum		37779
morphology		37640*		39190	95326	Hieracium pilosella		19317*
planting		49538*	Hibiscus cannabinus SEE Kenaf			Hieracium porrifolium		98906*
reviews		39614	Hibiscus coccineus	26869a	100480*	Hieracium umbellatum		17764*
propagation		20328	Hibiscus diversifolius		832	Hierochloe		67816
soils	2450	80447	Hibiscus esculentus SEE Okra			Hierochloe cearensis seed oil		7233
spraying and dusting equipment		91181	Hibiscus lasiocarpus		9402	Hierochloe odorata	694	748*
tapping		15225	Hibiscus manihot		18732*	Hierodula crassa		64250
varieties		16370	Hibiscus militaris SEE Hibiscus coc-			Hieroglyphus nigrorrepetus		4822
weed control		49570*	cineus			Hieromantis		105936
yields	2087	87222	Hibiscus moscheutos SEE Hibiscus			Higehananomia palpalis		53275
	49569*	2072*	palustris			High-frequency heating		
SEE ALSO Latex; Rubber			Hibiscus mutabilis	58420	59078	effects on tobacco		47839
Hevea brasiliensis			Hibiscus palustris		58420	in egg processing		66113
anatomy and physiology		2388	Hibiscus rosa-sinensis	78723	89836	in food processing	35085*	45076*
20780	58601	89371	Hibiscus sabdariffa SEE Roselle				84987*	
47827*	100104*		Hibiscus schizopetalus		47794*	in lumber seasoning		12246*
biochemistry		28302*	Hibiscus syriacus		63885	in meat processing	55517*	65901*
	58981*	58960*	Hickory SEE Carya			in pulp and paper manufacture		71475
reviews		38515	Hickory bark beetle SEE Scolytus qua-			in seed/treatment		89607
breeding		47827*	drispinosus			in wheat processing		16076*
culture		70493	Hides and skins			in wood processing	51221	61349*
enzymes		58961	analysis and composition		7127		81366*	91679*
fertilizers	2387	2388	25245	25872	25889	High mountain disease SEE Brisket dis-		
20781	70493	80268	buffaloes		55445	ease		
fungus diseases		18160	care and handling	16223	65935	Highways SEE Roads		
	99470	18183		65951*		Hilaria jamesi		91931
injuries		27023a	cattle		107638*	Hilaria mutica		91931
morphology		47827*	chemistry	35025	75561*	Hildenbrandia rivularis		57701
pulpwood		41025	conferences and congresses		34980*	Hill reaction	9933	28315
soils		20695	consumption		45032		78637	48262*
Malaysia	20582	20613	damage		75598*	Hillebrandia sandwicensis		27503a*
20783		20701	defects	35064	65881	Hillia		88345
tapping	2387	2388	75613	25930*	31067*	Himacerus		105826*
	58981*	97410	97129*	97130*	97132*	Himantariidae		53174
varieties		11154	deterioration		107642*	Himanthalia		17848*
weed control		20317	fat		86181	Himanthalia elongata		89106*
yields		2388	goats		75542*	Himera pennaria		23392*
Hevea spruceana		29415	analysis and composition	25966	75658*	Hindola		53408
Hewitsonia		105982	quality	25846	25845	Hindola (Platycotta) n sgen		53408
Hexachlorane SEE Benzene hexachloride			trade		75664	Hinoki SEE Chamaecyparis obtusa		
Hexachlorobutadiene		83427*	grading and standardization		25846	Hiotrombidium		53166*
Hexachlorocyclohexane SEE Benzene			hydrogen-ion concentration		7166	Hip dysplasia		
hexachloride			labeling		75561*	dogs	52045	52054
1,2,3,4,5,6-Hexachlorocyclohexane SEE			lubrication		25947*		82353	92694
Benzene hexachloride			marketing		32977*	Hippeastrum SEE Amaryllis		41771*
gamma-Hexachlorocyclohexane SEE			microorganisms		107632	Hippelates	23154	23155
Lindane			minks		97092		94258	95112
Hexachlorocyclopentadiene		83188*	pests		55549	Hippelates collusor		94050
Hexachloroethane	92451	103897*	prices		14660	Hippelates pusio		95004
	105341*		processing	25245	25978	Hippoboscidae		63623
Hexachloroparaxilol		82807*	35025	35111	35128	Africa		63990*
Hexachlorophene SEE 2,2'-Methylenebis			55549	65923	65925	Albania		83962*
(3,4,6-trichlorophenol)			65928	65929	65932	anatomy and physiology		95079
Hexacola		23814	75566	75613	75628	and disease		14004
Hexadecadiene		33431*	75653	86248	97160	Belgium		33170*
Hexadecanol	28006	29456	25974*	25989*	35124*	breeding places		105734
	90828		55539*	65920*	65938*	Great Britain		23673
Hexadecenoic acid		75741*	75656*	75658*	75659*	habits and behavior		33489
Hexafluoroacetone trihydrate		29312	86243*	86245*	107660*	Louisiana		63994
Hexagenia limbata	14948	14949	107681*			taxonomy	105696	105734
	53565		study and teaching		107672	Hippocrateaceae		36874*
Hexahydro-1-H-pyrrolizine		53306	properties	25872	35017	Hippodamia		23250
	58972		proteins	25941	75699	Hippophae		19872*
Hexamela n g		105727*	quality	7167	97159	Hippotion celerio	33376	33382
Hexamer mis		23596					84181	5543*
Hexamethylenebenzamide		94174*				Hippuric acid		73461
Hexamethylenetetramine SEE Methen-								
amine								

\*Text of this reference is not in English.

	Item			Item			Item	
Hips			Hitches	43700	43705*	53853*	Holopeltidia	105571*
cats	13260	13293	53857*	64339*	84616*	84623*	Holopleura marginata	94867
cattle		62355	84630*	106272*			Holusus reticulatus	14518*
dogs	13239	13260	13293	operation	95941*	95948*	Homadaula albizziae	53021
31568	3887*		tests		106382		Homalocephala SEE Echinocactus	
diseases		103999	Hjarre's disease SEE Coligranuloma				Homalotylus	95317
dislocation		62493	HMF SEE 5-Hydroxymethyl-2-furalde-				Home demonstration work SEE UNDER	
Hircinol		69319*	hyde				Extension work	
Hirst test		93816*	Ho leaf oil		26032*		Home economics SEE Home management	
Hirstiella pyriformis		63887	Hoberlandtia		73733*		Home management	8508 8509
Hirstionyssus	94753*	105591*	Hodgkin's disease		104041		as an occupation	109213*
Hirstionyssus meridianus		73537*	Hodgsonia		88325		Costa Rica	36036
Hirsutella gigantea		9461	Hodgsonia macrocarpa		48929		directories	87529
Hirudoid		92688*	Hodotermitidae		95628		Minnesota	57356
Hirundiniella n g		23943	Hoes		95804*		New Mexico	36544
Hispiniae	73572	5204*	Hungary		84416*		North Carolina	27592---
83901*	105618*		India		74023		study and teaching	76628 77070
Hispodonta		73572	Italy		53705*		88061	
Histamine			Hoffmannocoris		5430*		Alabama	8187
in animal physiology	13650	62246*	Hoflund's syndrome		92572*		France	76601*
62656	51919*		Hog cholera	13887	32544		Germany	46195*
in cattle physiology		103608	104814	32486*	63267*		New York	88062
in rabbit physiology		104537	93835*	104806*	104873*		New Zealand	17457
in rumen		12703	Australia	63262	72970		Oklahoma	88060
in tomatoes		7785	93848				Oregon	88063
Histamine releasing compound 48/80		62605*	control		13888*		Virginia	98661
		73599*	France		104898*		Switzerland	46653*
Histeridae	5201*	43034*	Hungary		13883*		Washington	109214
83864*	94979*		India		93881		21815	13892*
Histidine	1055	55432	Poland		22984*		82387*	82396*
91828		89869	Rumania		63328*		Homeopathy	41564*
Histiocytosis		12825	diagnosis	4560	4601		82387*	82396*
Histiogaster		94805	22965	22970	32454		Homeotyphlus n g	94838*
Histiogaster anops		5072	82957	4596*	13848*		Homeria breyniana	9970
Histiostoma		94805	32480*	32525*	42299*		Homesteading	26754 35933
Histiostoma gordius		33053	52652*	63340*	73010*		66975	56661
Histomonas meleagridis		42023	93896*				history	35931
Histomonas wenrichi		22640	eradication		83100*		legislation	66969
Histomoniasis SEE Blackhead			Georgia		72963		Middle Western States	35934
Histones		82592*	USSR	22963	32423		Homidium chloride	31336
History	27590	45945	32424*	32510*			Homoarginine SEE N6-Amidinolysine	
50157	56258	57351	France		83037*		Homobasidiomycetes SEE Basidiomy-	
109207	36541*	77055*	Germany		13857*		cetes	
84276*	98655*		immunization		81780		Homoeocerus	95199*
Argentina		26956*	104803	104860	22952*		Homoorientin	59028
Australia		36542	32474*	32487*	52656*		Homophylax	53562
bibliographies	46652	67648	73007*	83027*	93847*		Homoptera	53397
67646*			104936*		104819*		Africa	73181
Bulgaria		109204*	India		4568		Albania	95262
Canada	7973	77059	Poland		63314*		anatomy and physiology	84058*
Central America		46648	prevention	63313	32448*		53415*	64098*
China		98657*	resistance	32449	93877		and plant disease	105034
Czechoslovakia	98653*	98654*	104860	104901	63233*		Asia	95179*
98656*	98659*		vaccines	52571	82975		Canada	95161
Denmark		46649*	93880	104831	104887		Central States	14748
Europe	67645	109210	104911	4535*	13798*		Congo	14770*
France	56329*	67647*	32422*	32467*	32474*		control	52976*
Ghana		35409	73007*	93847*	93882*		cytology	53396
Great Britain	57347	98660	42281	63317	63322		diapause	105857*
Greece		109204*	81780	93880	104803		eggs	5394
Hungary	57355	17454*	104865	104893	104906		Finland	105860*
46650*	77053*	77061*	52582*	52583*	72980*		food and host plants	14109
77067*		77064*	83028*	83032*	83033*		105836	53419
Illinois		46647	Hog louse SEE Haematopinus suis				genetics	53396
Ireland		36539	Hogs SEE Swine				Germany	
Israel		76185	Hohorstiella		23943		East Germany	23749*
Italy	15416*	17453*	Hoja blanca				habits and behavior	14748
36540*	45633*	46651*	rice	37457	73203		India	14751
109205*		77054*	77870*	77871*	77943*		Japan	43160
Japan		57354	rye				Mongolia	53419
Maine		57350	wheat		73203		Morocco	95208*
Mauritius		77056*	Holarrhena		38581		Near East	14747*
Mexico		46648	Holarrhena antidysenterica		49536		Nearctic Region	95256*
Michigan		56919			79869		Neotropical Region	84038
Missouri		16560	Holboellia coriacea		67810		New York	14743
Netherlands		17452*	Holococera pulvereae		73753		New Zealand	14109
Norway		87518*	Holcothorax		52916		Palearctic Region	23750
Ohio		57352	Holcotrombidium		53166*		parasites	95179*
Poland		109209*	Holcus lanatus	49438	68375		phylogeny	105860*
Red River of the North		109206	Holfidal SEE Dieldrin		40111*		Poland	43155
Rumania		85066*	Holly SEE Ilex				Sweden	23329*
Scotland	17448	17449	Holmbergiana		63891*		taxonomy	43163*
Southern Rhodesia		77060	Holocellulose	12432	91728		5381*	43164*
Spain		17450*	Holochila		106053*		types	5393
Sweden	77065*	109208*	Holoclera		5234*		USSR	5404*
Switzerland	17451*	86823*	Holodiscus discolor		17734		95180*	5415*
USSR	77066	7827*	Holonothridae n fam		94795		United Arab Republic	64090
Western States		57348	Holonothrus n g		94795		Western Hemisphere	23757
SEE ALSO UNDER specific subjects							Wisconsin	95176

\*Text of this reference is not in English.



Item				Item				Item			
Homopterus			53239*	Honey plants-- Cont				Hops-- Cont			
Homorocoryphus nitidulus vicinus			83368	Sweden			70226*	disease resistance			77825
Homoserine SEE 2-Amino-4-hydroxy-				SEE ALSO names of honey plants				drying	55993*	70204*	86547*
butyric acid				Honeycombs	23451	73348	4974*	equipment		43526	64402
Honey				construction		5005	73369*	extracts		74671	85149*
advertising	7085	25783	25786	storage			23445	farms			26751*
34961	107545	107546	107549	Honeydew	5416	33302	63633	fat and oil content			35385*
analysis and composition			16180	65777	84029	53421*	73317*	fertilizers		29877*	40011*
65777	65782	86068	83070	95188*	105859*			fungus diseases			77817
86074	86075	107551	34965*	analysis and composition			95242*	control			37330*
55387*	65784*	65785*	73365*	Austria			73707*	Germany			77851*
75497*	79910*	83613*	83661*	feed for insects			4949*	Great Britain		77711	77806
86069*	86072*	97020*	97023*	toxicity		4932*	14307*	77825		77843	
107544*	107547*	107552*		Honeysuckle SEE Lonicera				Great Britain		37204	47227
associations			86066	Honveda SEE Bireta (Honveda)				77805	99531		
chemistry			97024*	Hoodia			101320*	grading and standardization			66293
comb			32942	Hoofs			30891*	66315	35393*	75920*	
contamination		58221	107548*	cattle	13015*	62420*	82303*	Great Britain		39631	66321
cooking	27314	36347	75492	103612*				harvesting	64445	101628	70204*
dried			75498	diseases	51879*	82301*	92394*	harvesting equipment			101628
enzymes	86071	65778*	94522*	France			82184*	history			97526*
extraction equipment		42802	73340	Japan			41703*	identification			27592
73348	73383	83646	83647	treatment		12966*	31353*	industry	55989	87715	7564*
105456	73382*	83675*		51824*				16511*			
feed for bees			42808	diseases			3173*	marketing			97501
flavor and odor			65782	horses			3969*	mechanization		15042*	73988*
harvesting	4966	5001	32967	covers		13403*	22445*	morphology			68521*
53068	73376	73418		diseases	62600	13372*	62621*	nematodes		507	77983*
in literature			7079	sheep			63109*	pest control	63560	73242	77851*
industry			73378	swine		52630	52605*	planting		29409*	64441*
labeling			86065*	Hooker Compound 1422 SEE 3,5-Diiso-				Poland			56003*
legal aspects			7081	propylphenyl N-methylcarbamate				pollen			18833
liquifying			75498	Hookworms			51541*	processing		55992*	66297*
marketing	7081	7083	7084	cats			82397*	propagation		37204	29429*
7087	34961	34962	34964	dogs	72423	82394	92695	properties			66306*
34966	97025	97022*	107550*	82397*				pruning			29408*
Great Britain			16178	treatment	31593	52023	72393	quality	20335*	20349*	26374*
Switzerland			7082*	72402	41782*			28280*	29877*	35168*	55993*
moisture			73419	man			56817*	reviews			85114
New Zealand			73399	mice			62673	situation and outlook		26364*	26365*
nutritive value	8358	8360	67455*	sheep		13730*	82841*	26368*	26379*	26380*	26381*
packing		75495	97024*	swine			82894*	26385*	26393*		
prices		7082*	97021*	Hop oil	7281	7321	26015	soils			20349*
processing	34964	44985	55388	35168				spraying and dusting			5843*
83584	65780*	73387*	107550*	Hopea			17745	statistics	55989	66320	74567
properties	7086	44983	55386	Hoplandrothrips			95671	trade			
86070	65783*	86073*	83661*	Hoplasoma			94834	Europe			27264*
proteins			75496*	Hoplia communis			52988*	Latin America			87715
quality			44982	Hoplitocoris			14775*	varieties		70215	27592a*
regulation and inspection			44982	Hoplocampa		94388*	105268*	100393*			
7082*	55387*	75494*	97021*	Hoplocampa flava		14193*	83404*	virus diseases		47531	77711
shows	16176	25784	65779	Hoplocampa minuta		14193*	82404*	77910	99623	99624	99585*
situation and outlook			107543	Hoplocampa testudinea		52973*	63645*	weed control		59937	79859*
Spain			86070*	105322*				yields	28280*	29427*	29428*
statistics	16179	44807	23469*	Hoplonyx		5123*	23580*	29877*			
94574*				Hoplonyx (Hyloplonyx) n sgen			5123*	Horcomutilla n g			23780*
storage			55388	Hoplonyx (Nataloplonyx) n sgen			5123*	Hordein		86054*	89751*
Switzerland			97021*	Hoplonyx (Nemoplonyx) n sgen			5123*	Hordeum	854	27818	38762
therapeutic use			4242	Hoplopleura			95635	Hordeum compressum			19533
toxicity			97023*	Hoplopleura rukenyae			14960	Hordeum depressum			19533
trade				Hoplopleuridae	14961	95635	95642*	Hordeum jubatum			89255
Australia			36180	Hoploseius			94752	Hordeum leporinum		70077	90612
types	4963	83584	63746*	Hoplothrips arnoudi			95646*	38788*			
SEE ALSO Apiculture, honey produc-				Hoploxylocopa SEE Xylocopa (Hoploxylo-				Hordeum marinum			853
tion				copa)				Hordeum murinum		28217	58444
Honey bee SEE Apis mellifera				Hops				Hordeum pusillum			853
Honey flows	63763	32936*	73364*	acids			64967*	Hordeum spontaneum			28217
73371*	73401*	78357*	83636*	analysis and composition			35389	Hordeum vulgare SEE Barley			
105469*				66301	75915	96951	7571*	Horisme tersata			53480*
Honey locust SEE Gleditsia				26372*	35385*	65008*	96964*	Horizontal integration		26863	87038
Honey plants	20330	20333	23440	107995*				87069	26819*	44007*	86998*
32940	39606	79905	4991*	anatomy and physiology			27592a	SEE ALSO SUBHEAD industry, hori-			
73364*				78888	11674*	28280*	29428*	zontal integration UNDER names of			
anatomy and physiology			78357*	100393*				animals and crops; and SUBHEAD			
78857*	94518*			Belgium			96964*	mergers UNDER Cooperative or-			
reviews			78774*	biochemistry			89844*	ganizations			
Australia			2086	breeding		20361	20335*	Hormal			92242
Belgium			2079*	chemistry	35388	44141	66295	Hormidium			37767
Brazil			78919*	106815	107982	44163*	74649*	Horminae			14804
Colorado			20360	costs and returns		26751*	29410*	Hormiopius n g			64137*
Europe			37727*	culture				Hormius			14804
France			79875*	Czechoslovakia			90785*	Hormius vulgaris			64029
injuries			63762	Germany			20348*	Hormones			
Maryland			2076	Great Britain			60044	Acer platanoides			48304*
Norway		70221*	79913*	Hungary			11674*	Acer pseudoplatanus			68752*
Poland			42832*	Poland	20362*	29408*	29409*	Achlya ambisexualis			901
pollen		37727*	58298*	29427*	29877*	49576*		Agaricus bisporus		27932	8110
Rumania			101611*	degenerative diseases			89697	algae		19058	89887

\*Text of this reference is not in English.

Item				Item				Item			
Hormones-- Cont				Hormones-- Cont				Horses-- Cont			
Allomyces			18579	potatoes			68917	breeds--cont			
animals	3027	21814	21891	Pyrrhocoris apterus	64124	73725		Andalusian			13334
41223	81631	92964	81724*	rabbits		33505		Appaloosa	3946	13360	52093
91975*	91983*			reviews	8416	23507*		28666			
effects on cattle	22080	31131		Rhodnius prolixus		43180		Arab	3944	13343	13344
31283	71954	72178	72199	Salix		19203*		52088	52094	92873	
82135	103725	103731	103766	Salvia occidentalis		47969		Belgian			22402*
12924*	31132*	31194*	81973*	Samia cynthia	84146	84179		Campolino			72462*
82114*	92365*	103730*		Samia cynthia ricini		106055*		Fjord	13357	61331*	104127*
effects on Conotrachelus nemophar				sheep		93650		Hafling	13332*	13333*	62594*
			63930	soybeans		94725*		62595*	92860*		
effects on dogs			52058*	sugar beets		28189		Holstein		13358*	13359*
effects on guinea pigs			22475*	sugarcane	28376	48041		Indian Horse			13340
effects on livestock			51393*	sunflowers	27811	38333	9987*	Konik	3943*	3945*	52091*
effects on pigeons			52227	Taphrino		390		92870*			
effects on poultry	13439	72631		Tenebrio molitor	23589	63969		Mangalarga		41820*	82431*
31802*	32019*	82654*	104388*	5198*				Masurian			92869*
effects on rabbits			93546*	tobacco		10243*		Missouri Fox Trotter			13341
effects on rats	22466	92973		trees	28015	100517		Mongolian Pony			13347
effects on sheep	4344	72720		reviews		68787		Morgan		13348	92858
82791	82792	22753*	31122*	wheat	18950*	18986*	19203*	Pinto		13338	104140
63102*				28120*	48206*	100628*		Pony of Americas			104082
effects on swine			32412*	SEE ALSO Adrenal cortical hor-				Przevalskii's horse	13337		22397*
reviews			41323*	mones; Androgens; Estrogens; Go-				Shetland Pony			62593*
Anisolabis maritima			84227	nadotropins; Growth substances;				Thoroughbred		3941	3957
apples	58634	58605*	69095*	Pheromones; and names of specific				3961	13330	13351	13373
Avena			48028	hormones and hormone preparations				31673	31680	31687	41826
barley		97008	100716	Horn fly SEE Haematobia irritans				52094	62623	62634	82432
beans			19130	Hornbeam SEE Carpinus				82436	92863	92871	92874
Bombyx mori	14334	42839	83708*	Hornet moth SEE Aegeria apiformis				104084	104100	3960*	3972*
cabbage			19203*	Horniolus		53273		13365*	22404*	31688*	41835*
Calliphora			43120	Horns	4307	42122*		72469*	82430*	92859*	
Calliphora vicina	73643*		95005*	Horogenes		95279*		care	13402	52128	72502
Cerura vinula			105939*	Horogenes chrysostictos		14796		104146	62593*		52093
Chermes piceae			73300	Horogenes fenestralis		5478		color	3991	3943*	22395*
citrus			9845	Horogenes punctorius		32742		41819*	62612*		
corn	19129	27949	58630	Horse biting louse SEE Bovicola equi				costs and returns			104146
cotton			78784	Horse bot fly SEE Gasterophilus intesti-				cow horses			22454
dogs			31558*	nalis				cytology	3981	104110	30949*
Drosophila melanogaster			83982	Horse bots SEE Gasterophilidae				dictionaries			72499
ducks			104336*	Horse chestnut SEE Aesculus				digestion			104096
Echinocystis macrocarpa			48544	Horse chutes		15098		disease resistance			62612*
Euonymus europaeus			48304*	Horse flies SEE Tabanidae				diseases	22423	82433	92896
Formica polyctena			84103*	Horsebeans		89557	100915	52097*	72493*		
Fraxinus excelsior			48304*	1186*	58571*	60231*	72948*	conferences and congresses			41829
Fritillaria meleagris			48173*	91875*				41830			
Fusarium sporotrichioides			1056*	HorsemanSHIP		13402		diagnosis		22450	62609*
fungi		27137a	89626	Horsemeat	83918	65794*	65904*	Germany			13388*
Galleria mellonella	33354	33427*		Horseradish (plant) SEE Armoracia la-				Poland			72498*
95498*				pathifolia				treatment	22408	104129	22411*
Genista aethnensis			38421*	Horses	52125	52126	62633*	41590*			
grapes			18965*	abnormalities	3963	31664	52098	doping		104119	92879*
Helianthus			47990*	adaptation			52102*	draft	22402*	41827*	41858*
insects	23524	42862	42878	age	92882	3952*	31671*	52124*			
73492	94641	94647	23517*	anatomy and physiology			22450	Bulgaria			62597*
33010*	73059*	73476*	83737*	104087	52097*	52102*		Czechoslovakia			3996*
105508*				associations	13339	92865	104082	Germany			
effects on chick embryos	63822			13333*				East Germany		104148*	
reviews	23507*			Belgium		82435*		Hungary			92861*
Kalanchoe diargremontiana			9987*	breeding	31658	41823	52092	Netherlands		61316*	61331*
lentils	19385*	73858*		82433	92863	104087	22401*	Norway			52129*
Lepidoptera		23901*		22410*				Poland	3945*	4001*	33831*
Leptinotarsa decemlineata		43031		Bulgaria		62597*		52086*	72503*	72504*	92936*
Locusta migratoria migratorioides				cooperatives		13356*		training			92935
			23918	Czechoslovakia		13353		Western States			52127
Nicotiana			78370	effects of age	41842	62594*		embryos		72470	3685*
Nosema			73858	Germany	41822*	92859*	92860*	estrus		41820*	92902*
oats	28092	89759		92872*				exercise		13369	22412
Oedogonium			18579	East Germany		104092*		farms and ranches			22452
olives		47428*		Great Britain		31656		feeding and nutrition		3949	3950
Ostrinia nubilalis	33354	73792		hybridization		13343		22405	72502	92875	52105*
peaches		872		inbreeding		92870*		103581*			
peas	27950*	100238*		India		62592		China			92876*
Periplaneta americana	84202	95568*		Italy	13332*	22396*	22398*	Netherlands			41827*
Petrobius maritimus		84208*		22399*	22400*	62594*		Sweden			82437*
Phormia regina	73656	73657		New Zealand		92874		fertility	22391	13345*	41820*
Pieris rapae crucivora		53483*		Poland	13355*	52086*	92869*	62594*	62595*		
Piper methysticum		69212*		Republic of South Africa		104084		fossil			22459
plants	9678	9826		Southwestern States		3944		genetics	41825	13355*	22395*
28096	28185	38206		Sweden		22392*		41819*	62595*		
42862	68996	69085	69296	USSR		92857*		Great Britain			4000
73492	78592	78813	89771	Washington		52093		growth		52091*	82437*
9202*	18810*	27780*	68740*	breeds	104085	22458*	41827*	habits and behavior			13401*
68854*	89745*			92861*				history	4002	13331	82468
reviews			38399	American Quarter Horse		3941		92937			
Podophyllum		100721*		3948	13362	22403	31658	identification			104147*
Porcellio scaber		53231*		72468	82432	82436	104089	immunization			41852
				American Saddle Horse		13336		in art			3946

\*Text of this reference is not in English.



	Item			Item			Item	
Horses-- Cont			Horses-- Cont			Horticulture-- Cont		
in history		52130	taxation		56136	Germany	6943*	6691* 7559*
in literature		72501	trade			19739*	25309*	25534* 38946*
industry	56136	92932	Poland		76802*	49020*	49023*	69680* 79426*
infectious diseases	22406	22407	training	3995	3997	88626*	96778*	101105* 108053*
injuries	13381	22431	52121	52123	72500	East Germany		49018*
72492*	82383*		92878*			Great Britain	9200	10575 28764
foreign objects	92903	62638*	transportation		75587*	49017	59457	69668 69670
treatment	92921	104097	types		13335	79418	79419	90250 101101
Italy	62639*	62643*	vices	22460	92934	108402		
judging		82470	virus diseases		22437	history	38951	66492* 101098*
lactation			war use		3999	Hungary		10572* 88761*
losses			weight and measurement		104089	India	19744	28779 35829
meat production			wild		92933	69691		
metabolism			SEE ALSO Foals; Stallions; names of			Italy	10584*	44567* 54958* 90260*
milk production			anatomical parts, body fluids, dis-			Ireland		38937
Norway		72473	eases and other pathological condi-			Japan	38955*	59478* 79424*
ovulation			tions, operations, parasites, pests,			Jordan		10576
parasites	3978	22406	and products; and UNDER Logs,			labor	66481	66516 66528
82439	92897		hauling			Belgium		66470 66478
control	3979	62606	Horse's milk	97083	96441*	Germany		45522
parturition	72487	3685*	Horseshoeing		24060	Netherlands		16629*
pedigrees	41818	41826	Horsetail SEE Equisetum			16634*	26549*	45616* 66492*
pest control			Horticulture	19735	59458	legislation		1693
pests	3978	5623	90261	90263	10573*	Massachusetts		10581
92907	84010*	22439	79420*	90259*	59456*	mechanization		43438*
Bulgaria			accounting	56602*	66877*	Mexico	1699	28691*
California		63444	advisory services		1684*	mountain areas		28779
Virginia			as an occupation			Netherlands	10582*	28782* 28783*
poisoning	22419	31666	associations		1711	45464*	46009*	59470* 69679*
62607	62634	105118	Canada			Nevada		1460
52105*	62242*	105113*	Germany			Norway	10585*	69675* 69676*
Poland			Japan			Poland	85701	85699* 85700*
pony	22423	62592	Norway			policies and programs		
104115	62593*	104082	Switzerland			Belgium		108234*
pregnancy	41850	22393*	Australia			Great Britain		85673
62595*	71684*	82454*	Belgium	59468	28770*	Italy		15905*
diagnosis	31674	31670*	35832*	39855*	59455*	Netherlands		45462*
82449*			108234*			Poland	85701	85699* 85700*
prices		86197*	bibliographies		28767	research methods		49019
purchasing			20067*		49030	statistical		79432
racing	3957	72465*	Bulgaria		28780	research programs	1450*	59134*
104099*			California		38934	59475*		
Czechoslovakia		3996*	Canada	15898	38945	reviews		1683
Great Britain		31703	49026	69682		Rumania		1703* 19746*
Ireland		13330	Canary Islands		45647*	Scandinavia		19741*
Italy		82469*	Central America		90264	Scotland		19743
New Zealand		92874	conferences and congresses		33937	shows		69672*
training		104087	38933	90254	59466**	study and teaching	28773	44554
records and testing	52086*	72503*	Canada		19747	49016	101318	
72504*	82469*	92936*	Caribbean area		1681	Canada		59469
respiration			Colorado		10592	Germany		28765*
respiratory diseases	3993	22412	Delaware		27039a	Great Britain	1710	59459
92889	92900	92911	Florida		59461	Hungary	28771*	49015* 59476*
restraint	3962	15098	Idaho		38940	Massachusetts		90252
saddle			Illinois		79421	Michigan		1709
Sardinia			Indiana		69673	Netherlands		28769 8605*
selection			Maryland		38947	58213*	58878*	
shows	31703	52088	Michigan		49025	New York	19966	39284
Sicily			New York		79423	Norway		16631*
situation and outlook	34974	25830*	Ohio		38949	Switzerland		79422*
41822*			Virginia		38956	Sweden		59472*
stud books		13331	Washington	1712	49031	Taiwan		38935*
American Quarter Horse		72461	West Virginia		59481	USSR		59498*
American Saddle Horse		82429	costs and returns			Hortocritt		27233a* 88790*
Anglo-Arab		22394*	Denmark			Hoses		15356 40314*
Arabian		62587	Japan			Hospitals	8095	36091 46163
Belgian		31659*	Netherlands		7965*	76613*		
Clydesdale		52087	7968*	26931*	76462*	SEE ALSO Veterinary hospitals		
East Prussian		92872*	97984*	98008*		Hosta	20007	39303 77346 59708*
Fjord		104088*	Poland			Hostacyclin SEE Tetracycline		
Gotland Pony		3942*	credit		56091*	Hot air		
Jutland		72467*	Czechoslovakia			in pest control		14255*
Pony of the Americas		13352	Delmarva Peninsula	10583	34680	Hot springs		96051*
Shetland Pony		62599	Denmark	49012*	49021*	Hot water		
Thoroughbred	13342	41818	90248*			bactericide	65628	107357 63279*
52090	62596	72464	85653*				94567*	
31660*	52089*	82435*	equipment	10571	64338	effects on grain		67456
Welsh Cob		13361	46529*	53629*	59467*	effects on Hippeastrum		48202*
Welsh Pony		13361	Netherlands		15045*	effects on oranges		44734
study and teaching		31702	15236*	33544*	53876*	effects on seeds	58719	311*
surgery	13378	13398	Poland			1230*		
22428	31680	52095	Europe			effects on sugarcane		48452*
52108	52118	62627	Florida			fungicide	6906	44792 27090a*
104097	104102	104108	France	99677	56320*	insecticide		83472
3973*	31696*	41838*	85690*	101104*		nematocide	13740	18388 27353a
62622*	72480*	82458*				47595	99708	
92913*								

\*Text of this reference is not in English.

Item				Item				Item			
Hotbeds	2626*	38952*	39332*	Houses-- Cont				human ecology-- Cont			
79694*				heating	24263*	24264*	54049*	Utah			40175
Arctic Region			10699*	106475*				Western States	56747		56751
Bulgaria			29122*	history			84700*	56758	57177		
Germany			91592*	Italy			53989*	Wisconsin			36000
East Germany			50025*	maintenance and repair			33886	Human nutrition		5993	5998
heating	20203	2224*	20188*	Poland			43795*	6441	33960	36325	36338
54003*	64662*			prefabricated		12337*	40421*	36348	46449	46460	57076
plastic			84703*	40422*	40430*	102897*		57091	57106	57116	80139
Rumania			1703*	remodeling	24265	43788*	43792*	103193	6103*	17209*	46436*
temperature			33910*	Switzerland			53993*	54928*	57069*	57102*	67396*
Turkey			101395*	ventilation		83220	94058	67401*	74304*	76857*	76859*
USSR		59454*	64650*	Housing	43791	46111	56725	98376*	108919*		
House cricket SEE Acheta domesticus				Appalachian Mountains			74224	advisory services			27308
House fly SEE Musca domestica				costs			51201	Africa			71871*
House plants			101326*	credit			43791	and disease	8326	27287	36396
culture	10882	20089	28949	emergency	12742	33881	33890	36309	57093	74382	98354
28998	49221	49248	69816	53899	53982	54032	64314	108912	8325*	39817*	57072*
69818	69839	79590	79611	73918				87756*	87780*		
90384	101308	101309		Europe			74227	conferences and congresses			17210
Netherlands		39223*	59737*	Germany		56618*	96035*	and health	8312	8315	8316
79606*				India			51201	8324	8335	8341	17204
New York			59696	Italy	53989*	53995*	53996*	27328	36350	46440	46441
Oregon			10802	Latin America			106473*	46442	57070	57079	57089
Texas			90393	New York			46119	57136	76866	76867	87746
USSR			19988*	Poland	64633	53994*	74226*	87747	98354	98368	98380
ecology			47646*	policies and programs			108112	108912	108921	27293*	76851*
diseases			88593*	53991*	74220*			76852*	106552*		
Hungary			90462*	South Carolina			106471	reviews		46448	46465
Italy			90436*	USSR		24266*	24267*	and teeth	8322	36307	46431
pest control		4878	88593*	Venezuela			43787*	67412	76861*	76878*	
propagation	39292*	49255*	90463*	SEE ALSO Buildings; Houses; Loose				Angola		17227*	17228*
soils			20647	housing; and UNDER Labor; Live-				Arctic Region		27307	87808*
varieties	10783*	90461*	90465*	stock and names of animals				armed forces		76890	98338
SEE ALSO Gardens and gardening,				Howard mould count			85715	98361	98377	108940	67440*
miniature; Window gardens; and				Hoya			39145*	conferences and congresses			98342
names of plants				HRS-211 SEE Fenac				Iran			98378
Household insects			4886*	Hsuolepis shensiensis			93856*	Pakistan		87800	98364
control	42551	42604	42755	Huernia SEE Heurnia				Spain		98356	98375
63438	73298	93962*		Hugonia			8740	Turkey			98344
Africa			42485	Hulstina inconspicua			23836	Asia			43960
Australia	14308	32584	53003	Human bot fly SEE Dermatobia hominis				associations			87769*
94444				Human diseases	52815		52763	athletes	8358	27284	27289*
Denmark			4889*	Brazil			27118*	27291*	27292*	27316*	27317*
Finland			42733*	control			42484	27326*	57087*	67397*	67409*
Florida			73289	North America			14014	67411*	67428*	76846*	108910*
history			14240*	Puerto Rico			87422	conferences and congresses			67426*
Illinois			83523	transmission			62203*	Australia			67423
New Jersey			42744	by arthropods		23120	32732	Austria			67439*
New York			14241	42502	42505	42557	52782	bibliographies	27329		67434
Sweden			23366*	52802	105112*			108915			
Washington			83500	by insects		4776	14072	Brazil	27290*	27313*	46437*
Germany			94264*	23123	42560	52782	32704*	86942*	87745*		
East Germany			42538*	32713*	83232*	105137*		calories	17223	46440	57073
Greece			23091	reviews			42501	87772	98359	27323*	36343*
habits and behavior			73128	conferences and congresses				87765*	98395*	108964*	
SEE ALSO names of insects; and				USSR	32693	94053	94219	Central America			8320*
SUBHEAD household pest control				94242				children	6798	8335	17207
UNDER names of insecticides				Venezuela			83257	27301	36331	36339	36346
Houses				Human ecology	8064	46087	46108	46462	57081	57086	57095
Austria			43794*	56675	70723	87374	87383	76885	76886	98389	27323*
construction	15323	42537	23152*	67094*	76578*	87381*		87755*			
30600*	53988*			Andes			46084	Arkansas			98371
Japan		33889*	40430*	Angola			27066	developing areas	46455		57109*
Norway			40767*	bibliographies			98456	French Guiana			27354*
Republic of South Africa			71444	Brazil			36046	Germany			46488
Wisconsin			84702	Bulgaria			36041	Ghana			46457
designs and specifications			53999	Europe				Hawaii			54465
106476	40421*	53988*		reviews			46093*	India	27346	54470	98349
Arkansas			106470	Finland	76579	67093*	67095*	Iowa		36310	46453
bibliographies			74228	France		87382*	108653*	Italy		87751*	98353*
Europe			64632*	Germany	56742*	98108*	108651*	Latin America			17213
Germany	64302*	64307*	64310*	Great Plains			56442	Lebanon			8332
64629*	74221*	96039*		Greece			108658*	Libya			87786
East Germany			84700*	history		67091	87372*	Missouri			98351
Italy			53996*	Indonesia			46090	Netherlands		27330*	87778*
Japan			40422*	Japan			27065	Republic of South Africa		8347	8315
Mississippi			43789	Java			56757	reviews			27285
Poland	24268*	43742*	64631*	Lake States			27067	Sweden			8339*
74222*				Mexico			36043	Tropics			67435
Rumania			74223*	Mozambique			36045*	Utah			87739
Southern States			96037	Netherlands			70781	Colombia			98365
Sweden			106474*	New Zealand			8069				
Switzerland			53992*	Norway			67097*				
Texas		96036	96038	Sweden			108657*				
Virginia			74225								

\*Text of this reference is not in English.



Item				Item				Item			
Human nutrition--Cont				Human nutrition--Cont				Human nutrition--Cont			
conferences and congresses				New Guinea	36304	36323		USSR		108915	
57099 67425 76858	96167			Pakistan	27334	98339	98340	women		67451	
17211*				98341				Yemen		76853*	
Africa	24319	8344**		Panama		8320*		youth	6798	8317	8318
France		27316*		Peru	27286	98367		8324	8328	8338	27325
Germany	46445*	108945*		Philippines	64900	65684	67398	36336	36337	36341	57117
East Germany		87775*		policies and programs			27303	57119	57126	57127	64841
Israel		98358		36329	36330	36336	36337	67436	98370	108927	27295*
Philippines		67421		57084	57089	57103	67417	87731*	87754*	87755*	87810*
Costa Rica		27296*		76862	87757	98348	87753*	108973*			
Czechoslovakia		87765*		87771*	108923*			North Carolina		36328	
deficiencies	8312	8323	17212	Asia		24538		Texas		27306	
17223 24315 24335	36318			Basutoland		98373		Yugoslavia			
46470 57107 57137	67400			Central America		87733		reviews		46448	
84773 108934 108936	15362*			Colombia		46466		SEE ALSO Cookery; Dietetics; Food;			
27323* 57071*	57124*			Connecticut		76848		School lunches; Soils, plant-animal			
87756* 98362*				developing areas	55408	67429		relations; names of food and food			
Africa		67451		Germany				elements; and SUBHEAD in human			
developing areas		57109*		East Germany		87758*		nutrition UNDER specific subjects			
Ghana		46457		India	35271	106548		Humic acid	11310	101689	2173*
India		98349		Netherlands		36327*		analysis and composition			11277
Indonesia		67454		Panama		87733		effects on Eucalyptus			71239
Latin America		43877		Philippines		98374		effects on mulberries			9656
Malaysia		67408		Puerto Rico	27318	27322		effects on onions			18591*
Pakistan		46429		Republic of South Africa		5981		effects on plants		890	19109
Tropics	67435	67454				8333*		69018	996*	1257*	27568a*
desert areas	57093	36316*		Texas		27306		effects on Populus			71239
developing areas	36332	76864		requirements	5973	8331		effects on wheat	48027*	89837*	
25344*	56015*	108743*		36375	46447	57088	87764	in plants			69226*
diet	8340	27300	27311	87772	98357	98359	27319*	in soils	11228	11238	11262
46439	76847	87748	93975	66488*	67397*	67411*	67428*	20422	29469	39755	49718
96493	27282*	27333*	106711*	87734*	87736*	87737*	87745*	49755	49761	60135	60136
106712*				87753*	87755*	87758*	87761*	90888	101779	2144*	2174*
history		27327		87762*	87765*	87767*	87770*	2255*	11240*	11305*	39697*
India		17231		87771*	87776*	87777*	87787*	39719*	49681*	49682*	49820*
Iowa		36310		108917*	108943*			60161*	70263*	70270*	70375*
New Guinea		36377*		reviews		46444		101730*	101772*		
Norway		57068*		research methods	98347	98382		Humidity			
vegetarian		43961		8329*				effects on Acarus siro		53008	
Washington		67437		statistical	103086	108918*		effects on adhesives		40955	
Ecuador		87750*		research programs	57075	103127		effects on Adiantum		28997	
Europe		43887		reviews	27300	46464	46468	effects on Aedes aegypti		95141	95131
Finland		57094		situation and outlook	8313	8314		effects on Anopheles stephensi		4713	
France		36343*		8336	36312	55415	57090	effects on Anthurium scherzerianum		27069a*	
reviews		46463		67087	67403	67413	108929	effects on Aphanotus destructor		33125*	
French Guiana		27354*		Southern States		34351		effects on avocados		78756	
Germany	36355*	108943*		Spain		98381		effects on barley		68915	
East Germany	27320*	57100*		study and teaching	36311	36324		effects on beans		69010*	
Great Britain		17224		46450	57077	57082	67405	effects on Bombyx mori		53120*	
history	8334	8340	27300	98345	108937	43888*	76850*	effects on Bryobia praetiosa		14489	
Great Britain		27288		108916*	108945*			effects on Carpoplyphus lactis		63678*	
Italy		20337		Germany		46445*		effects on cattle	12830	22017	
Netherlands		87735*		Netherlands		76855	67433*	51867	52796	62106	82351
Hungary	46443*	87777*		New York		8337	8337	92192	94147		
in flight		87752*		Washington	57078	67428	67427	effects on Cheyletus eruditus		53008	
in industry	87732*	87761*		surveys	8318	8328	8338	effects on Chinese cabbage		100364*	
in institutions	57080*	84831*		36334	64841	67422	67427	effects on Cingalobolus bugnioni		73535	
in old age	27283	27305	57101	67431	98347	98355	98377	effects on Conoderus vespertinus		14573	
76862	87773	87774	57080*	98382	108927	108928	27297*	effects on Conophthorus coniperda		33095	
in pregnancy		67412	76854	46434*	108918*			effects on Contarinia medicaginis		73229*	
108935	8319*			Denmark		67430*		effects on cotton	59287	89592	
in space flight		67399	67404	Germany		87731*		effects on crickets		5590*	
67410	76849	98350	98357	East Germany	27298*	87761*		effects on Cryptolestes ferrugineus		43027	
98359	98363	106543	108924	87759*				effects on Culicoides obsoletus		64005*	
108972				India		46451		effects on Digitalis		89699*	
conferences and congresses				Italy	27295*	67416*	87751*	effects on Diptera		105371	
reviews		98369		98353*				effects on dogs		41772*	
India	17219	27340	76883	Japan		108933*		effects on Echinolaelaps echidninus		94739	
108932	108970			Java		67414*		reviews		53230	
infants	17207	17214	27301	Korea		36321		effects on fibers	25162	54886*	
57083	57133	67394	67395	Lebanon	8332	108913		effects on flour		106582*	
87738*	108917*	108920*		Libya		87786		effects on forest fires		21353	
developing areas		46455		Near East		17206		effects on forests		68411	
Korea		36321		New Guinea	46432	46433		effects on fungi	92061*	40827*	81398*
Nigeria		8316		Nigeria		8341					
Republic of South Africa		8347		Norway	57068*	57080*					
Iran		106569		Philippines		87768					
Japan	87779	17234*	57098*	reviews		27285					
57125*				Spain		87785*					
Lebanon		57104		Sweden		8339*					
Mexico		87743		Switzerland		67406					
mountain areas		27321*		Venezuela		8343*					
Near East		15379		Switzerland							
Negev Desert		36315		reviews		46467					
Netherlands		67420*		Tropics		57092					
				Uganda		7776					

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.

Item	Item	Item	Item
Humidity-- Cont	Humus-- Cont	Hybrids SEE UNDER Plants and names	
effects on house plants	Germany 50980	of animals and plants	
effects on Hyphantria cunea	2250* 101716*	Hydarella	95201*
effects on insecticides	East Germany 12053*	Hydatid mole	62550*
effects on insects	Hungary	Hydatidosis	41370 103352
effects on isopods 73516	in fermentation	cats	41776 92734
effects on Larix decidua	Italy	cattle	82195 3688* 31406*
effects on Lasiohelea sibirica	Japan 60260	31467* 62407*	82284* 103703*
effects on Locusta migratoria	mountain areas	control	
migratorioides	New Hampshire	reviews	3611* 22211*
effects on Marchantia	North Carolina	diagnosis	31296 31393*
effects on Mathiola incana	Poland 49689*	France	92406*
effects on meat 7169*	properties	Netherlands	62250 92434*
effects on mites	Rumania	transmission	62273* 82233*
effects on nematocides	Sweden	Yugoslavia	62203*
effects on Oniscus asellus	Switzerland	control	71804*
effects on Panonychus citri	USSR 49862	dogs	103978
effects on Pectinophora gossypiella	39716* 70675*	103979 31595*	52043* 62498*
	102819*	foxes	13321*
effects on Petunia	United Arab Republic	Great Britain	4372
effects on Picea abies	Yugoslavia 12066*	reviews	81754
effects on Pinus cembra	SEE ALSO Soils, management, bio-	horses	104144
effects on plant disease	logical aspects; Soils, organic matter	Kenya	3233
18202 47073 47317 77872	Hungarian vetch	man	107647*
99434 27119*	Hungazin	New Zealand	
effects on plants 9716 26793	Hunteria eburnea	reviews	81754
68411 89055 28200*		reviews	61886*
effects on pollen	Hunting 102839	sheep	72851*
effects on Polyporus brumalis	Hunting rights	82794* 104693*	63095*
effects on Porcellio scaber	Huntleya SEE Zygopetalum	swine	4563 32417 4598*
effects on potatoes	Hunyada SEE Rosiora (Hunyada)	62203* 75602*	104923*
effects on poultry	Hurricanes		
effects on Prodenia litura	Caribbean area	Hydnaceae	26935
effects on Pseudococcus citri	control	Hydnocarpus wightianus oil	97235
effects on Pseudococcus vitis	effects on forests	Hydnopolyporus	17887
effects on Psylla pyricola	40697 40708	Hydnum	99890
effects on rice	effects on rice	Hydnum cirrhatum	47028*
effects on sausages	Japan	Hydracarina SEE Hydrachnellae	
effects on Schistocerca gregaria	HUV programming method	Hydrachnellae	
106077 106103	Hyacinth Dolichos	Africa	94794*
effects on Schizophyllum commune	anatomy and physiology	as parasites	14427 5066*
effects on Scolytus ratzeburgi	biochemistry	biology	83808*
effects on seeds	culture	Carpathian Basin	5110*
81165 58755* 69004*	fungus diseases	Czechoslovakia	105501*
effects on sheep	pests	Denmark	33064*
effects on soybeans	proteins	ecology	105581 33037*
effects on starches	virus diseases	94681*	
effects on Stomoxys	Hyacinthus 40100	Great Britain	83780
effects on sugar beets	48405* 58868*	larvae	83808*
effects on sugarcane	Hyadaphis brassicae SEE Brevicoryne	life history	94786*
effects on sunflowers	brassicae	Netherlands	33036*
effects on sweetpotatoes	Hyadesia glynni	North America	23545
effects on Tenebrio molitor	Hyalocalyx	Republic of South Africa	74793*
effects on ticks	Hyalochna	Rumania	23940*
effects on tomatoes	Hyalomma	taxonomy	83080* 94681*
effects on wheat	Hyalomma aegyptium ferozdeni	94682* 94794*	
effects on wood	Hyalomma asiaticum	USSR	73549*
81620*	Hyalomma detritum	Hydrachnida SEE Hydrachnellae	
effects on wool	Hyalomma plumbeum	Hydracrylic acid beta-lactone	31971
measurement	Hyalomyia jeanneli	62820 3277* 62796*	
105073	Hyalophora cecropia	Hydraecia SEE Hydroecia	
SEE ALSO UNDER kinds of buildings	anatomy and physiology	Hydraena	94883*
Humococcus	biochemistry	Hydraena anatolica	14527*
Humulus japonicus	94615*	Hydraenidae	53282 42989* 94883*
Humus	diapause	Hydrangea	
2276 39773 60185 60209	eggs	biochemistry	69286*
60254 61023 81007 81179	enzymes	culture	28980*
90962 101818 5632* 11363*	metamorphosis	fungus diseases	27131a*
14362* 20435* 20467* 20501*	pupae	varieties	1863 39219 49267
29470* 29583* 39764* 40030*	Hyalophora promethea	90442	
40597* 48162* 49770* 49808*	Hyalopterus pruni	Hydrangea bretschneideri	49280*
50041* 50153* 79236* 70329*	Hyalopus	Hydrangea hortensis SEE	
70382* 80070* 90941* 101731*	Hyaloscyphaceae	Hydrangea macrophylla	
102016*	Hyalostachybotrys	Hydrangea macrophylla	89793 47496*
analysis and composition	Hyalurgus tomostethi	68037* 69860*	
70377 90860 2162* 2200*	Hyaluronidases	Hydrastine	38553
11268* 11330* 29492* 29500*	93893*	Hydrastis canadensis	38553 46833
39698* 39845* 49677* 49728*	Hyattella n g	Hydrated lime SEE Calcium hydroxide	
49743* 49748* 49752* 49780*	Hybanthus heterophyllum	Hydraulics	15251 15353 23999
71132* 80029* 90861* 101883*	Hybanthus suffruticosum	80637 84304 84604	85846
Belgium	Hybocampa milhauseri	106365 106404	15031* 24185*
Bulgaria	Hybomischos SEE Perithous	33537* 33644*	40213* 43525*
chemistry	(Hybomischos)	43536* 43726*	53651* 64556*
49730* 49741* 49766* 70291*	Hybosorinae	64557* 84606*	
90861* 90937*	Hybridization SEE UNDER Insects and	conferences and congresses	2517*
bibliographies	names of insects; and SUBHEAD breed-	Hydrazides	31379*
France	ing, hybridization UNDER Livestock	Hydrazine	25242 72415 89865
	names of animals	Hydrazones	107944*
		Hydrellia griseola	14106 52834*

\*Text of this reference is not in English.



Item	Item	Item	Item
Hydrellia nasturtii SEE Hydropota nas-			
turtii			
Hydrethus 42969*			
Hydrobasileus brevistylus 43353			
Hydrocarbons 1283 19320 24369			
effects on Fusarium moniliforme 48087			
effects on soils 101646			
in Eleodes longicollis 33098			
in fats and oils 107736 45113*			
in fibers 34575			
in food 86138			
in peas 78692*			
in Periplaneta americana 95560			
in rubber 86380			
in tobacco 26347			
Hydrocephalus 22140 92582			
Hydrocharis morsus-ranae 47726			
Hydrocharitaceae 18575 26881a			
Hydrochidae 94812			
Hydrochloa 11118 101548			
Hydrochloric acid 8622			
effects on Bombyx mori 83701*			
effects on microorganisms 97344			
effects on soils 20425* 29488*			
in soils 20449			
in water purification 31727			
therapeutic use 91915*			
Hydrochlorothiazide 41560 30977*			
Hydrochus 94812			
Hydrochus chubu 94812			
Hydrocorisae SEE Cryptocerata			
Hydrocortisone 41675 41685			
51545 21927* 92864*			
effects on sheep 4362			
effects on swine 104900*			
in blood 104645			
in cattle physiology 92517*			
in sheep physiology 42185 42197			
in urine 72251			
delta-Hydrocortisone SEE			
Prednisolone			
Hydrocotyle sibthorpioides 47589			
Hydrocotyle vulgaris 17773*			
Hydrocyanic acid 38582			
effects on plants 48339*			
effects on Tetranychus telarius 83468*			
in feed 61746*			
in flax 10273*			
in grapes 34241*			
in plants 48574 48645			
in sorghum 10247			
in white clover 44396			
storage pest control 105340 23361*			
53002*			
toxicity 103886			
Hydrocyclones 25715* 55854*			
Hydrodictyon reticulatum 78231 95557			
Hydroecia micacea 95453*			
Hydroecia nordstroemi 43302*			
Hydroecia petasitis 95557 95378*			
Hydroecia rungsi 23824*			
Hydroelectric power 15351 91228			
60704*			
Canada 5962 96066			
USSR 24302			
Hydrogamasus 94679			
Hydrogen 78967			
effects on Anabaena cylindrica 58662			
effects on Avena 58819			
effects on plants 28019			
in bacteria 1067			
in Chlorella 22356			
in dog physiology 75110			
in fibers 19338			
in plants 1249 10206			
39767 69017 89117			
in soils 60145 60130* 101764*			
Hydrogen chloride SEE			
Hydrochloric acid			
Hydrogen cyanide SEE			
Hydrocyanic acid			
Hydrogen fluoride 89694*			
Hydrogen peroxide 78962*			
effects on Chlorella vulgaris 65304*			
effects on fibers 89160			
effects on onions			
Hydrogen peroxide--Cont			
effects on plants 68661			
effects on soils 11245 20455			
70299*			
in cheese manufacture 107021			
in dairy products 25011			
in fiber processing 65262			
in milk processing 15727 25011			
21790* 44272*			
in Tolypella nidifica 100255*			
therapeutic use 22411*			
Hydrogen phosphide SEE Phosphine			
Hydrogen sulfide 32625 58909			
85164*			
Hydrogenases 28300 58953 69246			
78990*			
Hydrographs 98676*			
Hydrol SEE Molasses			
Hydrolases 1356 38590 38616*			
49727* 72658*			
Hydrology SEE Water, underground			
Hydrolysis 2145 2150 2169			
11222 20449 39715 60188			
80056 80058 100632 39762*			
SEE ALSO UNDER specific subjects			
Hydromel SEE Mead			
Hydrometers 6403 74765			
Hydrometra sumatrana 95239			
Hydrometridae 95239			
Hydromya dorsalis 73660			
Hydronephrosis 103995			
Hydroneotkatol 30668			
Hydropericardium syndrome SEE			
Toxic fat disease			
Hydrophilidae			
Belgium 5143*			
biology 33132			
China 105667*			
geographic distribution 43041			
Madeira Islands 83863*			
Pacific Northwest 83869			
rearing and breeding 63959*			
Hydrophorus 53326			
Hydrophyllaceae 9401 36822			
57570			
Hydroponics SEE SUBHEAD soilless cul-			
ture UNDER Plants and names of plants			
Hydroporinae 14552 94933			
Hydroporus 42989*			
Hydropota nasturtii 73615			
Hydropsyche 53573 95666*			
Hydropsychidae 14970* 95665*			
Hydroptila 14942 95678*			
Hydroptilidae 14942 14987 95603			
106126*			
Hydroquinone 9183 77859 28370*			
89196*			
Hydroscaphidae 42989*			
Hydrosulfites SEE Dithionites			
Hydrous senegalensis 94903			
Hydrovatini 14552			
Hydrovatus 14552 5181*			
Hydroxides 11234			
Hydroxy acids 35158 6747*			
3-Hydroxy-2-butanone 38531 48550			
74340 96271			
Hydroxy compounds 63920 69202			
5-Hydroxy-7,4'-dimethoxy-6,8-dimethyl- flavone 91737			
3-Hydroxy-N, N-dimethylcrotonamide			
dimethyl phosphate SEE Bidrin			
5-Hydroxy-2-hexenoic acid lactone			
5-Hydroxy-beta-indoleacetic acid 68812*			
79032*			
89415* 103215*			
4-Hydroxy-N-methyl-L-proline 51281			
p-Hydroxy-a [(methylamino) methyl]- benzyl alcohol 65456 75198 79052			
17-alpha-Hydroxy-6-alpha-methylpro- gesterone 72803 104649 104663			
3-beta-Hydroxy-olean-19-en-28-oic acid			
28374*			
gamma-Hydroxy-alpha-oxoglutaric acid			
78920*			
gamma-Hydroxyarginine 78903			
Hydroxybenzoic acid 70333 89782			
p-Hydroxybenzoic acid 100733*			
2-(alpha-Hydroxybenzyl)-benzimidazole			
SEE alpha-Benzimidazolyl cresol			
Hydroxybutyrates 52447			
Hydroxycinnamic acid 376 58996			
70333 78876 1415* 89911*			
17-Hydroxycorticosterone SEE Hydrocor- tison			
9-Hydroxydec-trans-2-enoic acid 42801			
Hydroxyethylcellulose 21687 30716			
52683			
Hydroxyethyl group 24390			
gamma-Hydroxyglutamine 28384			
3-Hydroxykynurenine 53338*			
Hydroxyl 101742			
Hydroxyl groups 100631*			
Hydroxylamine 3012 18349 58225			
62422 48639*			
Hydroxylsine 103378 78922*			
Hydroxymethyl-2-furaldehyde 15922*			
83613*			
Hydroxymethylfurfural SEE Hydroxy- methyl-2-furaldehyde			
gamma-Hydroxyornithine 78903			
Hydroxyperoxides 97222			
4-Hydroxypipicolic acid 48615*			
17 alpha-Hydroxyprogesterone-N-capro- ate 92170			
Hydroxyproline 13451 27858			
25861*			
8-Hydroxyquinoline 28365*			
4-Hydroxytryptophan 28313*			
Hydroxywilfordic acid 32582			
Hydroxyzine hydrochloride 75048			
Hygia 95201*			
Hygrobates 94681*			
Hygrobates 94793*			
Hygrobates 94793*			
Hygrolembidium n g 36955			
Hygroma 82273*			
Hygrometers 36680 84721			
78346*			
Hygromix 82659*			
Hygromycin 42007*			
Hygromycin B 52280*			
Hygrophila spinosa 27586			
Hygrophorus 208 231			
Hylastinus obscurus 52875*			
Hylecoetus dermestoides 53046*			
Hylemya 83298*			
Hylemya antiqua			
control 42423 83335* 94327*			
genetics 73617			
insecticide resistance 13960 42423			
Israel 64058			
life history 32754			
rearing and breeding 43094			
Hylemya brassicae			
control			
chemical 94292 32772* 73188*			
Iceland 83303*			
Massachusetts 52902			
Netherlands 63568*			
Norway 42637*			
USSR 83349*			
Wisconsin 42382			
insecticide resistance 23039 42382			
larvae 64052			
overwintering 23647			
Hylemya cilicrura 14111 63543*			
63571*			
Hylemya coarctata 73217 23206*			
33196* 42572* 63992*			
Hylemya floralis 42623 32772*			
42637*			
Hylemya florilega 14111			
Hylemya laricicola 63730			
Hylemya liturata SEE Hylemya florilega			
Hylemya penicillifera 63600*			
Hylemya platura			
SEE Hylemya cilicrura			
Hylemya securis 63600* 83388*			
105696*			
Hylemyia SEE Hylemya			
Hylesinus fraxini 105374*			
Hylicinae 95211			
Hyllisia 42962*			
Hylobiinae 94993			

\*Text of this reference is not in English.

Item			Item			Item		
<i>Hylobius abietis</i>	23614	23385*	Hymenoptera-- Cont			<i>Hypera postica</i> -- Cont		
32898* 42774*	94461*	105327*	Germany	105887*		habits and behavior	53280	
<i>Hylobius pales</i>	5072	14263	East Germany	105891*		63913		
<i>Hylobius rhizophagus</i>		42769	Great Britain	33350	53433	insecticide resistance	63370	
<i>Hylocerius polyrhizus</i>		18506	95299			nutrition	42981	
<i>Hylocomium splendens</i>		78068*	Greece		14843*	Ohio	23263	
<i>Hyloconis n g</i>		73818	habits and behavior	5480	53086	parasites	14093	14831
<i>Hyloniscus riparius</i>		5101	84109			rearing and breeding		43043
<i>Hyloponyx</i> SEE <i>Hoplonyx</i> ( <i>Hyloponyx</i> )			host animal relations		14796	South Carolina		94982
<i>Hylotrupes bajulus</i>		94452*	33346 73740	105871	105868*	<i>Hypera variabilis</i> SEE <i>Hypera postica</i>		
control	14266	23395	host plant relations		5480	<i>Hyperaspis</i>	33131*	
14274* 14287*	83555*	105361*	hosts	73781	14801*	<i>Hyperecteina</i>	5237*	
development		14537*	Hungary		14830	<i>Hyperglycemia</i>	84202	
dissemination		4923*	identification		95313	<i>Hypericum</i>	1897	46869*
Germany		63709*	India	84105	95274	biochemistry		69263*
larvae	53286	63688	introduction		105905	fungus diseases	37275	88757*
14500* 42787*		14256*	Israel		43205*	genetics		58433
			Italy		95306*	soils		10894
Poland		4905*	Japan		43206	taxonomy	55645	69263*
<i>Hylurgopinus rufipes</i>	14271	32921	larvae	53422	14801*	<i>Hypericum aegypticum</i>		89151*
63697 83576	105357		Lebanon		95320*	<i>Hypericum calycinum</i>	28144	39278
<i>Hymenia recurvalis</i>		14852	life histories		14657	<i>Hypericum canadense</i>		17694
<i>Hymenocallis</i>		10097	longevity		95304	<i>Hypericum hookerianum</i>		89151*
<i>Hymenocallis velardei</i>	8762	10851	Malagasy Republic	95355	14816*	<i>Hypericum kalmianum</i>		1853
<i>Hymenocallis venezuelensis</i>		8763	43193*			<i>Hypericum linearifolium</i>		68374
<i>Hymenochaete</i>		67939	Mexico		95333	<i>Hypericum nummularium</i>		59047*
<i>Hymenochaete crociareas</i>		68810*	Micronesia	73783	84112	<i>Hypericum oil</i>		55645
<i>Hymenogaster</i>		67984*	mountain areas		14830	<i>Hypericum perforatum</i>	42403	49529
<i>Hymenolepiasis</i> SEE <i>Tapeworms</i>			Nearctic Region		53426	73073		
<i>Hymenolepis diminuta</i>	42987	63980	Neotropical Region		23780*	<i>Hypericum yojiroanum</i>		88399
<i>Hymenolepis microstoma</i>		63979	nests	14801*	84173*	<i>Hyperodes bonariensis</i>		23190
105635			nomenclature	5449	5455	<i>Hyperodes humilis</i>		23266
<i>Hymenomyces</i> 9392	67957	9783*	14787 33297	33304	64142	<i>Hyperomyzus lactucae</i>		83457*
<i>Hymenophyllaceae</i>	18650	68593	73743*			<i>Hyperomyzus pallidus</i>		83452
77432 18660*			North America	5447	64168	<i>Hyperomyzus staphyleae</i> SEE		
<i>Hymenophyllum simonsianum</i>		18650	Oriental Region		23812	<i>Rhopalosiphoninus staphyleae</i>		23688
Hymenoptera			Paleartic Region	14841	95363*	<i>Hyperoscelidae</i>		
Africa	43220*	73748*	105876*			<i>Hyperphos</i> SEE <i>Phosphate rock</i>		
Albania		84096*	parasites		84212*	<i>Hyperphosphate</i> SEE <i>Phosphate rock</i>		
anatomy and physiology		14794	Philippines	53424	73737	<i>Hypersensitivity</i>		42291
84085 84076*	95306*					<i>Hypertension</i>		52646
Argentina		64162*	Polynesia	23814	95366	<i>Hyperthyroidism</i> SEE <i>Goiter</i>		
as parasites	5480	13914	populations	5480	53429	<i>Hypertrophic pulmonary osteoarthro-</i>		
14657 14812	23303	33306	protective devices		63769*	pathy	31599	104002
73740 73770	73815	105890	rearing and breeding	95304	95329	<i>Hyphaene indica</i>		88370
14795* 42717*	43159*	64163*	33293* 33309*	105324*		<i>Hyphantria cunea</i>		33444*
95295*			rearing and breeding equipment	95055*		control		83181
Fiji		4850	reproduction	53456	42817*	ecology		14887
Germany	84071*	84079*	Rumania	43209	14818*	food and host plants		84150*
Italy	14181*	95342*	Spain		14810*	habits and behavior		53494
Jammu and Kashmir		33388	Spanish Sahara		95351*	populations	53500	64213
Japan		84111	stings		52816	predators	23915	106048*
Norway		23377	Syria		95320*	taxonomy	95486	99054
Paleartic Region		84135*	Taiwan		53441	<i>Hyphantus</i>		53293
Poland		42718*	taxonomy	14797	14804	<i>Hyphodontia</i>		88554
USSR	63700*	84167*	14839 73736	73773	84091	<i>Hypholoma coprinifacies</i>		47684*
as pests		5477*	84095 95339	105879	105880	<i>Hypomycetes</i> 9681	33016	88511
Asia	84105	14815*	14795* 33334*	53452*	64137*	anatomy and physiology		9484*
Australia	14833---	14835	84077* 95307*	95310*	105892*	Australia		17879
84105			73764	94097*	84097*	Czechoslovakia		88536*
Australian Region		23812	types	14792*	43233*	ecology	47624	89002
Belgium		14817*	variation	84104	43211*	Himalayas		8857
biology	53437	14801*	USSR		67911*	India		8858
Bornholm		14793	<i>Hymenostomum rostellatum</i>		95255	Japan		8879
Brazil		64138*	<i>Hyocephalidae</i>		99004*	North America		223
California	14734	95336	<i>Hyophila involuta</i>	29421	38622*	Oregon		36986
caste		14826	<i>Hyoscyamine</i>	89914*		Sweden		26957a
Central America		73759	<i>Hyoscyamus</i>		69197*	USSR		77468*
Chad		5475*	<i>Hyoscyamus muticus</i>	28048	78300	<i>Hypnosis</i>		104543
China	95356	105872*	<i>Hyoscyamus niger</i>	68406	78299	<i>Hypnum circinale</i>		58234
collecting		33295*	<i>Hyostromylosis</i> SEE <i>Stomach worms</i>			<i>Hypoaspis</i>		73522
collections	64156	95291	<i>Hyparrhenia</i>	19671	91166	<i>Hypochoeris</i>		
India		95311	<i>Hypocoum procumbens</i>		78136*	SEE <i>Hypochoeris</i>		
Italy	33314*	95341*	<i>Hypera brunneipennis</i>	53262	63978	<i>Hypochilus gertschi</i>		14445
95364*			<i>Hypera meles</i>	32788	42990*	<i>Hypochlorites</i> 61571	75071	6755*
color		14812	<i>Hypera nigrirostris</i>	5200	63971	<i>Hypochnus cucumeris</i>		27127
colonization		83477	42990*			<i>Hypochoeris</i>	41230*	98863*
communication		63769*	<i>Hypera postica</i>			<i>Hypochoeris cretensis</i>		38359*
Czechoslovakia		95317	anatomy and physiology		94982	<i>Hypochoeris radicata</i>		90608
diseases		105898	biochemistry		63913	<i>Hypocrea</i>		89238
ecology		14801*	control			<i>Hypocrea gelatinosa</i>		89238
Europe		84073*	Eastern States		14093	<i>Hypocrea rufa</i>		89238
feeding habits	14400	73740	Hungary		94304*	<i>Hypocrepopsis</i>		67939
Finland	5448*	64148*	South Carolina		32788	<i>Hypoderma</i>		
food and host plants	5480	5481*	Tennessee	32800	42565	anatomy and physiology		52764*
33293* 63700*			Utah		42600	as pests	41571*	105134*
geographic distribution		43190*	development	42981	42988	control		23143
43233*			food and host plants		23203	Arkansas		63509

\*Text of this reference is not in English.



	Item			Item			Item	
Hypoderma-- Cont			Hypotyphlina	14691*		Ice Cream-- Cont		
control--cont			Hypoxanthine	100563		supplies		
Canada	23177	32688	Hypoxestus	73525		directories		15580
chemical 63499	63514*	63524*	Hypoxylon pruinaum	18064	228	tests	54519	65052
Germany	52813*	94212*	37761 47200 47210	68554		vegetable fat		24744
Hungary		32691*	99364 99372			weight and measurement		65122
Mississippi		73148	Hypsalia merga	23923		74888		
Northern Ireland		42533	Hypsibius arcticus	42911		SEE ALSO Frozen desserts; Ice milk		
tests	23132	33481*	Hypsidae	84183		Ice milk	54496 54680 74933	
USSR	14058*	23146*	Hypsomias	73609*		85343 85448		
enzymes		23143	Hypsomias (Parypsomias) n sgen	73609*		Iceland poppy SEE Papaver nudicaule		
host animal resistance		14045	Hypsoperine graminis	47594		Icelita n g		105936
larvae		32727	Hypsopyla grandella	94460*		Icerya		23752
populations		63499	Hysterectomy	72377	104813	Icerya pulcher		5371
Rumania		63454*	Hysterimeter		26215	Icerya purchasi	83399* 104976*	105162*
USSR		52764*	Hysteria	42050	93260	Ichneumonidae		
Hypoderma bovis	73167	94187*	Hysterium		26973a	anatomy and physiology		95342*
control	4712	13997	Hysterochelifer		105548*	105902*		
25885*			Hystrichopsyllidae	5633	64268	as parasites		5478
Canada		105126	95667 106123 106134*	106135*		Australian Region		23812
chemical	52790	52818	63495			biology	5478 14831	43190*
94054 94057*						Canada		64135
France		94247*				ecology		5478
Germany		14056*				embryos		73744
USSR	83278*	94260*				Europe		95348*
eggs		83222*				fecundity		64136*
Spain		94235				France	43189*	95278*
Hypoderma lethale		99317				habits and behavior		84086
Hypoderma lineatum		94187*				host animal relations		73771 84086
control	4712	13997				64136*		
chemical	52818	63495	IAA SEE Indoleacetic acid			hosts		73765 95314*
105126			Iassinae	23757		identification		14803 43190*
India		63508	Ibalia ensiger	73782		immature stages		64135
Texas		14001	Ibaliidae	73782		Japan		73765 73766
USSR		83278*	Ibidoecus dianae	106156		Latvia		43217*
cytology		33168	Iboga	48622		larvae		43226*
development		95086	Ice	30444	21404*	life history		64135
Indiana		73137	Ice cream			Malagasy Republic		95355
Turkey		94156*	advertising		54588	metamorphosis		33325*
Hypoderma tarandi		32683*	analysis and composition		85272	Nearctic Region		33348
Hypodermataceae		17880	74805* 85273*			Netherlands		95316*
Hypodermatidae	33168	105700	and disease		65132*	nomenclature		84068*
Hypodermella sulcigena		99471	bacteria	65052 65039*	65118*	North America		64168
Hypogastrurinae		15002	74760*			Oriental Region		23812
Hypoglycemia	83067	93869	chemistry		85431	overwintering		73769*
Hypogymna morio		83297*	consumer preferences	85272	85345	Paleartic Region		73778*
Hypohypurus amaranthi		33129*	consumption		106931*	Philippines		53424
Hypolimnas misippus		14893	containers		6466	Poland		95337*
Hypolithus bicolor	5144	14582	costs and returns		24967	rearing and breeding		95314*
Hypomagnesemia			defects		106971	Rumania		23784*
cattle	12973	13046*	directories		85116*	Spain		105870*
62247*			emulsifiers	6476	6505	speciation		84068*
causes	62424	31404*	fat	34452	65122	taxonomy	33316* 43226*	84097*
Netherlands	62316	13134*	flavor and odor	15692	106971	types	5482	84087*
prevention		3465	flavoring	6482	6524	USSR		53445*
reviews	22204*	22205*	44381 54638 54647	54654	96555	variation		43190*
treatment	22255*	22179*	54660 55170 65176	96555	107031	water relations		73769*
			96561 96578 107004	107031		Ichneumonoidea		105872*
sheep		93668	107050 107052 107061	24967		Ichoronyssus		53179
Hypomyces		9484*	formulas	6482	6438*	Ichthammol		93710*
Hypomyces lactifluorum		27511a	grading and standardization		65396*	Ichthyl SEE Ichthammol		
Hypomyces solani cucurbitae		9039	15695* 74866*	65396*		Icterus SEE Jaundice		
9040 47255 68825			industry	6329	65122	Ictinogomphus ferox	84223	106142
Hypomyces trichothecoides		37691	ingredients	6502	6522	106143		
Hyponomeuta	33406	52957*	44368 55092	65155	25024*	Ictinogomphus rapax		23962
Hyponomeuta cognatellus		73786	96603*			Idaea lineata		73803
Hyponomeuta evonymellus		73786				Idiocerinae		95226
Hyponomeuta malinella SEE Hyponomeu-						Idiocerus	53380	84038
ta padella malinella						Idiogaryops n g		14441
Hyponomeuta padella	4855*	32829*				Idiophyes		14568
32836* 52929*						Idiopterus nephrolepidis	63668*	84040*
Hyponomeuta padella malinella		4855*				Idioscopus		95226
32836* 84118* 95503*	105299*					Ido-Genabil	12585*	12980*
Hyponomeutidae						Igel-Lange test	6734*	47500*
Albania		84136*				Ileodictyon SEE Clathrus		
biology		33416*				Ilex		10885
food and host plants		14885				anatomy and physiology		18487
life history		73815				38251 100357		
mortality		64189				culture		1828
parasites	95558	84135*				fungus diseases		18131
populations		64189				morphology		37699
Hypophysis SEE Pituitary body						nematodes		18131
Hypopygium SEE Anus						packing		71541
Hyposoter		95279*				pest control		83483
Hypotermes	43341					propagation	100357	100403
Hypothalamus	51865 52008	72423				varieties	1828	1905
12910*						Ilex aquifolium	10757	89095
Hypothenemus hampei SEE Stephano-						101325		
deres hampei								

\*Text of this reference is not in English.

Item				Item			
Ilex cornuta	29017	90394		Income-- Cont			
Ilex crenata		38006		China	97768		
Ilex opaca	43072	59677	90476	conferences and congresses	98246		
Ilheus encephalitis		23731		Europe	16597		
Illicium religiosum		58253*		Finland	30101*	75227*	
Illicium verum		58253*		France		66439*	
Illini variable temperature diluent		91800*		Georgia		97565	
Illite	2159	39700	60142	Germany	7678*	7681*	45702*
	101694*		101773		56065*	56120*	
Ilacora		53405		Great Britain		16821	76017
Ilysanthes		56		Hungary	56176	56523	66436
Imidan		32799	52871		7683*	56179*	
Imidazole	69161	73879*	82270*	Illinois			108530
Imines		48175		India	26502	76262	108057
Imino acids		19425	78943	Indiana			27032
Immigration		16615	36017*	Iowa			56066
Immune milk SEE Protective milk				Italy			35494*
Immunization	71786	92054	94740	Japan	35500*	35501*	45520*
	3300*	41338*	51554*		108126*		
	81846*	81853*	81761*	Kansas			97624
SEE ALSO Antigens and antibodies;				Maine			45518
Serum; Vaccines; and UNDER names				Massachusetts			86673
of animals and diseases				Michigan			86666
Immunodiffusion test		22794		Minnesota			26504
Imparipes		94758		Missouri			86672
Impatiens	8713*	67830*	89149*	national	86669	97708	16748*
Impatiens balsamina	27481a	48568		China			8304
	68671	78342		USSR	76015	16748*	66440*
Impatiens holsti		89198*		Yugoslavia	56123	56124	86618
Impatiens parviflora	9807	78530		Nebraska			26447
Impatiens scabrida		99854*		New Jersey			16596
Impatiens sultani		99594		New Mexico			45519
Imperata cylindrica		91660		New York	7677	64861	97591
Impietratura				New Zealand			108127
oranges		18285*		North Carolina	7872	76296	92619
Implements SEE Tools; names of imple-				Northeastern States			97625
ments				Northern Ireland		35499	56118
Imported cabbage worm SEE Pieris				Norway			35496*
rapae				Oklahoma	7958	34134	45819
Imported fire ant SEE Solenopsis sae-					87039		
vissima richteri				Philippines		64719	108250
Imports SEE Trade; and SUBHEAD				Poland			56115
trade UNDER specific subjects				policies and programs			86909
Imposil		72962*		research methods			
Inazuma dorsalis		32790		statistical	35898	56121	97622
Incentives	26552	107196		Rumania			97626*
Australia		15717		Sicily			56237*
Bulgaria	54174	56161*	86763*	situation and outlook	35493		56117
Czechoslovakia		56189	66519*		56122	106553	
	92067*			South Carolina			26401
developing areas		74469		Southern States		66434	66437
Germany		50496*		statistics		56116	85059*
East Germany	7702*	25406*		supplementary		26865	66483
	45549*			76010	76357	76358	86978
Great Britain		45553		97925	108466	45577*	108482*
Hungary	97675	21042*	45591*	Alabama			87093
	56188*	91432*	108172*	Arkansas			97882
India		26535	108212	Germany			76620*
Netherlands			90585*	Iowa			45573
New Zealand			97659	Japan	86948	20019*	26839*
Poland	56230	66539*	86966*		26873*		
	86967*			Massachusetts			91497
Rumania		97677*		Missouri		66754	97806
Sudan		35952		New England States			108435
USSR	76072	76075	76099	New Hampshire			45768
	7727*	16648*	35522*	New York			45864
	45517*	45583*	54785*	North Carolina			45783
	86740*	86748*	102372*	Norway			87065
	108188*		108179*	Ohio	7838	35759	66831
Incisalia iroides		95500			86973		
Inclusion bodies		3811		Oregon			108409
cattle		31373*	72215*	Switzerland			45764*
dogs	13264	62523	92703	Texas			97914
poultry		22623	104333*	Sweden	7680*	26501*	26900*
swine	52634	72960	13835*		56119*		
Inclusion body rhinitis		4604	22946	Tennessee			66438
	22953*			Texas		6597	34134
Income	7677	7679	7682	USSR	76015	45517*	66435*
	7925	16539	26500		86664*	86668*	102435*
	34143	34949	35497	SEE ALSO Taxation, income; Wages;			108125*
	76019	76020	86667	and SUBHEAD costs and returns			
	87654	87730	97621	UNDER specific subjects			
	108056	108631	34068*	Increment borers	2742	21154	21167
Appalachian Mountains		26503			40995	71106	2748*
Australia		35495			12000*	30263*	71103*
Bulgaria		56157	86671		71116*	80985*	71109*
Canada	8250	26850	35435	Incubation SEE SUBHEAD hatching UN-			
	76018	86665		DER Poultry and kinds of poultry			

\*Text of this reference is not in English.



	Item			Item			Item	
Indoleacetic acid-- Cont			Industry-- Cont			Infrared rays-- Cont		
effects on plants	19256	38148	and agriculture--cont			effects on plants	47125	48428
38373 48583	18886*		USSR	66363*	75947*	69255*		
effects on rye		931	Venezuela		75963*	effects on poultry	74008	53934*
effects on <i>Scenedesmus obliquus</i>	27782*		Yugoslavia	56010	56505	93229* 95793*	95798*	
effects on sunflowers	9813	9966	rural	27120	45740	effects on Pteridophyta		28065
58764* 100296*			Africa		46171	effects on seeds		68908*
effects on tobacco		9662*	Asia		46172	effects on sheep		63112
effects on tomatoes		68716	France		8090	effects on swine		52660*
effects on trees		30382	Great Britain	7634	76660*	effects on tobacco		10071
effects on wheat		89196*	76636		56055	in bacterial research		81821
in beans	68769	68945*	Hungary		67154*	in corn processing		44895
in fungi		100661	India	17054	46199	in fats and oils analysis		65192*
in grapes		28307*	Iowa	67108	67148		65991*	
in peas	38601	100662	Israel		67146	in fiber analysis	25850	34556
10219* 68945*			Japan		34272*	75116 25234*	34599*	
in Pinus		89958	Louisiana		56868	in food processing	24531	65610*
in plants	9185	18095	Malaysia		8090	in fruit analysis		54989
19339 37972	38282		Norway		87518*	in fungicide research		24379
in ruminant physiology		103215*	Rumania		67139*	in grain drying	25625	53788
in <i>Stizolobium hassjoo</i>		28153	USSR		87505	in hay drying		74116
in vegetables		6897	South America		106635*	in insecticide analysis		24379
in wheat		37208	Southern States		46137	73062 73100	73105	83233
beta-Indoleacetic acid	78385	38371*	statistics		45405*	in lignin analysis		91764*
effects on <i>Castanea sativa</i>		68736*	SEE ALSO Human nutrition, in indus-			in meat processing		75635*
effects on <i>Nectria galligena</i>		38162*	try; and UNDER specific subjects			in milk analysis		44282
58687*			Infectious bovine rhinotracheitis SEE			in plant protection		17934*
effects on plants		78659*	Rhinotracheitis			in plant research	48408	88602
in olives		47428*	Infectious degeneration SEE Fanleaf,			10126* 54106*	89543*	
Indoleacetic acid oxidase	1386	1387	grapes			in potato analysis		54984
19319 77763	78902		Infectious diseases SEE names of diseas-			in rice processing	55352	107521
reviews		48558	es; and SUBHEAD infectious diseases,			in seed processing		45306*
Indoleacetonitrile		1379	and classes of infectious diseases UN-			in soil analysis	60133	90881*
Indolebutyric acid	58554	69013	DER Livestock and names of animals			in vegetable analysis		54989
89762 37951*			Infectious icterohemoglobinuria SEE			Infurcitinea albanica		84171*
Indolylacetic acid SEE Indoleacetic acid			Red water disease			Infurcitinea nuristanica		84170*
Indolylacetonitrile SEE Indoleacetonitrile			Infectious keratitis	41695	51934	Infusions SEE Injections		
Indolylacetaldehyde SEE Indoleacetalde-			82803			Infusoria		41369*
hyde			Infectious necrotic hepatitis SEE Black			Infusorial earth	33946	33949
3-Indolylbutyric acid SEE Indolebutyric			disease, sheep				91870	64980*
acid			Infectious porcine encephalomyelitis			Inga		27187a*
Indophenol	19340	48115	SEE Encephalomyelitis, swine			Ingaderia pulcherrima		28332*
Indotermes		64267	Infectious pustular vulvovaginitis SEE			Ingoldia		88522
Indotermes thailandis		64267	Coital exanthema			Inguinal canal		30868
Industrial fumes SEE Air pollution			Infectious swine paralysis SEE Enceph-			Inguinal hernia	3814	52041
Industrial wastes			alomyelitis, swine			INH SEE Isoniazid		
effects on plants		57811*	Infectious synovitis	31951	104367	Inheritance	36121	46139* 46221*
feed	104248	32353*				SEE ALSO Wills; and UNDER Farms		
fertilizers	60492	11481*	Colombia		42041*	and farming; Land		55386 107551
70545*		60788*	control	4208	82619	Inhibine		97024*
Great Britain		49916	transmission		23173	Inhibins		3183*
in greenhouse heating	5942*	54015*	Infectious variegation			Injections	3275	61696
Industrialization			citrus	27289a	99576		30978*	51474* 91918*
Europe		8085*	Infiltrometers		18368*	cats	13233	13243 41757
Poland		7636*	Inflammation		60094		92716*	
Rumania		67139*	Influenza		82366*	cattle	13397	31450 62211
Southern States	60304	60307	ducks		62895		92384	103574 103830 12962*
Taiwan		76064	horses	3968	3993		22196*	31315* 72289* 92438*
Industry		45446	104104	41845*		dogs	3798	13233 13243
and agriculture	7581	7594	diagnosis		92881*		104017	92716*
26418 36105	36588	45441	France		82441*	horses		13397 31697
46039 66323	66346	66365	vaccines		104104	insects		14139* 94330*
66388 76019	108043	56016*	virus	62895	41834*	mice		72535
66594* 75963*			SEE ALSO Laryngotracheitis; Rhino-		103339*	Oncopeltus fasciatus		73709
Arkansas		7586	pneumonitis; Swine influenza			Piesma quadratum		73222*
Canada		66364	Information SEE Advertising; Extension			sheep	52445	82776 104638
China	56032	56050	work; Public relations			Zygaena carnicola		105949
Czechoslovakia	56202	66341*	Information sources	24420	45870			46734
France		16529*	46348 56846	84858	86606*	Ink		
Georgia		97565	98120*			Innisca SEE Bireta (Innisca)		
Germany	7681*	7719*	Germany	56814*	108740*	Inocybe		208
45543* 66378*	75959*	97535*	Hungary		46120*	Inonotus	88546	99114 99115
98027* 108047*			Illinois		87511		57708*	
Great Britain	7634	56055	Mexico		56860*	Inonotus andersonii		46975*
India		35439	Texas		75923	Inonotus obliquus	9955*	28382*
Israel		56025	Infrared rays				37202*	
Italy	45436	97534*	effects on <i>Begonia evansiana</i>		963	Inositol		
Japan	8070	7885*	effects on <i>Bombyx mori</i>		73459*	effects on grapes		9654
Louisiana		16556	effects on <i>Chenopodium amaranticolor</i>		78572	effects on white clover		78867
Mississippi		16547	effects on <i>Chenopodium rubrum</i>		27980	effects on yeasts		100145
Mongolia		75948	effects on insects		23375	in plants		1373
Netherlands		56678*	effects on <i>Lemna minor</i>		27856	in plums		77748
New Zealand	108007	75938*	effects on <i>Melanophila acuminata</i>		63923	in strawberries		79006
Poland	7636*	53632*	effects on <i>Onclea sensibilis</i>		48277	D-Inositol		59068*
Rumania		7605				L-Inositol		59056*
Taiwan		97566				Inositol hexaphosphate		20416
						Inositol hexasulfate		7025
						Inositol phosphates		70274

\*Text of this reference is not in English.

	Item			Item			Item	
Input-output analysis	7850	7906	Insecticides-- Cont			Insecticides-- Cont		
7913	8013	16835	application	23162	42402	compatibility	23162	37411
20635	20889	26761	52703	52737	63400	conferences and congresses		23049*
26789	26801	26841	63495	73038	73164		73057	23037
26923	26342	66753	83425	83494	93956	contact SEE Contact insecticides		
75044	75972	76202	105039	105300	14042*	containers	23086	73108
76246	76259	76264	42634*	52711*	52914*	corn pest control		104996
76328	82034	85188	77634*	88761*	93941*	4809	4812	14083
87123	93150	97708	105132*		105044*	52888	63540	83380
108317	108451	7382*	conferences and congresses		98452	105240	105242	4827*
16774*	26782*	26860*	application equipment	4677	14272	52830*	52857*	94279*
56406*	56437*	66810*	23082	42412	42433	105183*	105218*	94335*
86985*	86994*	108035*	63433	63705	64535	Corylus avellana pest control		94359*
Alabama		16804	93967	94061	105007	costs and returns	17260	23193
Argentina		97886*	105039	15228*	32612*	105303*		
Arizona		45871	42581*	83195*	83275*	cotton pest control	4807	14099
Australia	56479	56570	105033*	105051*		14108	14120	14132
67045			apricot pest control		83403*	23195	23221	32745
California		108398	Areca catechu pest control		63642	32756	32757	32801
developing areas		6245	arthropod resistance	42378	83163	42411	42428	42647
Georgia	66968	87033	asparagus pest control	26995*	32777*	52866	63397	63526
Germany		87061*	avocado pest control		4873	63550	63566	63584
Hungary	108316	97816*	bamboo pest control		53017	73173	73182	73189
India		7790	barley pest control		23210*	73216	94300	94345
Iowa	108432		bean pest control	23260	32806	105082	105148	105189
Japan	35766*			14096*		4804*	14137*	32768*
Kentucky	87103		berry pest control	73274	4856*	73180*	73218*	83309*
Mississippi	26815	26846		47160*		94271*	94339*	105160*
Netherlands		86959*	beet pest control	83313*	83342*	105171*	105213*	
New England States	107789			94314*		cowpea pest control		23269
New York	97900		bird pest control		73127*	cranberry pest control		68047
New Zealand	108007		Brassica pest control		73224	Cruciferae pest control		83293
North Carolina	76366		broccoli pest control	23218	83293	32779*	42637*	52835*
Norway	56407*		cabbage pest control	4789	23251	105207*		94303*
Oklahoma	66904	87067	32806	42382	42623	cucumber pest control	73225	105180
Oregon	108397		73192	73224	83293	63589*	83493*	94319*
Philippines	76229	76230	52882*	73186*	73188*	Cucurbitaceae pest control		73225
South Carolina		26753	83303*	83313*		currant pest control	73274	83406
Sweden	108417*		cacao pest control	14190	14203	32814*	73251*	83435*
Taiwan	7836		73268	105270	105271	94389*	94390*	105310*
Texas	56485	76434	105302	105316	52932*	Cyclamen pest control		32870*
USSR	56432*	76327*	105301*	104972**		date pest control		63623
102447*			Cactaceae pest control		4879*	Denmark		284*
USSR bloc		97928*	Camellia pest control		73282	deposits	14053	52695
Virginia		87003	cantaloupe pest control	73225	105185	63661	63705	93936
Washington	108399		carrot pest control	13983	32772*	determination	6023	23054
SEE ALSO Linear programming			63569*	94316*		52759		
Insectaries	33508*	94666*	Carya illinoensis pest control	83449		Dichondra pest control		105330
Insecticidal fogs, mists, smokes SEE			99180	99225		105331		
SUBHEADS field crop pest control, fly			castorbean pest control		14146	directories		8369
control, etc. UNDER Aerosols			cat pest control		73143	dog pest control		73143
Insecticides	49493	50425	cattle pest control	4765	4773	dosage		4678*
adjuvants	32886	63390	13995	14012	14053	effects on alfalfa		42649
105068*			14177	14187	23118	effects on Alphetobius laevigatus		
advertising		73099	32677	32688	42479	4649		23058
African oilpalm pest control		94402*	42534	42535	52773	effects on animals		105028
alfalfa pest control	32800	42563	52811	52818	63443	effects on Anopheles stephensi		4713
42565	42600	52829	63449	63499	63508	effects on aphid populations		63549
73238	73241	42617*	73132	73133	83221	effects on apples	14204	47989*
83356*	94275*	94329*	94072	94158	105101	effects on bacteria		23109
Alnus pest control		53037*	105111	105130	63493*	effects on beneficial insects		105264
Amomum subulatum pest control			94247*		63494*	effects on Boophilus annulatus		83246
	14165		cauliflower pest control		4796	effects on Brevipalpus australis		
analysis and composition	42392		23251	83293		14161		
73042	73100	83178	chemistry	4634	23069	effects on Carpocapsa pomonella		
94035	98430	104969	23137	42431	52736	32813		94372*
54119*	105017*		73083	83186	4631*	effects on Choristoneura fumiferana		23400
ant control		32577*	32620*	57775*	77689*	effects on citrus		32648*
antidotes		83121*	83188*	94016*	104966*	effects on Conotrachelus nenuphar		
aphid control	13935	14166	cherry pest control	4834	23319	23056		
42596	63605	83294	63648*	63655*	83479*	effects on corn		79832*
63426*	105263*		China	46513	73056*	effects on cotton	48352	104971
apple pest control	4834	4840	105060*			105148		
4841	4852	4863	Christmas tree pest control		4916	effects on Culex pipiens quinquefas-		
14189	23336	32813	Chrysanthemum pest control		63589*	catus		23137
42666	42675	42681		99321*		effects on Dermanyssus gallinae		105125*
42693	42699	42701	citrus pest control	4839	4874	effects on Diaretiaella rapae		23250
52915	52958	52972	23279	23281	23340	effects on enzymes	23137	4679*
63616	63618	63639	42660	42706	52939	effects on fruit	4849	32649*
63664	77765	83416	94363	32853*	42710*	effects on Hippodamia		23250
83421	83431	83440	83433*	94413*	105315*	effects on insect populations		4642
94385	94399	105297	clover pest control	32744	32886	4868	4874	63556
23291*	23316*	23332*	73178			83174		42489*
32811*	32822*	32841*	cockroach control	14243	32886	effects on insects		32597
32858*	42676*	42677*	83510	105343		effects on man		13930
52914*	52927*	52929*	coconut pest control	63624	105255	effects on microorganisms		
63645*	63647*	63659*	coffee pest control	4872	32863			
83430*	83450*	94360*	4870*	42680*	105257*			
94392*	105299*	105322*						

\*Text of this reference is not in English.



Item			Item			Item		
Insecticides-- Cont			Insecticides-- Cont			Insecticides-- Cont		
effects on mite populations	4864		garlic pest control	52840*		in water	4737	52730 52759
52958 63549 83408*	83468*		Gladiolus pest control	73283*		73113		
effects on Musca domestica	23137		goat pest control	14040 105135		bibliographies		74452
105077 83255* 105103*			grain pest control	23224 63388		industry	32596	94018 52756*
effects on Oligonychus coffeae	14161		73291 52842*	52843*		insect resistance	4643	4652
effects on olives	18014*		57976* 73175*	83357*		4655 4663	4670	13920
effects on pears	47989*		granadilla pest control	14216		13921 13924	13929	13935
effects on peaches	4871		granulated SEE Granulated insecti-			13954 13955	13960	13978
effects on Pectinophora gossypiella			cides			14185 23039	23056	23085
	63584		grape pest control	42663 63657		32587 32604	32647	32826
effects on plankton	52693 93999		73275 23326*	32817*		42363 42378	42379	42380
effects on plant disease	94276		32850* 83185*	83398*		42382 42419	42423	42427
effects on plants	13930 48351		83428* 83453*	94396*		42432 42454	42500	52692
105028 105065 93941*	94016*		105252*			52706 63373	63382	63387
effects on pollen	105370		grass pest control	23183 73185		63393 63397	63412	73052
effects on Popillia japonica	23101		73202 73245			73069 73097	73166	83140
effects on Protozoa	23109		grasshopper and locust control	4650		83163 83504	83510	93959
effects on quail	105015		4654 4658	4822		93963 93993	94019	94023
effects on rats	104971		14151 32739	32759		94182 94253	104963	105000
effects on Rhizobium	80092*		52898 73063	83168		105038 105067	105241	105316
effects on Rodolia cardinalis	104976*		83301*			4656* 4673*	14025*	42397*
effects on Schistocerca gregaria			Great Britain	70088 88692		42429* 52734*	63416*	105026*
	13972		greenhouse pest control	42722		105080*		
effects on Schizophyllum sabulosum			63374 32607*	42724*		conferences and congresses		13974
	83223*		hazards and safeguards	4859		Ixora pest control		83487
effects on sugarcane	52869		23098 23100	32594		Juglans regia pest control		73263
effects on tomatoes	63578		42402 42440	49496		83434		
effects on Triatoma infestans	73147		52699 52707	52716		Juniperus pest control		23386
effects on wool	14002		63402 63502	73054		Juniperus virginiana pest control		
eggplant pest control	14116 32807		73106 83144	83152				42788
63574 42599* 73187*			93970 94214	94255		jute pest control		32802
electrically charged	58040		104987 104993	105042		labeling	52744	73037 83154
emulsions	63372 105029		23115* 47240*	52720*		Larix pest control		83565* 105395*
fertilizer mixture	42634* 63535*		83124* 83126*	83572*		lawn pest control		4880 42725
93941* 94016*	94298*		105012* 105044*	105055*		73281 73288	83492	
field crop pest control	14111 14115		herbarium pest control	94021		legislation	105049	8908* 83191*
32739 32786 63388	83145		herbicide mixture	63532		lettuce pest control		42571*
105154 284*	4815*		history	32858*		Lilium pest control		52987
68203* 77582*	94347*		hop pest control	73242 77851*		livestock pest control	13700	13984
105207* 105226*	105232*		horse pest control	94036		23141 32676	63438	73149
fig pest control	32810*		household pest control	14241		73159 83145	94060	94168
flax pest control	83334* 105159*		14247 32584	32885		105110 105142	14042*	14049*
105349*			42744 42755	53003		83271* 94185*		
flea control	32885 73169		73289 73298	83500		log pest control		53048* 105354*
fly control	4652 13995		94444 42733*	83223*		mandarin orange pest control		52953*
14078 14079 14250	23140		house plant pest control	4878		manufacture	32585	32595* 83188*
42479 42493 42500	52736		human pest control	4698 14013		Mentha pest control	73243	94332
83221 83241 83520	94254		14019 14027	14079		Minnesota		73093
14057* 32764*	52771*		23170 32694	32729		mite control	14162	14188 14206
73134* 73135*	83255*		42378 42419	42427		23195 32807	32868	42693
94118*	83275*		42503 42560	52804		42722 52726	52736	52783
food pest control	94422* 94423*		94176 14057*	32704*		52800 52866	52939	52958
94440*			94189*			63566 63616	63628	63669
forage plant pest control	63388		reviews	83243*		73053 73130	73259	73280
	83324*		Hungary	42430*		83420 83431	83440	83445
forest pest control	14285 23400		Ilex pest control	23397 83483		83472 94066	94353	104995
23414 32816 42767	53013		in alfalfa	42610 42649		105054 105180	4869*	23063*
53022 53029 53044	55446		in blueberries	107303		32664* 32823*	32845*	32850*
63715 83541 93980	94458		in butter	85412*		32907* 52742*	52794*	52935*
94478 94489 4912*	14258*		in cocoa	106841		73187* 83132*	83185*	83426*
14282* 42772*	83531*		in feed	96106*		83435* 94003*	94467*	105160*
83572* 105374*	105377*		reviews	42364		105312*		
formulations	42488 63552		in food	15386 24379		tests		42449* 93935*
73042 73082 73143	83304		74436 84787	96177		mite resistance	42385	52719
93950 94101 94421	42676*		106645 44056*	74451*		52758 83163	93956	23071*
52761* 63405*	94467*		96176* 106664*			42397* 42416*	104978*	
104983* 104997*	105068*		bibliographies	74452		reviews		52715
France	17935*		reviews	42364		Morus pest control		52935*
fruit pest control	4835 4851		in forage plants	42610 105113*		mosquito control	4713	4750
4859 14185 23283	23342		in fruit	55070 55097		13917 23149	32682	42503
32816 42604 42652	42672		6819* 6832*	44704*		42518 52821	73124	73141
42673 42674 42688	42690		63608*			73144 73166	83234	83520
42695 47109 52924	52941		in game meat	55446		94051 94059	94063	94077
52946 52955 52961	52969		in grasses	42610		94120 94149	94218	94253
73254 73256 73259	77574		in meat	105004 107650		94255 105131	13998*	14025*
83394 83415 83472	94357		in Mentha piperita	35206		83250*		
94397 94399 105288	105296		in milk	6458 85401		105004		
4844* 4858*	4869*		65065* 105096*			museum pest control		94021
14191* 18021*	23300*		in olive oil	86260*		muskmelon pest control		23272
27052* 32823*	32830*		in peppermint oil	35206		names		73044
32857* 32862*	42416*		in plants	83203 88140		nut pest control		73263
42707* 52925*	57925*		in radishes	32772*		oil SEE Oil insecticides		
83473* 88843*	94356*		in soils	73115		oil plant pest control	23267*	42569*
94390* 94391*	94393*		73144 83203			olive pest control	4845*	4860*
105282* 105286*	105325*		in tobacco	107956		23323* 23334*	27030*	52962*
fungicide mixture	47154		in vegetables	55070 55097		63656* 83335*	86260*	94376*
52841 57864 23081*	27107a*		65529 96804	6832*		94413* 105262*	105318*	
32620* 77675*	83206*		54982* 63608*			onion pest control	13960	42423

\*Text of this reference is not in English.

	Item		Item		Item
Insecticides-- Cont		Insecticides-- Cont		Insecticides-- Cont	
orange pest control	63622	Republic of South Africa	63377	Thuja occidentalis pest control	53029
ornamental plant pest control	14213	research methods		tick control	63443 63516 83238
14218 14221 32584 32874		statistical	1520 23398	105050 13979*	63465*
42674 52976 73280 94465		residual effectiveness	4713 4849	tick resistance	83163 105050
105332 42570* 42594* 52982*		14076 23339 32813 63559		tobacco pest control	4817 14100
52985* 52990* 83481* 94321*		63563 63661 63688 73141		14111 14141 23261 32740	
Palmae pest control	14188	83211 83346 83421 93943		42584 42626 63563 83326	
particle size	63705 93936	94077 94173 14179*		83327 88631 105167 83481*	
pasture and meadow pest control		residues	6023 6377 52856	tolerances	
23188 32744 32767 42591		54242 93994 63424*	80111*	tomato pest control	23226 23252
73208 105174 105191 105230		determination	23029 63371	23272 32789 32807 42590	
94297*		13943* 63608*		57938 83369 42570*	
pea pest control	32752 94315*	reviews	42364 81839*	toxicity	23059 52699
peach pest control	4834 4862	rice pest control	14101 23182	52733* 52751*	
32849 57770 83392 83422		23215 23246 63532 63559		animals	83174 23115* 74451*
83445 23296* 23308* 23337*		63594 83294 101463 105173		105055*	
52912* 53913* 94366* 94373*		105182 4786* 23208*	23209*	aquatic life	23087 32606
peanut pest control	73183 32795*	63534*		52693 63407 93999	
pear pest control	4834 4840	Rosa pest control	63374 73286	asses	
4842 4865 14195 23282		42723*		bees	5011 23446 73240
23309 73261 23278* 23315*		rutabaga pest control	42622	83623 94530 4962*	4976*
32811 32840* 32842* 52927*		rye pest control	42572 23206*	32927* 83630*	83665*
63646* 63647* 73260* 73278*		safflower pest control	42575	beneficial insects	4642 23250
83393* 94398*		Salix pest control	53047*	63556 83123 93937*	
Pennsylvania	13959	seed pest control	14137* 94348*	bibliographies	94031
physiological action	4769 23090	selective	32794 68212 73189	birds	42389 42417 42421
23273 32587 32886 42406		83174 105052 105421 52950*		52693	
42431 52683 73146 83179		83137*		Bombyx mori	63799*
105065 23049* 42677* 105341*		shade tree pest control	266	conferences and congresses	
Picea pest control	105327* 105393*	sheep pest control	14039 14040		93954*
Pinus banksiana pest control	42746	14046 42433 52800 83263		earthworms	93937*
Pinus pest control	32919 42792	105133 63465*		fish	52693 63381 93999
14268* 23385* 32904* 42774*		shrub pest control	73280	94223 63381 93980 105019	
73321* 105327* 105363*		situation and outlook	23041 23073	horses	105113*
plant pest control	13984 23048	52714 52757 73051 104998		insect parasites	13914
23088 23108 32623 52692		soil pest control	42398 73079	laboratory animals	32575*
63430 63438 94276 4633*		83192 83304 23034* 105053*		livestock	63469 32575* 32716*
13976* 17935* 23061* 23107*		sorghum pest control	42596 63577	105096*	
32609* 32704* 42436* 42455*		soybean pest control	23242 42588	man	52716 105031
52732* 52748* 63392* 77544*		73190		23115* 32575* 74451*	83121*
83183* 83189* 93947* 93974*		spider control	32694	83191* 105055*	
94413* 105023* 105030* 106377*		squash pest control	73225	bibliographies	105079
plant sources	32582 32627	stability	63372 94003*	rats	42465 104995
49556 49557 63531 93968		storage pest control	14226 14227	reviews	83173
23072* 42773* 49546* 73236*		14235 14244 14245 14250		wildlife	4644 23040 93980
101619*		14251 32888 42739 42741		94175 94223 98444 14282*	
plum pest control	14193* 42713*	63373 63388 63398 63677		23055*	
83478*		63681 73291 83498 83506		tree pest control	4911 4921
policies and programs	105042	83525 83526 14238*	23370*	14286 32918 42750 83578	
Populus pest control	23380* 73331*	94423* 94441*		83579 94465 94471 53047*	
94453* 105375*		strawberry pest control	14166	94473* 94492* 105353*	
potato pest control	14097 14136	14206 32834 73276	88791*	turf pest control	32868 42616
23201 23272 52895 63597		study and teaching	83139	83486 83494	
73204 83336 23235* 23240*		sugar beet pest control	52841	Ulmus pest control	14271 42790
32778* 42566* 73201* 83290*		73205 4814* 14134* 23184*		63697 83576 23399*	
83377* 94274* 94351* 105152*		52832* 52847* 83311* 83340*		vegetable pest control	4788 23270
poultry pest control	14026 14041	83350* 83381* 83383* 94272*		32584 42586 42604 42612	
42460 52783 14011* 14055*		94290* 94318* 105179* 105245*		52886 63536 63598 73209	
52794* 94209* 105100* 105125*		sugarcane pest control	42567	73213 73244 77575 83285	
105132*		52839 52853 52855 52869		83286 83379 94292 23231*	
properties	23027 23069 23090	52872 52877 63552 73226		32798* 42594* 63528*	63571*
73144 105341*		83346 83347 105164 4801*		73220* 63239* 105190*	105207*
public health aspects	4892 13921	14094* 83317* 83385*	105237*	105209*	
42390 42425 42552 42560		sweetcorn pest control	23205	Viola pest control	4875
63433 83152 94255 32633*		42625 83304	63582	wheat pest control	52905 4829*
105005*		sweetpotato pest control	63582	23210* 42572* 63564*	73214*
quince pest control	23290*	swine pest control	73130 63493*	94317*	
range pest control	55446	83276*		white clover pest control	73246
rape pest control	52881* 63572*	synergism	52718 23049* 32702*	winter rape pest control	63572*
raspberry pest control	14176	104964* 105059*		wood pest control	14265 14266
23313* 23343* 27204* 42709*		systemic, SEE Systemic insecticides		14267 23395 23401 14287*	
94411*		tea pest control	14160 14162	23390* 23391* 51122*	53024*
red clover pest control	73246	14163 14174 14175		53046*	
redpepper pest control	23212 32794	termite control	23406 42745	SEE ALSO Aerosols; Baits and traps;	
52844		42755 53012 105385 32890*		Dusts and dusting; Fumigants and	
regulation and inspection	8963	42773*		fumigation; Larvicides; Ovicides;	
52744		tests	4639 4663 4670	Repellents; Sprays and spraying;	
California	104973	4863 32591 32740 32747		groups of and names of insecticides;	
Canada	104987 105014	42438 52726 73053 73256		and SUBHEADS contamination; in-	
Denmark	18098*	83180 83192 83198 83211		secticidal UNDER specific subjects	
Great Britain	68024	83238 83246 83387 93958		Insectivorous plants SEE Carnivorous	
international	105056*	93966 94952 104987 105013		plants	
North Carolina	83178	105154 32614* 42455*	52761*	Insects	
reviews	77537	52840* 63414* 83342*	99363*	adaptation	73689 105342 73120*
reptile pest control	94066	104991* 105030* 105076*	105273*	83727* 83730*	

\*Text of this reference is not in English.



Item				Item				Item			
Insects-- Cont				Insects-- Cont				Insects-- Cont			
Afghanistan		94979*	95102*	as parasites-- Cont				bites		68545*	
Africa	5054	73491**	105331**	Southern Rhodesia		14164		blood-sucking	SEE	Blood-sucking	
age			14947	Taiwan		42579*		insects			
allergenic	4707	4731	52816	USSR	4855*	53379*		breeding places		5036	14401
	105122			Wisconsin		84072		94660	5053*	14824*	83232*
Alps			73497*	as pests	4662	4883	4887	California	26826a	42400	42401
anatomy and physiology			5031	13945	13946	13983	14236	Ceylon			42885
13939	14360	14365	14396	23341	23358	23367	63841	Chad			5035
23516	23522	33020	33021	73048	81188	83139	103290	Chile			32631*
33225	33357	42848	42858	23262*	23352*	23357*	23368*	cold-hardiness		33023	53162
42884	42902	53130	53133	Arkansas			93942	collecting	14410	43264	14357*
62659	63809	63820	63831	Austria			93940*	14389*	53159*		
73034	73471	73795	83179	Australia			14220	Africa		73491**	105531**
83728	83739	89366	94656	Brazil			23276*	Bulgaria			83741*
105065	105517	105534	105542	Canada	23312	63418	93981	Canada			14410
5051*	14381*	14382*	14392*	105342				Florida			94637
19079*	42865*	53128*	53139*	Chile			9036*	Germany			105506*
53149*	73117*	73479*	73494*	China	105175*	105287*		Great Britain	5032	5038	
83727*	100227*	105411*	105503*	Colombia			63533*	14345	14359	14376	
105515*				Czechoslovakia	23053*	63724*		Mexico		94636	105512
conferences and congresses			94626	developing areas		105071		Netherlands			33009*
encyclopedias			63836	Finland	105204	23394*	105238*	New Guinea			33028*
reviews	23076	42874	42883	Florida			4873	Somali Republic			14909*
53131	53146	53154	53155	Germany			99152*	collecting equipment	14578		23163
62653	63807	83733	94649	Great Britain			63689	42864	42897	43264	63830
and disease	4681	14071	14072	Greece			23091	83745	94636	94638	95167
32669	42427	42454	42484	Hawaii			105328	14357*	53159*		
42557	52782	73131	94248	India	4836	14152	14165	collections			94659
105101	23133*	32704*	32713*	Indiana	14175	23215	63529	Canada			94640
52809*	52820*	83151*	105112*	Italy			93997	Germany			63842*
Africa			42473	105205*			23079*	Hungary			14385*
Algeria	4724*	105105*		Japan	13956	248*	47069*	marketing			43254
bibliographies	73150	73151		Lebanon			83467*	pest control	94021		23065*
Brazil		83213*		Michigan			32896	South America			94627
California		42527		Morocco			23243*	color	5050	33011	42861
conferences and congresses	8116	42556		Mozambique			14164	53466	73499	14393*	73479*
Germany				Netherlands			23383*	communication		43198	23517*
East Germany			94082*	Nigeria			63680	conferences and congresses			14347
Great Britain			83225	North Carolina	4788	14132		14395			
India	63507	105091		83560*				control	4877	4878	4884
Mississippi		105130		Pakistan			23179	4888	13945	13964	13966
Philippines		4755		Peru	63581	14105*		14083	14231	14249	14285
reviews	4780	14075	42476	Poland		23211*		23050	23088	23252	23339
42501	73122			Sicily		83148*		23340	23359	42372	42405
USSR			94231*	Somali Republic		105258*		42454	42492	42736	52692
Venezuela			4776*	Southern Rhodesia		14164		53004	54242	73213	83147
and plant disease	23077	23102		Spain		63603*		83179	83220	94020	94025
32851	42607	52682	52823	USSR	42388	4660*	4821*	94026	94175	14042*	23089*
63650	63660	23189*	32704*	4907*	14054*			23107*	23262*	23324*	23370*
52922*	94299*			Utah			105177	42370*	42489*		
Africa			68080	Yugoslavia			14275*	Arkansas			63447
Florida			14201	as pollinators			13942	Australia	14100	14141	52757
Japan			23248*	13967	14316	38074	42396	104982			
reviews			23076	42644	83150	83204	104990	biological	4647	4668	4851
Arctic Region			42873*	42409*	73447*	90328*		4874	13984	23057	32585
as feed	5059	5060	23518	as predators	5133	14164	14399	32591	32602	32603	32644
32996	42899	42900	63835	23303	42692	53475	63823	42373	42392	42451	42470
63826	63835	73490	73496	64250	105535*			42546	42557	47180	52709
73499	82869	94665	105511	Africa			42404	63380	63421	63431	68040
105527	5033*	14353*	23022*	Canada	63630	94029	95272	73075	73131	73231	77541
32989*	63819*	63829*	82571*	Ceylon			32821	83135	83302	105018	4656*
83199*	83744*	94000*		India			33281	14197*	20266*	23410*	32574*
as food			93975	introduction			63431	32600*	32613*	52732*	52735*
as parasites	4668	5049	5468	Iowa			42608	63392*	73090*	73103*	73120*
23506	33021	33306	42461	Pakistan	33244	33261	94741	83142*	83190*	83194*	93939*
42791	73747	95177	14824*	United Arab Republic			63441	93947*	93957*	94010*	94013*
14907*	53453*	53461*	94481*	Wisconsin			84072	94474*	105023*	105112*	
94658*				Australia			42451	bibliographies		4646	73091*
Africa			42404	Austria	14398*	23851*--	23853*	Canada		4910	94029
Alabama			32901	42976*	105519*			conferences and congresses			
Arkansas	23916	53509		bacteria	14245	54988	73500	93978	42422*	94001*	
Canada	23803	64220	94029	105538	23133*			Connecticut			93955
Colorado			4866	beneficial SEE Beneficial insects				Germany			52754*
conferences and congresses	14407*			bibliographies	14371*	46698*		Hawaii			4640
Czechoslovakia	4924*			biochemistry	5040	13939		India	13982		73223
Europe	95559			14343	23511	23520	33205	Israel			105364*
Japan	95504			42847	53523	63827	104963	Italy	42448*		104981*
Mexico	94409*			23528*	83737*			Mexico	93951*		93973*
Mozambique	14164			conferences and congresses		67425		situation and outlook			42377
Near East	63978			reviews		53140		83146*			
North Carolina	73828			biology	42349	53153	53162	Spain			32579*
Pakistan	32873	33244	33261	73231	73689	94653	94660	tests	83518*	104991*	
Republic of South Africa	23738			100510				Tropics			52746
42651				conferences and congresses		14406*		USSR	23022*		52689*
								Yugoslavia			63428*
								California	42527		94176

\*Text of this reference is not in English.

	Item				Item				Item		
Insects-- Cont				Insects-- Cont				Insects-- Cont			
control--cont				control--cont				ecology--cont			
Canada			23376	seasonal	63585	105200*	105229*	Tropics			42854
chemical	4851	23099	23110	105257*	105282*	105289*		USSR	23498*	23533*	73058*
23125	42406	42427	42500	situation and outlook			4673	eggs	4888	13906	42902
42586	52694	63439	63679	23084	42655	73098*		73495	23785*		
73066	83127	83179	93999	Southern States			83315	anatomy and physiology			94811
94032	94251	23038*	23185*	Spain			52721*	hatching		5252	14957
23236*	42617*	52732*	52930*	tests	4635	4639	4649	Ellesmere Island			14387
63424*	83130*	93947*	93987*	23031	23195	73053	93966	embryos	5180	14363	14370
105023*	105062*			105013	105168	105212	42362*	23649	62659		
China		104977*		Texas			14110	enzymes	5045	14343	58976
Germany		99170*		Turkey			13977*	73876	83726	13932*	33450*
Italy		63385*		USSR	4659*	13965*	14090*	eradication			
Mexico		105171*		83142*	83194*	94033*	105349*	conferences and congresses			23025
New York		23241		Virginia			23201	Ethiopian Region			42857
reviews		42435		control equipment		105345	14248*	evolution	5031	32086	42901
situation and outlook		83183*		Germany			99239*	53128	73474	94623	94642
94018*				East Germany			105244*	105525	105528	14351*	42863*
tests	42712	32612*		Italy			105064*	53141*	105520*		
Virginia		23242		Japan			32641*	extracts		23754	95027
Wisconsin		83145		Sardinia			105407*	fecundity			73480*
China	93947*	105187*		USSR		63564*	99191*	feeding habits		32987	53138
Colombia		63425*		cytology	5045	23508	42847	94645	105507	94624*	
Colorado	23331	63388	63536	42848	42861	53127	53136	conferences and congresses			67425
conferences and congresses		23025		53520	63814	73470	83728	Fernando de Noronha			42849*
42556	105061	105165	105166	94628	94648	94671	27636a*	fertility			14626
94011*				83725*				flight	14365	14705	63837
costs	23193	59971	83315	conferences and congresses				63839	73036	73474	94643
105303*				reviews		37621	78154	105513	105528	105717	105523*
cultural	14126	63437	73231	Czechoslovakia		53155	105540	Florida			42866
94322	105195	94307*		desert areas			23121*	food and host plants	23091		32590
Australia			23233	Desventuradas Islands		94632	83730*	94624*			
Mexico			94242*	development	23524	42901	73495	Africa			73302*
Republic of South Africa			52684	94628	5303*	14619*	14963*	Brazil			73111*
Utah			14176	14370*	73480*			Italy			4633*
Denmark	4889*	14258*		diapause	14878	23764	42732	Japan			42867
Germany		23405*		73791	73793	73795	94026	fossil SEE Paleoentomology			
Great Britain		105337		73484*	83737*			France			63810*
history		23384*		digestion			83169	freezing			94662
Hungary	14128*	63554*		diseases	32585	32990	32995	fungi	13915	73500	64044*
India	14165	23253		32997	33000	33007	33012	95154*	105652*		
integrated	4851	13984		33013---	33016	33019	33025	Galapagos Islands			83735
23305	32602	32644	42503	33027	33030---	33032	33306	genetics	4668	5048	13955
52711	77541	105006	42436*	42406	52895	53153	64180	14366	23532	42419	42470
52732*	63392*	105386*		105530	105536	32574*	93939*	42859	53147	63382	73131
bibliographies		4646		bibliographies			73091*	73645	78257	78271	83750
Canada		63630		conferences and congresses				94647	94667	94671	105541
India		63624		diagnosis		4672	42422	8377*	14370*	83725*	83751*
France		83137*		reviews		33024	83723	105508*	105521*		
Great Britain		83214		dissemination	5039	23076	42874	conferences and congresses			
Netherlands		23048		14369	14375	5128	14239	42893		89266	98426
Switzerland		42719*		104992*	105243*	23052*	42873*	research methods			
Iran		14013		by aircraft		4662	88558*	statistical			
Italy	4633*	14197*	23079*	conferences and congresses			14404	83921	54125	18697	105540
23349*	23350*	23354*	72098*	Easter Island			83735	reviews			14410
73117*				ecology	5036	5049	5298	geographic distribution			
Japan	23061*	23062*	23208*	42372	42503	42527	42866	32986	42439	42854	14378*
23209*	23210*	23300*		53148	53153	63380	63828	14397*	23498*	42873*	42976*
Libya			105262*	83147	83486	94653	105500	Canada			14410
Missouri			14150	105533	5053*	14355*	14389*	China			94631*
Mozambique			105058*	23357*	43110*	94480*	94663*	Michigan			52883
natural	4874	32742	42692	Africa			42473	Nigeria			63680
52684	63556	73089	42710*	Alps		73497*	105632*	Sicily			53200*
83199*				Austria		14398*	42976*	USSR		42388	14054*
New Jersey			14213	Belgium			47658*	germ-free			105721
New Zealand			42410	bibliographies		37593	98456	Germany	26766*	42871*	94450*
Nigeria			14238*	China			105502*	Great Britain			5055
Norway			23343*	conferences and congresses			73501	growth	14627	53126	94668
Oregon		4916		Czechoslovakia			23053*	habits and behavior		4834	5031
Pakistan		23369		desert areas			68362	5054	13909	14403	32987
Pennsylvania		13959		reviews			42881	42853	42858	42859	42875
Peru		52748*		Europe			99754*	42876	42894	53126	53132
policies and programs		23414		France		14377*	63810*	63820	73268	73478	92137
42527	52722	63432	94084	Germany			14352*	94032	94623	94644	94646
104982	105035	105226*		Great Britain			42892	94655	42489*	42633*	53139*
Brazil			23136*	India			73488	83727*	83847*	100227*	
Bulgaria		105066*		Iran			105803	conferences and congresses			14347
Japan		32641*		Japan	32827	32828	33002*	reviews		14383*	94664*
Massachusetts		63662		33003*	33004*			hearing			33483
New York		53038		Poland	94351	99787*	105045*	conferences and congresses			14403
New Zealand		105107		105046*				Heron Island			14356
USSR		83189*		research methods				Himalayas		14379	73488
recent developments		63604		statistical			9323	host animal relations		5049	5410
83143*				reviews			94654*	33021	32605	42862	73496
Republic of South Africa		63377						105534	14907*	94624*	94658*
reviews		105041						94923*	105505*		

\*Text of this reference is not in English.



	Item			Item			Item	
Insects-- Cont			Insects-- Cont			Insects-- Cont		
host plant relations	23077	23102	New York		5059	quarantine--cont		
53158	94268	105507	New Zealand		53144	Italy		52937*
83740*	93946*	105509*	nomenclature	5037	14349	Poland		105283*
conferences and congresses	42894		32992	33006	33029	USSR		14090*
host plant resistance	4787	4797	73503	83729	14344*	rearing and breeding	23500	94481*
4806	23066	63531	14351*	14354*	14373*	94666*		
83170	83328	105201	83752*			rearing and breeding equipment	33508*	
105221	14291*	42606*	conferences and congresses	14408*		recovery		94409*
42862*	42867*		North America	73502		reproduction	94630	94641
reviews		83580*	Northern Rhodesia	94028		94645	94667	94671
hosts	23512	94669	Norway	94672*		105521*		95014
Hungary		14348*	numbers	5057	14389*	conferences and congresses	94661	
hybridization		95107*	reviews			Republic of South Africa	52684	
hydrogen-ion concentration		14501	nutrition	14399	14400	research methods		
identification		4821*	23110	94645	5053*	statistical		84031
4897	32631*	32878*	73480*	73482*	94624*	respiration	53163	63833
Illinois		77214	conferences and congresses	73475*		33026*	42896*	105523*
illustrations	53139*	73477*	orientation	14381	14384	reviews		94635*
in folklore		53142*	reviews		14391	Rhodes		105561*
India		23515	14388*	14402*	23513*	Saudi Arabia		63832
insecticide resistance	4656	13920	outbreaks			Scilly Islands		23698
13921	13924	13939	Canada		93981	Senegal		53142*
13978	42363	42380	forecasting		14191*	shipping		23525
42427	42428	42454	Austria			Sicily		53351*
52692	52706	52731	Germany	73087*	83314*	Sierra Nevada Mountains		26826a
63398	73052	83163	Hungary	63575*	83537*	situation and outlook	23312	52714
104963	105211	4673*	Poland		83548*	63643	63664	83353
52734*	105026*		Switzerland		42720*	size SEE Insects, weight and		
conferences and congresses		13974	USSR	42365*	83390*	measurement		
interception	83506	83514	Germany		14291*	sonification	63809	63811
introduction	4640	13918	Japan		13956	63837		63812
73120*			Poland		105045*	conferences and congresses	14403	
Canada		94029	Venezuela		105151	speciation	32986	33076
Mexico		93951*	overwintering	14368	53150	sterilization	23099	23122
South Dakota		42644	oviposition			42546	52694	73131
Israel		42857	reviews		83122	14197*	14254*	32613*
Japan		53138	oxidation reduction potential		33450*	94010*	105161*	
Juan Fernandez Islands		83735	Pacific area		42439	conferences and congresses	93978	
Kure Island		5034	Pakistan		32590	reviews	42435	83122
labeling		93924	parasites	5331	32994	105539	105540	
larvae	23051*	63683*	33021	33306	33333	stings		105098
94231*	105062*		105534	23505*	42633*	stratification		93945*
Laysan		63813	73090*	94481*	105505*	Sudan		32993
liberation	4740	94029	bibliographies			Surinam		94952*
94409*		94401*	conferences and congresses		83812	surveys	5046	23373
life history		94668	Peru		83209	14389*		63830
littoral SEE Littoral insects			phylogeny	5042	63824	Africa	42473	63707
locomotion		73471	14958*			Austria		73302*
Lord Howe Island		17614	populations	4805	5036	Canada		94428*
Macaronesian Islands		42872*	42893	53161	63630	Chile		93981
Madeira		95624	63841	64213	73119	China		32780*
metabolism	53523	63389	83147	83742	94322	Florida		105543*
5316*	63484*	73878*	94644	105500	94632	France	4798	94637
reviews		23530*	33003*	33004*	33002*	Germany	43082*	14377*
metamorphosis		42878	83736*	83743*	83570*	Great Britain	43138*	73485*
64124	5197*	33010*	94923*	105040*	94625*	Himalayas		63935*
83737*	83748*	73476*	China			India		5057
Micronesia	83957	83963	conferences and congresses		105524*	Himalayas	14379	23527
83803*		83994	Japan		73501	Nigeria		5626
microorganisms		94629	Michigan		94365*	Netherlands		105359
conferences and congresses		73500	research methods		13956	North Carolina		83543*
migration	5048	14369	statistical		52883	Sicily		23504
14930	33008	14401	reviews	83743*	83956*	Texas		83148*
Africa		5054	sampling	5046	23373	Thailand		105339
Arctic Region		14364*	33002*--33004*	42720*	42561	USSR		83955*
conferences and congresses		14404	Portugal		83749*	Wisconsin	42388	14217*
Europe		14364*	predators	5115	23779	Sweden		42698
Gulf of Aden		14375	73496	73499	95573	tagging	63917	105877
Italy		53157*	105535*			105150*	105420*	105761*
USSR		5041*	bibliographies		83812	taste		14546*
mimicry	73496	105520*	preservation	23356	52678	Tatra Mountains		36752*
molting		33452	63369	106015	13908*	taxonomy	5042	14409
mortality		23615	preservation equipment		52678	42855	53136	53152
mountain areas		23618	14357*	23065*	63840*	73502	105532	5056*
73488	93945*		prey		53475	14350*	14351*	14354*
myrmecophilous SEE Myrmecophi-			protective devices	73052	94629	14374*	14378*	14386*
lous insects			105534	5545*		14824*	42886*	42890*
names	4338	23502	public health aspects	42527	83225	conferences and congresses	14408*	
73503	4633*	14354*	83213*			test insects		42438
83752*	94634*	63365*	quarantine			Tropics		42854
dictionaries		37155	Arizona		94988	types	14350*	63842*
nematodes	33031	73472	Australia		37091	USSR	42850	42869
14358*		83135	California		94988	42633*	42870*	73058*
nests		73763	Central America		94432*	venom	14059	42498
Netherlands	23792	32635*				viruses	23754	33007
New Guinea		42439				73500	94474*	94670*
New Hampshire		53145				reviews		23076

\*Text of this reference is not in English.

	Item				Item				Item		
Insects-- Cont				Interferon	3245	10334	18266	Intestinal emphysema			83059
vision	23648	53520	94633	103225*				Intestinal fistula	32439		62320
105517	32988*	32991*	53582*	Interindustry analysis SEE Input-output				103719	62815*		
105702*				analysis				Intestinal flukes			103227
reviews			42882	Intermediate wheat grass SEE Agropyron				buffaloes			72280
water relations				intermedium				cattle	72246		104666
reviews			42852	Internal browning				ducks	4127*	52300*	93372*
weight and measurement			42858	brussels sprouts			47085	104342*			
4678*				plums			38190	goats	13699	63086	82834
wood-destroying SEE Wood-destroy-				tomatoes	9848	9849	89725	pigeons			52300*
ing insects				100489				poultry			82622*
SEE ALSO Aircraft, in pest control;				sweetpotatoes			99595	ruminants			3280*
Aquatic insects; Baits and traps;				International agreements and treaties				sheep	13699	63086	63111
Entomology; Forest insects; Gall				SEE Trade, agreements and treaties;				82834	104666		
insects; Household insects; Insecti-				and SUBHEAD agreements UNDER				swine		4554	104917*
cides; Pest control; Plants, quaran-				specific subjects				Intestinal hernia			82219*
tine; Scale insects; Snow insects;				International relations	27256	88064		Intestinal impaction			104108
Social insects; Soil insects; names of				36547*				Intestinal invagination SEE Intussuscep-			
insects, anatomical parts, and dis-				bibliographies			98663	tion			
eases; SUBHEAD insect food UNDER				SEE ALSO SUBHEAD international				Intestinal obstruction	41752	72194	
Birds; Fish, Wildlife; SUBHEADS				UNDER Cooperation; Organizations				72480*			
pest control; pest resistance; pests				International visits	36111	36112		Intestinal occlusion			72247
UNDER names of animals and plants;				108692*				Intestinal prolapse			82421*
AND UNDER Luminescence; Mutation;				Americans in India			46183	Intestinal torsion	13106		72653
Parthenogenesis; Photoperiodism;				Americans in Israel			46184	Intestinal worms			41370
Sex; Sex behavior; Symbiosis; Tissue				Americans in Spain			46185	buffaloes			62382
culture; Trophallaxis				Americans in USSR			45737	cattle		3680	51598
Inspection SEE SUBHEADS quarantine				Brazilians in U S			48750*	52446	62257		
UNDER Insects; Plants; regulation and				Ceylonese in India			70213	control			22209*
inspection UNDER other specific sub-				Dutch in Czechoslovakia			91506	reviews			
jects				Dutch in Germany			91506	Guatemala			103621
Institutions	26434	108647		Italians in France			86581*	Illinois			62395
desert areas			56843	Filipinos in U S			75861	treatment	13043		3573*
history		35745	56021	French in Great Britain			31030*	dogs			31594*
Southern States			67105	Germans in France	90269*		90282*	goats			13674
Western States			56843	Germans in Great Britain			88857*	horses	3977	22421*	31686*
Wisconsin			36065	Germans in Norway			92781*	poultry			104339*
Insufflation	104642		31298*	Germans in Turkey			83652*	rabbits			51598
Insulaspis			73702*	Hungarians in USSR			95724*	sheep		51598	52446
Insulating materials	3021		21677	Israelis in U S			46181	72835	82802	104718	62257
41060* 60096*				Italians in Denmark			51620*	control			22209*
Insulation SEE UNDER Buildings and				Italians in USSR			91530*	reviews			42191*
kinds of buildings				Japanese in Europe	8842*		36047*	diagnosis			104704
Insulation board SEE Fiberboard				51624*				Northern Ireland			52432*
Insulin				Japanese in U S	50448	8842*		treatment	3573*		
analysis and composition			73357	51624* 97363* 108809*				63151*			
effects on cattle		81421	32241	Malaysians in USSR			91479	Intestines	51461	103207	51473*
41625 92525		62221*	72030*	New Zealanders in Europe			40791	103362*			
72285*				New Zealanders in North America			40791	Aiolopus strepens		13912*	14910*
effects on chick embryos			32099*	Rhodesians in U S			67119	Apis mellifera		73385	83670*
effects on poultry	72629		10445*	Russians in India			20867*	bacteria			103173
41962*				Spaniards in U S			46182	Bombyx mori			83721*
effects on rats		104191		Swedes in U S			50470	cattle	13106	103878	3559*
effects on sheep		22839	32241	Interplanting	1110	48723	28664*	3687*	31477*	92477*	103599*
42165 42166		63063*		69577*				diseases		103625*	103627*
Insurance	16599	16603	76029	Belgium			19670*	chinchillas	92820	62576*	72454*
86677 108135				California			10972	92834*			
California			94240	China		89968*	90021*	diseases	71738	71739	61802*
Canada			97627	Czechoslovakia			79119*	dogs	22344	41751	52029
Germany	16600*	26509*	66447*	Denmark		19612*	19658*	62507	103976		
86684* 86688*	108133*	108149*		France			90118*	ducks			104329
history			35510*	Germany	59341*	63634*	90185*	Eurycotis floridana			64247
Mexico		45515*	66444*	East Germany			90177*	Galleria mellonella			33427*
mutual			97629	Great Britain			18932	goats		4398	52460
conferences and congresses			66443*	Hungary		28789	39347*	grasshoppers and locusts			23922
European Economic Community			66448*	India	10285	10413	10414	horses	13378	31680	92880
France	7684*	7687*	7690*	11132	35917	38891	59360	3687*	13399*	41843*	
66441* 66443*	66452*	76024*		Italy			101475*	Hyalophora cecropia			73812
Illinois			108136	Kentucky			29652	Lasioderma serricornis			14245
Indiana			108136	Kenya			48883	mice		82498	104214
Italy			26511*	Netherlands			20143*	microorganisms		92068	73385*
New Zealand			108130	Northeastern States			48906	Musca domestica			105786*
Portugal			35505*	Poland			69384*	Oncopeltus fasciatus			14733
Poland			86676*	Rumania	1727*	59314*	78535*	poultry		4187	31967*
statistics			56131*	Sweden			69353*	bacteria	41955	93286	31823*
USSR			108146	Taiwan	48970*	59279*	101083*	62893*	104404*		
SEE ALSO kinds of insurance				101086*				diseases			93195
Integration SEE Horizontal integration;				Thailand			79373*	quails			31949
Vertical integration; and SUBHEAD				USSR	5749*	59245*	68803*	rabbits	63003	93556*	104532*
integrated UNDER Insects, control				69401* 79202*		79301*		sheep	52450	52460	42210*
Intercollective farm organizations	7718*			Intersexes		33362	53519*	63063*	82798*	93645*	104640*
16564* 16776*	26813*	33562*		SEE ALSO Gynandromorphism; Her-				Spilopsyllus cuniculi			64278
45779* 46179*	76300*			maphroditism				swine		104853	104861
Interdigital fibroma	31346*	103426*		Intervertebral disc protrusion, dogs				bacteria	4556	22942	22943
Interference phenomenon	31739	42000		SEE Spinal column, dogs, diseases				22979	32483	104844	93838*
42067 92809	105479	62829*						diseases		52653*	104824*
91953*								parasites		4532*	63237*

\*Text of this reference is not in English.



Item				Item				Item			
Intussusception	92405	31289*	31645*	Iodine-- Cont				Ions-- Cont			
cattle	41838*	82367*		therapeutic use	51374*	71713*		in poultry physiology		41995	
horses		103631	103672	72494*	91915*	92547*	93641*	in rat physiology		41879	
Inula			104132*	Iodine compounds			82599*	in <i>Salix viminalis</i>		9972	
<i>Inula graveolens</i>			46852*	Iodoacetic acid			27339a*	in soils	1170	11178	11276
<i>Inula helenium</i>			72870	Iodocasein			103354		11378	20418	20456
Inulin		19362	92953*	Iodochlorohydroxyquinoline			3618*		29491	29494	39761
Invert sugar			27786	Iodometry	86292	64989*	85145*		49683	49705	60106
Invertase	1383	28376	66187*	Iodopepla n g		95419	95543		90846	90884	101754
in <i>Dysdercus fasciatus</i>			34008*	Iodophors	6372	15740	96590		49774*	60153*	39739*
in honey			5401		106259	85469*			101698*	70317*	100305*
in mandarin oranges			65785*	Ion exchange				in soybeans			89688
in plants	38541	100711	75197*	in barley		27930		in sugarcane			49957
in rice			89839*	in dairy industry		54529		in sugars	7490		45347*
in sugarcane analysis			10144*	reviews		25016		in <i>Vespula germanica</i>			32932
Investments	8011	20846	86474*	in grapejuice		74581		in <i>Vespula pensylvanica</i>			32932
71027	71053	76029	64721	in insects		73493		in waxes			16333
71037*			80926	in milk		85442		Iontophoresis			92739*
Bulgaria			108055*	in plants	27868	100642	49774*	Ioxycopa SEE <i>Xylocopa</i> ( <i>Ioxycopa</i> )			
Denmark			26569*	in pulp and paper			103036	IPC	16061	39429	39430
developing areas			97767*	in starch processing			106697*		101513	29150*	65616*
Germany	84389*	108068*	108069*	in sugar beet research			97483*	<i>Iphiclidus podalirius</i>			64190*
Hungary			45457*	in sugar manufacture	7460		7487		84139*		84121*
Japan			33554*	55848	26314*	107910*		<i>Iphidozercon</i>			53197
New England States			108435	in sugars		7490	26323*	<i>Iphita limbata</i>			5418
North Dakota			56133	in wine	54460		96290*	<i>Ipidae</i> SEE <i>Scolytidae</i>			
Poland	56074	56115	64586	resins		1258	2159	<i>Ipinae</i>			4022*
Scotland			16560	11232	35086	54460	65148	<i>Ipomoea</i>			
Spain		45455*	45456*	74930	19179*	20760*	75336*	Australia			20321
Sweden			40524*	84788*	90896*	96889*		biochemistry			10198*
USSR			53883*	SEE ALSO Soils, base exchange				cytology	8613		58309
USSR bloc			97928*	Ionidium SEE <i>Hybanthus</i>				fungus diseases			18213
Western States			108624	Ionolycce		95542		genetics			89320
Iodates		25754	34948	Ionone		97234*		seeds	18566		68446
Iodides	52147	82146	98786	Ions				<i>Ipomoea batatas</i> SEE <i>Sweetpotatoes</i>			
28139*				effects on <i>Aedes aegypti</i>		73698		<i>Ipomoea crassicaulis</i>			68940
Iodinated casein SEE <i>Thyroprotein</i>				effects on <i>Ankistrodesmus braunii</i>		19154		<i>Ipomoea hederacea</i>			29380
Iodine			98786	effects on <i>Anopheles quadrimaculatus</i>		73698		<i>Ipomoea leari</i>			19393
determination			15384*	effects on barley	9860	19349		<i>Ipomoea nil</i>			
effects on algae			89702*	27887				anatomy and physiology	9910		
effects on <i>Campanula persicifolia</i>			58486	effects on <i>Calliphora vicina</i>		95032*		9911	18968	38182	69153
effects on cattle			72229	effects on cotton	78730	38298*		seeds	78671	100221	1121
effects on fibers			34531	effects on grapes		38014*		<i>Ipomoea parasitica</i>			59075
effects on poultry			13542	effects on <i>Nitella flexilis</i>		68974*		<i>Ipomoea pes-caprae</i>			100971
effects on <i>Tradescantia fluminensis</i>			58486	effects on <i>Pichia indica</i>		18798		<i>Ipomoea purpurea</i>	29380		99660
in algae			28023	effects on plant disease		18341		<i>Ipomoea rubrocaerulea</i> SEE <i>Ipomoea</i>			
in animal nutrition			3078*	effects on plants	38489	78446		tricolor			
in animal physiology	61906*	81879*		37935*	49774*			<i>Ipomoea tricolor</i>	89831		48556*
91982*				effects on <i>Porcellio</i>		23558		<i>Ipomoea violacea</i>	67868		89838
reviews			91982*	effects on seeds		28137		<i>Ipomopsis</i> SEE <i>Gilia</i>			
in <i>Bombyx mori</i> nutrition			53099	effects on silk		105486*		<i>Ips</i>	63710	63934	83577
in cattle nutrition			72064*	effects on soybeans		68773		105379	105405		94880
reviews			92312*	effects on sunflowers		9813		<i>Ips acuminatus</i>		73563*	94860*
in cattle physiology	12997	22218		effects on swine		32490*		<i>Ips calligraphus</i>			23628
31380*				effects on <i>Tribolium confusum</i>		105676		<i>Ips cembrae</i>			5179
reviews			72217*	effects on vermiculite		29516*		<i>Ips concinnus</i>			63934
in cottonseed oil			55593	effects on viruses		61890		<i>Ips confusus</i>	5187	33116	63982
in fats and oils	7287		86504*	effects on yeasts		68894			73330	94470	
in food	64773	33982*	36418*	in air	12847*	32490*		<i>Ips emarginatus</i>			94880
54096*				in animal physiology	3250*	3298*		<i>Ips grandicollis</i>			105398
in forage plants	31380*	51434*		in <i>Apis mellifera</i>		32932		<i>Ips knausi</i>			94880
in grain	55353	91078		in bananas		48476		<i>Ips mexicanus</i>			63934
in human nutrition		98355		in barley	48073	48093		<i>Ips pini</i>			105398
in milk	3429	3634	13085	in <i>Berosus spinosus</i>		63959*		<i>Ips plastographus</i>			94880
22218	24839	24874	24905	in blood	82389*	103899*		<i>Ips ponderosae</i>			94470
24908	44326	85384	31380*	in cattle physiology	22216	103754*		<i>Ips typographus</i>	42794*		63698*
51745*				in <i>Chara australis</i>		48084		<i>Ipselissus</i>			94937*
reviews			34396	in corn	18962	69127*		Iranians in the U S			98384
in oilseeds			1360	in dog physiology		22356		<i>Iriartella</i>			17753
in plants			36418	in forage plants		102191		<i>Iridaceae</i>	9580	68439	88281
in poultry nutrition	41942*	104292*		in insect physiology		53154		<i>Iridin</i>			10191
in poultry physiology	22627	52147		reviews		76875*		<i>Iridomyrmex analis</i>			95360
in rat physiology	4009	52147		in kefir		76875*		<i>Iridomyrmex humilis</i>	14823		73779*
104191				in milk		18955		<i>Iridomyrmex pruinosus</i>			33296
in sheep nutrition	13655	52397*		in onions		58511*		<i>Iridosma n g</i>			77298*
in sheep physiology		42216*		in pears		33474		<i>Irigenin</i>			1341
in soils	36418	79970	20473*	in <i>Periplaneta americana</i>		27868		anatomy and physiology	58644	89479	100389
101774*				in plants	10120	18935		associations			39153
in starches			64753	38148	47981	47993	58594	bacterial diseases			59690
in swine nutrition			104786*	68981	69032	69068	78684	biochemistry			38111
in swine physiology	22944	4486*		78800	28091*	58782*	78434*	breeding	39185	39317	39318
in vegetables	38455*	65537*		100305*				culture	39286*		
91078*				reviews		78459		101350*	28985	39261	59690
in water			36418	in poultry meat		55744		Australia			39239
protein-bound	22627	32381									
92473											

\*Text of this reference is not in English.

			Item				Item				Item
Iris--Cont				Iron--Cont				Irrigation--Cont			
culture--cont				in soils--cont				canals and ditches--cont			
Netherlands			20044*	Finland			70292	Mexico			2586*
New Zealand			69909	Great Britain			29600	Ohio			91299
cytology			18651*	Pyrenees			70297*	Poland			91280*
diseases			99213	Spain			78595*	research methods			
dwarf	39126		39316	Tropics	20469	20512	39758	statistical			102241*
fungus diseases			8994*	USSR			70306*	Rumania			91220*
genetics			37919	in soybeans			19156	USSR			106271*
hybrids	37919	39317	18651*	in swine nutrition			13769	weed control	29357		20296*
in art			36634	104933	13787*		63191	101524*	102186*		
Iran			39187	82928*			32362*	Australia	11093		70055
pests			14215	in swine physiology			93842	California			90705
planting			79620*	32475*	32501*		4534*	Hungary			49497*
propagation			20099*	63252*	83012*		52561*	Western States			29368
Turkey			39187	in tomatoes			93830*	2061			
varieties	1886	10744	39161	in vegetables			89377	Ceylon			40167
39224	39261	39293	39301	in wine	15525*	74576*	6813	Chile			102137*
39286*				toxicity			74622*	China	60584	102120*	102122*
weed control			39482	Iron acetates			52616*	102170*	102261*		
Iris borer SEE <i>Macronoctua onusta</i>				Iron alum			83001*	conferences and congresses			40249
Iris demawendica			67870	Iron chelates SEE Chelated iron			8599	40217*	91278*		
Iris graminea			8665	Iron compounds			41855*	cooperatives	29886*	60683*	
Iris iberica			26855a*	Iron-dextran compounds			104676	costs	20889	50225	80580
Iris innominata			1830	effects on cattle	22189		72255	11699*			
Iris kumanensis			10191	effects on swine	32464*		52573*	Arkansas			29889
Iris nertschinskia			101353*	52611*	72962*		81485*	Bulgaria			60591*
Iris nepalensis			1341	93824*	93845*		104793*	California			45821
Iris pseudoacorus	9689		99917*	Iron fumarate			104815*	Canada			20926
Iris tingitana			27917	Iron hydroxides			60129	Colorado	2508		60610
Iron				Iron oxides	8613		29442	Florida			40318
chemistry	45334		51331*	60109	90854		39754	France			60629*
effects on barley			78847	in soils			49787	Germany			11692*
effects on <i>Chlorella</i>			78924	Iron pentacarbonyl			55596	Great Britain	60618		91263
effects on fruit	18825*		47150*	Iron phosphates			11222	Hungary	11709*		16922*
78806*	100494*			Iron sodium tartrate	25226		81485*	Kansas			60593
effects on grapes	69038*		78806*	Iron sulfates	51579		72655	Mediterranean area			20811*
effects on plant disease			58100	Iron sulfides			6038*	Mexico			2586*
effects on plants	19014		44237	Irradiation SEE Radiation; and UNDER				Nevada			2552
89754				names of commodities				New Zealand			80520
bibliographies			58549	Irrigation	2410	2518	2536	North Dakota			7955
effects on poultry			13481	2582	20856	20888	29651	Poland			50295*
effects on rice	78847	101998		29898	39897	49668	60611	Texas	70723		80573
effects on soybeans	27819	68690		64491	80606	80612	80637	Turkey			60650
effects on swine			13836*	80666	91228	100140	102174	USSR	20913*		102142*
effects on tomatoes			68754	102179	102234	102237	102257	credit			97602*
effects on wood			71565*	28121*	40161*	70704*	70727*	desert areas	11690*		29568*
in animal physiology			103380*	70768*				50227*	70686*		
in blood	42181	41855*	52588*	advisory services			91306*	districts	2574		40256
52599*	63283*	82450*	93662*	Albania			91210*	Eastern States			80498
in cattle nutrition	4350	62112		Argentina	40148*	40151*	80605*	Ecuador			2505*
62140	62141			Arizona			80664	effects on herbicides			90663
in cattle physiology	103691	103870		Arkansas Basin			11686	effects on plant disease			27250a
22239*				associations			29927*	27018a*			
in cellulose			25120	Australia	2546	8042	11753	equipment	2531	2562	11699
in corn			58397	11795	45411	49599	70746	40156	50224	50256	50319
in dairy products			15610	80624	80655	97561	102177	60668	60679	60687	60700
in dog physiology			82366*	102178	102200			80555	102167	102169	11752*
in <i>Euglena</i>			9840	Bulgaria	60654*	91320*	102243*	20844*	29947*	40190*	40220*
in feed			103141*	California	2574	11723	50291	40275*	40315*	50285*	50345*
in flour			108961	50343	60634	70694		60657*	60582*	60707*	91294*
in food			34009	Canada	20906	76384	102193	102211*			
in grain			75359	canals and ditches			50246	Australia	70709	70804	80506
in Hevea			89882	60660	80545	80643	2549*	80629			
in honey			83661*	50324*				Bulgaria			80658*
in legumes			78563*	Australia			2017	California			1164
in meat			35103	China			99379*	China	60703	102119*	102127*
in Morus			9810	construction			80661	102242*			
in pears			58497*	102152*	102909*			Colorado			29950
in plant nutrition	9880		68767	Bulgaria			50344	costs			91254
78924	89763	18822*	37967*	Colorado			40267	Finland			80601*
in plants			10188	India			50299	Germany			40314*
18835	19358	68855	75359	USSR	2529*	20844*	29947*	East Germany			50349*
100514	1052*	19121*	78595*	40190*	40220*	50345*		Great Britain			60623
in potatoes			25451	60707*	80587*	80598*		Hungary	2525*	11715*	11738*
in poultry nutrition			22538	102166*				40158*	60651*	60682*	
in poultry physiology			22549	Florida			91253	India			102222
in pulp and paper			25120	France			20847*	Italy			84407*
in sheep nutrition	4350		82780	Italy			60663*	maintenance and repair			91255*
in sheep physiology	72840		93842	Japan	29911*	29921*	29973*	operation			91250*
104657				linings	70807*			parts			95841*
in soils	2153	2292	11275	40271	60689	80639	80671	Poland	80452*		80668*
11279	11290	11313	20466	80588*	91277*			Puerto Rico			2507*
20486	29511	39687	49686	maintenance and repair			2585*	purchasing			2523
60133	60173	60174	80013	12059*	20844*	40190*	60629*	USSR	11769*	20880*	29893*
101727	49737*	60287*	70314*	70769*	102187*			29909*	29935*	29965*	40259*
70327*	101866*							43581*	50329*	50331*	60630*
China			90853*					60659*	60669*	80611*	80650*
								91321*	102203*		

\*Text of this reference is not in English.



	Item				Item				Item		
Irrigation-- Cont				Irrigation-- Cont				Irrigation-- Cont			
equipment--cont				overhead equipment--cont				Tropics			
Wisconsin			80508	parts			95841*	USSR	29957	2522*	102171
Yugoslavia			70800*	reviews			102202*	11684*	11739*	11780*	2569*
France	40229	20808*	40152*	USSR	20905*	40221*	40224*	20807*	20907*	29568*	11800*
40265*	49595*	50241*	80499*	70724*				29906*	29922*	29936*	29885*
102213*				Pakistan	11741	20917	40188	29978*	30042*	40230*	29971*
Fraser Basin			20897	101657				40243*	40246*	40254*	40236*
Georgia			29890	Peru			90998*	50219*	50221*	50227*	40258*
Germany				Poland	60084*	89436*	91271*	50329*	60080*	60485*	50272*
East Germany	50281*	91259*		policies and programs			7672	60596*	60616*	60630*	60576*
Great Britain			80505	40261	56661	80651		60675*	60704*	70450*	60671*
history	40166	80497	91234	Africa			70708	70686*	70698*	70733*	70533*
60683*	70779*	102201*		Australia	2521	20901	50348	80502*	80526*	80554*	70777*
Hungary	2540*	11725*	20841*	Brazil			102181*	80647*	80648*	80665*	80560*
20845*	20865*	20887*	40192*	Bulgaria	50236	50305	50313	91013*	91241*	91302*	80678*
49600*	60588*	60621*	60635*	Germany				102104*	102107*	102109*	102088*
89583*	80654*			East Germany			60666*	102138*	102176*	102185*	102133*
India	20855	20878	40274	Hungary			102236*	102249*	108167*	108479*	102192*
50244	60573	66367	97538	India			29881				
97906	102165	108052	20867*	Italy	2513*	40182*	91249*	Utah			20883
91242*				Jordan			102212	Washington		70726	102214
Iran			70692	Lebanon			102212	water	2562	2581	11735
Iraq				Mexico		20931*	50220*	11789	20904	20932	40206
reviews			29929	Morocco			70699*	40291	50225	58507	60607
Italy	11691*	11716*	70744*	Oklahoma			2510	60670	70711	80512	80549
11778*	20810*	29879*		Spain			66704	80567	80568	80636	80670
80537*	108031*			Syria			102212	90599	102154	11748*	29930*
Japan		29961*	80631*	Tanganyika			11784	40153*	60586*	60590*	60636*
Jordan			2542*	USSR	60589		76904*	91291*	91311*	102108*	102189*
Kansas		80167	80578	Venezuela			35950*	102220*		50356	11794*
labor		26538*	91255*	Portugal	21365*		29882*	Arizona			11714
Mediterranean area			38107	projects			102162	Arkansas			102132
Mexico	2557*	40203*	70689*	Canada			50251	Australia	11754	91305	102132
Minnesota		40241	80638	China		70728	102148*	Belgium			39855*
Mongolia			80634*	Colorado			45652	Bulgaria			102163*
Morocco		70771	49944*	Cyprus			2520	California		926	11766
mountain areas		29890	20840*	France	102141		20843*	45821			
29879*	70780*	102243*		Hungary			50242*	Canada	60613	70805	91325
Nebraska			80548	Mexico	2545*	11706*	26687*	China	60625	91309	102259*
Netherlands			60597*	49898*				Colorado		29897	70783
Nevada			29654	Missouri Basin		80581	80614	desert areas			91252
New Mexico	20863	40287	50237	Montana			29914	France	60579	20892*	60101*
80664				Oregon			40284	Germany			
New Zealand		11707	80518	Pakistan			80528	East Germany			102226*
80519				Puerto Rico			56672	Goa			20903*
Niger			87236*	South Dakota	29923		29924	Great Britain		91266	102159
Nigeria			40194	56686	91257			Humboldt Basin			40280
Northeastern States			20941	Spain			56615*	Hungary	11760*	29905*	50240*
Norway			70752*	Taiwan		40172*	40214*	India	39693	39749	50244
Oregon			70697	Turkey			60650	80575			
overhead	491	2531	2571	USSR	60665	11797*	70693*	Israel		80649	20908*
11727	27250a	29940	57781	80587*				Italy	2515*	11770*	11778*
66525	77572	80523	91225	United Arab Republic			80642	60663*	70774*	80640*	80641*
102116	2528*	29896*	40198*	Washington		20918*		Kenya			50322
40200*	60581*	70712*	70725*	Puerto Rico		70795	50318	losses		29895	91271*
Australia			20919	pumps	80524	29903*	60631*	measurement		79989	80506
California			2555	91274*				80569	102135	2549*	11712*
Congo			79876*	Red River Basin			11686	50228*	70799*	91298*	102261*
Eastern States			11776	Republic of South Africa			20927	Mexico		20835*	91295*
Florida			40208	50308	102255	80589*		Minnesota			40242
France	20823*	20847*	20872*	research methods				Netherlands		20885*	29894*
26538*	29886*			statistical		40277	60610	29952*	40179*	91224*	
Germany			11692*	70778	91309	40275*	80632*	New Mexico		40157	40252
East Germany	40219		40184*	research programs			102246	Poland			60627*
Hawaii	2534	11705	50325	reviews			102160*	Republic of South Africa			29907
Hungary		16922*	50228*	Rumania	60574*	60652*	91223*	102135	20928*		
India			60639	102194*				research methods			
Italy	80640*		80641*	Saudi Arabia			108386	statistical			11750
Japan			29917*	Scotland			39951	Rio Grande Basin			50261
Massachusetts			29944	Sicily			80635*	Sahara		29955*	102145*
Poland	40293	37169*	91240*	South Dakota	70776		108405	South Dakota		29923	29924
Spain			50298*	Southeastern States			70798	80570	80672	102223	
USSR	40237	20880*	50279*	Southern Rhodesia	20925		70786	Taiwan		27956*	40311*
60641*	80544*			Southern States			80498	Texas		20850	80573
overhead equipment	20934	29962		Spain	40216*	102110*	102110*	USSR	80561	11737*	11740*
53823	60609	60725	80530	statistics	24577	70723	20884*	20951*	29942*	29956*	29965*
80551	80620	91254	11717*	study and teaching			80548	40222*	40226*	40266*	40283*
20912*	50295*	60590*	70755*	subsurface	11752*	29958*	40259*	40289*	50272*	50326*	80540*
91297*	102189*			43581*				91285*	102106*	106530*	
Arizona			80553	Sudan			29959	Utah			70794
Canada			40163	Sweden			50274*	Western States			80676
costs			50338*	Switzerland			80535*	Western States			80498
Germany	11698*	91293*		Taiwan	40168*		60631*	White River Basin			11686
Hungary	20854*	50338*		Tanganyika			76564	SEE ALSO UNDER Forests; Green-			
New Zealand			80520	terminology			60698	house culture; names and classes of			
operation			70718	Texas	40164	40313		plants; and SUBHEAD by irrigation			
								UNDER Cold, plant protection			
								Irvingiaceae			77298*

\*Text of this reference is not in English.

	Item		Item		Item
Isanates	73609*	Isopods--Cont		Ixodes ricinus--Cont	
Isaria farinosa	83698*	fungi	105574*	and disease--cont	
Isariopsis indica	47001	genetics	73645	Norway	14068
Isatis	57534*	habits and behavior	73516 73548	reviews	23147*
Isaverin	12637*			USSR	14038* 14074*
Iscadida	14499*	Italy	33038*	as pests	105143
Ischaemum angustifolium	26382	reproduction	33047*	Bulgaria	73161* 73520* 73533*
	34611	respiration	53231*	control	94286*
Ischnispa n g	73572	Tasmania	23574*	Czechoslovakia	83788
Ischnobracon n g	73737	taxonomy	5084	development	94709*
Ischnocera	5631 53593	Turkey	63894*	ecology	33062* 53195*
Ischnodemus	73723	water relations	105590*	feeding habits	94232
Ischnodemus dentatus	95267*	weight and measurement	42923	fungi	105544*
Ischnodemus sabuleti	23764*	West Virginia	14467*	hosts	23157
Ischnothyreus	83803*	Isoprene	23570	viruses	83788 52807*
Ischnura	95654	Isoprenoids	86391	Ixodes ricinus scapularis	14023
Ischnura damula	53570 106128		78917	Ixodes scapularis SEE Ixodes ricinus	
Ischnura verticalis	43372	69289*		scapularis	
Isiclema SEE Iseilema		Isopropanol	48046	Ixodes soricis	94222
Iseilema	92284	Isopropoxyphenyl N-methyl carbamate		Ixodes stromi	73545*
Ishmospora	8879	SEE Bayer 9010		Ixodidae	
Islaya	77395*	Isopropyl alcohol	75691*	Africa	94238*
Isle of Wight disease SEE Acarine		2-Isopropyl-4-dimethylamino-5-methyl-phenyl-1-piperidinecarboxylate methyl chloride SEE AMO-1618		age	94780*
disease		Isopropyl phenylcarbamate SEE IPC		Albania	32698*
Ismene calathina	48204*	3-Isopropylphenyl N-methylcarbamate		and disease	32696 94097* 94236* 94246*
Ismene festalis SEE Ismene calathina		SEE Hercules 5727		Asia	63899
Isoamyl alcohol SEE Isopentyl alcohol		Isoptera SEE Termites		as pests	63465* 73540* 73544*
Isobenzan SEE Telodrin		Isopterygium	36950	Ceylon	5112 63898
Isobertlinia	88274	Isopterygium elegans	99935*	control	63465* 94297*
Isobertlinia scheffleri	23606	Isoquercitrin	69274 79054	geographic distribution	73528*
Isobutyl o-coumarate	37258	Isoquinolinedienone	38549	hosts	73528*
Isobutyric acid	1423	Isorhopalum n g	14815*	India	5085 14464 63897
Isochlora	23818*	Isospora bigemina	22338*		63898
Isocitratase	100498*	Isospora infestation SEE Coccidiosis		New Guinea	63899
Isocitrate lyase	38596 100611	Isothiocyanates	5519 55581 55587	nomenclature	33071
Isocitric acid	58703		95442 10228*	Norway	14068
Isocitric dehydrogenase	19408 43316	Isothiocyanic acid	19405 78914*	nutrition	83755*
	43317	Isothiuronium	102290	Portugal	33070*
Isocystis pallida	17888*	Isothiuronium organic salts	23090	reproduction	83247
Idodiplosis	14653	Isotima javensis	14803	Republic of South Africa	5086
Idodontia	33331	Isotoma cinerea	14943*	stratification	94780*
Idodontia (Murrayella) n sgen	53426	Isotoma saltans	106133* 106152*	taxonomy	33052 83769 105584
Isoetaceae	8776*	Isotomidae	23949 43375 43376		73539*
Isoetes	26914a* 67891*	Isotomodes	84214*	Texas	83785
Isoetes asiatica	37792*	Isotopic dilution technique	92445	USSR	5067* 14029* 14440*
Isoetes coromandelina	18497 37634	Isozymes	100079		14456* 32697* 63474*
Isoflavanones	61555 71607	Issidae	14751		94760*
Isoflavone	3007 21892 23069	Issoria lathonia	106025*	Ixodides SEE Ticks	
	91735*	Issoria sinha pallida	95522	Ixodoidea SEE Ticks	
Isolembidium n g	36955	Itaconic acid	26320	Ixora	83487
Isoleucine	814 1414	Italian pear scale SEE Epidiaspis piricola			
effects on swine	13797	Italian ryegrass SEE Lolium multiflorum			
in Neurospora crassa	58469	Itch mite SEE Sarcoptes scabiei			
in plants	48565*	Itea ilicifolia	10209		
Isolia	14841*	Itea japonica	20095		
Isoloma eianthum	49239*	Itea virginica	10209		
Isomaltulose	97462*	Itea yunnanensis	10209		
Isomerases	24877	Itersonilia perplexans	18220		
Isometamidium chloride	31336	Ithomiidae	95416		
Isoniazid		Itols SEE Alcohol, from sugar			
effects on animal parasites	103828*	Itonididae SEE Cecidomyiidae		Jacaranda	69938
	104326*	Itopectis conquisitor	105869	Jacaranda acutifolia	19393 91564
effects on animals	41379*	Iulida SEE Julida		48523*	
effects on cattle	31137* 31270*	Iva axillaris	20222	Jacaranda mimosifolia SEE Jacaranda	
51899* 92565*		IVT semen diluent SEE Illini variable		acutifolia	
effects on plants	19024	temperature diluent		Jack pine SEE Pinus banksiana	
effects on poultry	72598 31793*	Ixeris dentata	18606	Jackbeans	79061 9900* 10100*
Isonicid SEE Isoniazid		Ixodes	14038*	Jackson test	86474*
Isonicotinic acid hydrazide SEE Isoniazid		Ixodes angustus	94222	Jagziekte SEE Pulmonary adenomatosis	
Isoparaffins SEE Paraffins		Ixodes eadsi	83785	Jambia	106065*
Isopelletierine	22829	Ixodes laguri laguri	32686	Jambolans	59532
Isopentenoids	27804	Ixodes ovatus	83793*	reviews	69724
Isopentyl alcohol	96254*	Ixodes pacificus	94114	Jams SEE Jellies and jams	
Isoperla grammatica	14954	Ixodes persulcatus	14493*	Janthinellin	8554*
Isophytol SEE 3, 7, 11, 15-Tetramethyl-1-hexadecen-3-ol		and disease	42458 14038* 14048*	Janus abbreviatus	4915
Isopods		73162*		Janus compressus	83432*
anatomy and physiology	23558	control	42495*	Japanagromyza	23700 95078
5098* 94751*		host animal relations		Japanese Azalea SEE Rhododendron	
as pests	13968	parasites		japonicum	
Balearic Islands	53210*	USSR	94096	Japanese beetle SEE Popillia japonica	
bibliographies	63901*	viruses	94780*	Japanese holly SEE Ilex crenata	
Bulgaria	63894*	Ixodes pomaranzevi	42506	Japanese in Brazil	93487*
Canada	5090	Ixodes ricinus	94780*	Japanese in Paraguay	56294*
cytology	14449 63896*	and disease	103813* 94107	Japanese larch SEE Larix leptolepis	
development	83792*	94139		Japanese plum SEE Prunus salicina	
Florida	83804	Austria	14043* 52807* 52808*	Japanese red pine SEE Pinus densiflora	
France	63901*			Japanese white birch SEE Betula platyphylla japonica	

\*Text of this reference is not in English.





			Item				Item				Item
Jurisprudence--Cont											
France			26678*								
Germany	16671*		45677*								
Great Britain			76165								
Spain			66610*								
Uruguay			26641*								
Jussiaea	18672		88364								
Jussiaea grandiflora			89174*								
Jussiaea suffruticosa			18672								
Jussieua SEE Jussiaea											
Justicia gendarussa			28171								
Justicia simplex			58414								
Jute											
acreage and area	55381		55382								
76286											
advertising			107127								
analysis and composition			107144								
anatomy and physiology			38369								
69035 78737											
associations	6635	15829	107127								
breeding			100902*								
color			34509								
Congo			69491*								
containers			107127								
culture	38803		100895								
cytology	27585a		78104								
deterioration	25133		34515								
disease resistance			99382								
diseases			8924								
fertilizers	80252	102040	60496*								
fungus diseases		9047	57994								
99382											
futures			44520								
genetics		58373	89249								
hybrids			37857								
India			69660								
industry	54822		75126								
morphology	37625		89218								
pest control			32802								
pests			42640								
planting			8924								
prices	44435	44473	76286								
processing	6611	15824	25154								
75075 75095*											
products		44518	96753								
propagation		38369	59274*								
research programs			85595								
retting		6587	54839*								
seeds	26235	38369	68663								
79229 59274*											
situation and outlook		65264	75121								
soils			102040								
spinning			107131								
statistics	6590	44465	55381								
55382											
textiles			25132								
varieties			79253								
weed control			73116								
yarn			25154								
yields			60496*								
India	8924	25243	55381								
55382											
Pakistan			80252								
Kabatiella caulivora			99292*								
Kadamba SEE Anthocephalus cadamba											
Kadang-kadang											
coconuts	68288		77932								
Kadsura japonica			68467								
Kadua affinis			36937								
Kaempferia			36860								
Kaempferol SEE 3,4',5,7-Tetrahydroxy-											
flavone											
Kafir			48759								
Kahweol			6284*								
Kaki persimmons											
analysis and composition			34691								
anatomy and physiology			27799*								
morphology			27575a*								
physiological diseases			69143*								
processing			25507								
pruning			28833*								
Kaki persimmons--Cont											
refrigeration											
storage	25522		44754*								
thinning			25521*								
Kakothrips robustus			101153*								
Kala-azar			84206*								
dogs			4718								
man	23112*		23113*								
Sudan			23113*								
transmission	23175	63480	52779								
105104*			63482								
Kalanchoe	28201	37361	39324*								
88365*											
Kalanchoe blossfeldiana	935*	9831*									
59769*											
Kalanchoe daigremontiana	9831*	9987*									
37960* 58775*	78602*										
morphology			58297								
Kalanchoe jongmansii			57637*								
Kalanchoe laxiflora			37960*								
Kalanchoe mangini			57637*								
Kalanchoe pinnata	27595a		58703								
Kalanchoe verticillata	58297	100576									
Kale											
anatomy and physiology			78823								
breeding			1948								
culture			69974								
reviews			49396								
feed			31276								
fertilizers	11625	70530	70652								
78823											
hybrids			1948								
pests			33258								
toxicity			31276								
weed control	39539		39459								
yields			18932								
Kalimantanina n g			83784								
Kalmia polifolia			67878								
Kalopanax septemlobus			42773*								
Kaloterme flavicollis	14964*		23926*								
33495*											
biochemistry			73358*								
chemoreception	33517*		33518*								
cytology			73889*								
feeding habits			105877								
habits and behavior			53595*								
India			32913								
reproduction			84221*								
Kaloterme minor			53012								
Kaltenbachiola strobil	23377	105382*									
Kanadyana n g			95245								
Kanamycin			3618*								
Kangaroo rats	286	104217									
Kangaroos			73654								
Kania eugenioides			89107								
Kaoliang			91202*								
Kaolin			1531*								
Kaolinite			39699								
Kappa number	102981	30662*	51267*								
Karathane	34699	27081a*	58019*								
99401*											
Karl Fischer reagent	50417	70245									
75218											
Karmex											
Karri Eucalyptus SEE Eucalyptus diver-											
sicolor											
Katamenes arbustorum algerus			73743*								
95287*											
Kaulinia n g			67895								
Kaurene			68849								
Kauri (tree) SEE Agathis australis											
Kavurga			55367*								
Kawamuracarus			23545								
Kefir	74960*	76875*	96638*								
Keithia thujina			99283								
Kelaino n g			5402								
Kelainocoris n g			14742								
Kelp SEE Seaweed											
Kelthane	52851	83395	94396								
105266											
Kena											
Kenaf											
analysis and composition			35274								
anatomy and physiology			69499								
bibliographies			15864								
breeding			48128								
Congo			48773								
culture			100903*								
			69491*								
			59293*								
Kenaf--Cont											
disease resistance			100903*								
hybrids			100480*								
irrigation			29931*								
morphology			68551								
pests			4790								
planting date			28593*								
processing			85596								
retting			54839*								
reviews			34645								
seeds			28593*								
spinning			34522								
weed control			79826*								
Kennel cough SEE Tracheobronchitis											
Kentucky bluegrass SEE Poa pratensis											
Kepone	83157	105067									
alpha-Keratin			54807								



Item	Item	Item
Kidneys--Cont	Klebsiella pneumoniae	Labia minor
cattle--cont	Kleidotoma	Labiateae
diseases	Kleptochthonius	17637* 8684 17690
72158* 82188* 82189*	Klobouk's disease SEE Encephalomyeli-	36862* 46901*
diagnosis	tis, swine	53383
diseases	Klossiella muris	Labidaspis n g
dogs	Klutone	Labidura riparia
92731*	Knausia crassicornis	Labiduridae
diseases	Knees	Labor
62476 72389 31557 41739	cattle	accounting
transplantation	dogs	56224* 86714*
geese	104025 104018*	agreements
horses	horses	Austria
mice	Knemidokoptes mutans	France
poultry	Knightocapsus SEE Deraeocoris (Knight-	Germany
104335 104397	ocapsus)	Italy
rabbits	Kniphofia carinata	Portugal
rats	Kniphofia pumila	and mechanization
sheep	Koch test	56186 66509* 86762*
104631 104655	Kochia	Czechoslovakia
swine	Kochia prostrata	France
32484* 82488* 104873*	Koeleria	Germany
Kids	Koeleria cristata	66857* 73975* 108177*
82763* 104722* 104723*	Koeleria tristis	East Germany
Kidundastethus n g	Koellensteinia	53701* 108191* 108200*
Kieselguhr SEE Infusorial earth	Koelreuteria paniculata	Hungary
Kieserite	Koenigia islandica	106243* 35544* 95754*
Kikuyugrass SEE Pennisetum clandesti-	Koerberia	Japan
num	Kohlrahi	86764* 5706* 33547* 33723*
Kilmag SEE Calcium arsenate	89358* 100230* 101062*	Netherlands
Kilns	Kohman test	Northern Rhodesia
Kimminisia	Kojic acid	Southern Rhodesia
Kinases 19289 69231 69327	Kok-saghyz	USSR
Kinematics	Kokum oil	86775* 26579* 86709*
Kinetin	Kolar method	associations
effects on Acetabularia mediterranea	Kolkhoz SEE Collective farming	attitudes
effects on Aztec tobacco	Kolkwitzia amabilis	Austria
effects on barley	Konjak mannan SEE Mannans	Belgium
effects on beans	Konpasil	Bulgaria
effects on broadbeans	Korean littleleaf boxwood SEE Buxus	camps
effects on carrots	microphylla koreana	conferences and congresses
effects on Castanea sativa	Korean pine SEE Pinus koraiensis	26577* 45561* 97678*
effects on chicory	Koreans in U S	contract
effects on Ipomoea nil	Korfia n g	86739 84606*
effects on Marsilea drummondii	Korlan SEE Ronnel	Alabama
effects on Musci	Kormilevia	Australia
effects on peas	Korsikovella n g	California
effects on Pelargonium	Korsikovella vaucheriae	Germany
effects on Pinus radiata	Kosswigianella n g	7719* 16654* 16858*
effects on Pinus resinosa	Kotchubaea	26541* 26578* 43445* 56125*
effects on Pinus strobus	Krasnozern soils	56163* 56170* 56191* 108177*
effects on plant disease	Krebs cycle SEE Citric acid cycle	Illinois
47487 99607	Kreis test	Iowa
effects on plants	Krizousacoxia femorata	Netherlands
38112 38373 18886* 19097*	Krocobella n g	45556* 56168* 56200* 64448*
27943* 38205*	Krocodona n g	66503* 76069* 86707* 97653*
effects on rice	Krocozzota n g	86767* 86779* 97665* 97671*
effects on seeds	Krombeinia	97687*
effects on soybeans	Kudzu	New York
effects on Spirodela polyrhiza	15775* 107112*	North Dakota
78501*	Kuehneromyces mutabilis	Ohio
effects on sunflowers	Kuhnia eupatorioides	South Dakota
effects on tobacco	Kulkarniella SEE Endophyllum	costs
48524 88858 27821*	Kumiss	Arkansas
effects on Tradescantia viridis	Kumquats	Europe
effects on Xanthisma texanum	Kura clover	European Economic Community
in plants	Kurodaia	Germany
in tobacco	Kuron	66504* 106426* 108207*
Kinin	Kurrajong SEE Sterculia	East Germany
effects on apples	Kurzia	India
effects on fruit	Kuwania	Indiana
effects on grapes	Kuwayama medicaginis	Malagasy Republic
58922	Kyasanur Forest disease	Netherlands
effects on plants	5112	Switzerland
effects on vegetables	Kybos	USSR
in apples	Kydia calycina	Utah
in beans	Kymography	Czechoslovakia
in coconut milk	Kynurenine	Denmark
in peaches		Ecuador
in plants		education and training
Kiritshenkella cellulosa		66775 86720
Kitchens		Czechoslovakia
51226 53998 84701*		Germany
Kjeldahl method		East Germany
106571*		45586*
Klapperichianellia n g		Great Britain
Klebsiella		Hungary
104850 62233* 62495*		Netherlands
		Poland
		Southern States

\*Text of this reference is not in English.

	Item			Item			Item	
Labor--Cont			Labor--Cont			Labor--Cont		
education and training--cont			Netherlands	76084	45760*	45818*	situation and outlook--cont	
Tennessee	86782		86738*	86780*			India	35525 35527 35529
USSR	35524	36733*	New Zealand		7730		35539	35540 35547 35551
Yugoslavia	56198		Poland	56190	27060*		35552	35557 35563 35564
energy requirements	66488*		policies and programs		26682		Indiana	45570
European Economic Community		108202*	45609	56181	86710		Indonesia	66495
France	56155	76639*	California		56183		Japan	35573 35546* 35575*
Germany	86727*	97653*	Czechoslovakia	56202	76054		35583*	56223* 86728*
Great Britain	86720	108675*	France		45562*		Louisiana	7722
history	16649	56720	Germany	56181	66523*		Michigan	7724 86746
66467*		56068	East Germany		45569*		Netherlands	45584* 45601*
Czechoslovakia	76080*	76081*	Great Plains		16639		45616*	
France		66521*	India		65167		Oklahoma	34134
Hungary		7714*	Italy		45611		Peru	56162*
India		35532	Japan		35546*		Poland	56172 86774*
Japan		35568*	Mongolia		66497		Switzerland	56215*
Southern States	56195	56279	Netherlands		56181		Tennessee	97652
Switzerland		108182*	Southern States	66469	66473		Texas	34134
hours	7730	45546*	Tennessee		86782		standards	76097 108184
Germany		56196*	productive capacity	26555	35647		Albania	76082
East Germany		76065*	44528	66475	76067		Bulgaria	66529
Netherlands	45584*	108182*	86708	108194	45613*	106268*	Czechoslovakia	26526* 56184*
Switzerland		24262*	Austria	56197	56514	45566*	Germany	
housing		43793*	Bulgaria	86701*	66609		East Germany	56174*
France		53990*	China		56193	56221	Hungary	86758
Germany	5939*	43788*	Czechoslovakia		45580*	66857*	Northern Rhodesia	108213
53997*	64630*	33887*	Germany		26559*	45579*	Southern Rhodesia	108213
Mozambique		64631*	East Germany		24039*	66857*	USSR	108190*
Poland		5940	45586*	45599*	66468*	66510*	statistics	16649 66489 86743
Washington		108183	66513*	66942*	76089*	26573*	Belgium	76090*
India	35565	86770	Hungary	56176	7717*	76061*	Europe	76088*
Italy	26553*	26637*	Indiana		45604		France	76555*
Japan	35542*	35572*	Japan	35541*	66496*	95781*	Germany	83721*
Kentucky		76085	Netherlands		45963*		Ghana	97658
Latin America		27048*	New York		16627		Hungary	86741*
legislation		56166	Poland		35581*		India	86777
Austria		45593*	Rumania		97686*		Italy	108134*
Brazil	108199*	56125*	Sudan		35952		Sweden	66498*
Germany		35620*	Sweden		66498*		Switzerland	54373*
Italy		97669*	USSR	46053	63475	7716*	Taiwan	76063
Latin America	26525*	76056	16637*	26545*	35548*	45545*	strikes	86677 45588* 76371*
management	26423	45566*	76052*	76419*	86734*	86757*	Sweden	16630*
Austria		66512	86772*	86775*	87023*	87104*	Switzerland	106195*
Bulgaria		56193	97650*	107588*	108166*	108168*	Taiwan	76064
China	108210*	66501	108190*	108201*	45561*	76047*	Tennessee	35536
Czechoslovakia	59199	66534*	USSR bloc		54048		transportation	43711
16638*	66493*	73987*	Yugoslavia		7707		Tropics	36103
Europe		56210*	recruiting and placement		66524	86731	unions	35578 76565*
Germany	7721*	16614*	66524	86731			Australia	7712
86711*	86733*	56169	requirements		66525		Brazil	26568
East Germany		7700*	Australia		7731		France	16633* 66521*
16609*	45602*	97697*	Austria		45587*		Spain	45456* 97678*
108181*	108191*	108200*	France		16610*		Turkey	66480*
Great Britain		16618	Germany	66471*	86768*		USSR	16869* 76270*
Hungary		35544*	East Germany		45619*		Venezuela	66995
Illinois		7708	Great Britain		16616		voluntary	23546 26566* 45608*
India		26535	India		26563		108208*	
Japan	35541*	35837*	mountain areas		7720*		work management	66481 66514
Netherlands	7706*	16629*	New York		66476		66516	66528 76073 86514
16634*	76065*	97667	Nigeria		86717		7703*	26557* 56213* 86713*
New Zealand		56230	North Carolina		45559		Australia	56218 108173
Poland		97663	Norway	7720*	16622*		Belgium	66470 66474 66478
Republic of South Africa		26540*	Poland		7725*		66530	
Rumania	23534*	26545*	Republic of South Africa		76097		Bulgaria	45594* 86701* 86760*
USSR	7716*	56217*	USSR	66506*	76098*		97676*	
26548*	45582*	45597*	research methods				China	108218*
73033*	103137*	108217*	statistical		76091	66502*	Czechoslovakia	35545*
migratory	7715	16615	86772*	106239*			France	35569* 66485* 97654*
16628	16651	56166	Rio Grande Basin		86742		Germany	26556* 26564* 35566*
56211	66522	66532	situation and outlook	26531	26645		66504*	76051* 108219*
California		56896	66533	67087	76094	86732	East Germany	16623* 16643*
97668	108171		86761	45606*			45552*	97657*
Colorado		87609	Arizona		76049		Great Britain	66487 66505
Connecticut	66517	86703	Austria		76057*		Hungary	16626* 26575* 45589*
France		97666*	China		56221		45598*	95754*
Hungary		7717*	Colombia		108178*		Japan	56194*
Kansas		26539	developing areas		7709		mountain areas	86760*
legislation	7729	66515	Europe		45585*		Netherlands	66535 16641*
76092		65225	France		16610*		86702*	
Michigan	56171	56203	Germany	26578*	56204*		Norway	16647*
New York		66499	33507*	67075*	103193*		Poland	86774*
policies and programs		36107	East Germany		108192*		USSR	26558*
76093	86778		Great Britain		66500		26579*	35555* 35577* 53185*
Washington		5938	Hungary		56205		76070*	76098* 86734* 86765*
mobility	26537	27032					SEE ALSO Forest labor; and UNDER specific subjects	

\*Text of this reference is not in English.



	Item	
Laboratory animals	6011	22476
31735 72542	72543	72548
91971 92975	72547*	92977*
abnormalities	3256*	104167*
anatomy and physiology		62659
31724*		
reviews		62653
bibliographies		4018
breeding	72508 82474	92976
31704*	62647*	
care	4020 52150	72551
103282 31704*	62647*	92977*
color		72507
conferences and congresses		104215
cytology		82478
diseases	4012 4688	4689
13422 32681 52815		62661
82476 82504	104171	
embryos		62659
equipment		92964
feeding and nutrition	4005	34022
34467 31724*	62650*	
genetics	72507 82474	82476
82478 82504		
research methods		31705
germ-free	41870 72527	72532
72546 92963	92972	104186
13420*		
conferences and congresses		104195
habits and behavior		72549
hibernation		22468
history		92974*
housing	62677 104216	104220
62650*		
conferences and congresses		104219
industry		82519
lactation		4019*
legislation		52150
pest control		4730
poisoning	42480 63442	92971
32575* 92953*		
records and testing		82517
restraint		92970*
surgery		104161
watering	31708	72546
SEE ALSO names of animals, anatomical parts, body fluids, diseases and other pathological conditions, operations, parasites, and pests; and SUB-HEAD as laboratory animals UNDER names of domestic animals		
Laboulbeniaceae		17875
Labridella SEE Pestalotia		
Labrosyne n g		53408
Laburnum alpinum		21643
Laburnum anagyroides		91735*
Labus		84105
Labyrinthula		68103
Lac	4676 13952 14776	32619 93983
42407 83158		
94022 105027		
Lac insects	84039 105843	105074*
biology		95224
breeding places		42407
food and host plants	105843	14724*
93938*		
hosts		105027
larvae		94024
parasites		95225
predators	73753	105025*
Laccaria		88518*
Laccaria amethystina		2227*
Laccase	10182*	89812*
Laccifer lacca 14773	14780	33268
95185		
Lacciferidae		84039
Laccophilus inagua		14581
Laccotrepes		33275*
Lace bugs SEE Tingidae		
Lachemilla		26825
Lachnidae	43159*	95243*
Lachniella costata		95243*
Lachninae	84053 4949*	43175*
Lachnosterna longipennis		14523
Laciphos		92191*
Lacquer SEE Paints and varnishes		

	Item	
Lacrimal gland		72403*
Lactalbumins	44285	44297
Lactarius	26971a	26943a*
Lactases		74524
Lactates	4354 6005	52286
20471* 39940*		
Lactenins		24800
Lactic acid		6397*
analysis and composition		8568
bacteria	6039 6376	54542*
7118 15628	24625	6393
24877 25529	44169	24798
45012 54413	54489	44292
106914 107045	12521*	74582
24864* 51458*	55449*	24338*
65006* 65040*	65051*	64959*
74636* 74941*	81692*	74634*
85135* 93293*	96412*	85084*
93097* 106804*	106805*	96446*
106807* 106808*		106806*
reviews		6309*
enzymes	54668*	54669*
fermentation		65173*
in beverages		24864*
in blood		6005
in cattle physiology		4203*
in dairy products		82187*
in fats and oils		85330*
in fish		16322
in food		26386
in food processing		6005
in poultry physiology		44743
in rabbit physiology		82543
in rumen		13612
in semen		72061
in shortenings	31124	82886
in silage		107704
in sugars		91850*
in wine	24625 34266*	97465*
64959* 74591*	74654*	44233*
85151* 96264*	96296*	85120*
manufacture		75843*
Lactic dehydrogenases	13234	32270
52297 65829	82609	62243*
72635*		
Lactobacillus	6371	43909*
dairy products		75298*
food		74763
reviews		74763
meat	64761*	84792*
Lactobacillus acidophilus		74327
15621* 24838*	16234*	55450*
Lactobacillus beijerinckii		103173
Lactobacillus bulgaricus		46485*
15621* 96597*		
Lactobacillus plantarum	15934	103254*
71632*		15628
Lactobacterin		91895*
Lactogen SEE Luteotropin		
Lactogenic hormone SEE Luteotropin		
beta-Lactoglobulin	44285 44297	
65069 65076	74786	
Lactollin		24819
Lactometers		74749*
Lactones	74992 103191	74753*
59049* 79043*		19371*
in Artemisia		8657*
in broadbeans		19404*
in fats and oils		78903
in Lathyrus tingitanus		107712*
in plants	1413 19398	78904
Lactoperoxidase		79025*
Lactoridaceae		44302*
Lactose		68434
effects on Palmae		47791
in cattle nutrition		31159*
in milk	24868 54549	65037
65159 12814*	96433*	
products		44353*
Lactuca lanceolata		67835
Lactuca sativa SEE Lettuce		
Lactuca serriola		60033
Lactuca virosa		38624*
Lactucin		38624*
Lactulose		15659
Ladders	24276	50840
Ladenbergia hexandra		59006

	Item	
Ladino clover		
anatomy and physiology		48417
38174* 68870*		
biochemistry		100341
culture		37973
cytology		9398
diseases	27049a 58117	18186*
ecology		99809
hardiness		27820
nutritive value		103529
pest control		27049a
varieties		69546
weed control		29173*
Ladybeetles; Ladybirds; Ladybugs SEE Coccinellidae		
Laelapidae		
Australia	53179 83770	94705
digestion		94739
identification		83778*
immature stages		94797*
Malagasy Republic		63857
Malaysia		53179
taxonomy		14448
Laelaps	53179	94785*
Laelaps (Echinolaelaps)		73542
Laelaps fritzumpti		94785*
Laelaps myonyssognathus		94797*
Laelaptidae SEE Laelapidae		
Laelia majalis		10729
Laelia milleri		26911a
Laelia speciosa SEE Laelia majalis		
Laeliocattleya		9411
Laemophloeus alternans		33093*
Laemophloeus raffrayi SEE Carino-phloeus raffrayi		
Laetiporus sulphureus SEE Polyporus sulphureus		
Lagenaria siceraria		651
Lagerstroemia flosreginae SEE Lagerstroemia speciosa		
Lagerstroemia speciosa		19393
Lagoons SEE Manures, care and handling equipment; and Ponds, construction		
Lagosin		65574*
Lagriidae		94910*
Laingaspis n g		53383
Lakshadia communis	95224	95225
105843		
Lakshadia mysorensis	95225	105843
Lamatia		73679*
Lamb dysentery		42171*
Lamb meat		
advertising	25895	35040
analysis and composition	82867 72876*	7122
consumer preferences	65845	65844
cooking		107690
fat	52372 82837	104733
flavor and odor	52372 55503*	7122 13697
grading and standardization		45054
marketing		45047
New Zealand		86096
Norway		86115*
prices		35082
processing	13697 35131	72897
107690		
quality	25944 93613	107639*
Sardinia		45005*
trade		36250
Iceland		8252*
Lambdina fiscellaria lugubrosa		53030
53043 64212 94456		
Lambdina fiscellaria somnaria		64212
Lambertella		734
Lambertia		36962*
Lambs		
abnormalities	93629 13710*	82829*
anatomy and physiology		13682
22770 22810	22859	32289
32299 42186	42199	42205
52423 52442	52454	52455
52492 63120	72810	82808
82818 82819	82823	104686
104697 4322*	4353*	4355*
4366* 32235*	32292*	32293*
42135* 52402*		

\*Text of this reference is not in English.

	Item			Item			Item	
Lambs--Cont			Lambs--Cont			Lancet flukes--Cont		
Australia		4450	meat production--cont			goats		62193
care 4310 13678 32172*	42223*		effects of feeding	42157	72793	sheep	32228*	82807*
Australia 4345	22863	52364	93605 93613	93615	104607	Land		8010
52487 104615			104309 104772	82778*	104598*	abandoned or idle		8014
Kansas		22866	Australia	22783	104595	8026 56691		
Scotland		52486	Great Britain		63039	Delaware		8038
Sweden		4342*	Mississippi		104600	France		79844
Tasmania		104737	Nebraska		22777	Illinois		12064
costs and returns		7907	Poland		32214*	Italy		67065*
deficiency diseases	13667	52436	USSR		104594*	Norway		67047*
72771 93696	4388*	93660*	Florida		63168	Peru		7988*
degenerative diseases		22813	France		72886*	Southern States		8016
13702* 93658*			Republic of South Africa		4445	appraisal	8043	27019
disease resistance	13691	22845	mortality	4382	4581	56704 56705		76543
diseases	13735	93642	82876 93646	93675	104643	46045*		27021*
12964* 22790*	22807*	32269*	104332			Australia	8039	8042
63101 72832*	93689*		parasites	42167	42168	56709		27020
feeding and nutrition	4344	13644	63117 72810	82796	93640	Bulgaria		108626*
13645 13648	22785	22786	104630 104703	104714	104658*	Germany		27026*
52388 63037	63044	63046	104688*			Italy		76544*
63120 72778	82780	82789	control	63065	104627	Nevada		35511
82808 82823	93618	93695	63157*		63151*	South Dakota		66461
93696 104566	104602	104617	pests	105143	63475*	Tanganyika		16607
4336* 4341*	22776*	32211*	poisoning	93629	13703*	USSR	27028*	46041*--46043*
42148* 52402*	52404*	63054*	prices		107623	76542*		45954
82790*			statistics	45095	65964	boundaries		16972
Arkansas	15309	104614	viability		72892	cadastral surveys	11941	16972
Australia 4345	7907	93612	virus diseases		52475	16989 16993		27021*
Bulgaria 63116*	63192*	104700*	weaning	4337	13667	France		87329*
deficiencies	42155	93621	63049 93612	104615	104630	Morocco		35969
104643			32172* 52400*	63038*	82781*	Niger		46023*
feedlot	13647	32209	weight and measurement		4581	Utah		16975
72793 82095	103517	104600	13637 13676	13678	33022	classification		80139
52409* 104594*			72728 72758	82847	82876	80612 87310		56709
Germany	22789*	104597*	104719 13726*	22994*	42164*	Australia		16983
Great Britain		19603	63019* 72866*	72877*	104558*	Canada		108611
Indiana 82776	82785	82786	Lamellicornia SEE Scarabaeoidea			France		87306*
82787			Lamellostreptus n g		83768*	Hawaii		108601
Nebraska		82764	Lameness			Japan		45894
New Zealand		13642	cattle	103891	22430*	mountain areas		56693
pasture and range	48723	63117	82220*			Nebraska		27017
82766 104609			dogs		82396*	New Zealand	50369	56693
Arkansas		104614	horses	3955	22447	87301		
Australia	13657	32210	52107* 62622*		22430*	Norway		35985*
93615 104595			sheep		4312	Papua and New Guinea		8015
Great Britain	32206	63039	swine	32508	83062	Taiwan		108604
93608 93617			Lamiidae	5146	23606	USSR	35993*	60485*
New Zealand	52407	104607	Lamiinae			clearing	39	11130
104621			Hungary		94826*	Australia	8045	67045
Northern Ireland		42149	India		23602	Ceylon		60299*
Pennsylvania		82772	taxonomy	83836	42962*	Morocco		49944*
Sweden		4342*	94825*			Nevada		29654
Yugoslavia		32191*	Thailand		94985*	New Zealand		5959
grading		86179	Laminaria hyperborea	89003	27611a*	clearing equipment	53762	15184*
growth	4344	4409	Laminariaceae		66308*	64490* 95890*		
13676 13678	13697	22786	Laminariales		89067	Germany		60926*
42167 52388	63044	72724	Laminarin	8941	29558	Ghana		74105
72728 82847	93588	93612	89806 89907			Italy		95889*
93617 93626	93635	93683	Laminarinase		16125	USSR	43616	53763*
104530 104563	104607	104609	Lamininitis	52630	72475	consolidation of holdings		
104580 104739	4323*	4341*	Laminisioptes cysticola	32661	94180*	Europe	66981*	108237*
4422* 22776*	42129*	42148*	Lamium		17689	France	16947*	45978*
42164* 63054*	63116*	72876*	Lamium amplexicaule	11011	49521	Germany	8000*	21124*
72877* 104571*	104700*		Lamium galeobdolon		36795*	56635*	60948*	66987*
habits and behavior		72778	Lampranthus		46825	67000*	67006*	67012*
hereditary diseases		13677	Lampromyia canariensis		33158	87289*	98034*	98042*
infectious diseases	4382	4409	Lampronia rubiella		14183	108564*		108563*
32282 104713	105143	32225*	Lampropteryx otregiata	5494	5507	East Germany		16957*
32255* 63160*	72822*	104647*	14872 33377	33396		Great Britain		56665
104669*			Lampropygia		64237*	Greece		45980
Albania		32291*	Lamprothamnium		18562*	India		26989
Bulgaria	82828*	104695*	Lamps			Italy	45956*	76473*
France		42171*	in veterinary medicine		61753*	87278* 108581*		76499*
immunization		4408	Lampyridae			Japan	60958	67020
New Zealand		104662	anatomy and physiology		5131	Kenya		87261
treatment		63163*	5132 73554	33118*		Mediterranean area		87287*
USSR	22791*	63161*	color		94907	Netherlands	8003*	16953*
losses	22804	93675	communication		53264	17058*	35962*	45973*
104643 104644	104692	104708	enzymes	63951	94847	66985*	67022*	70713*
marketing	22866	107623	habits and behavior	5131	5145	87268*	87275*	87298*
meat production	22859	32303	105674			Papua and New Guinea		56051
32311 52474	72758	82867	taxonomy	63950	83866	Spain	56642	45455*
13726* 22868*	72876*		14508*		94908	Sweden	30204*	30216*
Australia		97921	Lanatoside A	1310*	89794*	45972*	76470*	30232*
effects of breeding		63021	Lanatoside E		1310*	Switzerland		29605*
72748*			Lancet flukes			directories		36011
			cattle	41586	62193	economics	27017	35745
						97825		76486

\*Text of this reference is not in English.



Item	Item	Item	Item	Item	Item
Land--Cont	Land--Cont	Land--Cont	recreational use		
enclosure	26972		8020	16979	16998
expropriation	27019 27022		26865	27015	35974
45965 56705 108574	108576		45993	46008	46014
France	26962*		46032	46034	46035
Germany	26960*		56150	56670	56681
Italy	26976*		56691	56698	56700
legal aspects	108565*		67031	67037	67040
Norway	30205*		76518	76526	76527
Peru	7988*		86978	87302	87309
fragmentation of holdings	87256*		87316	87323	87328
Argentina	66991*		98054	98055	108261
France	56634*		Alabama		108466
Italy	7979* 7980*	16941*	Alaska		87093
76499*		67020*	Arkansas		16987
Japan		87255*	Austria		97882
Poland	35972*	87255*	Belgium		108482*
grants	27027	35964	bibliographies		98068*
history	26514	35799	California		8023
human relationships	20965	35998	Canada	8025	26992
56675 76580	67095*	108357*	26995	26999	27003
improvement	36008	80576	87324		27009
Alaska		108622	Colorado		80507
Australia		87157	conferences and congresses		45982*
bibliographies		56671*	Great Plains		27001
Bulgaria		50305	Hungary		87325*
Canada		27014	Illinois		98067
Czechoslovakia		50098	Italy		56682*
Europe		39830	Lake States		16999
France	56644*	56683*	Maine		35978
56945*		56720*	Minnesota		8025
Germany		67075*	Missouri		7686
Italy		76484*	Missouri Basin		87312
Netherlands	39830	17058*	Netherlands		98072
Poland		2568*	76521* 98071*		76519*
indemnities	27022	56513	New England States		108435
Finland		108576	New Hampshire		45768
France		87188*	New Jersey		98056
Germany	26960*	35945*	New Mexico		56677
Italy		56641*	New York		45864
Japan		26976*	North Carolina		45783
Norway		35946*	Norway		87065
inheritance	35947*	87286*	Ohio	76238	17000
legislation		35828*	86973 87307		46000
Denmark	8002*	26966*	Oregon		108409
76496*		35958*	Pennsylvania		35975
Europe		8002*	policies and programs		108586
Hawaii		76517	17002 26755 35843		45867
Illinois		108607	46012 56405 56417		56520
Japan		26867*	56784 66863 66975		67053
Norway		7992*	76356 86980 87022		87116
Venezuela		35948*	Alabama		102401
leveling	29852 64491	70301	Alaska		55364
80691 91203	91245	64349*	Canada		50883
Arkansas		60327	Great Britain		76516
Canada	20906	29866	New Jersey		98056
India		29661	Utah		56494
Louisiana	70785	80653	Western States		46007
Missouri		80482	purchase and sale	35762	76541
Morocco		49944*	76546		
Netherlands	43411	70806*	research programs		98047
Portugal		29882*	statistics		16857
Sweden		50192*	Utah		28689
Taiwan		40168*	Washington		7986
Tennessee		40137	Western States		87113
USSR	2499*	29906*	Wyoming		87179
leveling equipment	106341	106342	purchase and sale	36005	87343
24077* 64492*			Canada		35937
mineral rights	16944	16956	directories		98080
16960			Eastern States		108624
multiple use	8005 8012	8019	France		67059*
8026 16979 45988	46007		Germany	26971*	102470*
46039 67038			Great Britain		87339
Canada		45991	Italy		46047*
Lake States		16999	Kansas		8044
Tennessee		16991	legal aspects	76040	76545*
nationalization	56646	56653	98081*		
67005 67016			Louisiana		98079
policies and programs	27011 35745	35799	Michigan		35466
Alaska		76523	Netherlands		8046*
Arizona		16769	New Mexico		46044
Australia	26820	35824	Poland	36007*	108627*
Belgium		35967*	Yugoslavia	56653	56712
Canada	26828	27003			
35752 66827	87058	16830*			
Ceylon		76250			
Georgia		35983			

\*Text of this reference is not in English.

	Item			Item			Item	
Land--Cont			Land--Cont			Land--Cont		
reform--cont			settlement and colonization--cont			tenure--cont		
India	56668	98044	Latin America	76465	76467	history--cont		
Iran	76488	87251*		35930*		Great Britain	26972	35951
Italy	76261	7987*	legal aspects		56614*		76490	
76476*	76484	76689*	Malawi		87247	India		76485
108581*			Morocco		76513*	Italy		98022*
Japan	76124	76492	Mozambique		76466*	Japan	97542	35970*
35946*			Netherlands		53639*	Spain		98018*
Latin America	36083	56336	New Zealand	45951	45952	USSR	76493*	87295*
56640	76465	16950*	66970	66971	108561	Hong Kong		45454
26963*	26978*	56626*	Niger			Hungary		56659*
56629*	76474*	76494*	Nigeria	16937	26958	India	26988	35422
bibliographies			Northern Rhodesia		87247	76500		76491
legislation	76486	56630*	Pacific area	77200	78747	Iraq		45744*
Mexico	67028	16959*		87230		Ireland	7889	87263
102377*	108566*		Papua and New Guinea		56051	Israel		56391*
Morocco	98045	56645*	56249	78055		Italy	87085	56484*
Near East		17107	Paraguay		56621*	67030*		
Peru	16964*	16966*	Peru		56162*	Ivory Coast		87266
26974*	35942*	56637*	Philippines		67041	Japan	76491	7975*
80681*	86443*	87238*	Poland		35932*	35959*	87239*	87253*
98019*	98031*	98041*	Sahara		56619*	87283*		
Philippines			South America	108562	98010*	Kenya		76505
Poland		56726	Southern Rhodesia	7974	87247	Leeward Islands		66989
policies and programs		76481	Spain	45455*	56615*	legal aspects	45957	56614*
76495	87250		Sudan		7971		108565*	
Sahara		56619*	Switzerland	66974*	87232*	Austria		45976*
Sicily		56237*	Tasmania		45477	Colombia		76102*
Spain	67002*	98038*	Tropics		87332	Congo		87252*
Syria	7984	56649*	Tunisia		66972*	Ethiopia		26977*
Taiwan		108795*	Utah		87234	Great Britain		35936
Turkey		76683*	Venezuela		67088*	Italy	26964*	108577*
USSR	56625*	66977*	subdivision		67007	Netherlands		35943*
Venezuela		66993	surveys	7994	16996	Spain		16958*
67027	67029	26981*	35954	45817		Yugoslavia	56652	76482
35950*	56276*		taxation	26516	26519	legislation		35955*
bibliographies			45539	45541	56150	Belgium		66988*
Vietnam		35939*	86694	97648	108163	France		76503
rights-of-way	20975	56664	Austria			India	7995	
brush control	15222	29225	California	45540	108155*	Italy	45956*	76478*
33772	90683	101454	Connecticut	76037	48003	Poland	87255*	87256*
Germany		56641*	Germany		56137	Switzerland		7993*
Iowa		30040	history		56146*	USSR	16952*	45959*
weed control	11111	29191	Japan		26514	Malawi		87247
29269	29282	49417	Nebraska		108156*	Mexico	26773	56654*
90644		90587	New York		7699	Missouri		86614
California	29318	90598	Pakistan		35520	Morocco		56645
Delaware		29277	South Dakota		56142	mountain areas		16938
Idaho		2059	Tanganyika		66461	Nepal		26404
Massachusetts		29156	tenure	8153	35941	Netherlands		87327*
New Zealand		70174	36083	87246	98021	New York		27054
Oregon	11121	29253	108567	108583	108647	Nigeria		87240
29334	29376		98023*		66763*	Northern Rhodesia	87247	87270
settlement and colonization		56616	Africa	16967	87243	108568	87297*	
		56013*	Andes		87262**	Norway	35968*	45977*
Algeria		56619*	Argentina		86561	Panama		66990
Argentina	98014	26956*	Australia	7092	66991*	Peru	16949	87238*
associations		98022*	Brazil		66979	Poland		87292*
Australia	26868	45950	bibliographies		98020	Republic of South Africa		24579
98012	108560	54340	Canada	36046	98035*	67011	86603	
Brazil		36046	Chile		35937	research methods		
Canada	7973	26685	conferences and congresses		26967	statistical		7996
35935	45643---	45645	Congo	86597*	87242*	Rwanda		87296*
Ceylon		108690	87288*	87296*	87248*	Sarawak		7818
Colombia		7972*	Dahomey		87293*	Senegal	87245*	87294*
Europe		56622*	Denmark	45970*	76508*	Sicily		56237*
Finland	21061*	88186*	developing areas	35956	98028*	Southern Rhodesia	87247	87270
France	56617*	87231*	Europe	35963	45693*	108568	87254*	
Germany	16600*	16614*	European Economic Community		67010*	Southeastern States		56660
56618*	66976*	67003*		16939*		study and teaching		45964*
67112*	80571*	85707*	France	16962*	35767*	Sudan		35952
98042*			45438*	45978*	76253*	Sweden		26959*
Great Britain		87233	76510*		76477*	Switzerland		87272*
Greece		108658*	Georgia		16938	Tanganyika		86603
Haiti		86932	Germany	16940*	26971*	Texas		67039
history	87234	98011	56641*	67003*	67004*	Uganda		87280
Canada		45946	87264*	87279*	87284*	USSR	35638*	54342*
Germany		98013*	98027*		97551*	Venezuela		73501*
Hungary	57355	17454*	Ghana	36032	66994	Vietnam		16975
Honduras		58160	Great Britain	66984	87260	Windward Islands		35957*
Israel	45947	76151	98032		67019	Wisconsin		66989
76468			Hawaii		45966	Yugoslavia		67008
Ireland		87263	history		76477*	titles	35944	35969
Italy		56623*	China		16942*	35968*	66983*	76501*
Japan	26722*	33958*	Denmark		66980*	transfer	26975*	35971*
87235*			Germany		35966*	Germany	26975*	35971*
Kenya	19515	76505				98024*		67013*
108559		87261						

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.



Land--Cont				Land--Cont				Land--Cont			
transfer--cont				utilization--cont				zoning			
Japan	35965*	87274*		Nebraska	20985	27017		56690	40223	46030	46037
Republic of South Africa	56658			Netherlands	8035*	18994*		98074	67032	67048	76539
utilization	7672	8010	8011	45983*	56678*	87327*			108621		
8017	8029	8031	8033	Nevada		20986		Angola			35980*
8064	11435	15374	16692	New Guinea		76524		California			34290
16971	16984	16988	20965	New Jersey	60644	98056		Florida			67036
27004	35843	35982	35996	New York	27008	27054		Hawaii	46019	56679	76517
35998	36002	45957	45994	45339	46018	54966		South Dakota			76525
45995	46012	46024	46026	New Zealand	2281	8007		Switzerland			87272*
46027	46033	46034	46039	17001	45987	46021	49597	SEE ALSO UNDER Indians			
46040	46049	50375	56393	56685	108593	108610		Land contracts	8044	17005	67055
56616	56675	56690	56700	North Carolina	46015	90972		71075	76546	108093	
56704	59458	60677	60930	Northern Rhodesia		87247		Land-grant colleges		8133	17061
65793	67034	67051	76514	Norway	67047*	87311*	108618*	17478	36052	56895	67145
76538	76539	80172	87333	Ohio		98069		73915	86602	87398	108702
87335	91333	98046	98049	Oklahoma		70828	82343	conferences and congresses		76655	56766
98051	98053	98058	98059	Oregon	87331			directories		17081	76652
98065	108567	108590	108613	Peru		20988		history	56761	56810	76596
49830*	56366*	87303*		Philippines		16978*		77070	87397	8092*	
Africa	11817	49886	24407*	Poland	35976*	46011*	46025*	policies and programs			8131
46001*				56702*				8134	8523	24741	36083
Alaska	76523	108622		policies and programs		8004		36120	46113	51422	56828
Alps		108302*		8014	8024	16976	27011	67106	76626	109239	
Arizona		20954		27015	27016	35973	35977	Land plaster SEE Gypsum			
Australia	16983	29636	67045	35987	46006	46010	56701	Landscape architecture		1843	1865
80152	80177	80817	87157	67044	76528	108594	108597	1907	39198	59707	69814
108592	108593			108598	108606	108612	56676*	90435	101330	39160*	79635*
Austria			46013*	87318*				conferences and congresses			10855*
Belgium			70635*	Alaska		45996		Landscape gardening		1848	10765
bibliographies	76520	98047		Canada		50517		19951	20054	39267	39296
California		8023	45990	France	56669*	56684*	86629*	49164	59702	69810	69828
46002	67039			Great Britain	46038	108587		79556	79573	79591	79598
Canada	16992	16995	21043	108598	108602	108608		79618	101316	101321	101331
27006	27013	27018	35984	108612				101359	101362	79621*	101351*
35988	36413	64914	108477	Hawaii		46019		Alabama			59718
108611				Puerto Rico		56672		Argentina			79615*
Chile			108616*	Republic of South Africa		24579		Arizona		39184	69833
China	20950	49990	87317	research methods				Austria		20096*	101360*
108244*				statistical	8013	16970		Belgium			59700*
Colombia			87300*	35997				California			79622
Colorado	16981	20966	29660	research programs		98047		Canada	69837	69854	69913
35999				bibliographies		97555		69936	90445		
conferences and congresses	8034			reviews		8008*		Connecticut			59683
35986	70770	80693		Rumania	76534*	87334*	98066*	Czechoslovakia		39160*	39189*
Connecticut	36001	56137		108589*				Estonia			69884*
Delaware		8038		Sarawak		7618		Finland			69809*
developing areas	98062	107999		Scotland		108620		Florida			49270
Europe	43887	108314*		Southern Rhodesia	16977	87247		France			101282*
Finland	8030*	21061*		Southern States	35994	8016		Georgia			20092
France	56079*	56687*	56689*	statistics		106760		Germany	20086*	49152*	49237*
67035*	85953*	108591*		study and teaching		97680		59747*	90389*		
Georgia	16973	35983		Sweden	61157	2818*	26996*	Great Britain		10891	39285
Germany	26997*	27002*	56146*	Switzerland		11962*	11966*	49277	59741	79554	39231*
56692*	57485*	87049*	84252*	46005*	54373*			history			101324
97551*	98063*			Taiwan		76531	108604	Illinois			49231
East Germany		87314*		Tropics		588	87332	Japan	79589	101313	39313*
Great Britain	8006	67043		Tunisia			27010*	Kansas			90446
76516	98060	98061	108599	Uganda		7776	35989	Latvia			10792*
Great Plains	16974	16980		USSR	86634	76522	16986*	Lithuania		29006*	29016*
16982	16997			20907*	36004*	60696*	70421*	Michigan			10884
Haiti			86932	87322*	88959*	98050*	108623*	Minnesota			79574
Hawaii			46004	Utah	40175	60731	91221	Mississippi		20078	39290
Himalayas			98057*	98070				Missouri		101268	101269
Illinois			108605	Washington			21005	New Mexico			49161
India	7785	35422	45992	Western Samoa			70458	New York	39253	90450	90470
46022				Western States	8036	8018	8022	New Zealand		101270	101281
Indonesia			76524	Wisconsin			36000	North Carolina		20002	49250
Iowa			67046	values	36005	36008	36012	North Dakota			49194
Iraq			45744*	46049	56688	87338	87341	Northeastern States			90468
Israel	8152	98048*		91491	108631			Norway	19994*	28966*	59682*
Italy	108588*	108609*		Australia		8045	56709	59693*	59753*	69906*	
Jamaica		80204		California		46003	67039	Oklahoma			49188
Japan	25183	45989	108600	Germany		17003*	26960*	Portugal		19962*	59757*
35990*	87283*	87319*	108603*	Great Britain		87339		Republic of South Africa			101334
Lake States			56694	Illinois		8041		Rumania			28982*
Malawi			87247	Iowa		56710		South Carolina			49250
Malaysia			56674	Italy		46047*		Southeastern States			29020
Malta			36003	Japan	108600	36010*	87267*	Sweden	19942*	19986*	19987*
maps	76515	87334*		Maryland		108164		19992*	19993*	20029*	69850*
Michigan			20999	Netherlands		56708*		Switzerland		10782	56673*
Minnesota			16990	Oklahoma		87337		Taiwan			28981*
Missouri			98073	Southwestern States		27025		Tennessee			29012
Montana			27007	Sweden		108630*		Texas			75923
Morocco			76532*	Utah		27027		Tropics			79564
mountain areas			35976*	Wisconsin		67061		USSR	10780*	10839*	10840*
								20020*	69904*	79544*	
								Western States			1874

\*Text of this reference is not in English.

Item				Item				Item			
Landslides	68388	40334*	78041*	Larix decidua--Cont				Lasioseius	14454	53197	94772
80682*				ecology		78063*		Lasiosomus			73723
Langbeinite			70481	fungus diseases	99472	30415*		Lasiosphaeria			36976
Languriidae	23578	23595	42961	growth	77743*			Lasiotheus SEE Gastrotheus (Lasiotheus)			
Lanolin SEE Wool fat				introduction	50857*	71291*		Lasiurus			88379
Lantana	10990	58553	101354	morphology		61043*		Lasius alienus			73750
Lantana camara		13731	28184	propagation		47808		Lasius flavus	33337		73742
32580	49462			seeds	12133*	61169*	102774*	Lasius fuliginosus			95312*
Lantana indica			68182	sites		50857*		Lasius niger			33337
Lanthionine SEE 3,3-Thiodialanine				wood	21646	41049		Lasius umbratus group			5443
Lanurgus			43022*	yields		71291*		Laspeyresia			73816*
Laparocerus			83882*	Larix decidua polonica	30422*	61131*		Laspeyresia anaranjada			5531
Laparoscopy SEE Endoscopy				73816*				Laspeyresia funebrana SEE Grapholitha funebrana			
Laphria			43075*	Larix europea SEE Larix decidua				Laspeyresia ibeeliana			23870*
Laphygma exempta	32743		4829*	Larix gmelini	21684*	21685*	103039*	Laspeyresia ingens			5531
Laphygma exigua SEE Spodoptera exigua				105369*	105529*			Laspeyresia nigricana	14103		52846*
Laphygma frugiperda	4663		52836	Larix gmelini olgensis		95473*		Laspeyresia pomonella SEE Carpocapsa pomonella			
63532	105218*			Larix laricina	64152	94491		Laspeyresia strobilella			23377
Lapidaria margaretae			650	Larix leptolepis		40574*		Lasthenia			57630
Laportea	39519		49456	culture		68204*		Lastrea SEE Dryopteris			
Laprota			5393	fertilizers	50786*	61070*		Late blight			
Larch SEE Larix				102593*				potatoes			
Larch casebearer SEE Coleophora lari-				fungus diseases		68204*		9137	414	9004	9030
cella				morphology		68561*		18127	9138	9162	18074
Larch sawfly SEE Pristiphora erichsonii				seeds		91584		39382	27156a	37229	37319
Lard				thinning		71208		68219	47229	47369	57902
adulteration	45062*		107606*	wood		41049		77840	74145	77658	77659
analysis and composition			4505*	Larix lyalli		21646		57980*	79739	99481	57876*
63211*	86134*	107598*	107606*	Larix occidentalis		91516		Latent virus			
keeping quality			65917*	Larix olgensis SEE Larix gmelini olgen-				apples		18373	18374
packing			35078*	sis				Cucurbita			47557
processing	7208*	65917*	86237*	Larix polonica SEE Larix decidua				turnips			23222
86244*				Larix sibirica				Laterite soils	49630	70446	70473
properties	55455	86237*	93812*	anatomy and physiology		102685*		29602*			
spoilage			86180*	growth	80992	71291*		Latex			89371
statistics			35139	measurement		102506*		analysis and composition			16376
trade				pest control		105395*		26210	45273	48526	66124
Yugoslavia			67346	wood	21702*	81595*		66134	75805	86384	86405
Lardizabalaceae			36806	yields	40596*	50687*		97410	107873	7400*	58981*
Large aspen tortrix SEE Choristoneura				Larra amplipennis		53436		bibliographies			34654
conflictana				Larrea divaricata		27451a		chemistry			86384
Large milkweed bug SEE Oncopeltus				Larrea tridentata		11097		colloids			86390
fasciatus				Larrousius perniciosus		53343*		enzymes	89926	97410	58981*
Largidae			105828*	Larvaevoridae SEE Tachinidae				in Papaver somniferum			48587*
Larinae			42969*	Larvicides		42533		in plants	58961	75810	28302*
Larinus			105636*	cattle pest control		14279*		38524*	58960*		48615*
Larix	33430*	40843*	47754*	forest pest control		73069		in Strophanthus scandens			7398
anatomy and physiology	61134*	68896*	102732*	insect resistance		4772		processing		26217	86399*
culture	12105	102522	2782*	mosquito control		4737		products	7393	7397	7399
21294*	102542*			32682	94101	94163	52777*	45273	41659*		
Czechoslovakia			8709*	94145*				properties		55754	107864*
ecology		27437*	50907*	plant pest control		105062*		proteins			97413
Estonia			2722*	tests	32589*	105404*		reviews			45273
fertilizers		50795	30322*	toxicity		94015		Latex test			92446*
fungus diseases		37247	37248	Laryngoscopy	72482*	103382*	103669*	Latheticus oryzae		14501	105677
47348	37332*	37392*	57917*	Laryngotracheitis		4173	62906	Lathraea clandestina		89207*	99981*
88800*	99405*			93337*				Lathraea squamaria			20258*
growth		50907*	71158*	control	31962	82618	13544*	Lathridiidae			42967
hybrids			40677*	13577*				Lathridius bifasciatus			5212
germination			81131*	diagnosis		72626	13528*	Lathromerella			43216
injuries			61199*	prevention		82599*		Lathyrism	22641		61853*
measurement			71081*	reviews		4218	4219	Lathrophthalmus			83994
New Zealand			41049	vaccines		31962		Lathyrus	100566	28368*	100490*
pest control	40686*	63722*	83565*	virus	41981	62819	62904	Lathyrus gmelinii			58718*
pests				Lascotrichus n g			23616	Lathyrus hirsutus			58333
Denmark			23417*	Laserpitium			57558*	Lathyrus japonicus		68345	36824*
Europe			33430	Lasianthus			57507	Lathyrus maritimus SEE Lathyrus ja-			
Germany			83565*	Lasiocampidae	32892	84147	94451	ponicus			98864
Maine			53020	95433	95526	14903*	105394*	Lathyrus nissolia			93257
Poland		23870*	73816*	105988*	106054*			Lathyrus odoratus			69314
Poland seedlings		57537*	70990*	Lasiocarpine	37626	37627	37725*	biochemistry			39204
seeds	63730	50907*	61134*	Lasiocera			63910*	culture	1819	28955	39204
81131*	99405*	102736*		Lasiochernes			105548*	diseases	37152	37447	88872
shelterwood			102548*	Lasioderma serricorne			52993	pests			37152
soils	61036	12179*	30322*	biology			5171	pollen			28170
102588*				control	14244	14245	63563	varieties			39311
USSR		21361*	71346*	development			83855	Lathyrus pratensis			18889*
varieties			71258*	microorganisms			63939*	Lathyrus sativus	71629		101027*
wood	21639	21652	71587	nutrition		5188	33102	Lathyrus sylvestris			39548
23407*	40843*	61366*	81524*	populations		5174	83855	Lathyrus tingitanus		48606	78904
103067*				Lasiodiscus			67830*	79027			
Larix dahurica SEE Larix gmelini				Lasioglossum forbesii			42413	Latosol soils	2271	11351	48030
Larix decidua				Lasioglossum zephyrum	95282		95327	Latouria			10845
anatomy and physiology			38451*	Lasiohelea sibirica			64005*	Latrodectus			42529
61169*				Lasiopogon			77372	Latrodectus mactans			4764
breeding			30415*	Lasioptera			83968*				

\*Text of this reference is not in English.



Item				Item				Item			
<i>Latrodectus tredecimguttatus</i>	105560			Leadership--Cont				Leaf spot--Cont			
23176* 83217* 94714*				education and training--cont				Lobelia	27247a		
Laufeia	95348*			Germany				onions	9096		
Laumontite	101689			East Germany	98201*			peanuts	88689		
Launaea asplenifolia	58229			Latin America	36132*	87532		Poa	99473		
Lauraceae	8691*	9504	88410	Maryland	67207			potatoes	99519		
57453*				Thailand	27124			Prunus amygdalus	57871		
Lauraceae oil	35163			Florida	108760			spinach	57871		
Laurencia	46955			Idaho	108763			sugar beets	10536	10538	
Lauric acid	31957*	107253		India	108718	56901	98188	tomatoes	99297		
Laurus nobilis	90946*	28397*	47330*	Latin America	36128*		36129*	Leafcutting bees SEE Megachilidae			
99430* 101601*				36133*				Leafhoppers	4811		
Lavandin	86311			Massachusetts	108761			age	14144		
Lavandula	79885*			Mississippi	56902			anatomy and physiology	105816*		
culture	70227*	20342*	40335*	Switzerland	56903*			and plant disease	32790		
101623*				Tennessee	56902			94310 105034 105222	105223		
honey plant	79875*	79872*		Virginia	67204			94405* 94406*			
morphology	78179*	18599*		Washington	87531			California	94282		
yields	101623*			Wisconsin	67206			Canada	83384		
Lavandula angustifolia	94285*			Leaf alcohol SEE 3-Hexen-1-ol				France	52963*		
Lavandula officinalis	39590*			Leaf beetles SEE Chrysomelidae				Germany			
Lavandula spica SEE Lavandula officinalis				Leaf blight				East Germany	105309*		
Lavender SEE Lavandula				corn	47317	68235		Andorra	95219*		
Lavender oil	86311 55617*	86294*		rice	18253*	18263*		Asia	95179*		
Laverania SEE Plasmodium				sorghum	18137			as pests	14102 42705	14148*	
Lawns				Leaf blotch				biology	5412*	105188*	
Africa	28990			oats	9009			Brazil	73267*		
Australia	2054			potatoes	99328			control	14143 42664	52884*	
care	49185 49244 49245	49185 49244 49245		Leaf curl				52963*			
79575 90246 90398				cotton	88881			enzymes	105812		
Arkansas	101274*			sesame	47544			food and host plants	53380	64097	
Canada	28950			tobacco	9237			73715 43182*			
Great Britain	101307			tomatoes	47525			geographic distribution	95179*		
Israel	79547*			Leaf miners				Great Britain	53380	73700	
Montana	90427			anatomy and physiology	53453*			95215			
New Hampshire	39210			Australia	42778			host plant relations	14145		
Norway	90441*			Brazil	5169			host plant resistance	105220		
Ohio	69911 90392			control	23270 57938	83402		India	95226		
Sweden	49216*			4838* 32771*	83322*			Iraq	43158		
USSR	10864*			food and host plants	42702*			life history	42664		
Vermont	90747			France	95492*			migration	64126		
diseases	8935 68004 68005			Great Britain	73661			mortality	105821		
equipment	5743* 5779*			Italy	42690 94455	4838*		Nearctic Region	84038		
fertilizers	50176 91165*			53361*				Neotropical Region	14743 73713		
fungus diseases	428 77770			Kenya	105948			95175			
nematodes	27375a			mortality	64199*			North America	53386		
pest control	4880 42725 52980			parasites	23270 64147	83402		nutrition	105821		
73281 73288 83492				95295*				Paleartic Region	95179*		
pests	4881 14210 14220			taxonomy	53329*			Philippines	95226		
73775				Leaf mold				rearing and breeding	33470		
planting	10805 49246 69928			tomatoes	37195 68133			taxonomy	64088 95172---95174		
59765*				Leaf mottle				95210 95211 105034			
weed control	29239			sunflowers	58442			types	95180*		
Alaska	39498			Leaf roll				Western Hemisphere	23757 33264		
Australia	2051			cherries	77889			Leafy gall			
chemical	29182 49506 101495			grapes	68277			Dahlia	9180		
101483 59923*				potatoes	9212 9230	14097		ornamental plants	9182		
Illinois	59922			14136 18302 18323	18347			Leafy spurge SEE Euphorbia esula			
Middle Western States	49502			23222 27308a 32741	32784			Leandra	88345		
North Dakota	49465			32793 52904 70019	77618			Leases	45466 56078	56408	
Vermont	90747			88875 94276 99610	99633			Canada	35938		
Lawson falsecypress SEE Chamaecypariss lawsoniana				99668 14133* 47495*	47516*			European Economic Community	56667*		
Layering SEE SUBHEAD propagation, by layering UNDER Plants and names and classes of plants				88876*				France	67059*		
Lead				tomatoes	27050a			Germany	16955* 45974*		
effects on <i>Agrostis tenuis</i>	47644			Leaf roller moths SEE Tortricidae				Illinois	67017		
in entomological research	73763			Leaf rot				Italy	87271* 98025*		
in fruit juices and sirups	34714*			Dianthus caryophyllus	47238			legal aspects	45847		
in plants	84813*			Leaf rust				Germany	66986*		
in rice	65745*			coffee	27126a 57982	88711		Great Britain	76044 108573		
in sheep physiology	42186			wheat	782 847	37207		Italy	26980* 45958*	108572*	
in soils	70277*			47911 77799 78312				108579*			
in tea	44241			Leaf scorch				Netherlands	76489* 108570*		
toxicity	3888 3909 62242			Lilium longiflorum	38082			legislation	16961* 56633*	76471*	
83039 103709				pears	83395			87272*			
Lead acetate	42186 96274*			Leaf spot				Michigan	45967 56465	66997	
Lead arsenate	14196 73329 100390			alfalfa	47191			87259			
23344* 75275* 99454*	103095*			apples	19815* 27074a	57871		Northern Rhodesia	87270		
Lead tetracetate	61570			Areca cathecu	77661			South Dakota	76475		
Leadership	27123 46233 46234			bananas SEE Sigatoka, bananas	47267	355		Southern Rhodesia	87270		
87530 98138 36131*				beans	27133a			Yugoslavia	56646 56712	56713	
directories	36134			celery	47267			SEE ALSO SUBHEAD leasing UNDER			
education and training	87529			chickpeas	27137a			Livestock; Ranges			
67202 67203 86808 108762				coffee	37304			Leather			
98120*				currants	27112a			analysis and composition	25872		
				Cynodon dactylon	68129			associations	97060*		
				Dioscorea	47284			chemistry	25983		
				lettuce	47442			conferences and congresses	86210		

\*Text of this reference is not in English.

	Item			Item			Item	
Leather--Cont			Legislation--Cont			Legumes--Cont		
defects	86181		Finland		75981*	effects on soils	20753	29688
deterioration	97126		France	16736*	97738*	39734	50175	70506
directories	65826		history	26603*	26643*	80447	70544*	
lubrication	55539*		Italy	35620*	96098*	equipment		24083*
conferences and congresses	25954		Japan	35500*	86893*	feed	3501	12474
microorganisms	96734		mountain areas	16682*	86892*	21791	42261*	51421*
conferences and congresses	97091		Netherlands		108315*	82911*	84529*	107074*
reviews	97170		Spain		16660*	fertilizers	2368	48924
processing	25983		Switzerland		86892*	Germany		58704*
properties	25855	25872	USSR	35437*	76163*	India		20753
75568	75621	86128*	Legs	81816*	81824*	Italy		91075*
quality			Acarina		94712	USSR	2434*	29780*
situation and outlook	16194		Aedes aegypti		5367	70586*		
study and teaching	107672		Allocaeculus catalanus		94696*	forage plant		10419*
trade	76811		arthropods		63808*	19675*	29780*	54710*
types	7167	75624	Blaberus craniifer		23939*	107074*		
7223*	55518*	107584*	Bombyx mori		83711*	fungus diseases		12978
waste	11486*	70889*	cats	72439	82381	27145*		88715
93771*			31598*		3912*	genetics		27689*
waterproofing	16243	97162	cattle	103905	3393*	germination	18847	78959
SEE ALSO Tanning			21995*	22263*	62251*	68908*	69120*	78884*
Leaves			62355*	92496*	92579*	grading and standardization		75408*
analysis and composition	1434		dogs	13235	13249	harvesting date		48769*
27971	28135	78425	31630	52011	52054	harvesting equipment	5755*	5785*
88691*			92696	92714	104032	15164*	74076*	
anatomy and physiology	999		13310*	30866*	31598*	hay		100967
9893	9949	17521	104044*			India	28497	85884
28135	38138	38217	goats		4399*	injuries		17941
48363	48459	48474	horses	72483	92924	inoculation	2192	2229
58763	68783	69101	104115	104116	104141--	39778	55787	70408
89376	89452	89633	3960*	3972*		101789	2245*	29551*
99735	18991*	19040*	Lepidoptera		14337*	70383*	70397*	80113*
38220*	38321*	48333*	Leucophaea maderae		43324	90920*	101804*	
48410*	58893*	58920*	Limnephilus		33514	marketing		28484*
88134*	89163*		mice		105087	morphology		99959
biochemistry	1434	19268	mites		23554	nitrogen fixation	39767	60218
19279	19347	38512	Papilio demoleus		5549	29537*	29575*	39779*
69302	1336*	1362*	pheasants		104334	90902*	90931*	90934*
29532*	59025*	69269*	poultry	4041	22608	nutritional deficiencies		9651
color			42048	82646	104371	nutritive value	55006	12520*
enzymes			62869*	62935*	93313*	31225*	36377*	
morphology	68474	26770*	quail		22486	pest control	32787	8964*
78180*			Sarcophaga bullata	33142	63996	94305*		73191*
proteins	34158	61637*	Schistocerca gregaria		95583	pests		4798
Lebaycid SEE Fenthion			Scolopocryptops sexspinosus		73523	planting	48871	48906
Lebia	23582*	63910*	sheep		32296*	59360		
Lebiidae SEE Carabidae			swine	93886	13877*	planting date		48769*
Lebiinae			Trichopterna cito		53178*	planting equipment	53718	5749*
Lecaniidae SEE Coccidae			turkeys		13510	processing	6928	28484*
Lecanium	23742	43161	Legumes			propagation		90169*
Lecanium corni	33344*	99102*	acreage and area		7870*	proteins	28243	36377*
Lecanium persicae goidanichi		95204	analysis and composition		2368	60228*	78781*	
Lecanium pomeranicum	23742	105329	55006	74321	54996*	regulation and inspection		94438
Lecanium prunastri		43179*	anatomy and physiology		19240	seeds	69256	101789
Lecanium slavum		43161	28243	38039*	48117*	70342*	97436*	107878*
Lecanora		37001	58704*	78497*	78563*	certified		48754
Lecanora follmannii		17895*	99977*			harvesting		1583*
Lecanora radiosa		28331*	Australia		38830	Netherlands		87633*
Lecanora subfuscata		78152*	biochemistry		19302	pest control		94305*
Lechriolepis		14903*	48536	69204	69256	treatment	18847	89549*
Lechyti		23556	breeding	90065	27689*	USSR	7429*	28477*
Lecidea		17881	28672*			viability		37991*
Lecidea elaeochroma		47762*	consumption		28484*	soils	20781	48871
Lecidea kochiana		38564*	costs and returns		76410	100800	11206*	19675*
Lecithin	9725	81985	culture			70359*		50113*
105644	7290*	45083*	Argentina		19614*	starches		15927*
97247*			Australia	90038	100800	storage	74321	94438
Lectin			Brazil		48897*	Turkey		65774
Ledum			China	89991*	90023*	USSR		26866a*
Leeks			Czechoslovakia		69366*	varieties	1597	19356
biochemistry	38620*	89804*	Florida	1597	69409	Indiana		69521
culture	79686	20104*	Great Plains			Netherlands		100769*
29111*	29130*	90490*	reviews		59320	Tropics		10430
fungus diseases	9174*	37256*	India	80419	101797	USSR	28672*	31225*
47361*			Latvia		19558*	virus diseases		79271*
germination		89554	Malaysia		20645	vitamins	37479*	105186*
harvesting		10963*	Netherlands	28484*	28516*	weed control	29204	29335
pest control		63570*	28517*			29385	90659	101544
varieties		59892	Poland		69384*	yields	2368	48924
Leeuwenhoekiiidae	14491	63856*	Republic of South Africa		100967	Indiana		69521
Legislation	54192	76125	Rumania		78535*	Japan		38834*
76674	108345	76136	USSR	1599*	1623*	Latvia		19558*
bibliographies	7734	66721	48874*	59245*	69401*	Northeastern States		48906
7755*			89638*	90054*		USSR	2434*	29780*
Canada		26610	cytology		99872	Leguminosae		90165*
Denmark	7736*	108224*	diseases	8964*	27057a*	Alaska		27520a
European Economic Community		16751*	drying equipment		64505*	anatomy and physiology		38315
			84529*		78058*	68809	1033*	

\*Text of this reference is not in English.



Item				Item				Item			
Leguminosae -- Cont				Lemons -- Cont				Lepidoptera -- Cont			
Australia			38545	physiological diseases			48189	Belgium	105983*	105999*	
biochemistry	1317		10233	100136	27850*			Bellona Island		105936	
38545	78964			prices			34776	bibliographies	23816	84156	
culture	19642	20613	20701	Procida			96771*	84157	84158	95372	105917
cytology		27520a	58270*	products			6766	84116*			
forage plant			71617*	propagation	34710*		79460*	biochemistry	14884	33431*	73825*
fungus diseases			67935	quality			85797	biology			73265*
harvesting equipment			5805*	Spain			96777*	California			95412
morphology			18571	spraying and dusting	9719		2415*	Canada	32892	105394	
nematodes			88939	statistics			96924	Canary Islands		23892*	
North Carolina			26910a	storage			34805	China		95487*	
pollen			58300	varieties	59520	85797	68972*	collecting	23864	23865	95382
proteins			69205	101159*				95448			
seeds	18571	68693	69205	waste			6852	Belgium		95441*	
47803*				Lens SEE Lentils				Canada		64177	
soils		2450	91181	Lentibulariaceae			17798	Europe		73794	
taxonomy	91	26910a	88350	Lentils			78385	France		43253	
Utah			77423	anatomy and physiology	28365		68782*	Germany	5533*	105970*	
Leiobunum rotundum			83800	78663*	89559*			Great Britain	5527	5536	
Leioididae	63932*	83863*	94879*	biochemistry	19385*	28305*		5548	14872	14877	23907
Leiomyoma	62611	104054	63339*	28365*	79032*			33368	43287	43295	53471
Leiopitilus			105928*	culture	90499	89968*		73800	73805	73811	95402
Leioseius			53197	cytology		78199		Ireland		43273	53503
Leis axyridis	105650*	105651*		statistics		25540		Isle of Wight			95415
Leishmania	32678	42521*		varieties		90578*		Netherlands			95478*
Leishmania brasiliensis	32684	32699		Lentinellus cochleatus		8887*		Rumania			33410*
Leishmania donovani	4718	105104*		Lentinus edodes		100258*		Scotland			53482
Leishmania tropica			63483	Lentinus lepideus		40857		collecting equipment			33372
Leishmaniasis	4720*	4721*	32656*	Lenzites abietina	12263*	12287*		collections	43254	95427	
52779*	63480*			Lenzites trabea	27533a	102907		Austria		23825*	
dogs	23144*	31627*	62479*	Leocillin SEE Benzylpenicillin-beta-				Canada		95510	
62514*				diethylamino ester hydroiodide				Germany	23822*	23823*	
hamsters			32699	Leonhardtite SEE Laumontite				Great Britain		84126	
man	4718	4720	23175	Leonodromus SEE Galendromus (Leono-				New York		95404	
63483				dromus)				color	5523	14899	43303
transmission	23144*	42521*		Leonotis leonurus		79040		73840	105990	64185*	64218*
63503*				Leonotis nepetaefolia		95084		Comoro Islands			64237*
reviews			83224	Leontice ewersmannii		89843*		Connecticut			5526
Leiurus quinquestriatus	5061	73505		Leontice leontopetalum		37798*		control	57938	32595*	105289*
106084				Leontopodium alpinum		37726*		biological		4850	14277
Lejeuneaceae	36954	99021	99001*	Leopard moth SEE Zeuzera pyrina				42445	63579	93972	105384
Lejosphaerella phoenicis			9095*	Leotiz		57727*		4855*	14254*	94303*	94306*
Leleupia n g			73748*	Lepargochloa n g		88338		chemical			83398*
Lema melanopa SEE Oulema melanopa				Lepechiniella	26830a*	57530*		natural	14261	52936	
Lemnaireocereus thurberi			48249	Lepialtica n g		14562*		Crete	23895*	105967*	
Lemanea	8815	88483*		Lepicolea		8786*		cytology	33423*	53097*	
Lemna gibba	19207	9836*	89516*	Lepidargyrus n g		5411*		Denmark	95534*	105985*	
Lemna minor	9687	10137	27856	Lepidiota frenchi		4830		diapause	64212	73808*	73845*
62768*				Lepidiota mungomeryi	5213	83822		disease resistance			106057*
Lemna paucicostata			9467	Lepidium		38166*		diseases	32975	53493	64212
Lemna perpusilla			9687	Lepidium graminifolium		19305		93972	95505	105923	105938
Lemnaceae	9467	88319	89361	Lepidium meyenii		90765		14866*	104991*		
100526	89394*			Lepidium sativum	19405	9883*		eggs	32983	53470	84174
Lemon juice	54979	55620	57802	47948*	48254*	58254*		95496	83681*	95515*	95554*
25367*				Lepidochrysops ortygia group		43300		105956*			
Lemon oil	16291	55602	57802	Lepidocyrtinus		33507		Europe		95523*	
Lemon seed oil			66002	Lepidocyrtus		5628		feeding habits		14400	
Lemonade			85797	Lepidocyrtus paradoxus		43384		flight		53508*	
Lemongrass SEE Cymbopogon citratus				Lepidolaena		37694		Florida		95506	
Lemongrass oil			97234*	Lepidolejeunea n g		99021		food and host plants	5518	5548	
Lemonia dumi			95454*	Lepidoptera		73796		5554	73837	94464	95506
Lemonniera			223	abnormalities		5550*		105394	43265*	53329*	95438*
Lemons				Africa	95484	105930	105952	France	14879*	105928*	
analysis and composition	15924			105954	5544*	14875*	43277*	geographic distribution		5531	
57802	34710*			84149*	105935*	105963*	105964*	14895*	42587*	43259*	95473*
anatomy and physiology	9719			105988*				Germany	106002	5533*	64205*
28173	48033	78520	78521	Albania	84136*	84171*		95431*	105995*		
89143	9700*	38331*	68972*	Alps		23881*		East Germany	33393	53480*	
biochemistry	10214	59050*		anatomy and physiology		5549		Great Britain	5488	5490	
breeding	49061*	101159*		23866	23876	33357	64226	5499	5553	14857	14876
contamination	55075	55078		64227	73840	95518	23859*	14888	14897	14898	23833
cooking		75492		43294*	64187*	73265*	84153*	33373	43251	43282	43296
cooperatives		15978		and disease		42496		43304	43305	53474	53507
costs and returns		45889		as pests		42374*		73785	73786	73799	73802
culture	19787	1737*	10627*	British Guiana		14119		73813	73814	84133	95368
88620*				Bulgaria		42424*		95401	95423	105979	
diseases	57802	99440	1737*	history		23092		habits and behavior	5495	5537	
dwarf			19792*	India		23841		5552	73809	73838	23859*
fertilizers	60407	2415*	32815*	Iraq		4854		105944*			
genetics			37844*	Italy	42702*	83437*		hearing		64236	
hybrids	19792*	49061*		Ivory Coast		105277*		Hiddensee		5559*	
irrigation		60581*		Japan	43288*	83564*		host plant relations	14885	64188	
morphology		37667*		United Arab Republic		23900		Hungary		95408*	
nutritional deficiencies		100194		Australia	43249	43268	73314	hybridization		5563*	
packing	34805	107317		84128				identification	5514	14900*	
peel	6852	65435		Austria	23851*	23852*	23853*	105985*			
pest control		32815*		23858*				illustrations		95430	

\*Text of this reference is not in English.

	Item			Item			Item	
Lepidoptera--Cont			Lepidoptera--Cont			Leptodiridae		14569*
immature stages	5516	64186	pupae	5537	43283	14337*	Leptodiscus terrestris	47193
64211			73845*	105939*		14860	Leptogaster	23656
Iran		106036	quarantine			14860	Leptogaster salvia	5286
Ireland		43308	rearing and breeding	33377	33394	17911	Leptogium	17911
Israel		83353	64178	64241	73842	95424*	Leptoglossis	17786
Italy		95529*	106057*				Leptoglossus gonagra	83410*
Japan	73818	95504	Rennell Island		105936		Leptohylemyia coarctata	SEE Hylemyia
larvae	5514	5537	Rhodes		23817*		coarctata	
14868	42496	57938	Rum		5562	Leptolamina n g	73783	84112
105977*			Scilly Islands		5539	Leptomastix		14182
anatomy and physiology		14361	Scotland		5540	Leptomastix dactylopii		95329
23845	64209	73858	Shetland Islands		5523	Leptomonas		32656*
14883*	84118*	84194*	Spain	105913*-	105915*	Leptopeltaceae		99053*
Australia		95447*	stratification		43280*	Leptopharsa		95183
color	33378	64208	surveys		73809	Leptophyes punctatissima		5588
53483*			Sweden		95490*	Leptophyllopsis n g		36955
control	73224	23291*	taxonomy	5492	5514	Leptopilina		73741*
biological		32821	43255	43278	64232	Leptopimpla n g		23812
73121	105022*	52836	84117	95414	95416	Leptoporus		88546
cultural		23188	95507	95508	95514	Leptorhabdos parviflora		58967*
natural		14140	105982	5524*	23879*	Leptoscyphus		88441*
tests		23251	43285*	53329*	105955*	Leptospermum		1859
development	14851	14337*	106058*			Leptospermum ericoides		11067
105956*			Tibet		95466*	Leptospermum scoparium		1888
Florida		105098	Tunisia		105946*	11067	20229	
food and host plants		73116	Turkey		14874	Leptosphaeria	8853	58284*
Great Britain	53462	95430	types	5496	5508	Leptosphaeria coniothyrium		14199*
habits and behavior		94464	USSR		43298	Leptosphaeria discors		57748
105993*			Vancouver Island		95433	Leptosphaeria maculans		99126
identification	14860	14864	variation		23855*	Leptosphaeria michotii		1032*
Poland		52889*	viruses	53481	106057*	Leptosphaeria nodorum	SEE Septoria	
Republic of South Africa		95553	weight and measurement		14883*	nodorum		
life history	5516	95389	43242*	95438*		Leptosphaerulina		99466
95553	14907*	95390	West Indies	95393	95416	Leptosphaerulina briosiana		77834
Louisiana	23854	106037	Western Hemisphere	5503	64183	Leptospora	12569	21911
Malagasy Republic	5560*	14903*	SEE ALSO Butterflies; Caterpillars;			103324	103343	72212*
64237*			Clothes moths; Cutworms; Macro-			Leptospora ballum		63076*
Malaysia		105958	lepidoptera; Microlepidoptera; Moths			Leptospora canicola	63292	22941*
Marra Mountains		95435*	Lepidotriura n g	33502*	94886*	Leptospora grippotyphosa		62660
metabolism		33432	Lepidozia	8787	17831	22175*		
metamorphosis		14337*	Lepiota	222	99671	Leptospora hardjo	41674	62393
Mexico		95432	Lepiota micropholis		46997*	103846		
migration			Lepisma saccharina		14974	Leptospora hyos	22986*	93813*
Austria		23878*	Lepismatidae	53003	73907	22330	41867	22986*
China		105978*	Leprosy		72401	Leptospora pomona	72287	93833
Finland		23861*	Leptaden		41642	103749	3954*	22987*
Germany	64190*	84141*	Leptarciella		14769*	Leptospora sejroe		52113*
Great Britain	33434	43240	Lepthyphantes		53188	Leptospirosis		12642*
84134			Leptidae SEE Rhagionidae			Brazil		81807*
Kenya		33371	Leptidea		53514	buffaloes		31351*
Netherlands	33415*	33426*	Leptilla n g		14595	cats	72387	92724
mimicry	23896	94464	Leptinotarsa decemlineata		37133	cattle	13176	62208
molting		95454*	anatomy and physiology		43031	72287	81725	103717
mortality		64206	73605	94989	83365*	22175*	72212*	103796*
mountain areas		23904*	105662*			Australia		72213
names		14865	control	105158	4794*	Canada		103846
Nearctic Region		95501	73221*	83386*	105150*	diagnosis	12972*	93897*
Neotropical Region	23883	64186	Austria		63541*	104145*		
Netherlands	33355*	95463*	biological		63593*	Israel		3526
New York	5515	105989	chemical	32778*	73201*	New York		103749
nomenclature	14849	33364	105235*			Pennsylvania		82163
33398	64214	73481	Czechoslovakia	63538	32751*	resistance	41645	41674
73829	73834	73846	Italy		42566	71687*		
North America	5555	14886	Poland	52874*	105234*	Rumania		72184*
95440			USSR		83290*	Sicily		31297*
nutrition	14868	14848*	diapause		63967*	Switzerland		62375*
Oregon		95399	diseases		105652*	USSR		62161*
outbreaks	23392*	42587*	ecology	83377*	105662*	dogs	72404	31545*
105380*			larvae		73221*	Austria		3820*
overwintering	23911	43281	metabolism		73605	Brazil		22330*
105993*			outbreaks	83365*	83377*	diagnosis	31567	3791*
oviposition		23887*	overwintering	63967*	83902*	Japan		3913
Pacific area		95556	predators	83331*	84041*	treatment		3875
Palaearctic Region	105953	23826*	surveys	63544	105153*	Germany		71803*
73844*	106022*		Leptinus testaceus		14564*	East Germany		63141
parasites	14838	43275	Leptobarbula		57677*	goats	62660	3105
73858	95070	95558	Leptocera	33188	105759	Guatemala		52148
5096*	14907*	64150*	Leptocera zoosterae		73620*	guinea pigs	41867	62660
73311*	84013*	95342*	Leptoceridae		53574	hamsters		32444*
Poland		84176*	Leptocerinae		106130	horses	81725	3954*
populations	5530	14850	Leptocromyia n g		84013*	52113*	71687*	104145*
64223	105972	23887*	Leptocerus		106130	Illinois		41300
84167*			Leptochloa		77330	Israel		21830
predators		53466	Leptoconops yunhsienensis		95114*	man		51544*
preserving	64208	105992	Leptocoris trivittatus	32918	73705	mice		52148
105931*	105932*	64181*	95249			Netherlands		21834*
protective devices		5545*	Leptocorixa		33249			

\*Text of this reference is not in English.



Item				Item				Item			
Leptospirosis--Cont				Lethal factor--Cont				Lettuce--Cont			
poultry			4220	dogs			13219	virus diseases--cont			
rabbits			72709*	Drosophila		5243	53313	France			57869*
rats			92954*	Drosophila melanogaster			5228	Germany			37472*
sheep	63141	32279*	63076*	14676	14689	33179	53319	Italy			77895*
swine	81725	82997	93833	53320	53333	64014	64015	weed control	11039		70065
	4464*	13755*	32444*	64039	83977	105740	105756	90667	11004*	20224*	
93837*				105722*	105765*	105783*		Leucadendron argenteum			88713
Brazil	22941*	22986*	22987*	Drosophila virilis		5256	23690	Leucaena glauca			38335
71687*				Drosophila willistoni			14690*	biochemistry	48559	48560	59010
Bulgaria			32511*	insects			14514	products		30676	72655
diagnosis	93897*	104145*		reviews			105540	seeds			48560
immunization	93828	104816*		Nasonia			14828	toxicity		52435	98886
Ireland			63292	Tribolium castaneum			63974	Leucaena glauca leaf meal			15771
Italy			104874*	Lethocerus griseus			33274	Leucaena leucocephala			98886
Netherlands			93813*	Lethocerus indicus			84036	Leucania		95430	33356*
Portugal			83042*	Lethocerus niloticus			95165	Leucania separata SEE Pseudaletia			
resistance			32445*	Lethocerus persicus			53412	separata			
Rumania			72184*	Lethocerus uhleri			33274	Leucania unipuncta SEE Pseudaletia			
treatment			63263*	Leto staceyi			23862	unipuncta			
USSR		62161*	104863*	Letter writing	87493		56790*	Leucaspis japonica			83419*
Taiwan			31042	Lettuce				Leucaspis pini			64081*
transmission	30999	41322*	62161*	anatomy and physiology	1276		38231	Leucine			22547
USSR			103323*	48471	58587	58603	58627	Leucine aminopeptidase	105729		3216*
United Arab Republic			51477	58681	89484	89660	18812*	31547*	41599*		
vaccines			62660	19126*	28250*	38229*	58886*	Leucinocrambus n g			64237*
wildlife	82163	103324	41322*	bacterial diseases			47442	Leucinodes elegantalis			105151
Leptostromaceae			99056*	biochemistry			28325	Leucoanthocyanins	44601		89946
Leptothereva n g			95082*	costs and returns			16930	15560*			
Leptothorax			10590*	culture		59908*	90580*	Leucobryaceae			88440
Leptothorax muscorum			14786	Australia			10955	Leucocoprinus chryseus			47036*
Leptothorax nigrescens			84099*	Belgium		29026*	101383*	Leucocytes	61697	30857*	51483*
Leptothorax nylanderii			43221*	Czechoslovakia			1991*	51591*	91956*		
Leptothyrium pomi	9099		77768	France			60315*	cats	22357	52048	104036
Leptotrichila			37256*	Great Britain			1930	cattle	3597	2647	12958
Leptotrombidium			63902*	58587				13040	13108	13163	21986
Leptotrombidium akamushi			4723	Hungary			59828*	21987	31387	31482	41616
5083	5089			Japan			90560*	41618	41678	71927	103630
Leptotrombidium delienseis			4723	Mississippi			39328	103750	3527*	3708*	3721*
5083				Netherlands		1941*	10968*	3722*	13137*	62165*	82224*
Leptotrombidium (Lorillatum) n sgen			23565	18812*	29030*	101437*	101438*	dogs	3811	52026*	92750*
Leptotrombidium mastigophorum			23565	Northern Ireland			101427	104045*			
Leptotyphlinae	23597*		94838*	Norway			58886*	horses		82446	104036
Leptotyphlus			23597*	Peru			101377	in milk			65080
Lepturus			36823*	diseases		59894	68010	mice			72522*
Leptusa liebmanni			83857*	fertilizers	1276	2383*	50025*	poultry			104461
Leptusa (Pachygluta)			83857*	60315*	60368*	70565*		rabbits	4138	13537	93546*
Lepyrodia	17705		18504	fungus diseases		27127a	28161	sheep	63007*	82710*	93546*
Lepyrus palustris			105683*	37244	58784	88820		swine	72880	4366*	32243*
Leschenaultia			88304	Belgium			88835*	13867*	52634	104935	4587*
Lespedeza	493	46838	58546	France			57869*	Leucocytozoon caulleryi			13555
83329	101011			Netherlands			37381*	22653	82580	94115	
Lespedeza cuneata			777	germination	1027	27963	28325	Leucocytozoon disease		22653	41997*
Lespedeza hirta			36792	38615	68892	927*	48339*	93257*			
Lespedeza sericea SEE Lespedeza				58756*				Ceylon			13555
cuneata				harvesting	20209	64466	101417	Far East			94115
Lespedeza stipulacea			79291	90581*				prevention	82580		93347*
Lespedeza striata			79291	labor			20209	Leucojum vernum			89525*
Lespesia*			23637	male-sterile			37898	Leucoloma			17839*
Lesquerella oil			97195	marketing		34745*	90581*	Leucoma salicis SEE Stilpnolia salicis			
Lesser clover leaf weevil SEE Hypera				morphology			58209	Leucomycin		22139*	31312*
nigrirostris				packing	20209	34756	107316	Leuconostoc			15617*
Lesser cornstalk borer SEE Elasmopalpus lignosellus				pest control		68010	42571*	Leuconostoc citrovorum		24845	65040*
Lesser grain borer SEE Rhyzopertha dominica				physiological diseases		58672		Leuconostoc mesembrioides			23464*
Lesser peach tree borer SEE Synanthedon pictipes				58784	58817*			Leucophaea maderae		33475	43324
Lesser wax moth SEE Achroia grisella				planting				73857	64249*		
Lessingia			46912	prices	6846*	17152*	27221*	Leucopholis			94861*
Lestes barbarus			95597*	quality			34756	Leucopsis morgei			5321
Lesteva			43005*	seeds	7406	10202	59828*	Leucopogon melaleucoides			9463
Lestica			14815*	storage	6893	34756	38231	Leucoptera			105948
Lestodiplosis			14657	trade				Leucoptera coffeella		42680*	63620*
Lestomerus			73732*	European Economic Community			6846*	105257*	105269*	105279*	
Lestonia haustorifera			84034	Netherlands			17152*	Leucoptera meyricki		4872	83402
Lestoniidae			84034	Spain			17152*	Leucopterin			14894*
Lestremia cinerea			73248	varieties	1958	58209	20201*	Leucorhoenanthus macedonicus SEE			
Lestremiinae			73248	48339*				Neophemera macedonica			
Lestrimelitta			105896	Belgium		29036*	101383*	Leucorrhinia dubia		106160	106148
Lethaeni			95156	France			39330*	Leucorrhinia pectoralis			95639
Lethaeus	73723	105852		Italy			59791*	Leucorrhinia rubicunda			106148
Lethal factor				Netherlands		1941*	1978*	Leucospididae			43206
animals			72382	10968*	10969*	101437*	101438*	Leucospis gigas			95293
Apis mellifera			53092	Norway			59847*	Leucotermes speratus SEE Reticulitermes speratus			
Cochlioniyia hominivorax			5284	Texas			59894	Leucothoe axillaris			8695
				virus diseases		47550	58065	Leucothoe fontanesiana		8695	46853
				77879	99645			Leucothoe grayana			19346*
				Australia			9255	Leukemia			3108*
				California			68270	cats			62517

\*Text of this reference is not in English.

	Item				Item				Item		
Leukemia--Cont				Lice--Cont				Licorice (plant) SEE Glycyrrhiza			
cattle	13070	13102	41618	apes		95642*		Licorice rot			
82139	103887	3527*	3681*	birds	5603	5631	14979	carrots		27080a	
3707*	3721*	13080*	13137*	23959	53564	95656	95657	Liebelia		5481*	
13165*	31443*	31462*	41620*	23942*	33494*	53598*	95683*	Lieftinckella SEE Xylocopa (Lieftinckella)			
51863*	51898*	62290*	62350*	cattle	42535	63499	105108	Lienert test		92965	
62371*	62377*	72278*	82203*	4699*	52787*	64274*		Life insurance	35508	76029	97628
82224*	92088*	103610*	103801*	control	4683	14026	14039	Ligaments	3813	41748	92760
103835*	103888*	103889*		14040	42535	105121*		104102	3887*		
causes			82156*	tests		4770	42469	Ligatures		42170	
control		3530*	13136*	deer			73908	Light			
diagnosis		103803	12995*	ecology			4739	effects on Acetabularia mediterranea			
13144*	31291*	92446*		enzymes			52738	effects on Acronycta rumicis		27857*	
prevention			12954	goats		14040	105135	73808*		23859*	
reviews	13138*	41701*	92548*	host animal relations			105108	effects on alfalfa		950	
transmission		31424*	62223*	insecticide resistance			52738	effects on algae	19212	28195	
82205*	103794*			livestock			23166	38452	100273	89339*	89419*
virus			41570*	man		4770	73885	effects on Allomyces		9425*	
dogs	13301	31585	31601*	mice			105087	effects on alpine plants		48105*	
31602*	92750*	92707*	92763*	parasites		4711*	73160*	effects on Alternaria chrysanthemi		100313	
104045*				pheasants			95638*	effects on Alternaria tomato		58487	
horses			13070	populations		4739	63499	effects on Amaryllis		10860	
mice		82205*		poultry	14026	23166	94093	effects on Anacystis montana minor		99869	
rabbits		82205*		94103	14055*	53572*	105121*	effects on Anacystis nidulans		79064	
reviews		41373		rabbits			42469	effects on animals		92135*	
swine	4576*	42273*	103889*	rodents	32706	32703*	73160*	effects on Ankistrodesmus braunii		19154	
virus		13070	82613	73884*				effects on Anopheles	5349	14020	
Leukosis complex		4128	13482	sheep	4739	14039	14040	effects on Anthonomus grandis		42986	
13502	22624	22656	42031	52787*				effects on Apis mellifera	42797	94497*	105413*
104309	104466	13514*	31892*	squirrels			14961	effects on Aplopappus		48611*	
31906*	52258*	93258*	93259*	swine	73130	83260	52787*	effects on apples	9983	37569	
93368*	93380*			wildlife	23171	95609	95616	58826*	58889*		
control		4196		95635	105089*			effects on Argyrotaenia velutinana		73807	
diagnosis		52297		Licea biforis		68505		effects on arthropods			
resistance		31948*		Licea castanea		46974*		reviews		14390	
reviews		93183		Lichen acids		70320	100248	effects on Artemisia monosperma		78576	
transmission		82627*		Lichenes		26948a	36977	effects on Aspidistra		38440	
virus		62817		Africa			17870*	effects on Aureobasidium pullulans		9888	
SEE ALSO Erythroblastosis; Lymphoma-				Alabama		77476	88535	effects on Avena		27832	
matosis; Myeloblastosis				Alaska			8840	effects on bananas		48476	
Levansan g		23812		anatomy and physiology			38414	effects on barley	27798	38051	
Leveillula capparidacearum		99079		70320	78863	89242	100248	100295*			
Leveillula taurica		9102*		8597*	27583a*	27895*	89539*	effects on beans	58785	68769	
Levelers SEE Land, leveling equipment				Arctic Region			17881	68811	9831*	18850*	68958*
Levomycetin SEE Chloramphenicol				Arizona			47019	effects on Begonia evansiana		963	
Lewinibombyx lewinae SEE Panacela				Australia			99137	effects on Bouteloua eriopoda		58937	
lewinae				Belgium		17902*	89539*	effects on Brassica	1265	48198*	
Lewisia	46921			biochemistry		1286	19353	89140*		19323	
Ley farming SEE Grassland farming				28329	69251	28331*	28332*	effects on Camellia		18994*	
Leyland cypress SEE Cupressocyparis				38564*	100675*			effects on carrots		89567*	
leylandi				Bulgaria		8891*	99138*	effects on cattle	12830	22017	
LH SEE Luteinizing hormone				Chile			99080*	62019	3426*	3427*	62088*
Liability insurance	7685	7686		collections			99116*	effects on cellulose	25166	85619	
66448	108137*			ecology	9318	58161	89013	effects on Cerapteryx graminis		33358	
Liatris ohlingerae		98921		99100	27394a*			effects on Ceratophyllum demersum		10137	
Libellula quadrimaculata	43355	106160		Estonia			26975a*	effects on Cereus		38374*	
53582*				forage plant		21957*	38825*	effects on Chaoborus astictopus		73690	
Libellulidae	5629	95639	106148	Germany		57713*	67936*	effects on Chara		38306	
106160				East Germany			88540*	effects on cheese		6463*	
Libellulinae	43346	43351	43352	Great Britain		26927a	36995	effects on Chenopodium		9726	
Libethra			14903*	37000	37001	37023	37024	effects on chickpeas		38600	
Libocedrus bidwilli			18477	Hungary			47016*	effects on chinchillas		31651	
Libocedrus decurrens			8982*	Iceland			36999	effects on Chlamydomonas		27886	
Libocedrus formosana			21648	illustrations			46979	78421			
Libraries			4970	India			46968	effects on Chlorella	10011	10134	
catalogs			66683*	Iowa			99092	78538	78637	78899	78984
Colombia			35685*	Jan Mayen			37015	68689*	100458*		
directories			67190	Japan	186	17872	67979	effects on Chlorella pyrenoidosa	1003	37712*	
France			108699*	Luxembourg			47020*	effects on Chortophaga viridifasciata		73861	
Hong Kong			16693	Maine			88979	effects on Chrysanthemum		1048	
Hungary	46132*		46204*	Morocco			99136*	78411	89757		
India			27112	Nepal			46968	effects on clover		590	
iegislation			36123	New Zealand		27388a	47000	effects on Cochliomyia hominivorax		83928	
Netherlands			50493*	nomenclature			88191				
services	67130	46120*		Oklahoma			36997				
study and teaching		8129		Poland			17878*				
USSR		46121*		Shetland Islands			36982				
Utah		56798		Sweden			17915*				
SEE ALSO Cataloging; Documentation;				Tatra Mountains			37026*				
Indexing; Subject classification				taxonomy	8878	37029	77481*				
Libythea labdaca laius		95389		reviews			47004*				
Licania rigida		70212*		Tennessee			224				
Licaria		88345		USSR	36994*	36975*	57721*				
Liccana SEE Bireta (Liccana)				57722*	57740*						
Lice				Vietnam			99049*				
anatomy and physiology		52738		Lichenin			55249				
64274*				Lichina pygmaea			1400*				
and disease	4683	4711*	13990*	Licnodamaeus			94678				
73160*											

\*Text of this reference is not in English.



Item		Item		Item	
Light--Cont		Light--Cont		Light--Cont	
effects on coffee	89496*	effects on milk	6405	effects on Pteridophyta	1103
effects on Coniferae	91609	85290	6395*	effects on Pteris vittata	27532a
effects on corn	1183	effects on milo	34400*	effects on Puccinia	38093
48765	58495	effects on Mimosa pudica	18896	effects on pumpkins	18850*
78498*	89428	effects on Mimulus	18899*	effects on rabbits	104553
effects on cotton	48501	effects on mosquitoes	5347	effects on red clover	78864*
107179	89414*	effects on Mougeotia	19141	effects on redpeppers	9658*
100420*	100361*	1006*	48085*	effects on Rhizoctonia solani	100418*
reviews	58585*	effects on Musca domestica	95013	effects on rhubarb	100521
effects on Cryptomeria japonica	28063*	effects on muskmelons	39350	effects on rice	100162
effects on cucumbers	18850*	effects on nematodes	37491	38466	69113
effects on Cyclamen indicum	89609*	effects on Nemobius sylvestris	64245*	100473*	38244*
effects on Cyclotella meneghiniana	48169	effects on Nitella	37954	effects on Saintpaulia	38192
effects on Cynodon dactylon	58534	effects on Nitella flexilis	69119*	effects on Salmalia malabarica	50807
effects on Cyperus esculentus	58896*	effects on oats	100590*	effects on Salvia occidentalis	47969
effects on Dianthus caryophyllus	48471	effects on olive oil	65976*	effects on Scenedesmus	48246*
effects on Digitalis	89699*	effects on onions	38571*	68976*	
effects on Drosophila melanogaster	23643	effects on Onoclea sensibilis	48277	effects on seeds	1027
effects on Dryopteris filixmas	913*	effects on Ophiostoma	78473	29175	68869
effects on ducks	31749*	effects on Orchidaceae	39200	91560	68892
effects on Dunaliella salina	9925*	48051	48338	19053*	40656*
effects on egg products	55699*	effects on ornamental plants	18936	58632*	81146*
effects on Epicoccum nigrum	100470	38007	39159	effects on sheep	93577
effects on Euglena	38617	100391*	100310	effects on Solidago virgaurea	27831
1074*	68893*	effects on Orysopsis miliacea	58771	effects on soybeans	9907
effects on fibers	25200	effects on peas	914	effects on spermatozoa	72704
effects on flax	37937*	78451	89888	effects on Sphaerocarpus donnelli	18655*
effects on forage plants	89387	effects on Perilla	48213*	10207	19300
effects on forests	50694	effects on Periplaneta americana	53545	58577	100183
81167	9894*	effects on Petunia	9786	effects on Stenocranus minutus	53415*
effects on foxes	72458*	effects on Phaenicia sericata	105717	effects on Stilpnolia salicis	73808*
effects on fruit	100335	effects on Phlebotomus	53344*	effects on strawberries	9781
effects on fungi	19233	effects on Phycomyces	48053	effects on sugar beets	9765
effects on garlic	976*	effects on Physalis pubescens	100151	9727*	9728*
effects on Ginkgo biloba	19163*	effects on Physarum gyrosum	968	68743*	38143*
effects on grain	38193*	effects on Physarum nudum	58820	effects on sunflowers	78213
effects on grapes	58521*	effects on Picea	61134*	9987*	68993*
100113*		effects on Picea abies	71182	effects on sweetclover	48178
effects on grasses	69538*	effects on Picea schrenkiana	28192*	effects on sweetpotatoes	38394*
effects on grasshoppers and locusts	33451	effects on Pieris brassicae	73808*	effects on swiss chard	37961
effects on growth substances	69078	effects on pigeons	93432	effects on tannins	7216*
effects on gums and resins	30681	effects on Pinus	71220	effects on Tenebrio molitor	105663
effects on Haemophysalis leporis-		effects on Pinus pinea	78409*	effects on Tetranychus telarius	53218
palustris	53185	effects on plankton	1175	53219	53220
effects on hamsters	82516	effects on plant disease	466	63893	
effects on Heliconius erato	33439	37298*	99485*	effects on Thraustochytrium	17889
effects on hemp	48052*	effects on plants	979	effects on Tipulidae	14673
effects on herbicides	39493	985	1049	effects on tobacco	1079
effects on Heteranthera dubia	10137	1223	1328	10071	49008*
effects on house plants	47646*	1432	9696	effects on tomatoes	18862
effects on Humulus japonicus	58747*	10188	10591	48469	58623
effects on Hypera postica	53280	19131	19280	58776*	68993*
effects on Impatiens parviflora	78530	28199	28244	98761*	
effects on insecticides	83138*	38574	46703	effects on trees	1146
effects on insects	33357	48244	48290	67728*	89163*
83179	94633	77145	78376	effects on turkeys	32025
63825*	14377*	78430	78519	effects on Ulva lactuca	28139*
reviews	83733	78906	89055	effects on Vaucheria sessilis	18537*
effects on Ipomoea nil	9910	100289	100428	effects on vegetables	18936
18968	38182	1114*	10035*	39345*	58636*
effects on isopods	73548	28221*	28268*	effects on Veronica beccabunga	89596*
effects on jute	25133	58714*	67691*	effects on Verticillium albo-atrum	69217
effects on Kalanchoe blossfeldiana	34515	69043*	69060*	effects on wheat	10004
935*	9831*	conferences and congresses	78212	38078	48054
effects on Kalanchoe daigremontiana	9831*	reviews	78336	48027*	48198*
9831*	9987*	78428	78494	effects on white clover	89770
effects on Kalanchoe laxiflora	37960*	78846	78871	68881*	
effects on Larix	61134*	effects on Polygonia c-aureum	14871*	effects on wool	6637
effects on Lemna gibba	89516*	effects on Polygonum	28132	effects on Xanthium orientale	38247
effects on Lemna minor	10137	effects on Polyspondylium pallidum	100262	38248	
27856		effects on Porcellio scaber	23574*	effects on yeasts	59079
effects on Lepidoptera	33357	effects on potatoes	955	48235*	
effects on lettuce	48471	27599a	27600a	measurement	554
28250*	58756*	68943*	85712*	89031	94655
effects on Lilium longiflorum	38191	reviews	107348	98801	102818
effects on Lolium perenne	68881*	effects on poultry	13600	67728*	27446*
effects on lupine	100233	22642	22667	SEE ALSO Fluorescent light; Photo-	
effects on Lycosa baltimoriana	5073	31758	32108	periodism; Photosensitization;	
effects on Lunularia cruciata	69134	104505	104515	Phototropism; Solar radiation;	
effects on meat	34996	effects on Protococcus	22700*	and SUBHEAD effects on light	
effects on mice	82520	effects on Protoparce quinqueacu-		UNDER Poultry, egg production	
effects on microorganisms	70386	lata	83316	Light Chestnut soils	70304*
		effects on Protoparce sexta	83316	91624*	
		effects on Pseudotsuga menziesii	71250	Light scattering	65069
				Lighting SEE Electric lighting; and	74349
				UNDER specific subjects	

\*Text of this reference is not in English.

	Item				Item				Item		
Lightning				Lilium--Cont				Lime--Cont			
effects on plants 320	18027	88738		diseases	37099	37120		in soil improvement--cont			
effects on trees	40706	50963		forcing	39146	79577	28936*	40089*	40359*	50005*	60183*
50965	91617	102778*		37948*	39132*	39133*		80325*	80369*	80457*	78549*
hazards and safeguards		50958*		hybrids	10743	29214	39233	101684*	101942*	102011*	
95689*	106394*			39227	39288	39323	37948*	Argentina			20772*
Lignin				morphology		68603	99926*	Arkansas			91124
analysis and composition		21654		nematodes			37511	Australia			80261
51326	51327	91757*	91764*	pests	14222	37120	42728	Bulgaria		40026*	80426*
chemistry	12434	29519	30713	52987				Canada	11662	80285	91119
41123	51330	61450	61557	pollen			37762	China			101991
71482	81568	81569	91763	propagation			39176	Estonia			70544*
96721	103031	3006*	12430*	soils			49163	Finland		60420	2346*
41138*	51325*	71554*	81574*	Turkey			39188	Florida			80019
103029*				varieties	1895	10727	39288	Georgia			70649
reviews		61562		49252				Germany	2804*	60491*	78744*
decomposition	2926	2927		Estonia			69852*	81079*	102077*		
53578*				Great Britain	39134	39163		East Germany		11330*	39907*
hydrogenolysis		41143*		39299	69862			45552*	101740*		
in Bromus inermis		47985		Oregon			52987	Great Britain			70510
in corn		69242		Sweden			39314	India			11591
in cucumbers		77719		virus diseases			37460	Ireland			11525
in Dactylis glomerata		47985		Lilium auratum	39218	39309		Lithuania			40077*
in Eucalyptus		1297		Lilium candidum	28170	18632*	47792*	Louisiana			29769
in feed	107109	71634*		58265*				Maine			70552
in forage plants		30814*		Lilium concolor		29003*		Massachusetts			11640
in jute		107144		Lilium davidi willmottiae		39901*		Michigan			80405
in oats		78686		Lilium giganteum	36835	36864		Minnesota			11508
in peas		78686		Lilium henryi	18618	37948*		Mississippi	60383	101929	
in plants	28316	39755	69308	Lilium longiflorum				Nebraska			102069
78455	79026	99887	100663	anatomy and physiology	1200	9682		Netherlands			2316*
41132*	100603*			19093	38191	48279	48428	Northern Ireland			91134
in Populus tremuloides		21626		28239*				Norway			11520*
in pulp and paper		61427		diseases	9233	38082		Poland	80283	19121*	29806*
61443	61451	71504	102953	forcing	19093	37983		49979*	60298*	70636*	91171*
102973	103027	51267*		pest control	23374	83496		Puerto Rico			39925
in straw		25639		soils		30044		Rumania	2363*	101780*	101913*
in tall oil		81523		weed control		60015		101987*	102042*		
in tobacco		78686		Lilium maculatum SEE Lilium medeo-				Scotland			101961
in wood	21718	30710	41123	loides				Sweden		29764*	49981*
51332	61450	91758	103031	Lilium martagon		69834*		USSR	11454*	39695*	39946*
12431*	12439*	41138*	103026*	Lilium medeoloides		100*		50113*	60519*	60537*	70621*
reviews		71563		Lilium michiganense	36841	46925		90549*			
products	12434	51306*	81574*	Lilium pumilum	27807*	39901*		Yugoslavia			80391*
properties	30710	102973	41132*	Lilium regale	28937*	28939*		in straw processing			91899*
81565*				Lilium speciosum rubrum		47179*		loading equipment			84277*
structure		51332		Lilium sutchuenense SEE Lilium davidi				manufacture			50005*
utilization research		41137*		willmottiae				Lime oil			75705*
Ligninsulfonic acids SEE Lignosulfonic				Lilium tigrinum	58286*	99989*		Limnitis camilla			33405
acids				Lily of the valley SEE Convallaria				Limes			
Lignite	101963	21229*	21230*	majalis				anatomy and physiology			28173
40021*	49748*	60409*	100240*	Lima beans				89368	89696		
102359*				analysis and composition		6756		coatings		85876	96903
Lignocellulose		103094*		44605				culture	49056	55200	89696
Lignosulfonates SEE Lignosulfonic acids				anatomy and physiology		73247		fat and oil content		55200	89696
Lignosulfonic acids	41149	61558				78628		keeping quality			85876
81384	85516	102953	71520*	canning		55175		pollen			100091
Ligularia sibirica		57560*		cooperatives		44637		storage	55200	89696	96903
Ligusticum		98918		culture	101406	107395		varieties			59512
Ligustrum		10895		dried		6756		yields	49056	100091	
Ligustrum japonicum	58553	104283		fertilizers		83781		Limestone			
Ligustrum vulgare		58685*		flavor and odor		55091		chemistry			91368*
Ligyris gibbosus SEE Bothynus gibbosus				fungus diseases	37246	37336		fertilizers	2450	40086	11844*
Lilac SEE Syringa				47414				91368*	102681*		
Liliaceae				genetics	9547	18689	37822	in feed		3465	31204
anatomy and physiology		28236*		losses			14102	Poland			90948*
biochemistry		69282		pest control		32755	52851	Sweden			99786*
California		36908		pests	5464	14102	73247	USSR			77280*
culture	19965*	90414*		83781				United Arab Republic			99770
fungus diseases		99360*		processing			107395	Liming materials			101740*
Israel		99826*		weed control		29190	29196	analysis and composition			54726
morphology		58289*		yields			14102	54730	91367	91369	
taxonomy	57581	69282		Lima-bean pod borer SEE Etiella				consumption			2633
Lillales		28125*		zinckenella				regulation and inspection			
Liliiflorae		151		Limacodidae	33442	105276*		Australia		2666	80770
Lilioceris balyi		94835		Limber pine SEE Pinus flexilis				Maryland			54726
Lilium				Lime				Massachusetts		21021	50421
anatomy and physiology		1094		application	60498	61095*		New York		44415	96686
37762	28936*	37948*	37949*	application equipment		53721*		Vermont			40379
breeding		39323		53733*	74029*	74033*		West Virginia			30074
culture	39240	39323	49252	in building construction		50005*		statistics			21024
69885	101302			in fruit storage		55162*		Limnaea truncatula			103646*
Canada		69822	69940	in hides and skins processing		35025		Limnanthes			55652
Estonia			69852*	55436				Limnephilidae			
Germany			39181	in soil improvement	2385	11636		Alaska			95619
Great Britain	39134	39275		20768	40099	50140	70489	dissemination			43345
49163	69862			70511	70556	80254	90842	ecology			43365*
Netherlands			39130*	101675	01741	101917	101995	larvae	33514	95611	95679
North America			39258					23947*	23950*		

\*Text of this reference is not in English.



Item		Item		Item	
Limnephilidae--Cont		Linear programming--Cont		Lipase--Cont	
metamorphosis	95647*	Great Britain	76319	in poultry physiology	93286
Scotland	84228	India	7790 7791	in swine physiology	4599*
taxonomy	14953 53562	76262		Lipides	
Limnephilus	14953 33514	Indiana	45838	analysis and composition	26146
64283 73905		Italy	76261 35616*	66012 75673 86286	97244
Limnephilus hamifer	14953	Kenya	56390	7289* 26145* 54119*	66032*
Limnephilus stigma	95619	Middle Western States	45792	86296* 107718*	
Limnephilus xanthodes	23953 84228	Minnesota	7889	reviews	65970
Limnius	23583*	Netherlands	7846	chemistry	26097
Limnobiidae SEE Tipulidae		26748* 76368*		conferences and congresses	45191
Limnochares americana	53176	North Carolina	7872 7914	reviews	65970
Limnoecia	105936	Oregon	97887	effects on Eremothecium ashbyii	
Limnognon leptocerus	23751	Pennsylvania	66752		19376
Limnolacariidae	94786*	Poland	56435*	in Agaricus campestris	69221
Limnophila	33134 53299	Spain	76329*	in alfalfa	85552
Limonene	55004	SEE ALSO SUBHEAD research		in animal physiology	79053 103219
Limonia	14652 33135 63985	methods, linear programming UNDER		reviews	3175
73612 94997		specific subjects		in Anthonomus grandis	73608
Limonia acidissima SEE Feronia limonia		Liniments	12705*	in Apis mellifera	83589*
Limonia lindrothi	95099	Linnaea borealis	26877a*	in apples	34703* 79021*
Limoniidae	95098	Linnaemya	23671* 84013*	in arachnids	105547
Limonium	1412* 36892*	Linocarpon cariceti SEE Ophiobolus		in Arum maculatum	10204
Limosella aquatica	57605*	graminis		in bacteria	6381 52292
Limothrips cerealium	43349	Linognathus	4739		82228*
Limulus	14955	Linognathus stenopsis	14040	in bananas	65439*
Linalool	26032*	Linognathus vituli	4699*	in Basidiomycetes	69174
Linaria	46869*	Linoleic acid	16306 55605 74775	in beans	25374 44605
Linaria dalmatica	11120	100639		in beef	86125
Linaria vulgaris	32611	effects on Melanoplus bivittatus	33473	in blood	4192 31290
Linastichus SEE Astichus (Linastichus)		effects on swine	22962 93780	62886 92723 104422	
Lindane		in cottonseed oil	55593	in Bombyx mori	73463 83712*
cacao pest control	52970	in feed	4102	in brewing	24732
chemistry	42383*	in poultry nutrition	31876 52189	in cabbage	19390
cherry pest control	32848*	72581		in cattle nutrition	41592
corn pest control	4809	in safflower	100646	in cattle physiology	13103
determination	83197*	in soybean oil	107699*	in Chlorella	88994
effects on insect populations	94342*	isomers	35167	in coffee	6284* 54423*
effects on microorganisms	14237	Linolenic acid	35160	in cottonseed	26149
effects on plants	27790*	Linoleum	45195*	in dairy products	65121
effects on rats	83254*	Linseed SEE Flaxseed		in dog physiology	52022
fly control	4781 14077	Linseed meal	3471 61746*	in eggs	4192 92983
83251*		Linseed oil		in Eucraphis punctipennis	73728
forest pest control	63691*	analysis and composition	26026	in Euglena gracilis	19399
grain pest control	105333*	26139 35169 55687 100453		in Euonymus verrucosus	100696*
in carrots	75258*	26138* 65992*		in Flagellatae	73895*
in feed	42490	chemistry	97217 7257*	in flour	44853 85933
in poultry physiology	42490	in linoleum manufacture	45195*	96942* 96943*	
in soils	14076	marketing	45183*	in food	26048 54131 74338
insect resistance	104994	oxidation	55647	74438 84784 84808	
	105024* 104972**	processing	16284 35186 86289	in fungi	100564
mite control	52698	35162*		in Galleria mellonella	73804
mosquito control	94145* 105010*	products	45193*	73849 106032	
105024*		quality	55603*	in grain	7026 25707
physiological action	4781 14237	Lintex SEE N-(2'-Chlor 4-nitrophenyl)-		in honey	16180
63434*		5-chlorosalicylamid		in human nutrition	67397*
potato pest control	63535*	Linum grandiflorum	18888	in Hyalophora cecropia	23835
poultry pest control	42490	Linum usitatissimum SEE Flax		in Hypera postica	63913
raspberry pest control	52934*	Linuron	2024 34695 70164	in Juglans regia	19309*
rice pest control	23185* 52834*	79791		in lima beans	44605
storage pest control	83498	Linyphiidae	53188 94706	in livestock products	75652*
	94427*	Liodidae SEE Leioididae		in microorganisms	3307
sugarcane pest control	23253	Liodotomerus indicus	5469	in milk	54546 65049
tests	83386*	Liometopum apiculatum	23787	32390* 85294* 106908*	
Lindbergocapsus n g	14746*	Liopasia	23883	in Periplaneta americana	33459
Lindelofia	98918	Liosomaphis abietina SEE Aphis abietina		in Pinus pinaster	61556*
Linden SEE Tilia		Lipaphis erysimi SEE Brevicoryne		in plants	1217 1296 1392
Linderina pennisporea	26930a	brassicaceae		1431 19416 28398	48306
Lindernia	56	Lipara rufitarsis	23684	58998 69302 79053	1421*
Lindingaspis	95273	Liparidae SEE Lymantriidae		48518* 89956*	
Lindsaya	77428	Liparis loeseli	67848*	reviews	58962 78907
Lindsaea SEE Lindsaya		Liparocephalus brevipennis	73592	in pork	107593
Line pattern		Liparocephalus	94940*	in poultry nutrition	4064* 31804*
hops	99624	Lipase		in poultry physiology	13517
plums	99608	effects on butter	74751	22547 22674 41979	52244
Linear programming	7865	effects on fats and oils	75712*	in rat physiology	104210*
26764 26868 35043 45759			97181*	in Rhodophyceae	10217*
45836 56242 56283 65687		in cheese manufacture	96592*	in rice	107539 107540
66825 76234 76353 97840		in eggs	7349	in royal jelly	105472
108273 7834* 7854* 7910*		in grain	25706		83589*
7916* 16774* 26782* 76272*		in Helicoprax bucephalus	83834	in ruminant physiology	71747
76653* 108448*		in meat	86122	in seeds	26131*
Australia	76355	in milk	15614 15625 24811	in semen	51656 81976 103480
Austria	66782*	74810 85269 96442 6394*		in sheep physiology	52423 52428
France	45789* 87030*	54538* 54618* 65077*		52454 52455 72799	72880
Germany	7833* 66764*	in oilseeds	26153*	93636*	
66871* 87027*		in pigeon physiology	82616	in spinach	58956
East Germany	16805* 45835*	in plants	1359 38579*	in swine physiology	22925

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.

	Item		Item		Item		Item
Lipides--Cont		Listera auriculata	67813	Littoral insects--Cont			
in <i>Trogoderma granarium</i>	14556	Listera ovata	18523*	Great Britain		33373	
in vegetables	6898	Listeria	12613*	Italy	53157*	94910*	
in wheat	1376	Listeria monocytogenes	13718	Japan		53282	
79055*	75426	63133	71793	Littorella		38517*	
oxidation	26146	72522*	91969*	Liver	21892	12586*	71735*
reviews	65970	63133	71793	92011*	3304*		
SEE ALSO Glycolipides; Phosphatides	13255*	72522*	91969*	buffaloes		62382	
Lipoidosis	32269*	63133	71793	cattle	4350	62277	62348
Lipoids SEE Lipides		72522*	91969*	72214	103830	3630*	13367*
Lipoma	13279*	63133	71793	22239*	31456*	72273*	82187*
Lipomyces	90939*	72522*	91969*	92647*	103188*		
Lipomyces starkeyi	99066	63133	71793	diseases	3638	41586	62193
Liponyssidae	94753*	72522*	91969*	62227	72196	3640*	31485*
Liponyssoides	53179	63133	71793	reviews		62275*	
Liponyssus sylviarum SEE Ornithonyssus sylviarum		72522*	91969*	chinchillas		62579	
Lipopolysaccharides	1336*	63133	71793	coypus		62579	
Lipoproteins		72522*	91969*	diseases	12586*	30894*	41305*
in <i>Antirrhinum majus</i>	99927*	63133	71793	reviews		81735	
in buffalo physiology	41593	72522*	91969*	dogs		14017	92711*
in eggs	16362	63133	71793	diseases		41743	52033
in goat physiology	22793	72522*	91969*	13290*	52044*		
in plants	59085	63133	71793	ducks		86119*	
in poultry physiology	32020*	72522*	91969*	geese		31959*	
processing	6216	63133	71793	62914*			
Lipoptena indicum	105757	72522*	91969*	goats	13693	62193	63083
Lipoptena odocoilei	63994	63133	71793	63110	72833*	93570*	
Liposarcoma	72395	72522*	91969*	guinea pigs			
Lipostratia	14495*	63133	71793	horses	13367*	31678*	69026*
Lipovitellin	72651	72522*	91969*	104111*			
Lipoxidases	7305	63133	71793	diseases	52116	3984*	72495*
35171*	55565*	72522*	91969*	diagnosis		13389*	13390*
Lippia	8649	63133	71793	13392*-13394*		31693*	42446
Lippia lasiocalycina	26875a	72522*	91969*	mice	104174*		
Lippia nodiflora	23957	63133	71793	104174*			
Lipsothrix	94999	72522*	91969*	poultry	4180	22623	22674
Lipteninae	64232	63133	71793	41979	52272	82572	82656
Liquefied petroleum gas	54050	72522*	91969*	4203*	72617*	82625*	
Liquidambar	561	63133	71793	rabbits	104537	32157*	82717*
38608*		72522*	91969*	103188*			
Liquidambar orientalis	83530*	63133	71793	rats	83200	42399	82817
Liquidambar styraciflua	1899	72522*	91969*	83200	22473*	83254*	103188*
coppice	21286	63133	71793	sheep	104210*		
nematodes	521	72522*	91969*	32251	4350	13676	22810
pest control	42749	63133	71793	52410	52410	52453	62348
propagation	2847	72522*	91969*	72863	82815	82817	93670
release	50696	63133	71793	94148	4370*	63130*	82798*
seeds	71235	72522*	91969*	93570*	93636*		
sites	81022	63133	71793	diseases	72196	72850	93672
Liriodendron	18626	72522*	91969*	swine	4580	22909	32381
Liriodendron tulipifera	21152	63133	71793	32396	52534	52553	63309
anatomy and physiology	10002	72522*	91969*	83095	31456*	32471*	63251*
99845	100407	63133	71793	diseases	52639	32487*	72987*
bark	99845	72522*	91969*	turkeys		41925	
ecology	9365	63133	71793	Liver dystrophy			
germination	61105	72522*	91969*	minks		82420*	
growth	12139	63133	71793	ruminants		71751	
measurement	21152	72522*	91969*	swine	13854*	13885*	83053*
pests	33302	63133	71793	Liver flukes			
propagation	40652	72522*	91969*	buffaloes		62238	
release	40678	63133	71793	cats		62490	
seedlings	40678	72522*	91969*	cattle	103629	3686*	22221*
seeds	61105	63133	71793	31350*	62243*	72283*	82201*
sites	102631	72522*	91969*	103852*			
soils	50677	63133	71793	Australia		72246	
wood	3015	72522*	91969*	control	92451	31340*	31375*
Liriomyza	14674	63133	71793	92429*	103646*		
53329*		72522*	91969*	Corsica		22185*	
Liriomyza archboldi	63558	63133	71793	Czechoslovakia		22213*	
Liriomyza dianthi	73631	72522*	91969*	diagnosis		62413*	
Liriomyza enormis	5324	63133	71793	Estonia		92536*	
Liriomyza flavecica	105152*	72522*	91969*	Great Britain		22832	
Liriomyza langei	63539	63133	71793	Japan		92507*	
Liriomyza minutiseta	5464	72522*	91969*	Netherlands	3589	31473*	62261*
Liriomyza munda	23270	63133	71793	62360*			
Liriomyza persica	33156	72522*	91969*	Northern Ireland		52457	
Liris nigra	23808*	63133	71793	Poland		13068*	
Lispocephala	33144	72522*	91969*	treatment	41623*	62201*	82813*
Lisposidama n g	73525	63133	71793	Tropics		3587	
Lissapterus grammicus	5183	72522*	91969*	Colombia		81826*	
Lissomus	105621*	63133	71793	conferences and congresses		61735*	
Lissonota evetriae	105881*	72522*	91969*	control	30832	41298	71755
Lissorhoptrus oryzophilus	14106	63133	71793	61891*	81787*	92965*	
23186	23590	72522*	91969*	diagnosis		61770*	
94333	94857	63133	71793	dogs	31564	62490	52044*
Lissotes	14525	72522*	91969*	guinea pigs		31731	
		63133	71793	Indonesia		3153	

\*Text of this reference is not in English.



	Item			Item			Item	
Liver flukes--Cont			Livestock--Cont			Livestock--Cont		
mice		22469*	breeding--cont			cytology--cont		
Netherlands		61844*	history	3042*	12470*	reviews	12720	103293
poultry		4209*	Hungary	21727*	61604*	Czechoslovakia		91914*
rabbits	72706	62997*	hybridization	3039*	41199*	deficiency diseases	12621	31055*
ruminants		30957		103074*		103120	103136	103256
sheep	4687	22829	inbreeding	3039*	61610*	3171*	12639*	51443*
	72812	82848		61845*		71708*	103367*	61766*
control		31340*	Italy		55394*	Denmark	51621*	61934*
Corsica		22185*	Luxembourg		91791*	103389*	103392*	103404*
diagnosis		62413*	Mongolia		61858*	desert areas		103331
France		72855*	Nigeria		61985	dictionaries	31031*	71861*
Great Britain		22832	Norway		103080*	digestion	103123	103142
Netherlands	62261*	62360*	Pakistan		30757	directories		107627
Northern Ireland		52457	Poland		41200*	disease resistance	21728	103106
Poland		93661*	research methods	21730*	71600*	103340	3130*	3260*
treatment		13664*	statistical	779	71771*	12657*	51386*	12505*
62201*	63118*	82813*		91797*		reviews		30873
Turkey		42184	Rumania	61611*	61615*	diseases	3177	3293
Sweden		51519*	91784*	91786*	91788*	21924	30922	31033
transmission	4687	81716	91792*	91793*	91804*	52802	71812	81717
Liver function tests			seasonal		41191*	21776*	21810*	41294*
dogs	3797	41745	study and teaching	3026*	3092*	81749*	91935*	103161*
	3850*	13290*	30764*			Canada		3106
horses		13399*	Sweden		30762*	Central America		12541*
sheep		13673	Switzerland		51384*	Chile		12567*
Liver meat	55738	87749	USSR	12466*	12471*	China		41334*
	86233*		61600*	71597*	71601*	conferences and congresses		83209
SEE ALSO Duck livers; goose livers			91796*	103079*		103156	103192*	
Liverworts SEE Hepaticae			breeds	30755	61612	control	3133	21878
Livestock	31044	81900	care	3167	3184	30861	31033	61730
abnormalities		3256*	81917	103405	21944*	81801	91964	103139
	91957*		22372*	41294*	61670*	103374	103409	3159*
accounting		16872*	92137*	103356*		12639*	12700*	21731*
adaptation	21938*	71700*	Africa		3041*	30967*	31054*	55394*
conferences and congresses		12627	Burma		41396	81783*	103286*	103299*
advisory services	3124*	3209*	China		92121*	Africa		81782
41391*	61602*	92119*	Germany		21961*	Albania		61702*
92131*		92124*	Great Britain	21850	31048	Angola		61744*
Africa	27408	41400	56396	61939		Australia	3214	21872
anatomy and physiology		32643	Hungary		92134*	Canada	61921	71836
58831	61921	63831	Japan		31072*	Chile		21816
78910	78958	79011	Mongolia		61931	conferences and congresses		61736*
89366	92083	103191	New Zealand		30899	3162*	21894*	41319*
18942*	21810*	21918*	Sardinia	61824*	61938*	61842*	51566**	
21938*	22349*	30836*	Scotland	12772	61935	Cyprus		31008
51468*	61765*	61821*	seasonal	12632*	12771*	Czechoslovakia		92006*
67401*	71680*	91902*	Sweden		71863*	Denmark		12588*
103235*		92042*	conferences and congresses		31052	European Economic Community		45046*
conferences and congresses	12670		55407	81895	81896	Germany	3124*	3282*
71737	103194*		107574	12682*	12683*	East Germany	3176*	92037*
reviews	83738	92098	3324**			Great Britain	71728	92040*
study and teaching	21847	103361	Australia		92103	history		12584*
3134*	41382*	61716*	Canada		103387	India	30855	61872
as laboratory animals	92110	106454	Colombia	41286*	51484*	Iran		61789*
	30884*		Great Britain	3317	103385	Italy	21913*	103217*
as pets		103405	Middle Western States		13182	Japan	21841	31040*
associations	25815	107575	Southern States		71844	Lebanon		30903*
55394*	91798*	41399*	Spain		44994*	Mexico		61907*
Australia	12762	71854	cooperatives	65860	86154	Mississippi		30953
bibliographies		3092*	Austria		107620*	Mozambique		61694*
61923*	61932*	81899*	Canada		107612	Northern Rhodesia		81818
biochemistry		69166	France		16221*	103291		
Brazil		41405	Germany		86166*	Pakistan		61791
breeding	3027	3035	Great Britain	25897	35031	Poland		81886*
12535	21734	30755	Latin America		67253*	Sardinia		61824*
61609	81628	81630	costs and returns	76427	97998	Senegal		61839*
103077	103078	103409	Germany	21961*	66923*	Southern Rhodesia		61827
3160*	41197*	51382*	Great Britain		26886	Spain		91946*
81632*	103075*	61602*	Kentucky		66949	Sweden		61895*
Africa		3041*	Mexico		97997*	Switzerland	30896*	41303*
Argentina		21729*	Michigan	76416	76425	Syria		61806*
Austria		12465*	Middle Western States		97840	Thailand		61894
Bulgaria	65867	61617*	New York		45909	USSR		81819*
Canada		18778	Oklahoma		26780	diagnosis	3126	12553
Chile		30763*	Poland		87202*	91955	3216*	3239*
conferences and congresses		30756	Rumania	91786*	92117*	30933*	51513*	61711*
51377*	51383**		97956*		97038*	eradication	51532	92007
developing areas		3040*	Scotland	7944	66930	Estonia		92017*
effects of disease		91984*	South Carolina		26912	Florida		92054
effects of feeding	3101*	30809*	Sweden		97985*	Georgia		71724
61647*	91795*		USSR	35894*	71850*	Germany		61780*
bibliographies		12468	Virginia		56566	East Germany		103347*
Finland		81633*	Yugoslavia		55477	Great Britain	17921	71734
France		91801*	credit	26456	75992	94151		
Germany	3033*	81629*	35481*	45480*		history		21910*
East Germany	3031*	12614*	cytology	12660	78103			
			27636*	61704*	61737*			
			81809*	91953*	103155*			

\*Text of this reference is not in English.

	Item			Item			Item	
Livestock--Cont			Livestock--Cont			Livestock--Cont		
diseases--cont			farms and ranches--cont			feeding and nutrition--cont		
Hungary	21887	61727*	management--cont			Japan		51408
India		91912	China		97814*	Kansas		81656
Iowa		51520	France		26750*	Latvia	21738*	21790*
Isle of Man		51528	Georgia	66968	86944	Netherlands	30795*	61641*
Italy	26506*	61862*	Germany	7643*	86987*		81635*	
Japan		21879*		108478*		Northern Ireland		91873
Mozambique	30871*	30872*	East Germany	7893*	7898*	Norway		61625*
61725* 71698*			7905*			pasture and range	30827	48838
Netherlands	41372*	61759*	Great Britain		26886	48861 48862	51409	51413
92058*			Hungary	16841*	76295*	51448 69549	81662	81914
Panama		12541*		86997*		81917 103142	81640*	103096*
prevention	3154	3167	Italy		97872*	Australia		61673
12632* 12693*	61707*	61785*	Japan	31060*	31071*	Brazil		41227*
81783* 94188*	103189*	103299*		61937*	76332*	conferences and congresses		
Africa		3120	Minnesota		7889	Georgia		30779
Australia	3301	71693	Netherlands		30795*	Germany		3049
Germany			New Zealand	87034	108610	East Germany	3082*	91807*
East Germany		3176*	Spain		76329*	Great Britain	28671	61618*
Hungary		21928*	USSR	56457	7904*	Italy		28704
Italy		3146*		16790*	16767*	Japan		97872*
Latin America		3155		16812*	26736*	mountain areas		51407
Near East		3148		26774*	35835*	Northern Rhodesia		81652*
Southeast Asia		3178		86953*	87128*	Norway	61638*	59305
USSR		81793*	Virginia		56566	Sicily		81652*
research methods		30951	Wyoming	16848	26802	Southern Rhodesia		51424*
research programs		103166*	Michigan		35466	USSR	21746*	59305
reviews	41361*	61778*	mountain areas		56400*	Poland	48853	81667*
Rumania		12695*	Norway		76298*	recent developments		3067
Scotland	12716	12728	Oklahoma		87067	12510 21789		
statistics	3106	103211	Poland		26849*	research methods		
study and teaching		30853	Rumania		91783*	linear programming		12526
terminology	12722*	41327*	Spain		108415*	statistical	103086	41205*
transmission		3223	Uganda		81873	research programs		51422
23120 30834	31007	94053	feed relationships	12512	35144	91882 103092	103093	103118
94216 103159	12693*	71759*	60330 103137	3058*	3071*	103127 71662*		
91949* 94105*	103238*		3079* 16851*	41258*	51453*	reviews	3053	31022
Australia		14035	91817* 91884*	103096*		Rumania	91888*	91889*
conferences and congresses			30803 49827	57073	61665	Scotland		21752
		94044	70415 71636	71645	71682	seasonal		91843
India		63507	71749 91812	91870	103102	study and teaching	3064*	3092*
reviews		52806	103106 103120	103139	103143	12755* 61680*	91811*	91822*
Sweden		51482*	103193 3058*	10062*	10502*	Sweden	3096*	71863*
to man	30913	31033	12505* 12639*	12708*	18792*	Switzerland		61681*
	41363	61799	21776* 21784*	21788*	30772*	Taiwan		21806
	103310	103311	41207* 41218*	41245*	51443*	USSR	6536*	12481*
	12537*	12574*	61631* 61670*	81666*	81688*	16790* 21795*	30758*	71597*
	81804*	91967*	81911* 91876*	103090*	103124*	71620* 71646*	71672*	103094*
103370*			Argentina		91872	103131* 108418*		
USSR		14024*	associations		75017*	Yugoslavia		55513
treatment	30815	51466	Austria	30826*	41404*	feeding and nutrition equipment	5717	
81738 92001	12618*	13892*	Brazil		3098*	53679 64398	84400	95795
41278* 51543*	61785*	71713*	Bulgaria		56482	Germany	43507*	95777*
71761* 103360*			Canada		108989	East Germany		64388*
Czechoslovakia		30877*	Chile		30792*	Great Britain		43504
France		30939*	conferences and congresses		51440	Japan		33611*
Japan		30920*	51441 67425	91824*		USSR		5727*
Lithuania		12640*	Great Britain		30776	fertility	3027	3237
draft		92121*	Maryland	21781	21782	81631 3101*	21731*	41195
ecology	58154	71848*	Netherlands		81682*	41191* 51491*	61610*	30809*
81908*			New York		21750	91984* 92006*		61756*
embryos		12635*	Virginia		81691	conferences and congresses		71604
equipment		15274*	contests		30816	reviews	3182	51385*
estrus		12535	costs	12526	71649	fossil		103411*
reviews		3192	97969*		51446*	genetics	12467	21728
exercise		61928*	deficiencies	3047	3073	51378 61614	61921	71599
Far East			12488 30815	61628	71666	71692 78271	78314	81630
bibliographies		3329	71779 9695*	71625*	91834*	81631 103078	103082	3028*
farms and ranches		64691*	reviews		41330*	3039* 18792*	21732*	30754*
Bolivia		92132*	Denmark		41252*	30763* 41194*	41199*	41409*
Bulgaria	56482	76315	dictionaries		30810*	51382* 51386*	61704*	71601*
Germany		66412*	feedlot	26456	30798	81632* 91785*	91799*	91802*
East Germany		35747*	21763*			91803*		
Great Britain	31051	71855	France	41341*	91836*	conferences and congresses		89266
71856---71860	81906	103393	Germany	12477*	41216*	98426		
103394--103397			91831*			research methods	30761	61603*
Hungary		77067*	East Germany	10442*	30768*	statistical	21733*	51381*
India		35829	41204* 41222*	41229*		reviews		12720
Indiana		7855	Great Britain	34460	56509	germ-free	30852	103245
Japan		81923*	Hungary	12485*	12486*	Germany		3327*
layouts		15316*	76390*			grading	45072	31057*
management	3321	30861	Iceland		3097*	81910*		45061*
45778 45870	56424	66838	in disease		41259*	Great Britain		31050
97840 97907	108395	66823*	in pregnancy		3062	growth	12488	51586
108486*			India	30823	51419	71839 3166*	30849*	51543*
Australia		97838	Ireland		12498	61620* 89551*		
Bulgaria		56530	Italy	3076*	71609*			
			91825* 91883*		71610*			

\*Text of this reference is not in English.



## Item

Livestock--Cont  
 growth--cont  
   research methods  
     statistical 649  
     reviews 12587\*  
 habits and behavior 3321 3322  
   32987 71878 81867 81904  
   92109 103098 103214 3333\*  
   92138\*  
   conferences and congresses 71737  
   reviews 94664\*  
 hereditary diseases 51386\*  
 history 34985 65795 76927  
   81918 65822\*  
 housing 84665 106454  
   construction 5891\* 24236\*  
     43761\* 64608\*  
   costs 8001 53932\*  
   Czechoslovakia 24248\* 106448\*  
   designs and specifications 43765  
   France 64668\*  
   Germany 15316\* 53974\*  
   heating 5921 96014  
   humidity 53986 74212 84650\*  
   Hungary 106451\* 106469\*  
   insulation 5905\* 53978\*  
   Iowa 43779  
   Italy 53968\*  
   Japan 33875\* 84687\*  
   lighting 64591\*  
   Poland 24221\* 74205\*  
   sanitation 15740 43781 84679  
     21914\* 31054\* 31058\* 31064\*  
     31065\* 32652\* 64596\* 92113\*  
     92128\*  
   Sweden 15322\*  
   temperature 74212 15293\*  
     43758\* 53971\* 53978\* 53980\*  
   USSR 53935\*  
   ventilation 5910\* 5918\* 33866\*  
     43772\* 84664\* 95983\*  
     21945\*  
 Hungary 70722\*  
 identification 3335  
 illustrations 31050 31055\* 73477\*  
 in art 21960  
 in philately 81905\* 103369\*  
 indemnities 103347\*  
 India 21943 81913  
 industry 6543 55426 81771  
   103401 107558 3326\* 41388\*  
   51624\*  
   Africa 71871\*  
   Argentina 7090  
   Australia 31063 71877  
   Brazil 81925\*  
   California 71853\*  
   Canada 12769  
   16190  
   Chile 31049\*  
   China 44997  
   Czechoslovakia 92183\*  
   Denmark 51620\*  
   developing areas 7104 3331\*  
   Europe 107568 3331\*  
   107562 51624\*  
   European Economic Community 44988\*  
     25806\*  
   Finland 25806\*  
   France 12764\* 45008\*  
   Germany 3282\* 7113\* 15798\*  
     15799\* 97076\*  
     East Germany 25805\* 92105\*  
     97066\*  
   Hungary 31047\* 61926\*  
   Israel 92129\*  
   Italy 41389\* 103399\* 103408  
   Japan 21841 21955 31066\*  
   Kenya 108559  
   Louisiana 65816  
   Mexico 66343 56654\*  
   Mongolia 25788\*  
   Nevada 71353  
   New Zealand 21953 87034  
     97070\*  
   Philippines 3332  
   Poland 12765\* 107836\*  
   public relations 25900 86160  
   regulation 107578  
   Republic of South Africa 86082\*  
   Rumania 92108\* 92125\* 92127\*

## Livestock--Cont

industry--cont  
 Somali Republic 92102\* 97695\*  
 Spain 61936\*  
 Sweden 61940\* 97572\*  
 Uganda 81873  
 USSR 25832\* 65809\* 92114\*  
   103305\*  
 Uruguay 25792  
 Utah 71353  
 vertical integration 25827  
   44255 45040 86108 7098\*  
   55427\*  
   West Virginia 81929  
   Western States 8018 75499  
   Yugoslavia 61926\*  
   infectious diseases 21903 51537  
     51555 61889 3130\* 12554\*  
     51460\* 61741\* 103155\* 103364\*  
     causes 3203 30841\*  
     conferences and congresses 71774  
     control 41295 3277\* 3300\*  
     61847\* 103201\*  
   Hungary 21876  
   India 3263  
   prevention 71681\* 103322\*  
   transmission 3228  
   treatment 51524 71740  
 injuries 3227 103193 12744\*  
   41352\* 71642\*  
   reviews 103293  
   treatment 12573 81833  
     12592\* 92070\*  
 Ireland 51622  
 Italy 41403\*  
 Japan 31061\*  
 judging 7165 12775 21949  
   41402 61600\* 92107\*  
 labor 45613\* 66923\* 86735\*  
   Czechoslovakia 16638\* 56199\*  
   Germany 64388\* 97657\*  
     Hungary 45547\* 45591\* 56188\*  
     Rumania 26534\* 66527\*  
     statistics 66489  
     USSR 7716\*  
   lactation 44285 3311\* 3330\*  
   reviews 51486\*  
   leasing 7997  
   legal aspects 3335  
   legislation 55505 107566\*  
   litter 13989 12770\* 12774\*  
     84563\* 92118\*  
   locomotion 22442 62958 104553  
   losses 25916 103222 103409  
     105133 16225\* 81826\* 86162\*  
     86164\*  
 Marajo 12761\*  
 marketing 25899 25915 35052  
   35057 35060 45040 45052  
   55468 55481 55505 75576  
   87493 97106 107621 107622  
   107627 55476\*  
 Austria 55473\*  
 Canada 65852 97105  
 China 97100\*  
 European Economic Community 7145\* 45046\*  
   France 7145\*  
   Georgia 25913  
   Germany 75590 3319\* 25912\*  
     65853\* 65855\* 97119\*  
     East Germany 75583\*  
   Great Britain 25903  
   legal aspects 7153  
   25916 65873\* 75580\*  
   legislation 7155 55479  
     107637  
   Netherlands 75579\*  
   Nevada 35049  
   New Zealand 35059  
   North Central States 65874 65875  
   Ohio 7147 65863  
   Pennsylvania 45048  
   Poland 35038\* 55472\*  
   Sweden 30947\*  
   USSR 97096\*  
   35083  
   Western States 35083  
   Yugoslavia 55477

## Item

## Livestock--Cont

Mauritania 81902\*  
 meat production 12767 31028  
   35001 3325\* 18792\* 61928\*  
   66823\* 71870\* 81724\* 81911\*  
   92042\*  
 Austria 35028\* 41404\*  
 Brazil 71876\*  
 conferences and congresses 61924\*  
 effects of breeding 52132 3030\*  
   3326\* 41409\*  
 effects of disease 12555 71783  
   92085 41355\* 61866\* 75575\*  
 effects of drugs 30930 41223  
   3296\* 21897\* 71735\*  
   reviews 41323\*  
 effects of feeding 51456 21749\*  
   30807\* 61620\* 61654\* 71663\*  
   91854\* 103151\*  
   reviews 103115\*  
 Italy 51629\*  
 Poland 3318\* 81886\*  
 USSR 51453\* 81926\*  
 mechanization  
   Czechoslovakia 64368  
   Germany 5659\*  
     East Germany 5687  
   Great Britain 15033\*  
   Hungary 33588  
   Japan 73930\*  
   Poland 73956\*  
   USSR 53656 53683  
     73967\* 84318\*  
 metabolism 41275 51548 71718  
   71812 81881 91908 92008  
   92014 92041 103193 103219  
   103277 103381 3066\* 3079\*  
   3265\* 51472\* 51589\* 71708\*  
   71800\* 81719\* 81864\* 91884\*  
   91982\* 92011\* 103155\* 103298\*  
   conferences and congresses 61751  
   reviews 91982\*  
 milk production 21954\*  
 mortality 71756 12692\*  
 mountain areas 12764\*  
 multiple births 30937\*  
 Netherlands 81972\*  
 New Zealand 103402  
 Norway 12757\* 71852\*  
 parasites 30869 30878 45063  
   61721 91965 103222 103290  
   103349 3156\* 12680\* 51496\*  
   51578\* 81749\* 81805\* 92015\*  
   Brazil 71705\*  
   Bulgaria 30943\*  
   conferences and congresses 3110  
   71774 83209 103341 103306\*  
   control 30899 32724 81771  
   103139 30839\* 61722\* 61847\*  
   reviews 81839\*  
 immunization 21896  
 India 81820  
 Indonesia 61690  
   reviews 41264  
 Pakistan 92101\*  
 Poland 81894\* 92101\*  
 Uruguay 61750\*  
 parturition 3035  
 pedigrees 41198 71600 91797\*  
 pest control 3320 13966 13989  
   32727 37132 73156 73169  
   81738 94168 105110 105142  
   14042\* 32664\*  
 Alabama 73149  
 biological 105112\*  
 chemical 42539 63438 63469  
   83145 94060 83271\* 94185\*  
   94188\*  
 China 105109\*  
 Great Britain 23116 83214  
 Hungary 32652\* 32691\*  
 India 4694  
 New Jersey 23141 32676  
 reviews 81839\*  
 Tennessee 32724  
 tests 14052  
 USSR 14049\* 81924\* 94153\*  
 pest resistance 13984 14045

\*Text of this reference is not in English.

	Item				Item				Item		
Livestock--Cont				Livestock--Cont				Livestock--Cont			
pests	14071	32717	61801	products--cont				shelters	15287	15289	64614
103290	81749*			contamination	55483	63451		33874*	106439*		
Africa			5351	65882	81658	103309	107601	shows	51628	81628	12763*
Albania			32698*	41364*				41392*	61933*	103407*	
Australia			14035	costs and returns	107563	16810*		situation and outlook	25824	55516	
California			42401	directories		25828		107563	16183*		
Ceylon			23166	keeping quality				Africa		55415	97050
conferences and congresses	103306*			reviews		86224*		Argentina		65822*	
Czechoslovakia	94068*			marketing	7138*	7191*	24412*	Austria		44987*	
Indonesia				35056*	55478*	96147*		Belgium		25826*	
reviews			61690*	microorganisms				Bulgaria		56530	
Poland			83256*	reviews		86224*		Canada		107557	
Rumania			94100*	Norway		61625*		Chile		30792*	
Sudan			32687	pest control		4884		China		65791	
USSR	4702*	14024*	63474*	Poland		65804*		Colombia		45480*	
94097*	94129*			processing	7191*	65948*		European Economic Community		7091*	
poisoning	3138	4749	12502	proteins	98390	87745*		France		54701*	
21815	23178	31016	41265	quality		107563		Germany			
41337	41347	61775	61815	regulation and inspection		55499		East Germany	34973*	45000*	
61861	61884	61877	63469	12596*	27260*	75597*	103238*	Great Britain	30854	65800	
71697	71726	61744	71781	Rumania		97038*		Italy	25814*	45002*	
81857	91932	91960	103375	sanitation		75597*		55394*	56985*	74299*	86253*
107524	3267*	12571*	12647*	situation and outlook		25795		107587*			
30847*	32575*	32716*	41268*	84752	97034			Japan	85557	34994*	97064*
41342*	41364*	51494*	51495*	spillage				Kentucky		65817	
51523*	61709*	61852*	61863*	statistics	7228	25997	97174	Mexico		97786*	107577*
71777*	73078*	91924*	92077*	15479*	86255*			mountain areas		55423*	
103163*	103320*			trade	27184	76807	87678	Poland	25803*	26433*	55398*
Australia		91958	103267	103376	27233*	27260*	36256*	65197*	65808*	75510*	75522*
Canada			91994	Denmark			87666	97172*			
Czechoslovakia			61710*	Europe			87678	Republic of South Africa		97036	
Germany				Japan			36256*	Sicily		55423*	
East Germany		91911*		Poland		27231*		Southeastern States		107582	
Great Britain	30918	103301		transportation		65872		Spain		55419*	
India		92003		vitamins		98409*		USSR	34989*	75525*	107573*
Iowa		41310		psychology	3064*	51623*		Somali Republic		97694*	
Nigeria		21871		purchase and sale programs		65867		statistics	25824	26003	35137
North Dakota		41276		55472*	97096*			35142---	35144	55558	65680
Poland		51478*	61706*	97098*				107696	65958*	65959*	65960*
reviews	61752	61834	83173	records and testing		12759	103386	71848*			
105093*				61604*	81633*	92115*		Alabama		35145	
Senegal			12605*	reflexes				Argentina		55555*	
Sweden			87881*	reviews		83173		Australia		55430	
treatment			105147	regulation and inspection		3143		Brazil	25995	65955*	
Poland	71864*	71869*	103235*	3271	55505	75964	81876	California		16259	97173
policies and programs				103212	103374	27260*	103189	Canada	25997	64914	97174
Chile			30763*	103238				Connecticut		54348	
China		65824	76222	Australia	3214	21872	81792	Costa Rica		55557*	
Costa Rica			16191*	Canada	3127	21816		Georgia		25913	
developing areas			55408	Czechoslovakia		31056*		Germany	25999*	34227*	65956*
Europe			107591*	Germany	45059*	45071*	55502*	75667*	86257*	97179*	107693*
Germany				75599*	81766*			East Germany		65961*	
East Germany	44411*	97061*		India		30855		India	44122	65957	
103390*	103398*			Lebanon		30903*		Italy	86253	107587*	
India		34984		Republic of South Africa		92085		Japan		34842*	
Italy	7095*	43778*	86103*	Rumania		81915*		Louisiana		7228	
86810*	91883*	96098*	107565*	Sweden		30947*		Missouri		16265	
Ivory Coast			97809*	research methods				Netherlands		75668*	86256*
Japan			86121*	linear programming		15772*		North Dakota		85063	
Kenya			86097	statistical	3321	61614	65954	Panama		86255*	
Korea			107592	55476*				Pennsylvania		34216	
Mexico		55389*	55391*	research programs	107553	61927*		Poland	65953	7225*	35138*
Mozambique			65812*	71867*				65805*	97172*		
Philippines			75528	respiration	30838	92060*		South Carolina		26002	85067
Poland			65805*	respiratory diseases	30906*	31032*		107695			
Republic of South Africa			25819	restraint		64621*		Spain		55560*	
55418	86105			reviews		94635*		Sweden		86252*	
Rumania			25797*	Rumania		71843*		USSR	16263*	16264*	25996*
Sardinia			61938*	sanitation	3144	3206*	12614*	Wisconsin		86259	
Yugoslavia			75533	15293*	21946*	27233*	30860*	study and teaching	3316	71842	
predators	31045	81897	81927	61654*				71883	107579	108733	41297*
pregnancy	81750	91920	91955	Australia		51626		California		103391	
3304*	81879*	103186*		conferences and congresses		41319*		Costa Rica		103388*	
prices	35083	45072	55513	Italy		103217*		Florida		107561	
55516	86198	107578	97096*	Japan		31040*		France		41393	
products	81900	3326*	16210*	Poland		81886*		Germany			
71871*				study and teaching		103299*		East Germany		103412*	
analysis and composition			24371	Tennessee		32724		history		71847	
107601	31015*	41226*	84807*	USSR	81819*	81828*	81928*	India		71872	
and disease			51469	selection	41198	61614	103077	Indiana		71866	
12651*	51443*	91928*		21724*	21725*	21729*	27473*	Poland	71865*	71884*	92112*
bacteria	103272	3252*	25862*	31071*	61600*	61603*	91785*	92120*			
canned			107648*	91788*	91789*	91795*	91802*	subsidies		16765*	
conferences and congresses			7191*	103075*				Sudan		97693*	
consumer preferences			7138*	Senegal		61930*		Sweden		41398*	
consumption	35029	35030*						Switzerland		71882*	

\*Text of this reference is not in English.



			Item		Item		Item
Livestock--Cont							
Taiwan			41397*		26183*		Locusta migratoria--Cont
Tanganyika			31059*		95157		rearing and breeding
taxation	56143	56144	66459				respiration
108165	16605*						Locusta migratoria manilensis
temperature	41275	41325	41374		62516		106108*
61665	81740*				94308		Locusta migratoria migratorioides
reviews			83742		84016		23918
terminology	21734	22349*	92116*				anatomy and physiology
theft			7141				106084 43313*
touch			61911*				digestion
trade	8226	76807	87623				habits and behavior
103376	27260*						molting
France			45008*				populations
Italy			45008*				Locusta migratoria tibetensis
transportation	12595		65872				Locustana pardalina
71700*	86162*	86164*					23070
Australia			7141				Locusts (Hemiptera) SEE Cicadidae
by rail			75581*				Locusts (Orthoptera) SEE Grasshoppers
by truck			25914				and locusts
by water			45045				Lodgepole needle miner SEE Recurvaria
Germany							milleri
East Germany			75589*				Lodgepole pine SEE Pinus contorta
Ohio			7147				Lodging
Poland			16225*				barley
Tropics		46750*	51619*				27975
Uganda			12746				corn
USSR	81903*	81922*	81928*				cotton
92111*							70788
United Arab Republic			97696*				flax
viability		3038*	12742*				grain
Vietnam			71880				18967*
virus diseases	12576	12751					18934
51469	81730	3240*	12579*				5782*
21844*	41344*	51585*	61826*				78823
61835*	71782*	81851*	91953*				47714
91972*	103225*						106321*
control			51464				99399*
Finland			71712*				rice
Germany			92081*				28522
immunization			81829*				18760
prevention			61700*				37955
reviews	81777	12677*	81847*				68816*
transmission	30869	41367					19047
94219			61781*				47955*
treatment			71807*				47972*
USSR			61896*				48401*
waste			75652*				48691*
bacteria	81907	22569	85530				58500*
feed	52199	25081*	32383*				89584*
71624*	72947*						39605
waste utilization		65846	7134*				Loerzingia n g
16210*							Loess soils
watering	43871	91806	30784*				Bulgaria
41201*	51439*	91900*					Europe
watering equipment	33637*	74011*					Germany
74285*							11246*
weight and measurement		12678					101757*
31034	51468*						East Germany
Western States		21950					11260*
wild		92123					60279*
SEE ALSO Anesthesia; Immunization;							80461*
Livestock insurance; Slaughtering;							Iowa
Veterinary medicine; Young live-							60292
stock; names of animals, anatomical							Israel
parts, body fluids, diseases and							60268*
other pathological conditions, oper-							Poland
ations, parasites, pests, predators,							91361*
and products; and UNDER Poisonous							97742*
plants							60652*
Locust days							91220*
Colorado			72323				91223*
Kansas			81656				80199*
Louisiana			92122				80587*
Michigan			104944				Loffler's syndrome
Missouri			92126				Log ponds SEE Ponds
Ohio			52493				Log scaling SEE Logs, weight and
Oklahoma			81670				measurement
Oregon	4451	32564	72893				Loganberries
82333							42700
Livestock insurance	45529	66451					Loganiaceae
97632							Loganosiode
Italy			26506*				Logging
Madeira			26508*				51068
Poland			86685*				61336
Portugal			35505*				102861
Sweden			97635*				102863
							bibliographies
							California
							12224
							102865
							91654*
							conferences and congresses
							61310
							61324
							102870
							costs and returns
							51044
							61330
							102870
							40764*
							California
							61298
							Canada
							12212
							Norway
							2913*
							Portugal
							91662*
							Southern States
							12215
							Sweden
							21400*
							21426*
							Taiwan
							51072*
							51081*
							51082*
							81345*
							USSR
							102548*
							Czechoslovakia
							30497*
							71405*
							Denmark
							102850*
							directories
							51046

\*Text of this reference is not in English.

	Item				Item				Item		
Logging--Cont				Logging--Cont				Logs--Cont			
effects on insect populations	4906			study and teaching	61303	61338		marking			51043
effects on site	11808	50374		Sweden		71396*		moisture			30560*
61188 61190	61334	79996		Switzerland		51187*		pest control	42748	83532	23390*
81341 102812	12144*	30300*		terminology		40751		23391*	51125*	53046*	53048*
99780*				USSR	71059	51040*		105354*			
equipment	30513	51056	51058	Western States		81318		pests	4906	23381	23591
51069 81305	30507*	40781*		SEE ALSO Slash; SUBHEAD cutting				73593	83577	32900*	
Australia		30519	91653	systems UNDER Forests; names				preservation			51134
California			61298	of cutting systems UNDER Forests				21460*	40839*	40852*	51125*
Canada		12217	12225	and names and classes of trees;				51133*	105354*		
China		51050	51051	SUBHEAD forest UNDER Roads;				quality *		61022	81448*
conferences and congresses	102853			and SUBHEAD harvesting UNDER				salvage	12235	21376	21519*
Finland		12208*		names and classes of trees				sawing	12217	12235	21434
Germany	21395*	40755*	81296*	Logs				21439	30527	40794	40892
Great Britain		102854		bucking		91665		51090	91674	2916*	12233*
Hungary		91651*		care and handling	30556	102852		30507*	40783*	40787*	51091*
India		30479		21400* 21425*	30490*	40894*		71410*	71411*	81350*	102878*
Italy		30492*		71388*				103052*			
maintenance and repair		51049		care and handling equipment		12219*		seasoning	41118	61552	21447*
61295 71401				21410* 30492*				21448*			
Norway		40762*	40767*	costs		102932*		statistics	61393	91702	91706
Netherlands		71384*		damage	21407	81442	12223*	storage	81442	2897*	2900*
parts		61305		21408* 21460*	30560*	32900*		12276*	21408*	21453*	21460*
Poland		81343*		51060*				51094*	61328*		
Rumania		61318		decay	30556	81376	12276*	Australia		40845	81427
Sweden		91668*		30555* 40852*	51125*			Canada			51169
tests		61297		defects	2949	12325	71379	Norway		81301*	81333*
USSR	102515*	102525*	102871*	2897*				Poland			51085*
Finland	2902*	12220*	30501*	grading and standardization		2949		Sweden			61328*
51071* 51075*	91656*			12325 61392 71440	91709			trade			
Germany		12231*	40785*	102932*				Hungary			51172
Great Britain		30518*		Canada		51169		Japan			40745
hazards and safeguards		40752		Europe		91703*		New Zealand			40745
61337 81325 61304*	81320*			Finland		51176*		transportation	81442	51187*	81309*
history	51065	81310	91661	Great Britain		102929		Africa			51125*
2905*				Southern States		102923		by air		21429	30503
Hungary			21390*	hauling	61319	71397*	81309*	by rail	21510	30494*	102874*
India		30482	81331	by cable	21424	30503	51055	by truck	12218	21511	30509
Ivory Coast			50544*	51070	61302	71385	81297	81292	30515*		
Japan		51063*	81304*	21406*	21419*	21421*	30491*	Australia			30495
labor	30493	61322	12232*	30498*	40758*	71391*	81312*	China			71390
Austria			2903*	81329*	81334*	91664*		Finland		71387*	102874*
Canada		2913*	61333*	Bulgaria		102867*		Japan			40759
Czechoslovakia		30515*		Canada	12226	30487		Norway		21425*	40769*
Denmark		102851*		Finland	30511	40771*		81342*			91652
Finland	2907*	21413*	71398*	France		81321*		Pacific Northwest			91652
Germany		21427*		Germany	91669	91657*		Sweden		30481*	71404*
Japan		30491*		Hungary		40768*		Taiwan			81346*
Norway		2913*		Japan	40760	71392	81298*	by water			81299*
Southern States		12215		81316*	81327*	81328*	81344*	Austria			12229*
Sweden		71389*		mountain areas			91655*	Finland		61326	91663
Switzerland		30510*		Sweden		21391*		2899*	2904*	2903*	2909*
USSR		102868*		Switzerland		12230*		21420*	40776*	71393*	102873*
Malaysia	2914			Taiwan		81338*		102874*	102875*		
mechanization	21411	21416		by horses	71380	21399*	61316*	Louisiana			12228
30514 71395	81302	81549		61331*				Norway		21409*	61312*
Canada	12211	12212	30488	by sled	51052	61302	61321	Sweden		12223*	51184*
81332				61323				71402*	71406*		
Finland		40770		by tractor	21407	51047		cooperatives			21420*
Germany			30225*	51056	51058	61308	2901*	costs	21426*	51184*	71402*
East Germany			40757*	12214*	30484*	30496*		81321*	102873*		
Ivory Coast			30224	China			51051	Czechoslovakia		2912*	21398*
Japan			81333*	Finland		102862*		Finland	102864	21404*	21418*
Norway			30484*	Japan		71394*		51183*			
Poland			81303	Norway	40750*	40780*		Germany			
Southern States			40761*	Sweden		40756*		East Germany			12232*
Sweden	21428*		50736*	USSR		102876*		Norway		40749*	40772*
USSR	51064	50714*		costs	21407	102855	21417*	transportation equipment			12208*
102869*				30491*	81321*			21396*	81300*		
Minnesota		21414		Finland		21422*		tree-length			12217
Netherlands		21393*	61331*	Germany		30485*		weight and measurement			11985
New Zealand		91659	50626*	Hungary		21390*		30244	30251	61401	80967
New England States			91654*	Japan	81308*	81313*	81315*	102853	102865	21400*	30587*
North Carolina		102858		81339*				40764*	40910*	51177*	60995*
Norway	40762*	40773*		Norway		51060*	51076*	61389*	71393*	71404*	71437*
Pacific Northwest			91652	Taiwan			2896*	102930*			
Peru			51079	USSR		102872*		SEE ALSO Veneer logs			
Philippines			81317	hauling equipment	12210*	81300*		Logwood SEE Haematoxylon			
Poland			21405*	loading	81336	30481*	71377*	campechianum			
research methods				loading equipment		12225	61319	Loiasis	4781	14076	14077
linear programming		61294*		51077*	91667*			Lololide			78969
statistical		61306		marketing		51173		Lolium			28677
Rocky Mountains		61260		Canada		16992		anatomy and physiology			10074
Scandinavia		91658*		Finland		61396		37840	58504	89332	1155*
situation and outlook		71386		France		12324*		80415*			
South Dakota		51054		Germany		21513*		biochemistry			89819
statistics	21402	30520	51074	Great Britain		2945		breeding			38818*
				Switzerland		51187*					

\*Text of this reference is not in English.



	Item			Item			Item	
Lolium--Cont			Lonicera pileata		98987	Loxosceles		53221
culture	89331	79262*	Lonicera tatarica	37354*	90480*	bibliographies		105555*
ecology	47697	88976	Lonicera xylosteum		77297*	Loxosceles laeta	32694	4757*
feed	30918	82839	Loniceraphis n g		5415*	Loxosceles reclusus	52780	105094
93617	93624	93688	Loniceroides		88279	Loxoscelinae		105555*
fertilizers		80415*	Lookout towers	71326	12161*	Loxostege frustralis		95553
fungus diseases		348	Loose housing		74206	Loxotropa laticeps		73620*
genetics	37840	798*	cattle	24220	24230	Lubrication SEE UNDER Equipment and		
harvesting		82839	15295*	15298*	64594*	names of equipment and vehicles; Hides		
injuries		239	72297*	72346*	72359*	and skins		
nutritional deficiencies		100459	92386*	92616*	92624*	Lubricants	106413	33767*
proteins		798*	96406*		53929*	74128*	95914*	53796*
seeds	16390	28662	Bulgaria		41721*	Lucanidae	5183	14525
soils		100459	Denmark		106463*	94990		53256
varieties		38846*	France	33863*	84682*	Lucanus cervus		23617
yields	58504	89332	Germany		96006*	94840		33096
80415*			East Germany	5911*	31176*	Luceria		105962
Lolium italicum SEE Lolium			31185*	31201*	74209*	Lucerne SEE Alfalfa		
multiflorum			Great Britain		15313	Luciferase	63951	94847
Lolium multiflorum		69578*	Hungary	24218*	31347*	Luciferin		920
anatomy and physiology		19231	53915*	95995*	51953*	Lucijet		14002
48154	78664	78854	Indiana		53949	Lucilia		83957
biochemistry		59021	Iowa		64610	Lucilia ampullacea		64044*
breeding		79327*	Italy	5915*	15315*	Lucilia caesar		64044*
culture	19472	48919*	33627*	43778*	43782*	Lucilia cuprina SEE Phaenicia cuprina		
90118*	100909*	59341*	64599*	64616*	74195*	Lucilia illustris	14587	63489*
fertilizers		70652	74216*	84645*	92632*	Lucilia sericata SEE Phaenicia sericata		
genetics	9551	47900	103922*	106438*	64611*	Luciola		94908
harvesting date		1636*	Japan	64607*	108440*	Ludwigia	18672	88364
hybrids		47900	Latvia		24253*	Ludwigia parviflora		14561
seeds	16380	16393	Netherlands		84405*	Luffa		26899a
97435	1636*	28674*	New York		33865	Luffa cylindrica		88752
vernalization		19185*	New Zealand		12868	Lugol's solution		62764*
varieties		69517*	Norway		22296*	Lulworthia		68517
Lolium perenne	9827	69578	Poland	3759*	84695*	Lumber	21530	30598
anatomy and physiology		10120	Rumania		24227*	61407	61409	64670
19135	28035	48400	Sweden	22294*	31496*	71447	71448	91712
58806	73115	78448	USSR	31502	3733*	102938	12336*	12337*
78854	89468	99876	33859*	72261*	24222*	103066*	21488	21496
1071*	68881*	78969	Yugoslavia		3660*	advertising	21516	21521
biochemistry		69559	swine		13859*	21516	21521	30577
breeding		104999	Loose kernel smut		68168	associations	21494	51157
contamination		58806	sorghum			102931		40925
culture	19620	58674	Loose smut			Australia	40915	40921
69559			barley	9617	47373	51196		40925
cytology		18527*	Lopharia		78267	care and handling		40902*
ecology	58144	89006*	Lophiaceae		88546	conferences and congresses	71438	2958
fertilizers		50172*	Lophira procera		190	51158		2953*
genetics	47900	78854	Lophocereus		81579*	consumption	30601	51181
germination	9827	48385*	Lophocolea		46882	21522*	102849*	40765*
hybrids		47900	Lophodermium pinastri	27208a*	57974*	costs and returns	30505*	61370
irrigation		69559	57975*	57997*	68142*	decay		30532
pests		42577	Lophomutilla		64139*	defects	2961	81452*
seeds	16380	16393	Lophopetalum		91762*	Denmark		12315*
varieties		69559	Lophophora williamsi	90784	39620*	dimension stock	30540	
virus diseases		18290	Lophopidae		23773*	41174*	51161*	30592
77926			Lophops		23773*	directories	2946	2952
Lolium rigidum	10471	48400	Lophostigma seabrai		64140*	102925*		30550
88756			Lophozia		17833*	finishing	12327	30545
Lolium temulentum	668	48080	Loquats		28837*	40802	40804	40805
44850*			57897*	99462*		40821	40837	40863
Lomamyia latipennis		73906	Loranthaceae		18625	51106	51109	51110
Lomandra		36854	Australia	8670	46819	51113	51117	81359
Lomatogonium		17771	47711			81363	30536*	40799*
Lombardy poplar SEE Populus nigra			Malagasy Republic		77303*	40814*	40816*	40817*
Lonchaeidae		83970*	North America		37810	81361*		51018*
Lonchoptera		14685	Loranthus falcata	20233	20306	fireproofing	40866	51127
Lonchopteridae		14685	27527a			91682	91686	102904*
Long-nosed cattle louse SEE Linognathus			Loranthus kaempferi		29366*	Germany	61403	40920*
vituli			Lordcheles n g		23559	102936*	106418*	51193*
Longans	28024*	79470*	Lorillatum SEE Leptotrombidium			East Germany		30553*
Longicornia SEE Cerambycidae			(Lorillatum)			gluing	2918	40957
Longidorus attenuatus		77899	Loroglossum hircinum		69319*	grading and standardization		12328
Longidorus elongatus		27379a*	Lorostemon		88345	12332	21512	30546
Longidorus macrosoma		77899	Lorymodes		64237*	30594	40916	51180
Longidorus maximus	27379a*	88950*	Lotagen		31274*	81420	81426*	61397
Longiductus n g		84182*	Lotononis bainesii	48925	68431	Australia		41154
Longifolyl thiocynoacetate		13996	Lotus SEE Deervetch			Canada		40897
Longitarsus	14532*	14562*	Lotus corniculatus SEE Birdsfoot			Colorado		12326
94905*			deervetch			Europe		91703*
Longitarsus ochroleucus		83867*	Loudonta n g		5524*	Great Britain		51188
Longitarsus parvulus		83334*	Louping ill	42285	94197	Japan		40923*
Longleaf pine SEE Pinus palustris			Louwerensia n g		94891*	Pacific area		12322*
Lonicera	70100	5415*	Louwerensia papuana		94891*	Philippines		81444
28272*	43182*	69286*	Loveridgacris		33448	Poland	2944*	21517*
Lonicera japonica		21242	Loxanthocereus		77394*	Republic of South Africa		71442
Lonicera nigra		77297*	Loxodera n g		88338	Rumania	2939*	2942*
Lonicera nitida		98987	Loxogramme SEE Polypodium			Taiwan		12246*

\*Text of this reference is not in English.

	Item				Item				Item		
Lumber-- Cont				Lumber-- Cont				Lumber-- Cont			
grading and standardization equipment				preservation--cont				seasoning	12244	12250	30538
51170 51178 81581 81588				Czechoslovakia	40866			30542	40822	51121	61346
Great Britain 40882 54018 54020				Denmark 61375 40842*				61351	81371	91678	102887
61391 84714 91696				diffusion 40832 40847 51124				102888	102889	102891	12249*
handbooks		21531*		51139 61358				12251*	12253*	21444*	21450*
history		30476	30568	directories	40850			30547*	30549*	40807*	40811*
Hungary			61404*	Europe	40858			40812*	40813*	40818*	40823*
India 2960 40919 91711				Germany 30551* 81388*	81397*			51107*	51108*	51114*	51119*
industry 12207 12319 30568				102897*				51120*	61350*	81365*	81369*
40888 71368 71439 80790				Great Britain 42768 61369				air	21451	30535	30634
Appalachian Mountains 2941				81379				51118	81362	91681	102885
Australia 30476 30590 30593				Gulf Coast	61357			2921*	21444*	40810*	
40888 51189				history	71422*			chemical	2922	40808	30534*
Austria		2887*		Hungary	81370*			costs			40809
Bulgaria		80936*		India 51140 51201	51358			defects		30548	61410
Finland	51185	21052*		Japan	51122*			high-frequency heating			12246*
Germany 11882* 30571*	61279*			Netherlands	91684*			12248*	30541*	51111*	61349*
East Germany	2933*			Norway	71424*			81366*	91679*		
Hungary	30591*	91694*		New Zealand	71427	71429		kiln drying		12254	21445
Japan 12321* 61286*	81421*			Pakistan	102892	102892		21449	30537	30540	30544
81430* 81432*	81434*	81435*		pressure 12302 40850	40856			30546	40801	51113	51115
81439* 81441*	81450*			40863 40957 81371	81381			51116	61347	71418	91677
Maine	51197	81424		102902 102911 12257*	40860*			91680	102886	102890	12245*
New York		91704		40861* 61364*	61372*			21444*	40810*	40820*	71415*
Oregon		40889		reviews	51147*			71417*	81364*	81367*	81368*
Philippines	50516	81445		Rumania	2925*			81616*			
Poland		50538		soaking	40853	40864		reviews			30543
Southern States		21524		Taiwan	81401*			tests			40819*
Switzerland		40404*		tests	40863 71426	21459*		vapor			61348*
Tennessee		51171		30557* 40861*	71424*	102900*		situation and outlook		12319	21093
USSR 2940 51192	21377*			vacuum	40856			102927	21117*		
USSR bloc		30109*		preservatives 21454	21456	21457		Australia		40442	40924
West Virginia		81403		40836 51128	64848	81374		Austria			2701*
Wisconsin		102859		81384 81393	12275*	83555*		Great Britain			51186
Yugoslavia		2894*		application 12257*	12258*	12285*		Japan			81431*
Italy	50537*	71067*		12296*				Southern States			30586
Japan	40918*	81453*		fire-retardant	40825	40957		Sweden			21117*
Maine		21529		51127				Tennessee			51171
manufacture 51159 51167 12320*				Germany	81397*	105361*		USSR			51192
12321* 12331*				Japan		81385*		Western States			91697
marketing 12319 12327 21516				legal aspects		102912*		stacking			81451*
21520 21521 21527 40874				Louisiana	71423			statistics	12330	21402	30588
71436 102902				New Zealand	71429			51074	51190	51191	106761
associations		81429*		Poland	40855*			storage	63688	71438	71441
Australia	40885	51189		properties	40841*			61395*	81437*		
Europe		61381*		Taiwan	40864*			strength	2959	30594	51178
Finland	40912*	102920*		tests	12297 12437	22395		81444	81455		
France		12324*		51126 51132 51138	51139			study and teaching			51034
Germany 2937* 12313*	21473*			61356 61359 61360	61377			Sweden			30572
21480* 21497*	61383*	61399*		81373 91686 2929*	12261*			Switzerland			81433*
102921*				12262* 12265*	12438*	14274*		taxation	11934*	51024*	60900*
Japan	81419*	81431*		61354* 61379*				trade	12207	40888	51037
Maine		81424		toxicity 42326 61374 4579*				71370	102847	61283*	71370*
Netherlands	51148	51174*		12284* 63308*				Asia			12200*
New England States		30585		water-borne	40856	40957		Australia	30476	40888	51012
New Zealand		102917		81381				61273	61274		
Northeastern States	2951	30583		water-repellent	21468	51123		Austria			51019*
Norway		40893*		51141				British Guiana			40744
Southeastern States	21488	51179		prices	40898	51190		Finland	51017*	71370*	71371*
102913				Denmark		30196*		102842*			
Texas		2938		Germany		81438*		France			51035
moisture 21449 71441 102885				Italy	30564*			Germany		2943*	51024*
81437* 81601*	81616*			Japan	40911*			Great Britain			51026
determination 30726 91775				New Hampshire	2935*			Hungary			12206*
51120*				Texas	61384	2938		Ireland			91649
New Zealand	30582	91710		processing 12243 21441 21443	21443			Japan	2935*	30471*	61286*
Norway		102937*		30532 30584 12323*	12329*			81287*			
overlays	81428	21514*		21525*				Netherlands			61287
packing		81449*		properties	41154	21519*		Norway			61293*
preservation 2923 12268		40815		quality	2963	21523		Poland		61289	51021*
40829 40831 40838 40844				51196 61397 71440	21409*			Rumania			21386
51110 51129 51130 51135				40807* 40812*	51114*			Switzerland			51019*
51136 51141 51143 51145				Australia	40442			transportation	21511		21518
61362 61368 71428 71467				Italy	40911*			40902*	61395*	71372*	81437*
81362 81372 81384 81389				Maine	51197			Canada			21510
81393 81400 91685 102899				Republic of South Africa	71442			Czechoslovakia			2911*
102909 2928* 2932*	12255*			71444				Finland			51183*
12256* 12266*	12270*	12286*		Rumania	2942*			France			81425*
30553* 30558*	40807*	43744*		recovery	40887			Germany	51013*	71363*	91666*
61363* 61366*	81375*	81380*		regulation and inspection	40880			East Germany			71409*
81398* 81566*	91693*	102898*		61394 2943*				Taiwan			81451*
associations		81402		Republic of South Africa	71445			weight and measurement			40880
Australia	40830	81386		sawing	21437 30528	51088		51053	51168	81423	30587*
bibliographies		30561		51093 81349 102881	21430*			81422*	81426*	81436*	
conferences and congresses		61355		21431* 21433*				West Virginia			30523
102903*								Yugoslavia			2953*

\*Text of this reference is not in English.



Item				Item				Item			
Lumber-- Cont				Lungworms-- Cont				Lutzomyia evandroi			23683*
SEE ALSO Timber; Wood; and SUB-				swine	72988	22974*	32441*	Lutzomyia longipennis			23683*
HEAD wood UNDER names and				63272*	72989*	83014*		Luzula	88295		88334*
classes of trees				control			32541*	Luzula purpurea	9478		9486
Lumbering				treatment		42324*	52641*	Lyase			100647
Finland			71403	Lunidin			10250*	Lycacides argyrognomon			95519
history	40753	61299	61317	Lunidonin			10250*	Lycacides melissa			95519
70925	102859			Lunularia cruciata	69134		57679*	Lycaena dispar			64179*
Japan	30504*	30506*	30529*	78694*				Lycaena dispar gronieri			64179*
labor	51067	11879*	81326*	Lupanine	69167*	89788*		Lycaena helloides group			23834
81330*				Lupeol	71521	78942		Lycaena hermes			95541
legal aspects			102859	Luperodes nimbanus		5203		Lycaena nivalis			95489
Sweden			2908	Luperus		105622*		Lycaena pontica			95374*
Switzerland			11969*	Luperus (Calomicrus)		94905*		Lycaenidae			
Taiwan			81451*	Lupine				abnormalities			95525
USSR	40455*	40784*	70999*	anatomy and physiology	9821	27731		Africa			5500
SEE ALSO Logging; Sawmills				27991	28101	89572	100233	California			95462
Luminescence				9928*	48436*	68672*	89372*	Colorado			23834
insects	5131	5132	5145	99606*				cytology			95465*
53264	73554	105674	33118*	biochemistry	19271	19315	27744	food and host plants	23834		53472
100227*				28353	48531	89906	10227*	95462			
reviews			83875	10257*	48595*	59087*	78916*	France			64179*
plants	1216	9409	46696	79081*	89788*	89910*	89915*	geographic distribution			95393
58698	78727	89348	27911*	89921*	89934*	89959*	100693*	Germany			105961*
48422*	100227*			100713*				Great Britain	5548		95525
Luminescent analysis	24833*	54512*		breeding	48854*	59087*	69551*	habits and behavior			95500
Lumpy jaw SEE Actinomycosis				99613*				larvae			95410*
Lumpy wool disease SEE Mycotic der-				culture				life history	43260		95433
matitis				Germany		1819	2789*	New Hampshire			23891
Lunar rhythm SEE Biological clocks				Poland		48864*	59323*	Pacific Northwest			95392
Lunaria rediviva	36893*	98912*		Republic of South Africa		48916		populations			5548
Lunaria seed oil		26098		Sweden		38816*		reproduction			33385*
Lunasia		48534		USSR	19634*	40705*	60343*	Senegal			5551*
Lunasia amara		10250*		71186*	79304*	102787*		Spain			73820*
Lundstroemia parthenogenetica		33149		defoliation		1575*	28696*	taxonomy	5510	33400	43300
Lung flukes	52013	13088*		disease resistance		37847	47367*	64232	95542	95374*	95409*
Lunger disease SEE Pulmonary adeno-				69551*				95528*	106006*	106053*	
matosis			92060*	ecology		27431a	99782	West Indies			95393
Lungs				effects on soils		38824	2789*	Western Hemisphere	5503		23837
buffaloes		22172	62202	21215*	29574*	29869*	30278*	64183	95396		
cattle	12932	13367*	31024*	39769*	61056*	71186*	71203*	Lycaenopsis argiolus grisescens			95409*
diseases	3637	3713	12933	fertilizers		39898*	70647*	Lycaste			59760
12934	12935	22172	62186	forage plant		38824		Lycaste macrophylla			67826
chinchillas		13315*	62414*	fungus diseases		18093*	47367*	Lychee			
dogs	31024*	41744*	52057*	88831*	99540*			anatomy and physiology			19032
62528*			62495*	genetics	27731	27744	37847	9916*			
horses		13367*	31024*	9627*				biochemistry			69200
mice			104168	harvesting		1575*	7424*	culture			101163*
minks			62571*	hybrids		27731	59087*	drying			55128
poultry		31902	62792	morphology			89098*	injuries			57862
reviews			103293	pests			73817*	pests	5424	105259*	105287*
ruminants			12665*	planting	101015	28664*	28701*	pollen			18652
sheep		4423*	52465*	59334*	59348*	90168*		spoilage			15991
82854*				propagation				Lychnis			18298
swine	52625*	82980*	83060*	seeds	19616	89572	100713*	Lychnis alba			18519
83065*	104916*			7424*	19634*	88831*	100233	Lychnis alpina			89078
Lungworms	92018	3313*	30908*	98969*			90168*	Lychnothamnus			68473
51542*	92097*			soils	27431a	27991*	48864*	Lycia hirtaria	5488		53508*
asses			72485	storage			15770*	Lycidae			53278
buffaloes			103714*	taxonomy			98969*	Lycium			88299
camels			42177	toxicity			13558*	Lycium afrum			88299
cats			22321	varieties	19616	38824	39898*	Lycium barbarum			88299
cattle	51923*	72133*	72291*	79304*	79347*	90194*		Lycium cestroides			101339*
82218*				virus diseases	9198	37455*	58112*	Lycium chinense	28334*		29406*
control	3563*	62222*	103901*	68260*	99606*	99614*	99617*	29423*			
diagnosis			12971*	control	68261*	69551*	99613*	Lycium europaeum			88299
immunization	51887	62373		transmission		99569*	99570*	Lycnontine			79069
72167*	72189*			weed control		39510	79770*	Lycopene			58677*
India			3520	yields	28664*	70647*	79347*	Lycoperdon	37992	59061	47008*
Poland			31481*	Lupinus SEE Lupine				Lycoperdon curtisii			46992
Portugal			103890*	Luteinizing hormone		52143	82849	Lycoperdon pedicellatum			99077
resistance			3548	92432	104197*			Lycoperdon pusillum			188
reviews			103740*	Luteoarsenotungstic acid				Lycoperdon subpratense			46992
Rumania	103810*	103850*	103879*	Luteolin		55001	19317	Lycopersicin SEE Tomatin			
treatment	12982*	41611*		Luteotropic hormone SEE				Lycopersicon	27776		68635
72309*	103639*			Luteotropin		52138	82493	Lycopersicon esculentum SEE Tomatoes			7875
USSR			3606*	effects on cattle		41688	72284	Lycopersicon hirsutum			78238
dogs			31551	effects on guinea pigs			13417	Lycopersicon SEE Lycopersicon			
eradication			12690*	effects on pigeons		31756	93176*	Lycopodium	8798	77330	79069
sheep	4385	52430	104673	reviews			31980	88426	8774*	79062*	
13704*	32247*	32258*	52422*	effects on poultry				Lycopodium annotinum			57668*
82820*	104658*			reviews				Lycopodium phlegmaria			19401*
control			22844*	effects on rabbits			31980	Lycopodium selago	18607*		39593*
diagnosis			12971*	effects on rats			41871	Lycoridiae SEE Mycetophilidae			
resistance			4416	effects on swine			52578	Lycorine			78900
transmission			22808	Lutzomyia			14665	Lycoris	8764	10710	10751
treatment	42177	42211*	72846*	Lutzomyia dispar			23682*				
93641*											

\*Text of this reference is not in English.

			Item			Item			Item
Lycoris cinnabarina			10766			Lymphosarcoma	41358	92422	Macadamia-- Cont
Lycoris sanguinea			10766			cats		31625	propagation 79528
Lycorma delicatula			105858*			cattle	12977	12990	storage 44753
Lycosa baltimoriana			5073				13021	13074	varieties 79527
Lycosa chaperi			105550				13171	41565	79534
Lycosidae	33050	53204	42936*				103887	62332	79540
	94724*	94731*	94802*			Lyngbya		77457	yields 79532
Lyctidae		5167	63718*			Lyngbya majuscula		27564a	Macadama 105962
Lyctus			14267			Lyonetia clerkella	83400*	105918*	Macairea 88345
Lyctus africanus			5167			Lyonetidae		4872	Macalla 64237*
Lyctus brunneus		14259	23401			Lyophilization SEE SUBHEADS freeze-			Macaroni 34940
Lydella grisescens	SEE	Lydella stabu-				drying; lyophilization UNDER specific			Macdonaldius oschei 57138
lans grisescens						subjects			94716* 105097*
Lydella stabulans grisescens			32742			Lyophyllum aggregatum		47037*	Machaeranthra 77418
	42632					Lyophyllum constrictum		47038*	Machaeranthra pinnatifida SEE Aster
Lygaeidae						Lyrranea n g		14442	pinnatifida 53408
Africa		73723	95267*			Lyrranea persica		14442	Machaeropsis 53408
anatomy and physiology	5375	23771				Lysandra albicans iriensis		95528*	Machaerota 53408
Asia Minor		95245*	95247*			Lysandra coridon		73820*	Machilidae 5607*
Australia	14736	84051	84064			Lysandra hispana		73820*	Machilis burgundiae 14984*
Bellona Island			105852			Lysergic acid	68111	28321*	Machilus thunbergii 100708*
biology	63376		84057			d-Lysergyl-L-valine methylester		59067*	Machimus sanctimontis 14630*
California			33245			Lysiana		46819	Machine tractor stations 76352*
Canada			95160*			Lysimachia japonica		98977	Czechoslovakia 56189
control	63376	105340				Lysimeters	2127	11170	26829*
Crete		95203*					11221	11239	Germany 11170
cytology		5399					49769	58936	East Germany 5677*
digestion		5380					20371*	60091	43451*
ecology	63376	84057				Lysine		11226*	Mongolia 76274
Ethiopian Region		95245				effects on Aedes aegypti		64071	Poland 84332*
geographic distribution		64122*				effects on swine	13770	13776	84333*
Great Britain	5431	5433				in algae		1406	Rumania 5711
Hawaii		5374				in animal nutrition		41242*	USSR 7828*
immature stages		53390				in bread		55290	7884* 15250*
India		14130				in cattle nutrition		92344	Machinery SEE Equipment; Mechaniza-
insecticide resistance		63376				in corn flour	36361	89291	tion; and kinds of equipment
life history		5391				in cottonseed meal		86268	Machrocheles glaber 14436*
molting		95186				in feed		13445	Machrocheles glaber group 14436*
nutrition	43149	105822				in flour		27337	Machrocheles perglauber 14436*
nymphs		23747				in forage plants		89869	Machrocheles scutatus 14436*
Paleartic Region		95269*				in human nutrition		76886	McKenzie Taylor and Gilbert test 6022
parasites	5392	105697				in Neurospora crassa		89947	Maclura pomifera 27622a
Rennell Island		105852				in poultry nutrition	31850	93152	Macluraxanthone 59095
rennification		5375					93153	82564*	Macquariella n g 94795
taxonomy	14764	23769	84052			in soybeans		86263	Macquartia tenebricosa 94994*
	95156	64122*				in swine nutrition	4499	32396	Macracanthorhynchus hirudinaceus 84201
Tibesti Massif		23744*					52536	82905	22964* 104884* 105140*
Lygaeus kalmii	5399	23771					63212*	93800*	Macracanthorhynchus ingens 63855
Lygeum spartium		78015*				in turkey nutrition	4065	4091	Macrobiotus 94733
Lygiohypotyphla		14691*				in wheat		28018	Macrobracon 73737
Lygodesmia juncea		33298				epsilon-Lysine acylase	103295		Macrocentrum 88345
Lygodium japonicum		48326*				L-Lysine hydrochloride	82936*		Macrocentrus ancylicivorus 64221
Lygus	5383	42592	43186			Lysozymes	97156	35254*	Macrocentrus marginator 73781
	105840						72633*	41633*	Macrocephalus 14742
Lygus hesperus	14745	23275	42575			Lystrenia n g		53391	Macroceras 14603
	43186	63376	63590			Lythraceae	46910	57565	Macrocheilus 14497*
Lygus lineolaris			52856				88311	57606	Macrocheilus taedatus 14497*
Lygus pabulinus		32814*	83446*			Lythrum salicaria	20350	58834*	Macrocheilus vinctus 14497*
Lyka lacca		14780							Macrocheles 23553
Lymantria dispar	SEE	Porthetria dispar							Macrocheles muscaedomesticae 53227
Lymantria monacha		14264*	14279*						13975*
	43236*	94477*							Macrocheles peniculatus 83776*
Lymantriidae		42758*	43236*						Macrocheles plumiventris 13975*
	73830*	94403*							Macrocheles rodriguezi 63888
Lymph	52428	52450	62283						Macrochelidae 23559
	82280*		82736						53167 63888
Lymph nodes			21846*						Macrochilus (Coleoptera) SEE Macro-
cats			3895						cheilus
cattle		12825	13040						Macrocoma 105675
	82224*		31407*						Macrocorsa n g 95262
									Macrocrates 94990*
dogs			72419*						Macrocrystis pyrifera 89029
goats			63126						13641* 32205*
horses			104140						63040* 99773*
mice			104207						Macrocrystis pyrifera 94861*
sheep			63126						Macrodactylus 63929*
swine		4591	63279						Macrolepidoptera
	93829	22973*	72997*						Austria 23848*
Lymphadenosis	SEE	Leukemia							Denmark 23869*
Lymphatic fistula		93170*	104305*						Germany 14880*
Lymphatic system		71797	24237						Great Britain 5517
	93878	104312	41868*						33377
Lymphocytic choriomeningitis		4583*	22474						Hungary 95538*
	31739	31740							Netherlands 33390*
Lymphocytoma			4149						53485* 53495*
Lymphocytosis			13074						95474* 95476*
Lymphoma	13116	62322	72420						Rennell Island 105962
Lymphomatosis	42064	82597	82650						Shetland Islands 33397
	93245	104466	82662*						Terschelling 64234*
transmission		52249*	52258*						Macrolophus glaucescens 95237*
									Macromischoides aculeatus 32835
									105270

\*Text of this reference is not in English.



	Item		Item		Item
Macromitrium	77439*	Magnesium-- Cont		Magnesium-- Cont	
Macromyzus	84059	effects on <i>Chlorella pyrenoidosa</i>	9762*	in sheep physiology	13672 31218
Macronadata	84149*	effects on corn	9405* 9731*	32293* 72878*	
Macronema	95665*	effects on cotton	9806*	in sheep's milk	54506*
Macronematinae	14970*	effects on <i>Eucalyptus gomphocephala</i>		in soils	11242 37923 39761
Macronoctua onusta	14215	effects on forage plants	38240 12881*	60162 11249*	11278*
Macronyssidae	105582* 105591*	effects on <i>Juniperus</i>	100247	49762* 80075*	101724*
Macrophoma	8844 26956a*	effects on legumes	2450	Denmark	80030*
Macrophoma mangiferae	47235	effects on <i>Melolontha melolontha</i>		Germany	11247* 39726*
Macrophoma tumefaciens	58035	effects on <i>Picea abies</i>	105673*	East Germany	60116 18938*
Macrophomina phaseoli SEE <i>Rhizoctonia bataticola</i>		effects on <i>Pichia indica</i>	21235*	Poland	29476* 49725* 49739*
Macrophyllic acid	3004	effects on plants	18798 944*	USSR	70517*
Macropsidius	64088	effects on potatoes	27877*	in soybeans	37923
Macropsis	95179*	effects on ruminants	21780	in sugar beets	68705*
Macropsis albae	73715	effects on <i>Scenedesmus quadricauda</i>	69322*	in sugar manufacture	107913
Macropsis fuscata	105309*	effects on seeds	38119*	in tea	96265
Macropsis marginata	73715	effects on sugar beets	9730* 48505*	in tomatoes	54976*
Macropsychanthus lauterbachii	8772	69130*		in turkey nutrition	13458 22543
Macroscelidopsylla albertyni	73891	effects on tobacco	38233*	toxicity	13408
Macroseta	84149*	effects on tomatoes	37405	Magnesium ammonium phosphate	60777*
Macrosiphoniella	84060	effects on <i>Tulipa</i>	100152	Magnesium carbonate	49785
Macrosiphoniella ( <i>Papillomyzus</i> ) n sgen	95256*	effects on viruses	18276	Magnesium chloride	32624 62679
Macrosiphum avenae	4828 42639	fertilizers	2381 60775 62424	30859* 78495*	
83357*		101955*		Magnesium glutamate	41581*
Macrosiphum dirhodum	42577	alfalfa	40005	Magnesium nitrate	60782*
Macrosiphum euphorbiae		Chinese cabbage	40081*	Magnesium oxide	3465 21605
and plant disease	14135 42564	citrus	70517*	60172 92578	
94276		corn	40069 80415*	Magnesium phosphate	50059*
control	14222	cotton	11447	Magnesium sulfate	38068 82711
food and host plants	14098	<i>Dianthus</i>	29668*	Magnetic field	14563* 33138*
reproduction	73717	field crops	2402* 49984*	Magnetic resonance absorption (by electrons)	9723 38452 55310
Macrosiphum granarium	33280	80366*		78379 78408 81834	16014*
Macrosiphum pisi		Germany	40059*	35180* 45163* 73825*	
anatomy and physiology	52825	East Germany	40059*	Magnetism	1144 29511 39720
and plant disease	42564 52825	<i>Lolium</i>	80415*	Magnets	93664 3697* 12945*
73235 105186*		oranges	20638	13079* 22168* 92466*	
bacteria	14765	pastures and meadows	12881*	Magnolia	67720
biology	33267	pineapples	60393	culture	39277
control	32752 73238 105164	potatoes	29702 20676*	Great Britain	10742
ecology	14766 95250*	Satsuma oranges	50057*	pests	84123
enzymes	52825	sugar beets	60483*	pollination	88320
host plant resistance	52825	60501*		varieties	1829 59723 90402
nutrition	52825	tea	70517*	Magnolia campbelli	39195 90401
rearing and breeding	23740	tobacco	49999*	Magnolia denudata	1831
Macrosiphum rosae	105813*	tomatoes	40081*	Magnolia grandiflora	10814 77343
Macrosporium carotae	18203*	wheat	11479*	94698	
Macrosporium solani SEE <i>Alternaria solani</i>		in alfalfa	42178*	Magnolia soulangeana	39123
Macrosteles	14747*	in animal nutrition		Magnoliaceae	697 68467 26773a*
Macrosteles fascifrons	4811 14214	reviews	81669	Magnoliavine SEE <i>Schisandra</i>	
32616 73710 105032		in animal physiology	21888*	Maguireanthus	88345
Macrostomus	14672	in apples	48024	Maguireothamnus n g	88345
Macrotermes	5605*	in barley	18584	Mahaleb cherry SEE <i>Prunus mahaleb</i>	
Macrotermitinae	43341	in blood	22788 72865 13045*	Mahogany SEE <i>Swietenia</i>	
Macrothylacia rubi	33383*	30990* 31688*	93632*	Mahonia	10795 69840*
Macrothoma palmata	63928	in broccoli	1269	Mahonia bealei	17672
Macrovaltellus mexicanus	94966	in buffalo physiology	62238	Mahonia philippinensis	10278
Macrovelidae	33254	in cattle nutrition	13153 72057	Maieta	88345
Macrozamia	701	72104 12881 13046*	22067*	Maillard reaction	24346* 51433*
Macrozamia communis	8634	72080* 92367*		Maize SEE Corn	
Macrurohelea	14639	reviews	22204* 22205*	Majorana hortensis	68291*
Maculine	19441	in cattle physiology	31218 62424	Makhorka SEE <i>Aztec tobacco</i>	
Maculine arion	5548	31307* 92471*	92539*	Makrolin	18060 23028 32578
Macusine B	48551	in corn	58397	Malachiidae	
Maddenia	68578	in dog physiology	22348	Africa	73610*
Madeira cockroach SEE <i>Leucophaea maderae</i>		in feed	3465	anatomy and physiology	95602*
Maderentulus n g	95677*	in fertilizers	80768	as pests	43026
Madhuca birchii	11035	in forage plants	48024 89497	Madeira Islands	83830*
Madioxethira	106131	103649 22067*	78673*	Netherlands	94858*
Madronin	59020	in grasses	100394	reproduction	14546*
Maedi	42203 52469	in guinea pig nutrition	13408	Malachius vulneratus	94858*
Maesopsis SEE <i>Mesopsis</i>		in <i>Lolium perenne</i>	19135	Malacodermata	23627* 73610*
Magdalis barbicornis	94398*	in milk	44291 74794	Malacosoma	95526
Magdalis frontalis	105373*	in plant nutrition	18867 27884	Malacosoma alpicolum	105919
Magellomyia illiesi	95647*	89614 18822*		Malacosoma americanum	33366 53509
Maggots SEE <i>Diptera</i> , larvae; <i>Flies</i> , larvae		in plants	60162 848*	Malacosoma disstria	42782 93980
Maghadena n g	5560*	54108* 54114*		94451 95526 105356	
Maglicada septendecim	63663 64110	in poultry nutrition	13458 13465	Malacosoma neustrium	14286 13951*
Magnesium		22543 31803 72578 72578	52183* 41999	64199* 83129* 94485*	
determination	54114*	in poultry physiology	102967*	Malacotes	95264*
effects on apples	38068	72578	98411*	Maladera brunnea SEE <i>Serica brunnea</i>	
effects on <i>Avena</i>	58662	in pulp and paper manufacture	13735	Maladera renardi	5237*
effects on beets	9405*	in rose hips	72057	Maladera orientalis	94984*
effects on carrots	37964*	in rumen			
		in sheep nutrition	22788		
		93667 42178*			

\*Text of this reference is not in English.

	Item		Item		Item
Malanga		Malathion-- Cont		Mallophaga-- Cont	
bibliographies	20356	olive pest control	14197*	feeding habits	53572*
Malaria		peach pest control	63601	Florida	53564
Africa	42473	poultry pest control	63521	habits and behavior	33489
bibliographies	4762	rat control	73096	host animal relations	53572*
63510		residual effectiveness	32755	hosts	5603 14979
California	94205	stability	94030*	23942* 64292* 94210*	95638*
Cambodia	73138	storage pest control	4892 73292	106121*	
conferences and congresses	42550	83498		India	53598*
63468 105106		sugarcane pest control	73181	Malaysia	95616
control	94063	synergism	13961	Mexico	95656
Kenya	105129	tests	83387 32612*	Neotropical Region	23943
policies and programs	23135*	toxicity		North America	73887
Portuguese Timor	4706*	dogs	73067*	Poland	106121*
situation and outlook	63400*	man	4892 63695 83153	Rennell Islands	106120 106156
USSR	4753* 73157*	83167		Rumania	43374* 106144*
control equipment	63460	wildlife	83180	Switzerland	23942*
developing areas	56015*	Malaysians in the U S	108722	taxonomy	23945 23959 73887
eradication	73154 73155	Malcolmia SEE Malcomia		95657 95683*	
94221 23168*	32667*	Malcomia	36768	USSR	14055
Argentina	32675*	Malefern SEE Dryopteris filixmas		Western Hemisphere	5631 53598*
Brazil	23135*	Maleic hydrazide		Mallophyton n g	83345
British Guiana	42483	chemistry	69078	Mallota	95028
Ghana	56808*	effects on apricots	38319	Mallotus philippinensis	69297*
Jamaica	94197	effects on avocados	78403	Mallow SEE Malva	
policies and programs	23139	effects on Azalea	38002	Malobidion	53241
South America	83250*	effects on barley	100353	Malonaldehyde	24374 84808 85999*
in philately	95135	effects on Bougainvillea	19210	Malonic acid	19290 41429 81959
Liberia	23150	effects on broadbeans	27496a 89820	20497* 27339a* 100384*	
Macao	4705*	effects on Chlorella pyrenoidosa	27987	Malpighamoeba mellificae	83663*
Mexico	94261	effects on citrus	78732*	Malpighia	25358
mice	92956*	effects on dinoflagellates	68448	Malpighia glabra SEE Barbados cherries	
New Jersey	94119	effects on eggplant	18957	Malpighia puniceifolia	19839
poultry SEE Avian malaria		effects on kohlrabi	89358*	Malpighiaceae	60041
reviews	94062	effects on lemons	78520 78521	Malpighian tubes	
Tanganyika	73136	effects on oats	78686	Aedes aegypti	23729
Thailand	4682 4768	effects on onions	9652	Anthonomus grandis	33126
transmission	4688 4689	effects on oranges	100130	Carulaspis carueli	53381*
4697 4758 23139	23145	effects on peaches	38319	Cercopidae	105844
32651 32733 32737	42515	effects on peas	78686	Dacus oleae	14647*
42517 42543 83231	94099	effects on plants	38462	Drosophila melanogaster	63999
73129* 83265*		effects on potatoes	23247 100214	23706*	
Africa	63400*	effects on rice	19063	Malt	6292 85122*
Argentina	32707*	effects on strawberries	10091	analysis and composition	7039
British Guiana	42483	27633a		44852 65689 96951	96985
Colombia	4747	effects on sugar beets	78699*	97005 6976* 16138*	24709*
Ghana	42462	effects on sweetpotatoes	55151	24729* 25765* 64963*	65752*
Great Britain	14061	89441		75413*	
Indonesia	93993	effects on tobacco	19189 78686	Belgium	44959*
Malagasy Republic	63400*	89568		enzymes	44835 44906 65688
Malaysia	4779 63520	effects on tomatoes	10059	75411 96955 107491	
Mexico	94154	effects on trees	91557	extracts	86063*
Morocco	63399*	Maleimide	25754	feed	82048 22037*
reviews	52770 63450	Malesherbia	26889a*	microorganisms	55278*
94062		Malesherbiaceae	26889a*	moisture	65776*
Tanganyika	83270	Maleuric acid SEE N-Carbamoyl		processing	34893 25573* 25605*
USSR	14025*	maleamic acid		products	97005 86026* 25765*
Upper Volta	42482 42510	Malezonotus obrieni	33245	properties	97005 86026* 86055*
42477*		Malformin	59013	107447*	
Venezuela	4708*	Maliarpha separatella	4786*	proteins	25672 64957* 65776*
Yemen	94137*	Malic acid	99118	quality	6314* 7024* 64968*
Malate	10168	bacteria	64959* 65006*	65755* 85173* 96966*	106857*
Malathion		effects on cotton	78634	tests	96955
adjuvants	32755	in cider	64983*	trade	
apple pest control	63644	in Crassulaceae	100576	Europe	27264*
aquatic insect control	63384	in tomatoes	27990*	Maltase	4187
cockroach control	83198	in wine	44238*	Malthodes	83832
cotton pest control	14121	54456* 64959* 64983*	74591*	Maltose	1287 6522 64716*
deposits	105362	74654* 85148* 85151*	96264*	85974*	
determination	73104 105362	96296*		Maltotetraose	6032 24354
effects on Culex tarsalis	4657	in yeasts	96313*	Maltotriose	24354
effects on Dysdercus koenigii	14121	Malignant catarrh	31310 12974*	Malucidin	104037
effects on plants	83180	62268* 62396*		Malus	
effects on poultry	94038*	Malignant edema	31311 52440	bacterial diseases	37412*
fly control	13962 23162	83049 13727*		biochemistry	10205*
forest pest control	63695 83180	Malignant lymphoma		genetics	37731*
105362		reviews	41373	history	69824
formulations	73104 94030*	SEE ALSO Hodgkin's disease		hybrids	1838
fruit pest control	52907*	Malignant melanoma	104818	morphology	37731*
goat pest control	105135	Mallomonas	8819	propagation	9206
in peaches	63601	Mallophaga		rootstocks	39172*
in rice bran	75365	Asia	23948	taxonomy	10205* 37731*
in stored products	74321	Australia	53593	varieties	1826 39291 69824
insect resistance	4657 13962	biology	53572*	virus diseases	9206
83198 83517		Bulgaria	64292*	Malus baccata	14200*
louse control	105135	Canada	73908	Malva	19635*
metabolites	4657	Europe	33494*		
mosquito control	4657 13962				
42540 83230					

\*Text of this reference is not in English.



				Item					Item					Item
Malva sylvestris				26869a	Manganese-- Cont					Mangoes-- Cont				
Malvaceae	37655	68542		18970*	effects on Chrysanthemum morifolium					biennial bearing		19029	38179	
89227*										biochemistry		19379	89923	
Malvaviscus				10797	effects on coffee					breeding			19029	
Malvin				85086*	effects on corn		9405*	9731*		culture	10621	28841*	90306*	
Mamakius n g				23616	effects on Deschampsia flexuosa					disease resistance			47235	
Mamersopsinae				33040						drying			34782	
Mamestra brassicae					effects on field crops			99763		fungus diseases		47235	88696	
control	14191*	73186*	94326*		effects on grapes			1240*		99395				
diapause			53465*		effects on mangoes			69038*		germination			100099	
larvae		32798*	105975*		effects on oats			19030		packing			55113	
nutrition			105975*		effects on pears			19061		pest control			94408*	
oviposition			23887*		effects on plums			38500		pests	14208	105254	94367*	
rearing and breeding			104991*		effects on potatoes		9981*	28500		pollen			18652	
test insect			104991*		effects on rice			78847		pre-harvest drop			100099	
variation			95438*		effects on sugar beets			9730*		processing			6906	
Mammary gland					effects on tea			48451		propagation	1750	59531	59535	
cattle					effects on tomatoes			58722		101138*				
51875	62283	72202	103743		fertilizers			11519*		quality		19379	100099	
103858	13053*	13058*	13166*		cabbage			80264*		refrigeration			85854	
31259*	31292*	41576*	82199*		field crops	91128		60406*		research methods				
92397*	92504*				Satsuma oranges			50057*		statistical			28839	
reviews			92505		tomatoes			91144*		rootstocks			90307	
diseases			21851*		wheat			11479*		storage	6906	34781	55113	
dogs		41763	52017*		in animal physiology			61766*		varieties	1758	19379	78761	
goats		41318	42204		in Asarum europaeum			69075*		101148				
42209	52466	104675*			in Avena			10121		Mangolds SEE Beets				
guinea pigs		13416	13417		in beans			85737*		Mangora			94692	
horses			41318		in Bombyx mori nutrition			53099		Mangrove SEE Rhizophora				
mice	41873	82487	92949*		in canned vegetables			55012*		Mangroves				
rats	4009	4013	41871		in cattle nutrition	72024		62131*		ecology	18435	68364	77988*	
41873	92973				in cattle physiology	72020*		92538*		soils	11253	20431	20851	
sheep			13666		in corn			58397		20864				
Mammea americana			59056*		in cotton			58877		Manihot dulcis			9930*	
Mammillaria			88309		in feed			103141*		Manihot esculenta SEE Cassava				
Mammillaria coahuilensis			17643*		in forage plants	27970		51434*		Manilkara			17635*	
Mammillaria kuentziana			17670		78712*					Manisuris			100044	
Mammillaria schwartzii	39252	39148*			in hay			29479*		Manna			61515*	
Mammillaria schwarzii SEE Mammillaria schwartzii					in Morus			9810		Mannans	19261	89616	96724	
Manchurian ash SEE Fraxinus mandshurica					in oats	9937		19087		96803*	100724*			
Mandarin orange juice	6821	75267*			in plant nutrition	1116		78439		Mannich reaction			107145	

\*Text of this reference is not in English.

				Item								Item			
Manures-- Cont								Manures-- Cont							
care and handling	15212	15218		USSR	2395	2416*	11445*	11542*				Mariscus			124*
53801	70886	103572	2679*		11549*	11872*	20592*	29690*				Maritime pine SEE	Pinus pinaster		
2680*	74209*	84563*			30078*	40110*	80289*	80307*				Marjoram		74646*	
Australia			24149		80326*	91123*	101837*	101909*				Markea		26825a	
Germany	51968*	70893*	60823*		Maoriella			83764				Market reports	16503	30569	30576
USSR			24158		Mapania		57587	88342*				34055	35057	35060	44001
care and handling equipment			95918		Maple SEE Acer							54147	55464	86518	
53792	53799	84562	95918		Maple sirup and sugar							California			84863
106364	43642*	43645*	43732*		analysis and composition			86497				directories			54191
53794*	53795*	64516*	74133*		associations			55934				Florida			66313
95913*	95915*	106366*			chemistry			55858				Great Britain			107264
Austria			95721*		flavor and odor			66250				Turkey			34056
Germany	15213*	15214*	24153*		industry	16468	55913	55919				Marketing boards		34060	54168
24154*	24155*	33769*	43641*		microorganisms		35368	55960				107841			
74515*	95919*				66192	66238						Markets and marketing			
East Germany		5835*	5903*		nutritive value			46481				17127	24425	24434	34041
Hungary			15215*		processing	35368	45338	55946				34047	34050	34052	34175
Sweden		43648*	53793*		97454	54434*						43980	54150	54181	74426
USSR			5837*		processing equipment			55896				84843	84871	84882	84893
cattle	70886	15213*	15215*		products			55844				106621	15409*	44026*	66824*
29724*	40385*	49953*	49978*		conferences and congresses			55844				84864*	106617*		
50012*	50166*	58904*	80776*		sanitation			35368				agreements		34744	84865
care and handling		51968*	74209*		situation and outlook			97486				as an occupation			106633
chemistry	2676	102364	90906*		statistics		26301	44807				associations	44030	64793	65503
costs and returns			2687*		study and teaching			55962				Australia			6084
Denmark	11529*	50040*	101981*		tests			66250				Austria			84842*
effects on plant disease			9152*		Mapouria			68428				Belgium		54194	43978*
Finland	49965*	101980*	91421*		Maps							bibliographies		24420	54173
France			80304*		Asia			16664*				84858	34065*		
Germany	11540*	70887*	80304*		Canada			26639				by mail			96127*
80406*					Florida			86888				California			96144*
East Germany		29665*	30080*		France			60101*				Canada			24433
70561*	80335*				Germany			27026*				China	64786	64802	64813
horses	60825	40385*	80398*		Nepal			26720				87090			64789*
Hungary	2683*	11621*	91032*		Norway			35968*				Colombia			74401
India	20742	70596	80419		SEE ALSO UNDER specific subjects							compulsory deliveries	66710		
Japan	91142				Marangua n g			73748*				55472*			34034
liquid		47641	60826		Maranta arundinacea			27285a				34035	34069	43974	74412
80779*	91135*	29807*	40087*		Marasmius collinus			47032*				84857	106599		
application	20628	70619	29724*		Marasmius graminum			47032*				Latin America			96136
application equipment			43569*		Marasmius impudicus			47032*				Western States		34131	34154
care and handling	80781*	102362*			Marasmius oreades		38582	48645				cooperatives	15408	24416	24419
care and handling equipment		5687	74129*		88770							24431	34044	34089	43989
106365	33768*	43651*			Marasmius perniciosus			9101				43990	44002	44032	46233
74131*	74132*	106361*			Marasmius wynnei			47032*				54148	54157	54182	64783
Czechoslovakia		11515*			Marasmus		12709*	51829*				64791	64792	64797	64807
Germany					Marbadal		22139*	31312*				74405	84845	84847	84856
East Germany					Marchantia		28169	68589				84860	84877	84889	
Scotland		60821*			Marchantia nepalensis			27981				Austria			106619*
storage	50435	102360*	102361*		Marchantia polymorpha		29259*	99859*				Colorado			106626
102362*					Marchantiales			8784*				Denmark		54164	74394*
transportation equipment		43646*			Maretin			62387*				France		7665*	96130*
USSR		70600*			Marganana			95172				Germany	54164	84892*	96146*
loading equipment	24055	43467*			Margarine							98229*			
Germany		15078*			advertising			7277				Great Britain		34075	54195
USSR	33587*	33601*	73948*		analysis and composition			55635				106636			
microorganisms	2681*	21035*			34345*	54523*	54534*	75706*				history			24436
21039*					chemistry			97229*				India		44011	54143
Netherlands		91418*			consumption	6406	54558*	54559*				Italy			84972*
Northern Ireland		20752			containers			97241*				Japan			24499
Norway		70485*			history			75669*				Netherlands		54164	96137*
Pakistan		80252			industry			97206*				Northern Ireland			84883
poultry		15218			microorganisms			54523*				Norway			74417*
50163	60810	80780			moisture			66048*				Pennsylvania			27150
91038	93241	60808*			nutritive value			87809*				Senegal			44000*
care and handling	53802	95917			policies and programs			107760*				South Dakota			54162
106362*					reviews			7252				Sweden	27169*	74403*	74504*
care and handling equipment		64517			situation and outlook			16330*				Taiwan			44031*
64518	106365				statistics			75722*				Vietnam			74422
feed		92345			storage			55629*				costs	34079	36157	54167
processing	30081*	40387*	50400*		vitamins			55635				106609			106607
rabbits		20610			Margarodidae	23752	53409	64098*				Europe			64856*
Rumania	91150*	101684*	101987*		Margaronia pyloalis			52935*				France			84855*
102030*					Margaronia unionalis			83437*				Germany			74418*
sheep		20507	10431*		Margattea			73852*				Czechoslovakia			24428*
storage	70886	60823*	80776*		Marietta costalimai SEE	Aphytis costali-						Denmark			7691*
91419*					mai							developing areas			26622
Denmark		102360*	102361*		Marigold SEE	Tagetes						directories	24420	24426	24427
Northern Ireland		102363	102364		Marijuana SEE	Hemp						96834			
structures		74263	43828*		Marine borers	61370	71425	102910				Europe	35659*	66624*	96126*
USSR			60822*		bibliographies			40834				European Economic Community			84899*
swine	2685	11575	95918		control	51136	61360	61362				exchanges	24692	65736	74415
5835*	50143*	80457*			71426	81401*						96833	96834	85351*	
care and handling	50060	104944			India			21463				directories		24411*	45404*
					Marionana			64237*				France	74423	45438*	76671*
												84881*	96127*	106597*	

\*Text of this reference is not in English.



Item				Item				Item			
Markets and marketing--Cont				Markets and marketing--Cont				Marrubiin			
Germany	6087*	24417*	26606*	retail--cont				Marrubium vulgare	19382	104179*	
54166*	54176*	54179*	54186*	84878	86163	86337	97311	Marsh horsetail SEE Equisetum palustre			
66857*	74396*	74414*	84841*	97339	106933	107615	45298*	Marshes			
84891*	96132*	96135*	96140*	96127*				Bulgaria		29572*	
106622*				California				China		101843*	
Great Britain	54154	54177	84839	Great Britain				Delaware		52772	
106618				Italy				Denmark	19529*	80332*	
history	6079	24410	24439	Louisiana				drainage		60619	
34084	34085	64800	74382	Ohio				Canada		29888	
84903	106637	4953*		Pennsylvania				Denmark		102134*	
France		74381*	106598*	USSR				Finland		40611*	
Hungary			77053*	Vermont				Iceland	50247*	60622*	80542*
Italy			15416*	roadside	34962	43982	96120	USSR		102598*	
Japan			97542	96121	96124	96129	96138	ecology		37592	99789
India	15413	16743	24418	96143	96145	96151	107292	Rumania		47669*	
Indonesia			84895	96127*				Sweden		68363*	
interregional			84906	conferences and congresses				Switzerland		47649*	
interstate	44634	54172	55480	Sierra Leone				USSR		37546*	
85358	85392			situation and outlook	6070	34037		Utah		88969	
Israel		44029	84910	34040	34053	34083	44023	Estonia		60259*	
Italy	6067*	15402*	34077*	43983	106600	106603	106611	Europe		89056*	
44007*	64798*	74410*	85073*	54155*				Finland		16985*	
108031*				Canada		35591	84851	Florida	1639	59533	
Jamaica			15410	Germany		34043*	74390*	France		80534*	
Japan			24412*	Spain			67236*	Georgia		2166	
34061*	34082*	34090*	74399*	statistics	24441	54147	24437*	Germany	33037*	60092*	70576*
84870*				Brazil			43979*	71676*			
Java			43984	Connecticut			54348	Great Britain		49904	
labor	84872	84878	86158	Georgia			54161	Hungary		98800*	
106608	106631			Netherlands			44016*	Iceland		49919*	
legislation		34054	54190	Poland			85059*	Louisiana	583	19667	35918
middlemen	6068	55049	84866	Yugoslavia			54189*	Netherlands		60338	
84867	84868	65010*		study and teaching	24422	24423		New Jersey	94125	94204	95127
Missouri			84858	54152	54164	84834	87502	North Carolina		528	23504
Montana			6081	106633				Norway	30312*	30343*	50289*
Netherlands			106627*	Germany		84854*	84907*	50888*	79330*	102693*	
New Zealand		15420	27232	Kansas			84902	reclamation	11759*	60647*	60708*
Nigeria			24413	Sweden			76346*	80542*			
Norway		24429*	96134*	Switzerland		64794*	84884*	Rumania		60462*	77448*
orders	6410	6420	6472	terminal		55055	65899	soils	60297	39661*	79955*
6529	6797	6803	7378	terminology		34062*	85772*	Sweden	566	26996*	50860*
15682	15683	24900	34045	Thailand			84909	Texas			95142
34135	34353	34359	34360	USSR	44003	54163	84869	USSR		10998*	37576*
34744	35224	54175	54581	34081*	74402*	74409*		Marsilea		594	
65485	65639	84865	86347	Venezuela	74479*	84970*	106629*	Marsilea concinna		18540*	
106357	106935	107267		wholesale	24432	34058	34080	Marsilea drummondii		38418*	
Pakistan	15413	26436	54153*	45244	54184	64812	64862	Marsilea vestita	1059	78117	89111
Poland		84887*	84888*	65496	66079	74383		99889	89063*		
policies and programs		6088	6092	California			96830	Marsileaceae			89077
24409	24410	24414	24424	European Economic Community			25409*	Marssonina		77701	77735*
34033	34038	34064	34088	France			97110*	Marsupella			36953
44005	54193	64787	64799	Germany			96839*	Marsupellaceae			36953
74425	84849	84853	106601	East Germany	15460*	44669*		Marsupialges n g			42917*
24408*				54197*	64784*	75230*	84900*	Marsupialginae n sfam			63859*
Canada			86623	Great Britain			6781	Maruina			43121*
developing areas			84837	India			44066	Masdevallia			39183
Europe	96133*	108314*		Italy			44006*	Masdevallia elephanticeps			57657
France	6083*	6091*	84898*	Louisiana			96142	Masdevallia triangularis			26903a
Germany	7671*	54187*	84859*	Massachusetts			6090	Masdevallia triaristella			26903a
84862*				Michigan			6069	Masoas			73723
Great Britain			6073	Minnesota			65483	Massalongia			204
Italy	74413*	96131*		New York			24427	Massecuites	16415	55924	75856
Japan	44017*	44019*		Ohio			55512	26251*	26306*	55958*	55959*
Republic of South Africa			43985	Puerto Rico			6085*	66255*	107931*		
premiums			75755	Sweden			34063*	Massospora			33015
quotas			84874	Texas			86367	Mastapan			104775*
regulation	7153	7154	25915	Wisconsin		85775	107285	Mastax		23582*	94887*
34072	34750	54190	54582	Yugoslavia			26661	Mastigospodium rubricosum			37339*
106613				SEE ALSO Auctions; Pools; Super-				Mastinocerus			23627*
Denmark			34036*	markets; and SUBHEAD marketing				Mastitis			3234*
Great Britain	45051	15453*		UNDER specific subjects				buffaloes		51868	72182
India	43995	55634		Markov process	5118	7996	56029	cattle		3671	12960
New Jersey		24426		85259	107062			24070		24870	31484
research			15405	Marl		28668*	91115*	51813		62182	71994
directories			84890*	Marlate SEE Methoxychlor				82242		3569*	13034*
research methods	84896		96150	Marmor brassicae			47482	22240*		22257*	22264*
bibliographies			34133	Marmor melonis			27325a	41667*		51905*	62344*
statistical			74389	Marmor tabaci	69649	47539*	99646*	72256*	82150*	92514*	92523*
34148	54144			Marmor terrestre			58107	Algeria			41635*
97118	106604	106625		Maro			42944	Angola			62291*
research programs			84875	Maroantsetra n g			95261*	Belgium			92587*
retail	6071	7139	24398	Marpissa group			63864*	Brazil			72171*
34057	34080	34754	45243	Marriage	108808	46139*	76585*	causes	3649	12969	12983
54149	54159	54184	54575	78717*				13104	13145	22250	31397
54585	65871	66143	74379	Marrow cabbage	10956	22846	10502*	41661	41677	41678	41679
74386	75228	84848	84850	101034*				51846	51917	62195	62200
								62351	62421	72074	103630

\*Text of this reference is not in English.

	Item					Item			
Mastitis-- Cont					Matai SEE Podocarpus spicatus	12117			
cattle--cont					Matches	21668*	51339*		
causes--cont					Mate	20331*	34232*	85155*	
3672*	12956*	13064*	13095*		Materials handling	84293	95700		
31395*	31415*	31417*	31428*		95719	24027*	106211*		
41575*	62153*	62168*	62181*		advisory services	84693			
62194*	62220*	62233*	62311*		equipment	33534	64338		
62417*	72183*	82153*	82182*		research methods				
92401*	92428*	92497*	92603*		linear programming	5692			
Colombia			22268*		Mathiola	37113	10730*	59725*	
control	3720	13010	13161		69856*	98907*			
31321	31483	41604	72207		Mathiola incana		107998		
72312	82251	103883	13062*		anatomy and physiology	27830	27829		
82254*	82255*	92449*	92545*		27830	48391	89484*		
Australia			103771		biochemistry		453		
California		22197	51937		fertilizers		20771*		
Denmark	3536	31337	62270		genetics	58452*	89304*	89305*	
Finland			92390*		germination		48391		
Germany			3536		virus diseases		453		
Great Britain			3536		Matricaria chamomilla	14130	27420a*		
Italy			31388*		39571*	47866*	48553*		
Maryland			103881		Matsucoccus acalyptus		53409		
Netherlands			31333*		Mattesia dispora		33392		
New Zealand	92399	103642	41699		Matteuccia SEE Pteretis				
Scotland			82175		Matthiola SEE Matthiola				
Vermont			3716		Mattiastrum	98918	67863*		
diagnosis	3568	3655	31385		Mattirolomyces terfeziodes		90568*		
12947	13092	13108	13097*		Maturometer		75266		
41616	82192	92533	13097*		Maxillary glands		64104		
22212*	31378*	31391*	31416*		Mayetiola SEE Phytophaga				
41681*	41682*	51873*	51932*		Mayflies SEE Ephemeroptera				
62210*	72218*	72279*	82144*		Mayonnaise	93061	64835*		
92380*	92449*	92512*	92598*		Mayridia		84077*		
eradication			62305*		Maytenus boaria		1912		
France			62281*		Mayweed SEE Matricaria		79*		
Germany			22256*		Mazus japonicus				
East Germany			3616*		Mazzard cherries				
Great Britain			62421		anatomy and physiology		63700*		
Hungary			22235*		biochemistry		59089*		
immunization	3714	12983	103655*		breeding		90335*		
13145	31459	62305*	62192		culture		28876*		
India	51868	51901	62192		cytology		27493a		
Ireland		22234	92458		fungus diseases	47314*	68118*		
Italy	31430*	62325*	82241*		morphology		58210*		
Japan		31453*	31454*		pest control		105326*		
Netherlands		62195	3628*		varieties	79484*	90320*		
Norway		92398*	92450*		virus diseases		47499*		
Pakistan			62351		MCP SEE MCPA				
prevention	22153	82221	22236*		MCPA	39456	39468	39497	39537
reviews			31434*		41561	20244*	38463*		
Rumania			51833*		effects on barley		48259*		
Sweden			31419		effects on cucumbers		9851		
Thailand			62404		effects on flax		37108		
transmission		31261*	103677*		effects on grain	1218*	70148*		
treatment	3538	3560	3586		effects on Pinus		81039*		
3716	3719	22249	31323		effects on vegetables	27649	78229		
41669	62172	62177	82194		in beans		79759		
82196	92533	103781	12998*		in soils		70286		
13022*	15704*	22231*	22277*		toxicity	49478	82508		
31395*	31475*	41610*	62209*		MCPB	41561	79759		
62220*	62329*	71950*	72183*		Mead	24693	74623	75493*	85103*
92381*	92476*	103721*	103757*		85109*				
Denmark			103748*		Meadow fescue SEE Festuca elatior				
Japan			31317*		Meadow spittlebug SEE Philaenus spu-				
USSR			92444*		marius				
United Arab Republic			72182		Meadows SEE Pastures and meadows				
Yugoslavia			62181*		Meal SEE kinds of meal				
causes		12634*	61859*		Meal planning SEE UNDER Cookery				
diagnosis			61771*		Mealybugs		23284		
goats		63145	52452*		anatomy and physiology		5416		
causes	42175	104671	52477*		California		53410		
63075*	63142*				control		52979		
treatment			42175		food and host plants		4879*		
sheep	32234	63145	52452*		France	52931*	52982*		
causes	52476*	52477*	63075*		hybridization		43169		
63142*					India		84030		
immunization		4407*	52476*		parasites		73775		
93673*					predators		63977		
prevention			104629		reproduction		43169		
swine	83083	104850	42274*		taxonomy		53410		
vaccines			31459		Measles				
SEE ALSO Contagious agalactia					apples		910		
Mastocytoma					virus		62545		
dogs	13280	31548*	31579*	31626*	Meat		107667*		
41794*	92702*	104029*			additives		65903*		
Mastogloia			99044		adulteration	16227*	35023*	86139*	
Mastophorus muris		84209*	84215*		advertising	86160	86163	86337	
Mastoremus			73550						

\*Text of this reference is not in English.



	Item				Item				Item		
Meat--Cont				Meat--Cont				Meat--Cont			
curing--cont				marketing	7137	7139	7156	processing	7212	7220	7224
reviews			25967	7159	7174	7177	16226	16258	25833	35014	35097
cuts	25963	86205	7206*	16258	35051	35053	65871	45088	55499	55529	55541
16202*	35126*			86158	86337	107615	107625	65924	86229	107686	7208*
defects		65835	55449*	7144*				35085*	35089*	35095*	45076*
directories			25828	Argentina			107626*	45083*	45087*	55517*	55537*
discoloration		86130	107600	Australia			35044	65903*	65915*	75557*	75637*
drying	15765	86226	87806*	Belgium			16224*	86216*	97109*	107688*	
enzymes			86122	Brazil			71876*				
fat	25963	34993	25868*	Canada			86228				
97094*	103223*		55492*	Denmark			86151				
determination		16205	25859*	European Economic Community							
45016*							7145*				35113*
flavor and odor		7181	16240	France	7145*	7148*	16192*	cooperatives			65908*
55443	65833	75600	86122	97099*	97102*	97103*	97110*	Canada			86228
86184				107628*	107631*			cooperatives			65908*
reviews			107644	Germany	75590	65853*	65855*	costs		7182	25953
flavoring			86219	65858*	97119*			Germany		25985*	65907*
freeze-dried		7130	65835	East Germany			97097*	Hungary		35109*	107673*
86146	7210*	75636*		Great Britain		16212	35041	Japan			45093*
freeze-drying		107668	75636*	45051				research methods			
86199*				Hungary			45041*	linear programming			25986
freezing	7202	16252	55547	Italy		65786*	86100*	reviews			86234
35102*	35117*	75661*	75662*	Maryland			16219	Rumania			97155*
86236*	107667*			Netherlands			16214*	statistics			86201
frozen			86205	Nevada			35049	USSR		35094*	35115*
bacteria			7215*	New Caledonia			45044*	processing equipment			7221
chemistry			7210*	New Jersey			16219	16246*	35120*	65933*	97161*
defrosted	7116	7189	16229*	New Zealand		15420	75573	97167*	107680*	107684*	
25971*	86223*			Norway			97107*	production regions			107666
European Economic Community			61700*	Sweden	12773*	16218*	107630*	analysis and composition			86123
marketing		86159	45036*	USSR			65849*	35027*	55442*	75538*	75553*
45037*	86152*	86153*		West Virginia			16219	75562*	86137*		
molds			75565	microorganisms		34995*	97082*	bacteria	97090	55450*	65832*
New Zealand		107666		97087*				75549*			
packing		86159		moisture	35003	55529	86132	Brazil			71876*
processing		7215*		45016*	81850*	86139*		canned			7125
properties		7116		reviews			75545*	chemistry			25873*
quality		16229*		molds			35012*	containers		35079*	86192*
trade			67364*	nutritive value		108971	8352*	contamination			86167
Europe			86153*	25861*	55487*	87806*	98387*	cookery			35010*
transportation		86152*		oxidation		55441	86184	Germany			
grading and standardization		35072		oxidation-reduction potential			55527*	East Germany			34981*
86182	86188	45061*		packed			45041	legal aspects			107569*
Brazil			16233*	packing	7177	7181	25950	manufacture			54678*
Germany			65892*	45074	107625	107651	45073*	marketing			65849*
East Germany	75605*		75606*	86194*	97062*	97137*	97138*	packed			16230*
Italy			25937*	Czechoslovakia			35126*	packing	35080*	97139*	97140*
Northeastern States			7143	Germany			97139*	Poland			35050*
history			97073	Hungary			86193*	quality		25985*	55508*
Hungary			34992*	packing industry		7187	7192	regulation and inspection			35065
industry				7198	7211	25953	25955	16230*	75562*	97128*	
accounting		25901*	97047*	25976	35097	107659	107665	sanitation			7144*
Argentina			7090	107679	107685			statistics			75666*
Denmark	34979	44992*	75524*	Bulgaria			75631*	storage			25959*
European Economic Community			44992*	California			75643	trade			27184
France		16192*	75504*	conferences and congresses			16239	Poland		27268*	87710*
Germany	7113*		97063*	45092	107682			properties	35001	35003	35004
East Germany	34990*		75513*	cooperatives			16248*	35014	35018	35114	55525
97031*				Indiana		16250	45604	65827	65835	86146	86218
Great Britain			44992*	Nevada			35049	107668	25883*	45022*	
Hungary			44996*	policies and programs			97152	conferences and congresses			35013
Ireland			34983	research methods			25982	proteins	25851	35004	55454
Italy			65786*	statistical			16248*	45016*	86137*		
Mexico			55428*	sanitation		107678	25804	purchasing	7143	16209	107613
New Zealand			27235	policies and programs			25804	quality	7117	7159	7174
Rumania			55422	Australia		25789	45001	25836	25881	35071	65893
sanitation		107677	16241*	Brazil			97078*	75573	86218	107563	107571
45080*	65911*	107662*		Germany				3296*	7171*	31490*	55492*
USSR		75531*	107588*	East Germany		75523*	86092*	61928*	71870*	97089*	
Uruguay			25792	Kenya			86097	research methods			
irradiated			45030*	Mexico			55389*	statistical		7175*	65898*
irradiation	7193	7214	86207	Mozambique			65812*	reviews			103115*
86217	86230	86241	35016*	New Zealand			7107	refrigerated			
45024*	55553*	65901*		Republic of South Africa			25819	chemistry			7210*
judging		45066*	75610*	55418	86105			European Economic Community			61700*
keeping quality		30930	31490	USSR		86104*	87128*	Germany			75665*
16229*	65806*	75609*	97168*	prices	7183	7186	36216	East Germany			35099*
kosher			45006	86337	107613			Republic of South Africa			75638
labeling		86188	16231*	Australia			35044	trade			
legal aspects			107569*	France			86195*	Europe			67364*
legislation	65884*	107566*		Great Britain		7185	75619	USSR			25994*
losses	75589*	97158*		Japan			45075*	refrigeration		55526	65916
				processed	25841	86138	97164	16245*	25957*	25964*	25979*
				107669	16197*	65806*		65946*	75654*	97158*	97169*
								107667*			
								refrigeration equipment			97163*

\*Text of this reference is not in English.

	Item					Item					Item			
Meat-- Cont					Meat-- Cont					Mechanization-- Cont				
regulation and inspection	7173				tenderizing	35108	86218	16238*		India	15046	53623	53622*	
12555	25946	35076	45060		65939*	86247*				Iran			15080*	
65841	81717	103296	107650		tests	35018	65827	86132		Italy	5652*	15026*	23992*	
35005*	75555*				45022*	86145*	97089*	97093*		26637*	33559*	33590*	33591*	
as an occupation	25943				trade	8226	36210	45033		56462*	86810*	106183*		
Brazil	16228*				57046	87623	87629	98284		Ivory Coast	64331*	95707*	106190*	
Canada	86173				107558	108878				Japan	64379	5706*	33526*	
Colombia	45058*				Australia			55461		33551*	33556*	33573*	33594*	
Czechoslovakia	31056*				Denmark			44992*		33595*	33599*	43476*	84315*	
Europe	35066				Europe			67364*		Lithuania			5672*	
European Economic Community					European Economic Community			44992*	108823*	Maryland			24049	
45057*	107646*	108823*			France			108877*		Minnesota			26504	
France	34998*	75575*	81919*		Germany			65891*		mountain areas		5652*	15019*	
86168*					East Germany			97124*		15026*	15079*	106185*		
Germany	65894	7158*	45059*		Great Britain			44992*		Netherlands	43469	15086*	43419*	
55502*	65888*	65891*	65915*		Latin America			55461		70753*	73953*	84279*	106244*	
75611*	71815*	75599*	75607*		New Zealand		27235	55461		New Guinea			24020	
81766*	107645*				76771	108875				Norway			5710*	
East Germany	7132*	7172*			Poland	27268*	46385*	87686*		Papua			24020	
86189*	97124*				Sweden			55554*		Poland	26670*	33580*	33831*	
Hungary	25932*	65880*	86186*		transportation		107618	35045*		106208*				
Iowa			97122		55465*	75584*	97109*	97097*		policies and programs				
Ireland		3150	103199		107617*					Czechoslovakia	66501		5695*	
Italy	35063*	107614*	107647*		types			97042*		Germany				
Netherlands		30965*	97125*		vitamins		35103	76868*		East Germany	56496		5660*	
New York			35069		waste	97088	21760*	62565*		Poland	53632	53668	73926*	
Norway			45070*		reviews			103115*		73983*				
Poland			16231*		SEE ALSO Slaughtering; and kinds of					USSR	15027*	64375*	106215*	
study and teaching	75596		86190*		meat					Puerto Rico			5688*	
Sweden			81778*		Meat meal		12487*	21760*		research methods				
Switzerland			65884*		analysis and composition			52205		statistical		24056*	106239*	
research methods					34471*					Rumania			64334	
statistical	75569	35134*			bacteria			85530		situation and outlook	24013		24000*	
97093*					feed	22046	52199	72577		64364*				
research programs		107586			41204*	71624*	81649*			study and teaching	15049*	56831*		
reviews		7103			nutritive value		52205	87816		Sweden	43417*	43493*	45815*	
salted	7196	55525	65825*		processing			51402*		53630*	64351*			
sanitation	3144	3206*	7144*		proteins			21779		Switzerland			106195*	
41355*	55487*	65913*	65939*		Mecas saturnina			43032		Tropics	84340*	84344*	106242*	
75609*	86227*				Mechanical stimulation					USSR	24004	33540	56368	
Africa			55543		effects on plants		38017			73959	15060*	64381*	73971*	
Hungary			25932*		Mechanics SEE Farm shops; and SUB-					84256*	84314*			
shows	55410	34972*	75526*		HEAD maintenance and repair UNDER					Yugoslavia			76341	
97029*					Equipment and names of equipment and					SEE ALSO Automation; Equipment;				
situation and outlook	7097	12767			vehicles					and UNDER specific subjects				
55409	65801	97032			Mechanization	2470	24050	106220		Mechanoreceptors			31622	
Australia		97037			15072*	43433*	84290*	84378*		Mecistogaster ornatus			43336	
Baltic States		107436*			95747*					Mecomtopus			14583	
Belgium		65870*			Austria			91388*		Mecomma ruwenzoriense			53393	
Canada	74290	75520			Belgium			106191*		Meconopsis cambrica			58345*	
Denmark		34982*			bibliographies			73960*		Mecoprop			39514	
Finland		86114*			Brazil			84309*		Mecoptera	95649	106122	5635*	
Germany		45003*			California			53603		84211*				
East Germany		75512*			Cameroon			84336*		Mecostethus magister			95586*	
Great Britain	7093	86098*			Canada	15030	23997	84287*		Mediafra			14562*	
Hungary	55405*	86102*	107576*		Central African Republic			95739*		Mediastinum			72419*	
Italy		97027*			China	53643	64326	103943*		Medic				
Poland	55406	65787	7203*		conferences and congresses			64343*		Bulgaria			8710*	
26433*	35050*	82912*			106189*					culture			101043	
Portugal		82336*			costs and returns		106182	15084*		cytology			679*	
Republic of South Africa		97036			Germany	43439*	43490*	95696*		disease resistance			8983	
Rumania		25797*			Japan			33603*		effects on soils			101043	
Sweden		86089*			Poland			5671*		fungus diseases			8983	
Switzerland		65847*			Rumania			53648		Israel			77349	
USSR	25791*	34978*	97059*		Tropics		95713*	95714*		pollen			671	
Yugoslavia		75534			USSR			43487*		soils			48837	
spoilage	25870	71783			Czechoslovakia		53662	5695*		varieties	101043	88268*	100933*	
86184	97087*	103223*			24054*	106185*	106226*	106241*		yields			48837	
statistics	26003	35142	107659		developing areas		15056	73949		Medicago SEE Medic				
107696					106220					Medicago dzhawakhetica			47722	
Argentina		45094*	55555*		Europe		64358	91388*		Medicago glandulosa			57594*	
Brazil			75666*		Finland		84348*	84374*		Medicago hispida SEE California burclo-				
Germany					France	43416*	84257*	84262*		ver				
East Germany			35134*		84275*	84276*	84280*	84282*		Medicago lupulina SEE Black medic				
Netherlands	75668*				84308*					Medicago media		1222*	48165*	
Sweden		55554*			Germany	15038*	15069*	15075*		48321*	59343*	99907*		
USSR		26000*			24045*	33564*	43446*	53628*		Medicago orbicularis SEE Button medic				
sterilization		96599*			53638*	53670*	84322*	106230*		Medicago sativa SEE Alfalfa				
storage	86241	107605			East Germany		15059*	15079*		Medicago sativa falcata SEE Sickle al-				
35016*	65828*	65921*	75589*		45602*	53625*	53641*	106231*		falfa				
75609*					106238*					Medicago saxatilis			670	
study and teaching	7106	25787			Great Britain			24026		Medicago tribuloides SEE Barrel medic				
25802	25808	25812	25823		history	106234	53663*	64360*		Medicago truncatula			18738	
25829	25833	25834	35051		Hungary	64332	73934*	84326*		Medicago tuberculata SEE Cogwheel				
35053	65813	55424*	75502*		95746*	106198*	106243*			medic				
75509*														
subsidies		66737*	66738*											

\*Text of this reference is not in English.



Item			Item			Item		
Medical entomology SEE Entomology, economic; SUBHEAD and disease UNDER Insects; Mites; Ticks; and names of other arthropods; and SUBHEAD transmission UNDER names of arthropod-borne diseases			Melampsora	47322	47239*	Meligethes rosenhaueri		53246
Medicinal plants SEE Drug plants			Melampsora larici populina		57964*	Melilotus SEE Sweetclover		
Mediella n g	14804		Melampsora lini	365	9087	Melilotus alba SEE White sweetclover		
Medina	84009*		18142	37219	47319	Melilotus indica SEE Annual yellow sweetclover		
Mediterranean flour moth SEE Anagasta kuehniella			Melampsora pinitorqua	58033	99357	Melilotus officinalis SEE Yellow sweet-clover		
Mediterranean fruit fly SEE Ceratitis capitata			Melampsora ricini		47411	Melilotus polonica	9583	
Medlar	67867*	99841*	Melampsorella caryophylleacearum		57987	Melilotus suaveolus SEE Daghestan sweetclover		
Medusahead SEE Elymus caput-medusae			Melampsorella elatina		99458	Melinis minutiflora	39925	48258*
Meenopliidae	43157		Melampyrum lineare	541	38246	Melioidosis	21895	103261
Meesia argentimaculella	33361		Melampyrum pratense		27621a	Meliola	46981	88500*
Megacephala	94911*		Melanagromyza		14674	Meliplebeia tanganyikae medionigra	5437	
Megachile	14305		Africa		105770	Melipona	23799*	
Megachile concinna	5440		Australia		64050	Meliponinae	63746	105897
Megachile genalis	5477*		India		95084	Meliponini	5437	14323
Megachile rotundata	23811	73046	Neotropical Region		23700	53425	105896	105897
73101	93971		New Caledonia		23696	43200*	64154*	
Megachilidae	23786	33318	Polynesia		73670	Meliponula bocandei		105908
Megachilinae		84093	taxonomy		95078	Melisia		94773*
Megacladosporium SEE Cladosporium			Melanagromyza phaseoli		5219	Melissodes		73760
Megacoelum		95200*	Melanconiaaceae		67974	Melissodes fonscolombei		5455
Megacolabus		53270	Melandrium rubrum		19304*	Melissodes pallidignata		95353
Megacyllene	5176	14583*	Melandrium silvestre		69226*	Melitaea harrisii		43252
Megacyllene antennatus		33089	Melandryidae		33082	Meliternatin		58958
Megadelphax n g		64131*	Melandryum SEE Melandrium			Melittobia chalybii		23811
Megadineura		14782	Melanin	9888	13615*	Mellorine SEE Ice cream, vegetable fat		
Megalembidium n g		36955	Melanism			Melobesia	89009*	89011*
Megalodactylus bicolor		95265*	Biston betularia insularia		14899	Melobesioideae		77458
Megalodontidae		43222*	64182			Meloidae		
Megalopta		73764	butterflies		64219*	Chad		23576*
Megaloptera		23954	Catocala ilia		106024	Czechoslovakia		63929*
Megalopyge laceyi		63496	Geometridae		64218*	geographic distribution		42996*
Megaphen SEE Chlorpromazine			grasshoppers and locusts	84189	23930	Italy		94910*
Megapis dorsata SEE Apis mellifera			Hypera brunneipennis		53262	larvae		43038
Megarhyssa	53424	84086	insects		94629	Madeira Islands		83860*
Megarhyssa atrata		84086	Lepidoptera	5523	105990	nomenclature		94957
Megarhyssa greenei		84086	64185*			taxonomy	5189*	94892*
Megarhyssa macrurus		84086	Lymantriidae		64218*	Meloidogyne		68327
Megarhria		64237*	moths	5542	95517	Agrostis palustris		27363a
Megaselia		14595	rabbits		82724	Australia		68308
Megaselia halterata		73639	Syrphidae		95017*	beans		68309
Megaselia scalaris	43086*	63993*	turkeys		93240	control	37512	88933
Megastes		23883	Melanocolax		99878*	cucumbers		502
Megastigmus		53026	Melanocollis caryaefoliae		4867*	hops		507
Megathymidae	95420	95421	Melanoidins	24626	34246	India	9285	68329
Megatrachelus politus		53275	Melanoleuca humilis		47039*	okra		9139
Megaxylocopa SEE Xylocopa (Megaxylocopa)			Melanoleuca strictipes		47040*	papayas		18388
Megischus		105872*	Melanolophia		95508	peaches		88899
Megistobunus		73525	Melanoma	42278	72972	sweetpotatoes		9275
Megodontus purpurascens		23588*	41737*			tea		47593
Megoura viciae	64109	105855	Melanopa unicolor		105587	tomatoes	511	88933
Meharia		43298	Melanophila acuminata		63923	vegetables	58124	99672
Meiosis			Melanoplina		95580	Meloidogyne arenaria	483	47578*
Apis dorsata		94537	Melanoplus		5595	Meloidogyne brevicauda		9290
Chrotogonus trachypterus		14935	Melanoplus bilituratus SEE Melanoplus sanguinipes			Meloidogyne exigua		99692*
Cochliomyia hominivorax		5284	Melanoplus bivittatus	14937	33473	Meloidogyne hapla	9267	37499
Coffee		37807	53530	64264	95577	37532	77962	88943
Culiseta inornata		95122	Melanoplus chimariki		23923	27358a*	77981*	99717*
Drosophila melanogaster		688	Melanoplus differentialis	14908	105507	tomatoes		88957
14667	83946		14936	73871	73882	vegetables		68325*
Lilium henryi		18618	Melanoplus keiferi		23923	Meloidogyne incognita	515	9018
Lolium temulentum		668	Melanoplus sanguinipes	64264	95577	9262	18403	37493
Nymphalis io geisha		14882*	Melanopsammopsis ulei	18160	2072*	47590	47591	58128
Palamnaeus gravimanus	105596		Melanose		88796	88943	99708	504*
Papilio machaon hippocrates	14882*		Melanospira		67961*	figs		18387*
plants	630	655	Melanotesia n g		95508	potatoes		90522
743	9437	9486	Melanotus tamsuyensis		83317*	tomatoes		88957
18680	18741	27552a	Melasis		53253	Meloidogyne incognita acrita		490
27624a	37754	37759	Melasoma populi	105644	42757*	516	527	37502
38563	47744	47765	95057*	95058*		58132		47576
58389	68510	68516	Melastoma malabathricum	2037	38335	Meloidogyne incognita incognita		40354
78139	88985	89171	Melastomaceae		36938	Meloidogyne javanica	37490	37495
99836	99954	100045	Melastomataceae SEE Melastomataceae		14853	37530	47576	47590
9427*	18523*	37736*	Melese laodamia		11156	99673	68331*	
68526*	78311*	68585*	Melia azadirachta		55677	tomatoes	77976	88957
Psylloidae			Melia azadirachta seed oil		55677	Meloidogyne javanica javanica		516
Schistocerca gregaria			Meliaceae	8752	58307	Meloidogyne ovalis		517
Melaleuca		67881	Meliantaceae		67830*	Melolontha		73249*
Melaleuca leucadendron		12458	Melica		26885a*	Melolontha hippocastani		73326*
Melamine	23495	42837*	Melicope		58958	Melolontha melolontha		
Melampophylax mucoreus		23950*	Meligethes	33085	53246	anatomy and physiology		43000
			Meligethes aeneus	94344	23267*	73455		
			32779*			control	63712	83443
			Meligethes assimilis		53246	73326*	83287*	14113*
			Meligethes maroccanus		33085			

\*Text of this reference is not in English.

Item	Item	Item
Melolontha melolontha--Cont	Mentha aquatica	Merendera
diseases 53288 105687 106069	Mentha arvensis 10131*	Meria askhabadensis
105638* 105652*	Mentha arvensis piperascens 14184	Meria cylindrica
eradication 105008	27773 90780	Meria laticis 47348
migration 14505* 14559*	Mentha citrata 96*	Meria martini
nematodes 94842*	Mentha crispa 55698*	Meria minuta
orientation 23620* 53285* 105673*	18445*	Meria nigra
reviews 14559* 14563*	p-Mentha-1,4-diene 78957*	Meria polita
sterilization 105008	p-Mentha-2,4-diene 45143	Meria rugosopunctata
Melolontha vulgaris SEE Melolontha	Mentha gentilis 18445*	Meria volvulus
melolontha	Mentha oil 75679	Meristaspis
Melolonthidae SEE Scarabaeidae	Mentha piperita 37974	Mermis
Melolonthinae 83822 83837	anatomy and physiology 27978*	Mermithidae 14010 95109
94984* 105360*	68741 89391 38183*	5304* 14358* 43105*
Melon aphid SEE Aphis gossypii	biochemistry 10196*	Meromyza saltatrix
Melon fly SEE Dacus cucurbitae	contamination 35206	Merophyas n g
Melons	culture 20354* 79868*	Merophyas divulsana
acreage and area 25424 75252	cytology 68573	Merostachys
anatomy and physiology 58491	fat and oil content 27978*	Mertensia 88362
100184*	fungus diseases 9059 9264	Mertensia maritima
biochemistry 47405* 100184*	nematodes 9264	Merthiolate SEE Thimerosal
breeding 20205*	weed control 70153*	Mertila malayensis
culture 10960* 39380* 39395*	yields 38183*	Meruana n g
59881*	Mentha pulegium 26151*	Merulius 10249*
fungus diseases 37273* 47211*	Mentha spicata 18558 28013	Merulius lacrymans 9773*
47405* 68177*	88827 27979* 79868*	78810*
grading and standardization equipment	Mentha spicata oil 7248*	Merzonin SEE Thimerosal
55072	p-Menthan-2-ol 45163*	Mesaptilotus 5309
history 70005*	Menthol 66015	Mesembrina mystacea 5312*
industry 96773*	Menyanthaceae 36816	Mesembryanthemum 17687 20073
marketing 25424 75252	Menyanthes 58163*	26839a 46825 77307 19955*
pest control 42661	Menyanthes trifoliata 68739	Mesembryanthemum bellidiformis 9477
pests 14212	Meramecia SEE Neomamersa (Mera-	Mesembryanthemum erniana 36774
propagation 100184*	mecia)	Mesembryanthemum fulleri 85*
storage 16029*	Mercaptans SEE Thiols	Mesembryanthemum granulata 19953*
trade	Mercapto compounds 18204 19125	Mesembryanthemum julii 10701*
Mexico 96773*	55196	Mesembryanthemum lesliei 86*
varieties 20205*	Mercapto group 38599 10218*	Mesembryanthemum pseudotruncatellum
yields 58491	106810*	17642
SEE ALSO kinds of melons	effects on Drosophila melanogaster	Mesocolon retractum 5211*
Melophaginae 63994	105756	Mesocrepis n g 94954*
Melophagus ovinus 14047 23156	in dairy products 54490 54520	Mesoleius tenthredinis 73744
32705 95079 83277*	85305	Mesolestes 43007*
Melosira 57702* 77450*	in flour 7067 16165 25754	Mesolestinus 43007*
Melosira distans 1145*	85950 107541*	Mesomorphus 5163* 5164*
Melosira juergensii 78211	in Lampyridae 94847	Mesomorphus villiger 14530
Melprex 99310* 99311* 99354*	in milk 24834 74804	mu-Meson rays 100064
Melusinidae SEE Simuliidae	in plants 38429 19354*	pi-Meson rays 100064
Melyridae 73591 73610* 83864*	in tobacco 99612	Mesonotoedres SEE Notoedres (Mesono-
Membracidae 43152 84035 95161	Mercaptoethanol 41266 58796	toedres)
95176 94462* 105818*	2-Mercaptoethanol 12939	Mesonysus 63860*
Membrane filter test 26281*	beta-Mercaptoethylamine SEE 2-Amino-	Mesophelliaceae 17912
Memecylon 137	ethanethiol	Mesophleps lala 43237*
Menacanthus 33494*	Mercaptomerin 104655	Mesopsis 50650
Menacanthus cornutus 63521	Mercaptophos SEE Demeton	Mesosa anacyloides 94985*
Menacanthus stramineus 53572*	Mercazole SEE Methimazole	Mesoselius n g 83779*
Menadione 62666 31956*	Mercetencyrtus n g 53452*	Mesosindris n g 64237*
Menadione sodium bisulfite 104260	Merckojod 51374*	Mesostigmata
Menazon 23189*	Mercuran 68083*	anatomy and physiology 14432*
Menegazzia pertusa 26962a*	Mercurialis annua 18525* 98881*	Argentina 94679
Mengeidae 95621	Mercury	Congo 14454 23559
Meningitis 82453*	effects on sugarcane	Ethiopian Region 23572
Meningo-encephalitis 14051*	fungicides 48019* 57903*	Europe 63873
Austria 14043*	in algae 69161	Hawaii 63873
cattle 12949 92522 3639*	in eggs 42057 55738	Israel 94697
man	in food 24393*	Italy 14436*
reviews 23147*	in honey 97023*	North America 63873
mice 92967*	in potatoes 44700 69025	Pacific area 73542
poultry 22675	in poultry meat 55738	reproduction 83776*
turkeys 104410	in poultry physiology 82557	taxonomy 33045 94712 105593
Menispermaceae 36806 58331	in soils 49745 20458*	105594 5075* 14421* 14435*
19275* 26773a*	in vegetables 34764	63860*
Menopon gallinae 42513* 53572*	in wheat 25652	Venezuela 73522
Menopon kuntzi 23948	in wood research 51373	Mesoxalic acid 100608*
Menoponidae 14979 23959 95656	toxicity 42057 83019 31679*	Mespilus germanica 28335*
95657	Mercury chloride 52698 27120a*	Mesquite SEE Prosopis
Menorosis 23581*	69003*	Mesta fiber SEE Kenaf
Mentha	Mercury compounds	Mestor megistus 64087*
anatomy and physiology 18558	effects on mung beans 958*	Mesua ferrea 68342
19006*	effects on plant disease 68171	Mesua ferrea meal 55577
culture 39616*	effects on plants 19153	Mesuro 52755
cytology 18561*	effects on potatoes 69025	Metabiantes 73525
fat and oil content 66015	fungicides 44700 107176	Metabolism SEE UNDER Insects and
fungus diseases 191 88724	in apples 107311	names of insects; Livestock and names
88740 88799	in grain 16154	of animals; Plants; and SUBHEAD
nematodes 47572	in poultry 42057	anatomy and physiology UNDER names
pest control 73243 94332	in wood preservation 51132	of plants
planting 90777	Mercury phosphate 37271	

\*Text of this reference is not in English.



Item			Item			Item		
Metabolism bags	83068	92447*	Metepa	42472	42520	63165	Methyl bromide-- Cont	
Metabolism stalls	32222	62845	63453	63464			in wheat	25624 83528
73012	82959	3664*	Methacrylate			27620a*	insect resistance	93991
Metabolites	1241	10155	Methacrylic acid		61575	107439	nematocide	68317
37208	40857	58504	107440	54800*			ornamental plant pest control	94416
78941	79079	89727	Metham-sodium			58129	soil pest control	52724
69236*			Methandienone SEE Methandrostenolone				storage pest control	4891 23369
effects on Erysimum cheiranthoides		9613*	Methandrostenolone	22586		92822*	23372 52724 52999	93991
in animal nutrition		81660*	Methane	101791		15352*	52998* 73293*	
in goat physiology		82852	effects on Orthosoma brunneum			73593	tick control	13989
in plants		89408*	effects on soils			101767	white clover pest control	77682
SEE ALSO Antimetabolites			in rumen		13174	3310*	wood pest control	14270
Metacanthus transvaalensis		95254	India			64701	2-Methyl-4-chlorophenoxyacetic acid	
Metachlamydeae		83*	manufacture			15354	SEE MCPA	
Metadelphax n g		64131*	64699* 64702*	64703*		33941	2-Methyl-4-chlorophenoxybutyric acid	
Metadieuches		95245	properties			15353	SEE MCPB	
Metadorcus		94990*	Taiwan			50060	6-Methyl-3-cyclohexene-1-carboxylic	
Metadromius		94915*	Tropics			33941	acid esters	83401
Metagonistylum minense		94308	Methane sulphonic acid			18709	S-Methyl cysteine sulfoxide	10159
Metahygrobiella		36947*	Methanethiol			6378	Methyl dec-4-enoate	35389
Metaisosytox		83474	Methanol SEE Methyl alcohol				Methyl deca-4,8-dienoate	35389
Metaldehyde	84804	99256	Methaphoxide SEE Metepa				Methyl demeton	
Metallic salts SEE Salts			Methemoglobinemia	22664	104310*		apple pest control	63626*
Metallipisa SEE Ceratipisa (Metallipisa)			Methenamine	52694	55991*		effects on sugar beets	105227*
Metallochlora		105962	66305*				fruit pest control	105300
Metallonotus		84009*	Methia			63916	onion pest control	99674*
Metals	40808 58077	96056	Methicillin			60194	ornamental plant pest control	83497*
51102* 74773*			Methiini			63916	pear pest control	73279*
effects on milk		54504*	Methimazole		13676	82483	sugar beet pest control	83307
effects on Pichia indica		18798	Methiodide SEE Methyl iodide				83381* 83382*	
in food			Methioeme n g			5216*	Methyl N-(3,4-dichlorophenyl) carbamate	
reviews		43905	Methionine					100584
SEE ALSO kinds of metals			in Armoracia lapathifolia			89796	3-Methyl-4-dimethylaminophenyl-	
Metamidium	3564	81752*	in beet			19194	N-methylcarbamate	83202*
Metamya n g		23634	in broadbeans			100427*	Methyl dimorphcolate	97195
Metandaspis n g		95273	in cattle nutrition			92344	(+)-5-(3'-Methyl-2'-dioxy) butoxy-	
Metaphycus SEE Aphycus			in feed			91828	psoralen	79024*
Metapinophilus		14521*	in food	76883	76885	85040	Methyl esters	6897 26098 51299
Metaplectrus		53441	97258				85588 35154* 35185*	35208*
Metapolophium dirhodum SEE Macro-			in goose nutrition			4100	Methyl eugenol	23318
phum dirhodum			in human nutrition			76886	beta-Methyl-D-glucoside	61572
Metapronomitus		95317	in nuts			25344*	4-O-Methyl-D-glucuronic acid	61430
Metapsylla		43168	in plants			58406*	Methyl group	58406*
Metarrhizium		53153	in poultry nutrition	13446	22570		6-Methyl-5-hepten-2-ol	38631
Metarrhizium anisopliae		83853*	31839 4093*	41944*	93063*		6-Methyl-5-hepten-2-one	100701*
Metaseiulus		83779*	93127* 93139*	93140*			Methyl iodide	48822
Metasequoia		77363	in poultry physiology			62888	Methyl isothiocyanate	21007* 77974*
Metasequoia glyptostroboides		30281	in rat physiology			104185	88947*	
48181 49791 68494*			in Smittia			33195	Methyl ketones	24862 54526 74806
Metasidama		73525	in soils			49755	Methyl lesquerolate	97195
Metastrongylosis SEE Lungworms			in soybeans			48605*	Methyl linoleate	55669
Metastrongylus		63272*	in swine nutrition	4499	82945		8-Methyl lipoic acid	37958
Metasyrphus		83994	52536* 63212*				Methyl mercaptan SEE Methanethiol	
Metasystox SEE Methyl demeton			in turkey nutrition			41925	Methyl mercaptophos SEE Methyl deme-	
Metatartaric acid		74573*	DL-Methionine	31785*		31816*	ton	
Metatetranychus SEE Panonychus			Methionine sulfoxide			95570	Methyl methacrylate SEE Methacrylic	
Metatrichia n g		88521	Methionine sulfoximine			9222*	acid	
Meteorites		102798*	Methochidae			105892*	3-Methyl-6-methoxy-8-hydroxy-3,4-	
Meteorology	67658 77075	77101	Methohexital sodium	13242	62359		dihydroisocoumarin	18090
77102 88069 46657*			Methotrexate	104049	52141*		Methyl nitrite	29519
and entomology			2-Methoxy-3,6-dichlorobenzoic acid			79783	Methyl oleate	97222
Australia		54304	29178 39537 78115				Methyl parathion	
bibliographies		8516*	101557				coffee pest control	83414
China	46658 67653	27602*	6-Methoxybenzoxazolinone			79072	cotton pest control	63530 63573
98669* 109228* 109233*			Methoxychlor	99273	99451		determination	25354 73082
conferences and congresses		17465*	2-(beta-Methoxyethyl) pyridine SEE				effects on Chaoborus astictopus	
17468*			Methyridine			27120a*	13926	13970
equipment	36557 88066	5009*	Methoxyethylmercury chloride			91907	effects on Periplaneta americana	
36562*			Methoxyflurane	81708 81728			42446	
France		46661*	92891 92926				formulations	63573
Germany		46662*	Methoxyl groups			30814*	in cotton	23249
East Germany		8515*	Methyl			81809*	insect resistance	73060 105000
Great Britain		77097	6 Methyl-17 acetoxypregesterone SEE				metabolites	23249 42464
history		98665*	17-Hydroxy-6 methyl-pregesterone				mite control	52697*
India		77081	(17-Acetate)				tests	52697*
Japan	40725* 77082*	77095*	Methyl alcohol	33984 48046	75717*		toxicity	13926
77100*			Methyl-n-amyl ketone SEE 2-Heptanone			6746	weevil control	83323*
Luxembourg		98676*	Methyl anthranilate				Methyl phenidate SEE Ritalin	
Massachusetts		46659	Methyl bromide				1-Methyl-9H-pyrido-[3,4-beta]-indole	
77083 98670 98671		98672	effects on Populus			48013*	SEE Aribine	
98673			effects on seeds			68317	2-Methyl-1,4-quinone	63905
statistics		54340	flour pest control			42735	6-Methyl-2,3-quinoxalinedithiol cyclic	
study and teaching		36551	fumigant	494	3494	32893	carbonate SEE Bayer 36205	
USSR	98684 27609*	88071*	23372 25624 30044			60735	4-Methyl-2-thiouracil SEE Methyl-	
98675* 109226*			52724 58028 60018			93991	thiouracil	
SEE ALSO Climate and weather			60739 63703 91537			55384*	Methyl 2,4,5-trichlorophenyl N-alkyl-	
Meteorus fragilis		95332*	94416 102288			59992*	phosphoramidates	23137
			fungicide			25679*		

\*Text of this reference is not in English.

	Item		Item		Item		Item
Methyl trithion	23178	Mezilaurus	88345	Mice--Cont			
p-(2-Methylaminoethyl)phenol	92718*	Mezira	95194 95209 105835	watering			31727
d-N-Methylamphetamine hydrochloride		105827*		weaning			22463
SEE d-Deoxyephedrine hydrochloride		Mezira scabrosa	33286*	weight and measurement			22463
Methylaspartic acid	99450	Mezirinae	105835		104180		
Methylated urea SEE Urea-formaldehyde fertilizers		MGK 264	14229	SEE ALSO names of anatomical parts, body fluids, diseases and other pathological conditions, parasites, and pests			
Methylazoxymethanol	1380	MH-30T	100559				
2 hepta-5-Methylbenzimidazole	97344	Miaena	94825*	Michelia champaca			28086
N-Methylcarbamate	23083 83520	Miarus	94807	Michelia champaca peel oil			55579
Methylchlorophyllide	1432	Mica	11236	Michelia compressa			69333*
3H-5-Methylcytosine	19219*	Mice	73041	Michelia doltsopa			1870
Methyldithiocarbamic acid	88577*	anatomy and physiology		Miconia	36938		88345
Methylene blue	6613 15615	83205 105036		Micractinium			46966*
effects on poultry	62932*	and disease	94176 52807*	Micraira			98870
in fiber analysis	25155	as pests	4954 50945	Micranthemum glomeratum			98960
in soil research	20461* 49643*	50936* 96232*		Micraspic n g			189
101693*		Canada	88573*	Micrasterias			58361
milk test	96432*	Great Britain	102782	Micrasterias rotata	47751		27491a*
therapeutic use	51920*	Italy	15416*	Micreriodes n g	9453*		84112
Methyleneaminoacetonitrile	42048	Japan	40693*	Micro-beads			29569
2,2'-Methylenebis [4-chlorophenol]	13507* 41993*	Norway	40681*	Microanalysis	6009 24373		55353
2,2'-Methylenebis (3,4,6-trichlorophenol)	93310* 24371 61891* 82813* 92418*	Sweden	68027* 87212*	84783 84804 86493			74331*
92965*		breeding	31716 52139* 92939*	74346*			
2,2'-Methylenebis (3,4,6-trichlorophenyl)-monophosphate	63118*	research methods		Microangiopathy	104829		104802*
4-(3,4-Methylenedioxy-6-propylphenyl)-5-methyl-1,3-dioxane	94130	statistical	104149*	Microascaceae			234
gamma-Methyleneglutamic acid	7297	care	62676	Microbembex			14800
100573		color	62646	Microbiology	11436 17295		86011
Methylhistidine	55432	control	263 34165	8367* 12641*			49781*
Methylmercapto triazines	39432	37105 81210		57168* 81761*			109040*
39539		Australia	17256	associations			67472**
Methylmercury dicyandiamide SEE Cyano (methylmercuri) guanidine		Bulgaria	37145*	Bulgaria			36381*
N-Methylol SEE Carbinols		California	94176	conferences and congresses	76910 87865 8391*		27410*
Methylolmelamine	25193	chemical	61208 77528	Italy			76908
Methylthiouracil	3429 31265*	Germany	50936*	reviews	27365 36379		77525*
31293* 31460* 51851*		East Germany	67476	USSR			57666*
N-omega-Methyltryptamine	1326*	India	40687*	Microbiota decussata			83777*
N-alpha-Methyltryptophan	1326*	Japan	57792	Microcaeculus brundini			64276*
Methyridine		Lithuania	23034*	Microcerotermes edentatus			43364
therapeutic use	51511 71733	Maryland	57816*	Microcerotermes fletcheri			9306
3812* 82608*		Netherlands	12146*	Microclimate	589 950		47628
cattle	22214* 103837*	Poland	61208	18474 27407a 37544			58189*
geese	22613	Sweden	37073	58138 78025 99791			
pigeons	41980*	USSR	18048	99755*			
poultry	13567 31890 62827	Virginia	52142*	alfalfa			77990*
32013* 42065* 93223*		Washington	22471*	aquatic plants			18432*
sheep	13684* 104732*	cytology	104207	barley			37609*
turkeys	82602	disease resistance	52142*	barns			33838
Meticortelone SEE Prednisolone		diseases	32734 72533	5913* 15320* 24215*			24235*
Meticorten SEE Prednisolone		embryos	42003 52142*	31242* 43786* 63358*			64623*
Metisa nainiagini	105950	exercise	82482	93400* 106449*			
Metofane SEE Methoxyflurane		feed relationships	82481	reviews			22947*
Metopiinae	105870*	feeding and nutrition	82482 104154	citrus			58190*
Metopina	14595	fertility	83131 32640 72509 82498	corn	100171		37609*
Metopomyza	23700	genetics	13405 52132 62646	cotton		553	78402*
Metoponia rubriceps SEE Altermetoponia rubriceps		72507 72514 82356 82472		field crops			9943
Metrazole	52036* 73072*	82473 82475 82477 82479		forage plants			77989*
Metric system	11999 43393	82510 95045 104149*		forests			40715
Metricochroa	33445*	bibliographies	82479	61235 21357* 27433a* 40714*			89022*
Metriona bicolor	94960	germ-free	62673 72521	40716* 50858* 50990*			
Metriris		82498		102814*			
cattle	103954 31400*	growth	52132	fruit	554 37569		53510
41572* 51886* 103799*		habits and behavior	82356 105087	Geometridae			53510
treatment	13127* 31253*	reviews	104222	grain			18207
31363* 31401* 62364*		hereditary diseases	92966*	grapes			37591*
causes	3237	housing	24251 72545	house plants			47646*
dogs	22361 41739 52008	infectious diseases	82472 104206*	insects		105073	14355*
72369 72377 103953 104021		insect food	5059 5060	Ixodes ricinus			94709*
horses	13398	lactation	41873 92949*	Orthosoma brunneum			33112
sheep	22799 22817	litter size	22463 72509	plants	58151		105073
swine	83083	metabolism	42446	potatoes			78042*
Metronidazole	13003	nomenclature	82521	ranges			47632
Metropina	14691*	parasites	23512	rice			558*
Metropis	95180*	pests	5094 14414 23512	Rosa			69846
Metroxylon amicarum	79894	64046 95632 105087		tobacco			37591*
Metroxylon salomonense	79894	Finland	43067*	wheat	89561 37609*		88987*
Mevalonic acid	6736 27804 89799*	Nevada	94674	Microcline			20420
Mexican bean beetle SEE Epilachna varivestis		New York	64270	Micrococcus	7121* 44900*		106904*
Mexican fruit fly SEE Anastrepha ludnes		South Dakota	94669	Micrococcus radiodurans	7193		7194
Mexicans in the U S	7729 16615	poisoning	42446 82509 83131	Micrococcus riccardi			97129*
56166 76093		104164 72531*		Microcreagris	83757		105548*
		pregnancy	4015 41873 72534	Microctonus aethiops			14093
		104196*		Microcyba			83782
		selection	22463	Microcycas calocoma			57591
		surgery	31736 31737	Microdinodes			5142
		virus diseases	4010 22471*	Microdiplodia			8866

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.



Item				Item				Item			
Microdon	83994	5284*		Microscopy-- Cont				Microscopy-- Cont			
Microflora SEE Microorganisms				electron--cont				in wood research	40843	61575	
Microgaster calceata	95458*			in dairy research	54543			81597 21712*	51210*	81462*	
Microgramma megalophylla SEE Poly-				in dog research	104021			91778*			
podium megalophyllum				in entomological research	5276			in wool research		44525	
Micrography, electron SEE Microscopy,				14936 14975 23228	33161			reviews		75132*	
electron				52784 63973 94524	105767			phase contrast	103679	3722*	
Microlarinus lareynii	29165	32608		14910* 23706*	23715*	84211*		68590* 103263*			
Microlarinus lypriformis		29165		105709*				television		68602*	
	32608			in fiber research	21611	34569		Microseris		57552	
Microlepia		58311		51230 51235 51236				Microsetia		33445*	
Microlepidoptera				in horse research	13400*			Microsmarialla n g		63882	
Africa	33445*			in keratin research	107801			Microsmaris		63882	
as pests	105287*			in meat research	25844			Microspectrography SEE Spectrography			
Bellona Island	105936			in microbiological research	52784			Microspectrophotometry SEE Spectro-			
collecting	53487			103196 104659 61724*	94506*			photometry			
Comoro Islands	106058*			in mouse research	31717			Microsphaera abbreviata		88781*	
Europe	43307*			in parasite research	83072			Microsphaera viburni		99079*	
Germany	43269*	95431*	105918*	in plant research	636	648		Microsphenus n g		84091	
Great Britain	43274	53487		667 669 686	729			Microsporidia	73500	73090*	73756*
Ireland	14873			9256 9540 18597	18604			Microsporium canis	13270	13256*	
Ivory Coast	23180*			27612a 37703 37719	37818			Microsporium gypseum		92914	
Malagasy Republic	106058*			46745 47520 47775	47799			Microsporium nanum	22938	52593	
Neotropical Region	95391			58265 58299 68460	77143				72969		
Netherlands	53489*	95463*		78165 78186 78196	78209			Microsporium vanbreusegheemii		3818	
nomenclature	95516*			88150 99667 11*	618*			Microstictia n g		5447	
Rennell Island	105936			9374* 9416* 9520*	18586*			Microsynamma bohemani		5432	
taxonomy	95431*			27492a* 27495a* 27565a*	36663*			Microterys flavus		95281	
types	84126	95404		37663* 37759* 47753*	48366*			Microterys okitsuensis		84070	
Microlepidozia		8787		58241* 58332* 58340*	68515*			Microthamnion strictissimum		177*	
Microlichus		83773*		68564* 89198* 99864*					17864*		
Microlugenocorus n g		73723		in poultry research	22663*			Microthyriella		99057*	
Micromalthidae		94913		in pulp and paper research	71498			Microtomy	63369 78214	107858	
Micromalthus		94913		in sericultural research	94587*			75145* 105097*			
Micromalthus debilis	105669			in soil research	11310	90933		Microtonus sitonae		5177	
Micromonospora		8847*		11312* 11353*				Microtropesa		105752	
Micromycetes	8870*	8871*	99081*	in starch research	43904			Microwaves SEE Ultrashort waves			
Micromyzodium		84059		in swine research	83092			Micryphantidae		53188	53189
Micronaire	44515	54768	65355	in virus research	3862	9218		Midasia SEE Bireta (Midasia)			
Micronecta		14779		18272 18294 18305	18306			Middlebrook-Dubos reaction		3213*	
Micronecta johorensis		53392		18313 18328 18378	22150			Midgut SEE Digestive system, insects;			
Micronecta poweri		5388		23228 41973 47517	52622			Intestines, insects			
Micronecta quadristrigata		95187		53098 77888 77916	77926			Migdilybs		95245	
Micronectria agharkarii		99051		99622 99631 104441	105419			Migration SEE Land, settlement and			
Micronectriella		88503		105854 105929 3270*	47471*			colonization; UNDER Insects and names			
Microorganisms	15457	61175		47537* 91905*				of insects; Population; and SUBHEAD			
76897 87625 88177		94468		in wood research	103027	103040		migratory UNDER Apiculture; Labor			
15388* 57163* 57168*		70392*		71572* 103061*				Migratory grasshopper SEE Mela-			
conferences and congresses		27393*		fluorescent				noplus sanguinipes			
cultures	7352 92056	11362*		in animal research	72506	3181*		Migratory locust SEE Locusta migra-			
57169*				51603* 74358*				toria migratorioides			
enzymes		70364*		in cattle research	12959*			Mikania		496	77314*
feed		81660*		in entomological research	14644			Mikania cordata		80447	91181
genetics				in plant research	724	9515		Mikania ternata			8673
reviews		47921*		19367* 74358*	98779*			Mike clover			23203
glutamic acid synthesis		24555		in soil research	11369*			Mikiola fagi			105378*
pathogenic				in animal research	78103			Mildew			
to insects	23396*	83146*		in apicultural research	23439			apples	27099a 27100a	27259a	
	93939*			in cattle research	103458	103679		77761 77792	99270		
SEE ALSO names of organisms; and				in dairy research	6389	65073		grain			79164
UNDER specific subjects				75706* 85307* 96421*	96422*			hops			37330*
				96423*				wheat			27176a
Micropeltaceae		99057*		in dog research	104021			SEE ALSO kinds of mildews and			
Micropeltella		99060*		in entomological research	14757			names of causal organisms			
Micropeltidium		99061*		63973 73036 73470	95129			Mildew proofing		84995	
Micropeltis		88501*		14882* 73517*				Military service SEE Armed forces			
Micropezidae		73677		in fats and oils research	75706*			Milk			
Microphanurus	105803			in feed research	85540	6548*		acids	6371 6382	96342 106882*	
Microphor	73614				54709*			6397* 24810*			
Microphorella	73625			in fiber research	25167	85600		actinization			15721*
Microphorus	73614			51238* 65242* 71572*	75151*			adulteration	6373 15626	15661	
Microphotography SEE Photomicrogra-				in flour research	44850*			24850 34342	54537	74808	
phy				in grain research	55293	6951*		65079*	85279*		
Microphotometry SEE Photometry				16160* 85923*				advertising	44317 54588	74873	
Micropolyspora thermovirida	67955*			in hides and skins research	25966			85367 15678*	65114*		
Microprius	23616			in plant research	27612a	68460		analysis and composition		6356	
Microradioautography SEE X-rays				78103 9378* 9450*	18109*			6366 6370 6373		6388	
Microrespirometers SEE Respirome-				18110* 18390* 26784a*	27134a*			15622 15624 15639		15643	
ters				27284a* 27620a* 27891*	28320*			15645 15661 22061		22073	
Microscena n g	106053*			37692* 37769* 37778*	38377*			22166 22171 22198		22218	
Microscopy	40			58241* 68281*	68563*	68602*		24812 24819 24821		24825	
electron				89151*				24839 24842 24847		24857	
in animal research		13147		in poultry research	41975	22663*		24860 24868		24933	
25843 51570 3707*		51512*		in pulp and paper research	61459			31505 34308 34317		34319	
51603*				in soil research	20470*	49788*		41318 41536		44271	44274
in bacteriological research	103700	82224*		60198* 70250*				44282 44283 44285		44287	
in cattle research	103635			in starch research	24386*	25366*		44291 44297 51714		51753	
	103460*			in swine research	42290	42329		51781 51831 51856		54499	
in collagen research		45013									

\*Text of this reference is not in English.

	Item					Item					Item			
Milk-- Cont					Milk-- Cont					Milk-- Cont				
analysis and composition--cont					chemistry	6365	6372	6387		contamination--cont				
54514	54520	54546	54548		6388	6405	6486	6488		72082	74750	74795	74869	
54549	62142	62378	62423		15651	24858	54533	65056		74880	74884	74895	74980	
65043	65049	65057	65073		65085	65098	74759	85290		84914	85295	85381	85384	
65076	65080	72066	72349		106950	6395*	6397*	4272*		85390	85391	85401	85411	
74744	74745	74565	74787		54644*	96399*	9619*	96147*		85413	93994	96411	96493	
74792--74795	74804	82215			106902*					96515	106982	107037	3504*	
85263	85270	85291	85295		chocolate	8186	15763	44357		6443*	13081*	15684*	15697*	
85303	85316	85317	85331		85313	96554	74680*	85377*		34376*	34386*	41681*	44329*	
96427	97083	103588	106920		96337*	96630*	106951*			54504*	54511*	54603*	74773*	
3622*	3744*	6360*	6393*		clarification	25012	107039*	107040*		85409*	96430*	96504*	96507*	
6400*	15620*	15704*	22012*		coagulation	24807	24858	25036		96527*	96623*	103568*	106900*	
22028*	22030*	22098*	22126*		44278	54533	54689	12919*		106963*	106965*	106984*		
22288*	22292*	24799*	24809*		96556*	106898*	107036*			Australia	15639	24905	103518	
24832*	24838*	24873*	31166*		collecting	6409	6413	24881		106957	108984			
34325*	34329*	34334*	34337*		65106	24893*	34437*	54675*		France			54613*	
41410*	41442*	41706*	44284*		Australia			74924		Great Britain	65117		74887	
44288*	44299*	44301*	54495*		Austria	74826*	106942*			Italy	24908		85389*	
54497*	54498*	54503*	54505*		Germany		15681*	34373*		Japan			24943*	
54511*	54536*	62452*	62437*		Netherlands			24988*		Norway			20508	
65033*	65068*	65074*	65082*		concentrated	44359	44379	54625		reviews	34396		96505*	
71900*	72279*	74748*	74756*		54642	54653	54683	65060		Sweden			74834*	
74767*	74770*	74777*	74814*		67415	96568	6514*			cookery			67415	
74815*	82073*	82074*	82289*		analysis and composition			54491		cooling	25012	65149	85472	
85206*	85261*	85265*	85282*		bacteria		15650	15616*		65147*	96463*			
85283*--85289*	85294*	95299*			chemistry		24848	24875		Australia		15718	54661	
85309*	85319*	85325*	85329*		keeping quality			85387		costs			74934*	
85330*	85340*	92182*	92591*		statistics			34454		Finland			74966*	
92676*	96412*	96413*	96421*		sterilization			15650		Germany		85461*	96616*	
96422*	96423*	96433*	96434*		trade			44379		East Germany		24970*	24996*	
103516*	103849*	106900*	106907*		condensed and evaporated			15762		Ireland			25022	
and disease		6424	22203		24969	25024*				Italy			54641*	
65124	82192	22257*	24832*		analysis and composition			24818		Netherlands			24988*	
107029*					31193*	74783*		96428*		Northern Ireland			24989	
conferences and congresses		65094			associations			85446		cooling equipment	44369	106357		
Arkansas		106920			bacteria			6499		5818*	15185*	24996*	53772*	
bacteria	6362	6364	6371		chemistry			74764*		74934*	84526*	84534*		
6375	6381	6382	6393		containers			15706		Germany			84392*	
6432	6494	6510	12947		flavor and odor			6448		Great Britain			53769	
15637	15654	15693	24797		manufacture	34436		74980		Japan			33748*	
24801	24812	24849	24870		65139*	65153*	107022*			USSR	53781*	53789*	95901*	
24979	25047	34333	34344		nutritive value			54655		96638*			85502	
44274	44350	54493	54532		properties		22043*	96428*		costs and returns			35925	
54544	65058	65059	65073		regulation and inspection			65128*		Alabama			108556	
65075	65124	74752	74763		statistics			34454		Arkansas			85487*	
85267	85278	85402	96411		storage			54655		Austria			108512*	
96414	106909	3672*	6392*		consumer preferences			54562		Brazil		76444*	108505*	
6493*	15653*	24820*	24831*		74820	74832	96454	106929		Czechoslovakia			45900	
24836*	24837*	24867*	24878*		consumption	6441	8186	15769		Florida			56065*	
24951*	31391*	31430*	34331*		34349	54556	85342			Germany	16923*	45938*	56065*	
41635*	44295*	54507*	54508*		Alabama		74820	96454		66925*	66926*	82138*	85461*	
54509*	54527*	65054*	65086*		Brazil			15575*		Great Britain		16936	56560	
65087*	82143*	85307*	92616*		California		24879	54562		56607	76406	86993	98006	
92654*	92655*	96406*	96412*		Denmark			15662*		Hungary			56599	
96421*--96423*	96432*	106904*			France			17208*		India			26933	
		96599*	96600*		Germany					Indiana			45802	
bottled					East Germany			87759		Kentucky			45802	
bottling	15707	15708	15711		India	54561	57136	65101		Mississippi		45903	76456	
65172	6469*	24953*	24954*		Japan		106927	44305*		Netherlands			76457*	
74901*	96538*				Norway	51734*	85501*	106936*		Norway	45940	66950*	97962*	
bulk handling	15193	15720	24066		Poland			65112		97974*	108546*			
24069	43512	54637	54643		Senegal			54563*		Poland	54591*	76440*	87189*	
65106	65186	74993	74996		Sicily			96389*		Rumania		45832*	22306*	
106357	34437*	54675*	107010*		Sweden			65140*		Scotland	7951	16907	108510	
107026*					containers	6459	6464	6468		Sweden	45880*	56559*	56600*	
Australia	64504	74924			6470	15710	15715	24886		76388*	76408*	76442*		
Austria		107013*			24944	34404	53764	53765		Switzerland			56605*	
France		96432*			54619	54620	54622	64382		USSR			22026*	
Germany		65163*			74897	74899	96530	24946*		Utah			45895	
Great Britain		44362			34400*	74901*	74904*	96479*		Washington			108538	
Hungary		6475*			106987*					culture medium	65144	106908*		
Italy		96466*			Czechoslovakia			24949*		decontamination	65148	74930		
Missouri		15670			Germany			84392*		85436	85442			
Norway		106960*			Netherlands			34403*		defects	12874	24911	24933	
West Virginia		25041			reviews			44338		25026	74851	74856	96491	
canned	54620	54639	54682		sanitation		64504	24951*		24940*	74850*	74849*	85382*	
care and handling		24979	24997		84535*	84536*	96528*	96537*		96499*	96527*			
54545	107037				Switzerland			24945*		delivery	15664	15665	54568	
Australia			74841		USSR			34402*		65136	74821	74824	85360*	
Austria		25035*	85487*		contamination		6422	6427		96478*				
equipment		74127	74979		6435	6436	6441	6446		Denmark			96436*	
95909	24754*	24962*	44376*		6458	15685	15687	24903		digestibility			106962*	
96419*					24914	24936	24937	33636		dried	24981	34424*	108920*	
Poland			54686*		34319	34394	44322	44324		analysis and composition			6389	
Switzerland			74865		44326	44335	54514	54548		15645	24852	54520	65036	
certified	6428	85414	3672*		54606	54611	65119	65130		65081	15636*	74783*	96421*	
										96423*				

\*Text of this reference is not in English.



Item				Item				Item			
Milk-- Cont				Milk-- Cont				Milk-- Cont			
dried--cont				fat--cont				in semen dilution			
bacteria	106922	65086*	74817*	oxidation	24919	54500	74800	21968*	21969*	3373	61961
85307*	96421*	96423*		74876				irradiated		91800*	
Brazil			85482*	processing	34427	65145				65046	65047*
consumer preferences			24930	74970				judging			24922*
cookery			36308	properties	44273	74970		reviews			44330
Denmark			65153*	85332				keeping quality		15693	24842
feed	3497	91873	22110*	reviews		108963		54644	85379	6493*	24951*
22120*	73445*	92343*	92788*	Sweden		103939*		85400*	85491*	106960*	
flavor and odor			65081	tests	6377	96431		labeling		96516	34385*
Germany			25003*	utilization research		96453*		Malta			6338
in meat products			87807*	vitamins	85306	1344*		malted			74762
in semen dilution			92191*	USSR		72013*		marketing	24986	34374	44318
in vaccine preparation			62797*	feed	52557	3497	31219	54556	54566	54567	54571
industry	6484*	24984*	25003*	52557	72040	73023	82931	54573	54575	54578	54585
Italy		6484*	24984*	91873	3475*	12919*	31187*	54631	74832	85358	106357
judging			24930	31231*	31506*	51709*	51711*	106935	15671*		
keeping quality			96487*	72075*	51733*	51773*	51801*	Argentina			6423*
marketing			85429	72122*	62060*	62076*	62081*	Australia		6415	106941
nutritive value		8350	36364*	82043*	82076*	82114*	92298*	Austria			15676*
packing		24486*	24487*	103780*				California	34290	54577	106881
Peru			96633	fermented	24963	13025*	54522*	Canada	6416	54580	54642
pests			5088*	54656*	65084*	65150*	74858*	85352			
products			65179	96639*				conferences and congresses		54565	
properties		6479	15652	conferences and congresses		74950*		costs	15670	24897	34287
34316	65055	15648*	85310*	products	24925	74942	34446*	34366	34367	74824	
proteins			74783*	74892*	74931*	85490*		Denmark		6418	34369*
quality		8350	44378	filled		6519	25023	Europe			15677
reconstituted		34441	106922	74728*	85400*			European Economic Community			
22120*	107009*			Finland		54516*	65082*				74836*
regulation and inspection			65128*	flavor and odor		6365	6372	Finland			44310*
statistics			85429	12874	15688	22171	24842	France			24895*
storage	6487*	74911*	96487*	24903	24911	24933	25026	Georgia			34355
Switzerland			15745	65180	74787	74851	74856	Germany	15679*	24782*	24891*
tests	15629	15658	15648*	85334	85383	96491	96522	96465*	96467*	96476*	106940*
85310*				106950	24940*	31197*	54596*	106945*			
trade			76790	54618*	72098*	74849*	74850*	Great Britain	15668	54570	
Italy		6484*	24984*	74890*	85335*	85382*	92337*	India		106943	
drying	6479	6488	6491	92348*	96499*	96512*	106977*	Indiana		96343	
44378	54653	74917	74980	flavoring		24963		interstate		6454	
85438	15753*	65152*	107011*	for processing		15700	15701	Kansas		6412	
107058*				34395	44333	45903	106995	Louisiana		74844	
drying equipment			107059	24809*	34358*	54591*	74724*	Massachusetts		85331	
effects on plant disease			451	85407*				Minnesota		24888	
enzymes	6358	6394	15614	fortified	57128	67446*	76870*	Mississippi Basin		6408	
15625	24811	24834	54524	98393*				Missouri		15670	
65061	65085	65100	74788	freeze-drying			85460*	Netherlands		85363*	
74791	74810	85262	106899	freezing point		15626	15655	New England States		85375	
106903	24840*	31188*	51872*	15661	24814	24823	24997	New York	44317	54583	
65065*	65077*	85323*	96403*	54545	85333	96519	85279*	New Zealand	74834	96460*	
reviews			85269	frozen	6510	34443	44360	North Dakota		54579	
fat	3678	6388	6434	65146				Northeastern States		65115	
12801	15613	15643	41407	frozen concentrates	6404	54554		Northern Ireland	15675	24882	
41550	44287	51781	51831	grading and standardization		6428					
71979	74758	82098	82102	15700	15701	24910	44333	Norway	85347*	85350*	85356*
92568	107016	3378*	3580*	54595	74752	74878	74879	96480*	106934*	106936*	106949*
3762*	6360*	12814*	21983*	85292	85385	106953*	106954*	106994*	107055*		
21993*	22026*	22248*	24873*	Argentina			6445*	Ohio		15666	
41428*	41469*	51981*	62000*	Australia		106958	106968	Pennsylvania		24880	65136
62031*	62129*	62136*	72065*	Austria	74854*	106959*	106980*	106963			
71890*	74769*	74811*	74855*	106985*				Poland		54590	65112
81949*	82043*	82123*	85324*	Canada		44293		74838*	85359*	85368*	
92270*	96439*	103554*	106908*	France		74855*		regulation	6410	6420	6529
106972*				Germany		6439*	24924*	15682	15683	24900	34353
acids		34314*	106912*	34388*	74867*	74882*	85386*	34356	34359	34360	54581
analysis and composition		13102		96500*	96523*	106972*		54582	54584	74874*	
15631	24843	24853	34327	Great Britain		54599	65126	research methods			
44303	54500	54526	74747	India		96502	96521	statistical		34365	
74775	54537	85264	85274	Italy			96513*	South Carolina		24893	
85306	85320	15635*	34314*	Michigan			24956	statistics		6529	74842
44298*	51745*	51766*	85289*	Netherlands		85394*	85403*	85362	74825*		
96404*				85415*				Sweden		6411*	34303*
chemistry	65046	74800	74970	New Zealand		44323		Wisconsin			34361
96450	74764*			Northern Ireland	54604	54605		marketing quotas		54589	65107
determination		6383	15642	Norway	106952*	106955*		.65109	85371		
15646	15647	34338	44273	Poland		85366*		microorganisms		24845	44361
65048	74809	85313	3446*	Scotland		54597		84404	6396*	15705*	24808*
3452*	4019*	6357*	24833*	Sweden		6437*		54495*	74916*	106902*	
34336*	44299*	54516*	65041*	Wisconsin		34395		New Zealand			6352
74756*	96440*	106907*		homogenization		13108		Norway	34325*	44284*	74767*
dried			107017	54645	107008	107016	85491*	85206*	85282*	85288*	
feed			3654	107039*	107040*			nutritive value		57136	57137
Finland			96453*	homogenized		34418	85313	87759	98389	108967	8364*
flavor and odor			54500	hydrogen-ion concentration		54501	54501	54497*	76875*	98405*	108968*
India			96474	3383*	3384*	34321*	34347*	reviews		46471	108963
keeping quality		24919	44270	44301*	74781*	96409*		oxidation	41497	65098	65129
				hydrolysis			41497	85383	54596*	85334*	85335*
								106977*			

\*Text of this reference is not in English.

	Item		Item		Item
Milk-- Cont		Milk-- Cont		Milk-- Cont	
oxidation-reduction potential	74890*	processing	3497 6485 6510	refrigeration	15710
85334* 85335*		24957 24986 24997	25026	Australia	54651
packing 6467 65140*	74907*	34380 34391 54545	65180	Austria	25035*
107049*		85333 107021 6483*	6493*	France	25033*
Denmark	44340*	6520* 25040*	54678*	Germany	74948* 96635*
Finland	65134*	74927* 85447*	85468*	India	54676
France	96532*	96651*		Rumania	96553*
Georgia	34355	costs 24897 34287	44268	Sweden	56632*
Scandinavia	44340*	25044* 34426*		USSR	74961*
pasteurization	13108 25001	processing equipment	6490 15763	regulation and inspection	6363
54645 54677 65059	15653*	95902*		6454 24939 34391	74873
24985* 65161* 74955*	85491*	production quotas	24786	85263 85358 85385	85392
pasteurization equipment	34438*	production regions	24760 34290	85401 85407* 85414*	
54688*		44249		Austria	107011*
pasteurized		properties 6393 24851	24856	Canada	44331
analysis and composition	65050	54525 65056 65060	74759	conferences and congresses	54467
85302*		74768 74799 22098*	65067*	Germany 24916* 34383*	96500*
bacteria 6506 15633*	65054*	74798* 74813*	92490*	Great Britain	15690
65063* 85302*		96410* 96438* 106908*		Ireland	103199
containers	34398*	conferences and congresses	65093	Italy 15699* 34363*	44325*
contamination	106983 24906*	proteins 3457 6335	6359	85380*	
Greece	96622*	6485 15513 15613	24817	Japan	96508*
India	96341 96626	24819 44271 52557	65069	Netherlands	3628*
Italy	44351* 54616*	65083 65146 65159	71979	New York	85406
keeping quality	6431* 24906*	74744 81974 85315	87799	Norway	92398*
Kenya	25018	85220 92366 96554	106950	Pennsylvania	65123
marketing	54572*	3482* 6439*	12814*	Republic of South Africa	34379
quality	34378	22038* 25027*	44225*	96427	
policies and programs		51972* 51981*	61966*	Sweden	81778*
Argentina	106869*	61991* 65089*	71921*	sanitation	24915
Australia	85257	72083* 72344*	92182*	24918 24942 24963	65058
Brazil	74676*	96436* 96439*	106924*	65183 74127 83241	85267
France	44309*	106959* 106972*		85392 85441 3121*	24971*
Hawaii	54465	chemistry	6361 6486	51949* 81799* 85388*	86227*
India	54470	65035 85447*		92506* 96615* 103933*	
Poland	85237*	determination	6402 24854	Argentina	6423*
Switzerland	6350*	54521 65048 65064	65078	associations	54334
prices 34367 44342 54573		65096 72002 74334	74782	Finland	6503*
54624 54631 54635	85371	85270 85291 96448	106925	Germany 85398* 96510*	96636*
106935 107000		6369* 15618*	34312*	96637*	
Argentina	96546*	54512* 54539*	65090*	East Germany	74860* 91961*
Australia	15717	74812* 96402*	96441*	92379*	
California	85426 106995	103438* 103452*	106907*	India	24913
Colorado	74690	reviews	108963	Italy	54616*
control 24957 34407 34409		purchasing 34375* 54591*	74838*	Japan	44383* 96508*
34411 54625 54628	74909	74845* 85348*	85359*	Kenya	25017
85424		96485*		Netherlands	85394* 85415*
Austria	107011*	quality 3597 34380	41616	New York	92635
California	85425	44283 51813 62454	72336	Northern Ireland	25042 106970
Germany	34409* 96542*	74284 74878 85378	3504*	Norway	24934
Great Britain	65117	41649* 54686*	65125*	Sweden	41722* 95766*
India	96548	82073* 82074*	92307*	Switzerland	74865 6430*
Michigan	24956	92311* 92348*	92523*	USSR 15705* 24902*	85303*
New York	54583	96479*	96406*	United Arab Republic	24926
Pennsylvania	106998	Australia	3730 15717	Venezuela	6492*
Europe	54634	Austria	106923*	situation and outlook	6434 44244
European Economic Community		Brazil	41723* 15575*	44252* 85213*	
Finland	74910* 96543* 1	California	22197 74859	Brazil	7110* 15575*
Germany	96550* 97859*	conferences and congresses	62434	France	97927*
Great Britain	6332	Denmark 22297* 54608*	54609*	Germany	96462*
India	54632	54615*		Italy	85202*
Italy	24961*	Finland 3760* 74966*	74872*	Netherlands	85187*
Japan 34408* 34410*	44343*	Germany 6447* 15694*	33615*	New Zealand	6354
106996* 106997* 106999*		65160* 74681*	74867*	Norway	96658*
Mississippi	45903	74881* 85397*	96478*	Oklahoma	6472
Netherlands	85427* 96541*	East Germany	6426*	Poland	74837*
Nevada	6434	Great Britain	65126	Republic of South Africa	92274
Norway	6473* 96658* 106936*	Indiana	45802	6434 54670	103781
106994*		Ireland	22234	25024* 25050* 85360*	
Oklahoma	6472	Italy	6452* 85404*	analysis and composition	54538*
Pennsylvania	24959 65136	Japan	31525* 53688*	bacteria	106922 107033
65137		Kentucky	45802	culture medium	24845
Poland	85428* 96547*	Latvia	22093* 24921*	dried	74917 82931 107033
Spain	24960*	Netherlands	92638*	107054 24976*	51709*
support	44341 96540*	New York	54583	65164* 82905*	107033*
Sweden	6411* 54633*	Northeastern States	65115	feed	52533 72040 104782
processed	6486	Norway	92398* 106918*	3096* 12503*	13025*
Argentina	107064*	Rumania	22113*	22906* 31158*	51791*
bibliographies	24990*	Scotland	72032	52558* 62132*	72931*
European Economic Community		Spain	24960*	75009* 92339*	104288*
Germany	24932* 34390*	Sweden	74893*	106930*	
reviews	25016	Switzerland	74865 82256*	fortified	76883
Sweden	74995 65140*	Texas	96519	in meat products	86127*
		USSR 15705* 31173*	31237*	in semen dilution	103500
		74756*		processing	54659 85440
				25037*	

\*Text of this reference is not in English.



Item				Item				Item			
Milk-- Cont				Milk-- Cont				Milking-- Cont			
skim--cont				toned				equipment			
products	54969	96630*		transportation	6519	25004		Australia	84394	106444*	
properties		24845		96479*	96615*	85263	85372	24062		33636	
proteins	85314	85440		Australia	74821	74841		Austria		95786*	
reconstituted	61961	74953*		by truck	15680	24883	74846	Finland		24067*	
solids-not-fat		6434	15613	74822	34373*	74776*	106938*	Germany	95780*	106249*	
41430	54492	96502	6360*	costs	34355	54574*	85355*	East Germany	53681*	106250*	
24799*	31089*	96436*		Denmark			54574*	Great Britain		95770	
analysis and composition		74757		Germany	24899*	96463*	106937*	Japan		5724*	
85326*	85327*			Italy		34363*	96466*	maintenance and repair		33624*	
determination		6402	6403	mountain areas		34364*	96475*	74000*			
24818	65048	65064	72002	Netherlands			96464*	Netherlands		43523*	
74743	74758	74765	85280	New Zealand			96482*	parts		43516*	
54531*	74749*	96415*	106905*	Rumania			96553*	sanitation		5719	5730
106906*				transportation equipment			24884	15358	24061	33636	74012
reconstituted		57128		24886	24883*	84392*		84404	84653	84658	95787
sour	74739	41539*	44327*	United Arab Republic			22260	33624*	33629*	95763*	
statistics	15769	65190	85502	vitamins	6365	31522	51995	USSR		33638*	
25050*				57135	65049	74759	57148*	Germany		74681*	
Finland		15768*		67446*	74814*	96425*	98393*	Hungary		13190*	
Germany		96657*		103921*				Japan		64395*	
Norway	85497	34456*	106949*	weight and measurement		53682		labor	16613	31220	26556*
Poland		96661*		74848	74896	106973	54614*	26561*	62467*	103661*	103919*
Sweden		65189*		74901*				occupational diseases		41708*	
sterilization		6486	6494	SEE ALSO Acidophilus milk; Buffalo's				sanitation	3732*	24902*	32313*
6496	15727	24875	24992	milk; Buttermilk; Colostrum; Curds;				82339*	92654*	92655*	
25011	44359	44361	54682	Goat's milk; Horse's milk; Protective				technique	3726	3730	3741
65172	74943	6464*	21790*	milk; Sheep's milk; Swine's milk;				3755	12946	13212	31501
25002*	74987*	85470*	96581*	Whey; Yoghurt; kinds of milk tests;				41711	51967	62460	35015
96600*	96634*	107029*	107049*	and SUBHEADS in milk UNDER names				72353	82312	103827	3746*
sterilization equipment		44384		of food elements; milk production				3761*	22312*	22313*	31510*
74949	24999*			UNDER names of animals				43523*	51860*	51968*	51971*
sterilized	6519	54620	54625	Milk fever				62469*	72337*	82350*	84387*
54639	54683	67415	6469*	cattle	51834	51871	51888	84394*	92545*	92614*	92625*
96538*				72237	72290	72302	82249	95796*	103933*	103942*	103945*
analysis and composition		54491		103609	103674	22180*	22186*	SEE ALSO UNDER Sheep; and SUB-			
bacteria		65054*		41584*	41686*	92443*		HEAD milk production, effects of			
Belgium		34415*		causes		62307*	72299*	milking UNDER Dairy cattle			
color		15762		prevention	92309	13005*	22227*	Milking barns	24240	31220	74207
conferences and congresses		54636		72299*	82159*			5922*	5924*	15290*	24252*
keeping quality	85387	6431*		reviews			92462*	43783*	95970*	106431*	106465*
Netherlands		24954*		treatment		3676*	31298*	construction		15282	43753*
nutritive value		108954*		41687*	72149*			designs and specifications		5895	
quality		34378		causes			72074	5908	15305	95998	106444*
Republic of South Africa		96609*		swine	83083	93869	104866	ventilation		84651	
reviews		65171		52613*	63312*	73011*		Milking machines		15103	41711
storage	6506	25012	34443	Milk-o-meter			6391*	and disease	3649	12946	24070
44363	54545	65146	54644*	Milk plants				31397	31484	82221	103827
106960*				accounting	85248	74715*	74731*	31417*	52002*	82182*	92401*
substitutes	75489	74728*	85250*	74910*	85210*	96390*	96391*	92428*	92497*		
feed	31219	62566	92281	Argentina			107064*	Australia		24068	74013
92333	3428*	3438*	12871*	Canada			25051	construction	95788	33613*	34393*
22063*	22122*	31174*	31178*	cooperative	44307	65111	6351*	74001*			
51703*	51757*	51767*	51773*	85233*	96484*			Germany	15100*	33615*	62467*
51802*	72004*	82079*	82930*	Denmark			106873*	64399*	84392*	95783*	
92362*	103545*	103556*	103570*	designs and specifications			15763	East Germany		5715*	73996*
surpluses	6412	54628	54653	106866*				Great Britain		15283	53675
85244	85220*	106930*		directories	6457	24776	106878	hazards and safeguards		41708*	
Sweden		24874	6357*	106981				Hungary	13190*	33625*	84385*
temperature		22242	24899*	Finland				Italy		5714*	
44286*				Germany				Japan		33612*	33630*
testing equipment		15393	15626	East Germany				maintenance and repair		73994	
44278	6391*	34347*	54536*	Great Britain				106253	33619*		
74756*	74776*	85340*	96409*	India	96341		96358	Netherlands		92638*	
tests		3568	6363	Italy			6346*	operation	15092	15103	31484
6380	12947	15615	15637	Louisiana			24793	51967	53672	73992	73994
15641	15642	15646	24797	management				84388	106255	106258	5724*
24802	24807	24814	24827	85212	85259	85376	107062	13017*	13018*	22870*	31510*
24844	24850	24866	24871	6351*	85233*			31525*	33613*	33631*	43509*
34333	34342	44293	54493	Austria			106876*	51971*	53688*	64393*	64395*
54501	54521	54529	54532	Germany			34295*	72339*	73998*	84387*	92614*
65037	65044	65058	65059	India			74708	95796*	103661*	106254*	
74752	74758	74761	74782	Indiana			96343	parts	53682	73997	74014
74808	82192	85278	85292	Switzerland			65032*	84399	95772	106247	43518*
85296	85300	85337	85402	Vermont			44268	43521*			
96401	96451	106909	106911	mergers		24986	44250	pipeline	5726	15761	43506
106913	106917	106968	15609*	Minnesota			27068	43515	74009	15104*	22297*
15611*	15618*	15633*	15634*	pest control			42736	43522*	72337*	95767*	
24810*	24831*	24837*	24878*	Poland			85256*	bibliographies			15101
31391*	34321*	34329*	34331*	regulation			24766*	purchasing			64385
34335*	54504*	54515*	54536*	Spain			54463*	reviews			84380*
54609*	65079*	65095*	65097*	Sweden			96660*	sanitation	15097	33635	43515
74773*	74781*	74813*	74854*	Milk powder SEE Milk, dried				73999	74005	74007	74009
74790*	85279*	85322*	85325*	Milk separators SEE Cream separators				34331	84398	106259	5713*
96432*	96512*	106918*	106923*	Milking	3346	51900	62018	43519*	82318*	82339*	84386*
106952*	106953*	106954*	106955*	3516*	3735*			95766*			
therapeutic use		103757*		Denmark			51956*	standardization		53690	
								Sweden		92625*	92634*

\*Text of this reference is not in English.

	Item			Item			Item	
Milking machines-- Cont			Mills and milling-- Cont			Minerals-- Cont		
Switzerland	15104*	54373*	situation and outlook	16103	16151	fertilizers--cont		
tests	15093	33628	25660	25751	34868	corn	11484*	29715*
53676	15091*	15099*	44860	55350	107493	39975*	50123*	29715*
USSR	15096*	43503*	statistics	44841	44822*	80362*	91061*	80314*
Milking stalls	43764	84652	Switzerland	25725*	44958*	cotton		2343
106465*			86023*	86024*		cucumbers		11544*
Milkvetch SEE Astragalus			Syria		55349*	developing areas		40078*
Milky disease	32997	106069	Taiwan		107462	Europe		50134*
Millet		19540	tests	34890	34850*	Festuca ovina		50426*
analysis and composition		25705*	types	16157	34947	field crops		91150*
anatomy and physiology	101994		85913*			29755*	39903*	29679*
100124*			Venezuela		44840	30351*	70660*	40044*
costs and returns		76410	yields		25636*	91032*		49933*
culture	19487	48692	SEE ALSO Sawmills; and SUBHEAD			Finland		80441*
90207			milling UNDER specific subjects			flax		68400*
feed		41504	Milo	2466	12912	fruit	50183*	80458*
fertilizers	2451	80434	76770	82055	18996	Germany	39906	29843*
seeds		97432*	82944	62110*	82060	East Germany	43575*	84449*
storage		75367*	Miltogrammatinae		83985*	grain	50103*	50026*
varieties	69403	73737*	Miltonia		39298	grapes	20605*	102076*
yields	69403	101994	Mima polymorpha		83504	80256*	101985*	70586*
Millettia		88397*	Mimegralla		73677	hemp		20619*
Millettia laurentii		12462*	Mimetidae		33042	Hungary		91147*
Millipedes SEE Diplopoda			Mimicry SEE UNDER Insects and names			lawns	40012*	43563*
Mills and milling		7038	of insects			legumes		91165*
8500	16133	16150	Mimidendrus		33079	Mediterranean area		70586*
25569	25571	25586	Mimiophthorus ruwenzoriensis		23618	oats		50100*
25743	25744	34855	Mimips	33079	94953*	onions		80391*
44825	44878	44927	Mimoelasmodesma n g		95261*	Pakistan		29774
55275	55358	65761	Mimonthophagus n g		63908*	pastures and meadows		80320
85983	86033	107508	Mimosa		26825a	11621*	40046*	11459*
34891*	34925*	44874*	Mimosa invisa		59993	pears		80316*
75333*	35874*	86056*	Mimosa multipinna		10001*	Picea glauca		60539*
as an occupation		44939	Mimosa pudica	37927	18899*	Pinus	30324	61077
associations		85942*	Mimosa webworm SEE Homadaula		89085*	99291*		61077
Belgium		55228*	albizziae			Poland		50433
Bulgaria		44881*	Mimosine	48559	48560	potatoes	29767	50120*
Canada		86028	59010	72655		60343*	80249*	80321*
Colombia		7063*	Mimosoideae		88273	101936*		80336*
conferences and congresses			Mimotemnosterus		94825*	Quercus		102584*
Austria		86029*	Mimoxylcopa SEE Xylcopa (Mimo-			rice		91168*
Germany	25555	25556	xylcopa)			rye	91105*	80321*
34853*	65681*	85928*	Mimozygocera n g		94825*	Salmalia malabarica		50807
85936*	85941*		Mimulus	37730	58754	Scenedesmus obliquus		38391*
cooperatives		75382	Mimulus		98946	sugar beets	11460*	11484*
costs		75477	Mimulus cupreus		48555	11541*	20711*	39904*
Denmark		44912	Mimulus glabratus		37730	40040*	80251*	101909*
directories		65707	Mimulus guttatus		47918	tea		11250*
equipment	6975	16097	Mimulus tigrinus		37730	tobacco	60362*	60402*
16099	95895	25653*	Mimusops elengi		8866	60417*	60508*	60414*
43622*	55263*	75372*	Mimusops heckelii		21723*	tomatoes		29774
86035*	86043*	96947*	Mincemeat		25962	trees		71188
Europe		55294	Mine timbers	40900	51175	USSR	11570*	11849*
European Economic Community		16105*	61398*			39695*	39900*	40067*
25634*	25700*		Mineola SEE Acrobasis			40362*	40372*	40375*
France	25695*	75387*	Mineral oil	47401	85736	49967*	50148*	50399*
107503*		85994*	52621*			60450*	60464*	60503*
Germany	7034	44912	Mineral rights SEE UNDER Land			60790*	70508*	70888*
25574*	23615*	25644*	Mineral spirits SEE Petroleum spirits			80732*	90830*	91393*
25663--	25665*	25720*	Minerals			101950*	102012*	102043*
25732*	25740*	25773*	effects on Avena fatua		100396*	102334*		102048*
34934*	34935*	44875*	effects on Azalea		100371*	vegetables		11458*
55273*	55286*	55332*	effects on fungi		10128*	101973*		40110*
65673*	65748*	75405*	effects on Hevea brasiliensis		58601	wheat	2360*	2374*
85957*	85965*	85968*	effects on Mentha piperita		38183*	20593*	29715*	29818*
107461*	107498*		effects on peaches		37679*	40109*	50055*	50123*
East Germany		44938*	effects on Pennisetum		10116*	60462*	91060*	91067*
Great Britain		55325	effects on Pichia indica		58494	Yugoslavia		50423
history	16080	16156	effects on Pinus		50915*	in Acer		48367
55359	55363	16158	effects on plant disease		18262*	in Aesculus hippocastanum		48367
France		44943*	99291*			in alfalfa	27925*	47950*
Germany	44891*	44913*	effects on plants	1146	69027*	in animal nutrition	3047	12621
Great Britain		44905*	effects on Scenedesmus acutus		38295	25094	51456	85541
Hungary		44924*	effects on spinach		89420*	103137	3084*	30780*
Italy		25627*	effects on vegetables		18900*	41237*	41255*	51427*
Kansas		55324*	fertilizers	2214	39781	61651*	71625*	91834*
Poland		55364	11539*	11850*	14998*	91853*	103117*	
25746*	44888*	25628*	29470*	49776*	50083*	in animal physiology		81788
55303*	85909*	44981*	60789*	70418*	84439*	in apples		78872
portable		86061*	102323*	102340*		in barley	78621	89326
regulation		44849	algae		38391*	in beans		69010*
research programs		6946	apples	60539*	102039*	in blood		93668
sanitation	6946	6984	Aztec tobacco		60526*	in Bombyx mori		42840*
25622	44912	16132*	barley		39953*	in broadbeans		89398*
94429*		25670*	broadbeans		70542*	in bulgur		75449
			buckwheat		80327*			
			Coniferae	61093	71173*			

\*Text of this reference is not in English.



Minerals-- Cont				Minerals-- Cont				Ministers SEE Clergymen			
in cattle nutrition				in sisal				Minks			
12898	22092	12853	12882	in soils				anatomy and physiology			
72011	92278	92280	92328	11198	11234	11244	11245	associations	25908	92775	104060
3436*	3440*	3484*	3490*	11261	11262	11301	11389	breeding	22374	92778	62561*
12859*	31101*	31148*	31198*	19170	20389	20418	20438	92780*	92782*	92784*	
32352*	51776*	51799*	62092*	29446	29484	29494	29511	effects of age			92779*
62126*	82032*	82070*	82124*	39699	39701	39715	39720	effects of feeding		62566	82417
82235*	92298*	92342*	103557*	39732	39743	39761	49754	92794	92803	72451*	92787*
103564*	103607*			49866	50136	60174	60176	92804*			
in cattle physiology	72237	92291*		60181	60182	60734	70339	effects of light			92841
92468*	92496*	92520*		79951	79998	80013	80014	seasonal			92785
in celery			27884	80045	80052	80061	80064	breeds			22373
in citrus			38331*	80067	80073	80082	80084	care	52081	82425	104063
in clover			27925*	80096	90846	90884	100373	color		22373	22375
in coffee		27959	101959*	101723	101726	11312*	20425*	costs and returns			108557
in corn	78243	9697*	47947*	20470*	29469*	29490*	39685*	culling			62561*
38993*	80415*			39797*	49682*	49700*	49712*	cytology			82418
in cotton			68098*	49975*	49977*	60167*	80080*	diseases	4784	22382	31647
in currants			37981*	101698*	101736*	101771*	101817*	52077	72453	92821	92840
in dairy products			54503*	Argentina			60389*	52080*	93859*	104078*	
in feed	22575	15775*	22511*	Australia	20444	29631	101703	equipment			24232
51697*	54718*	85531*	93073*	British Guiana			2138	farms and ranches		31648	92846
107079*				Bulgaria			29505*	104081			
in fish			36362	Canada	11235	11269	11424	feeding and nutrition		3925	22377
in flour	25570	55250	98412	11574	29766			31642	32415	92778	92795
25581*	34902*	55282*	55308*	Ceylon			101725	92797	92806	92846	104063
75394*	85988*			Chile			80150	62562*	82412*	82413*	92789*
in food	97258	43925*	54121*	Estonia		2165*	69583*	92790*	92798*	92800*	92801*
106575*				Europe			68337*	deficiencies		52068	104071
in forage plants		24389*	27783*	Finland	70293	80034	80035	Denmark	3926*	31641*	62564*
47980*	71606*	71676*	78744*	Florida			2056	62565*	62567*	92791*	104061*
90957*				France	39694*	39817*	49974*	Norway			92802*
in fruit			58530*	Germany			80002*	Oregon		41804	52069
in grain	67456	24389*	25668*	East Germany		29592*	71606*	Pacific Northwest			3924
34902*	44823*			Ghana			9639	Poland			72456
in grapes		100127	9763*	Great Britain		20573	37614	research methods			
in grasses	12020*	70576*	78437*	101737				linear programming			41804
82013*				Great Plains			29623	52069			
in hay			78516	Illinois			90868	Sweden		92786---	92788*
in Hevea			38336*	Italy		80018*	90881*	fertility	3922	52066	52067
in honey			83661*	Japan	2141	2160	2161	82417	92803		
in horse nutrition				101730*				fur production		22375	31649*
reviews	13365*	22404*		Michigan			49859	62563*			
in horse physiology		3969*		Netherlands		2258	39937	genetics	13314	22373	22375
in human nutrition	27346	98368		2098*				31640			
in insecticides		105068*		New Zealand			101704	growth			13323*
in legumes		58704*		Nigeria			39839	habits and behavior			92822*
in Lolium	798*	80415*		Norway			20434*	housing		24232	95977
in milk	54499	12846*	22288*	Pennsylvania			2274	litter size		62561*	92779*
34334*	54503*	65074*		Philippines			70279	losses			92816
in millet			25705*	Poland	11400*	49689*	60177*	marketing			25908
in mink nutrition	92799	104064		Republic of South Africa			49737	mortality			82424
in molasses		7452		Rumania	37594*	90394*	101852*	parturition			92814
in oats		9707		Sao Miguel Island			70265*	pelting	22383	41809	41814*
in peaches		68780		Sao Tome Island			49750*	pest control			94257
in Phragmites		78348		Spain		50105*	70302*	poisoning			52072
in plant nutrition		1134	9669	Texas			20394	pregnancy		82418	82419
9891	18584	18896	19136	Tropics			20512	sanitation			22382
27908	27915	38070	38227	USSR	20421*	20511*	29473*	shows			22390
38489	48017	48023	48489	39760*	49671*	70300*	70322*	study and teaching			41810
68916	78533	100114	100176	78058*	91522*			watering equipment			95797
100362	907*	917*	935*	United Arab Republic		60075		weight and measurement			92822*
1089*	1192*	9903*	10108*	60132	60147			SEE ALSO names of anatomical parts,			
10111*	10148*	10163*	18872*	Vietnam			60123	body fluids, diseases and other			
19034*	19607*	38137*	48252*	in sorghum		78596	25705*	pathological conditions, operations,			
58511*	58530*	58547*	58602*	in sugar beets		48362	83471*	parasites, pests, and products			
69040*	69045*	69046*	78644*	in sugarcane			18875*	Minor elements			
78700*	78758*	78781*	89534*	in sunflower seeds			17236	conferences and congresses		17294*	
89671*	100154*	100275*	100404*	in sunflowers			68993*	determination		15388*	
in plants		38121	78392	in swine nutrition		72011	4485*	effects on alfalfa		938	
78377	2357*	10017*	10112*	13778*	13793*	32352*	32411*	effects on apples		911	68683
12019	27945*	39797*	48234*	42248*	42256*	104929*		18978*			
48389*	54106*	58501*	58664*	in swine physiology		63273*	83085*	effects on Aspergillus oryzae			100329
78371*	80190*	89470*		in swine's milk		34334*	65074*	effects on bacteria			60204*
reviews			48000*	in tobacco			14752*	effects on bananas			58883
in Populus			50803*	in tomatoes	9848	9849	68993*	effects on barley			38279*
in potatoes			88706*	69010*				effects on beans			48329*
in poultry nutrition	22564	31836*		in turkey nutrition		62759	93068*	effects on bird rape			100446
93133*				in vegetables			6745	effects on cabbage	48510*		78893*
in rice			89326	in water			29942*	effects on citrus			100412*
in root crops			24389*	in wheat	55250	16091*	16134*	effects on corn			19089*
in rumen			30990*	25694*	44827*			effects on cotton		1271*	9806*
in ruminant nutrition			21804	in wine	74642*	89406*	96256*	47934*			
reviews			91871*	in wool			75073	effects on eggplant	48510*		78893*
in rye			38356	in Zantedeschia aethiopica			89797*	effects on fungi			27137a
in sheep physiology	82831	104639		SEE ALSO Minor elements; and				effects on grapes			9764*
32292*				names of minerals				effects on oats		938	48423*

\*Text of this reference is not in English.

	Item				Item		Item
Minor elements--Cont		Minor elements--Cont			Misericoccus imperatae		43156
effects on plant disease	367*	in soils--cont			Misionin		57421*
99405*		Australia	49903	70307	101719	Mismia n g	5524*
effects on plants	58514	Bulgaria			60169*	Miso	34189* 106803* 106805--106808*
89488	100201	California			90883	106817* 106829* 106851*	
1343* 13032*	18885*	Finland			2163*	Mist propagation SEE SUBHEAD propa-	
58860* 100439*	100562*	Germany			11605*	gation, by cuttings, mist humidification	
effects on red clover		East Germany			60116	UNDER Plants and names and classes of	
effects on Satsuma oranges		Great Britain	11220		68941	plants	
effects on seeds	19133	101777				Misumena	42951
19132*		Mali			29514*	Misumenoides	42951
effects on sugarcane		Mississippi			78537	Mites	
effects on tobacco		New Zealand	101713			anatomy and physiology	83760
effects on tomatoes	19254*	Norway			20434*	63861* 105599*	
88606*		Spain			60124*	and disease	4683 4777 14021
effects on trees		Surinam			49692*	32653 42494 52416	52786
effects on vegetables		Sweden			49696*	63507 94080 52801*	52820*
effects on wheat	69149	USSR			11570	73171* 105109*	
fertilizers	2441	in sorghum			25705*	bibliographies	73150 73151
11503	20596	in soybeans			91186	reviews	4780
40377	50415	in sunflowers			48630	and plant disease	63660
102316	102327	in swine nutrition	4508*		4529*	reviews	52749
50112*		51451* 63198*	63202*		72919*	Antarctic Region	23575
carrots		82956* 104916*	4500*		31456*	ants	53213
chickpeas		32470* 32500*	63273*			Apis mellifera	105422 105447
coconuts						apples	
corn	11492	in tomatoes			38456*	14189 32831 32847	42385
cotton	11572	in turkey nutrition			93068*	42666 42681 42693	42701
cucumbers		in vegetables			9862*	52958 52972 63616	63618
field crops	49983	in water			49828	63628 63632 83397	83420
60536	2402*	SEE ALSO names of minor elements				83431 83440 93956	94364
29819*	50008*	Mint SEE Mentha			94687	23317* 32841*	32842*
Finland		Mint oil			26072	32859* 42656*	63647*
Germany	2358*	Minthodexiopsis			95072	Arceuthobium	
grapes		Minuartia SEE Arenaria				as pests	63565 4886* 23333*
oats		Minuartia innominata			36870	73055* 94448*	
Pacific Northwest	101908	Minuria denticulata			18517	as predators	52958 634441
pastures and meadows	80404*	Miocolus SEE Blacus				94687	94741 94768
plants	90927*	Mirabilis			18614	bats	5079 94742 5077*
potatoes	80343*	Mirabilis jalapa	5543*		9423*	5078* 14429*--14431*	14434*
rice	11534*	47251*				63858* 63881* 63902*	83775*
Southern States	60521	Miraxis n g			84117	94691* 94707* 94708*	
sugar beets	11573*	Mirex			105070	beans	42638
29761* 91151*		Miridae				beavers	33100
Sweden		as pests			105233*	bibliographies	83812
USSR	11857*	biology			84033*	biology	23561 14475* 94797*
60788* 70599*	40064*	Canada			14737	birds	5068 14461 33034
vegetables	40008	China			95200*	63844 63853 94694	94705
29813*		control	14190	14203	52932*	105564 14428* 14435*	23534*
in animal nutrition	71644	chemical	52970	105270	105271	23535* 42914* 52794*	53203*
91813	3086*	105285 105302 105265*	105301*		105301*	63850* 63866*	83761*
51436* 71667*	103113*	conferences and congresses				blackberries	73277*
in animal physiology	68941				104972**	Brazil	14422* 94778*
31015* 86126*	103362*	Czechoslovakia			95237*	cacao	42704
in cattle nutrition	82093	eggs			5414	California	42400 42401 63848
12859* 31466*	51718*	Far East			105840	Canada	53007
in cattle physiology		flight			33290	castorbeans	14146
in cucumbers		food and host plants	14737		33290	cattle	52800 53192
in dog physiology		95171 95233*				Chrysanthemum	14091 63589*
in duck nutrition		France	23746*		105864*	citrus	14187 14210 14463
in eggs		Germany			84033*	37041 42657 42687	42946
in fats and oils		Great Britain			5432	52939 63607 63622	73529
in feed	40377	insecticide resistance			63654	83798 94363 105264	105272
in forage plants	19111	104972**				105313 4848* 14173*	83464*
61624* 71676*		Iran			5398*	105266*	
in goose nutrition		Ivory Coast			23302*	coconuts	83760
in grasses		life history			14745	Coleophora deauratella	5096*
in horse nutrition		Madeira			14746*	Coleoptera	5072 23553 33053
reviews	13365*	Malaysia			33256	73522	
in human nutrition	108926	mountain areas			53393	collecting	14423 95615
in insect physiology		Nigeria				control	4777 13915 32701
in livestock products		reviews			105267	42681 83470 32664*	42455*
in milk	97083	North America			14735	biological	83171
in millet		populations	23302*		105233*	Bulgaria	42656*
in oranges		rearing and breeding	5414		14745	California	4683
in plant nutrition		105851				chemical	32831 42551 42586
28127 47963	48040	Saudi Arabia			64130*	42653 42701 52698	52726
78374 89404	18876*	Sweden			95233*	52755 52760 52783	52800
in plants	49828	Tanganyika			5417	52939 52961 63566	73130
48316* 58576*	58841*	taxonomy	53405	84056	5411*	73259 83431 83445	94364
78224* 78693*	100492*	14777* 33289*	84062*		95263*	104995 105054 32823*	52697*
in poultry nutrition	51451*	95264* 95265*	95268*		95270*	52742* 52930*	52985*
in sheep nutrition	4351	Turkey			43185	83464*	
32212* 52409*		Uganda			53393	China	105109*
in soils		Miro SEE Podocarpus ferrugineus				Colorado	4865
49828 70376	11205*	Mirotelenomus			5452*	cultural	94448*
20457* 20468*	49700*	Miscanthus	47683	47699	77361	Great Britain	83472
50239* 60363*	101711*	Miscanthus sinensis			99905*	Hungary	105121*

\*Text of this reference is not in English.  
 \*\*Text of this reference partially in English.



	Item			Item			Item	
Mites-- Cont			Mites-- Cont			Mites-- Cont		
control--cont			man	52786	52812	wheat		14088
India		83375	63487*		52801*	wildlife	53190 105092	94753*
Ireland		14026	mandarin oranges		52953*	94790*		
Japan	32621*	32859*	marsupials		42917*	Miticides SEE SUBHEAD	mite control	
Maryland		63618	mice	5059	14414	UNDER Insecticides and names of in-		
natural	52958	53008	94674		23512	secticides		
63640			monkeys		42917*	Mitochondria	78151	89906 100725
New Jersey		93956	mortality		63851	apples		59008
New York		63616	Musca domestica		53227	Antheraea pernyi		73451*
Pacific Northwest		4835	mushrooms		63874	barley		658
Pennsylvania		13959	Nepal		5079	corn		28324
tests	23195	42693	Nevada	14414	53186	insects		52713
Texas		73053	83753	94674	63843	Locusta		43317
USSR		4659*	New York		52989	Periplaneta americana		23921
Copris hispanus		94697	Noctuidae		53222	53522		
Corylus avellana		83448	okra		14088	pigeons		43317
94359*		52930*	ornamental plants	52989	63441	plants	8548	8633
cotton	23195	32747	73280	52977*	52981*	10190	19383	27484a
52866	63546	63547	oviposition		52985*	38605	48563	47710
63565	63566	52867*	reviews		83122	58739	59092	68302
104978*	104979*	105160*	Palmae		14188	69265	69330	100177
Cryptomeria japonica		32907*	peaches	63610*	94362*	9450*	27846*	37752*
Cucurbitaceae		14088	pears	4865	14205	58694*	59046*	68893*
63589*	83493*		83395	83445	23317*	100658*		
currants	83469	83470	32842*	63647*	73278*	Pseudaletia separata		106008*
83472	83435*	94407*	Philippines		5106	Pteridium aquilinum		99829
Cynodon dactylon		32868	phylogeny		53206	rats		43317
cytology		94418	Picea	32914*	105588*	Schistocerca gregaria		84192*
development		14480	pigeons		32701	yeasts	99627	68465*
dogs	63519	94092	pineapples		63885*	Mitomycin C		89166
105145		105086	Pinus sylvestris		83558*	Mitosis		
ducks		83761*	plums	83397	42713*	Acheta domesticus		78153
ecology	63838	73537*	poisoning	32625	93937*	animals		104340*
eggplant	32807	94353	populations	14178	53213	plants	602	633
73187*		42599*	52959*		63851	785	9429	9478
eggs		94690*	Populus		73331*	18515	27482a	27510a
Europe		14424	poultry	14026	23138	27601a	27624a	27642a
field crops	52755	63441	32701	33061	52783	27766	37643	37644
Florida		83798	73153	94103	4686*	37802	58293	58441
flour		23359	52794*	94180*	105121*	68510	68522	68679
food and host plants		33034	105132*		105125*	78153	78222	78934
32872*	73055*	94417*	powdered milk		5088*	89114	89155	99822
forage plants		105191	predators	73529	94687	99872	99896	99954
fruit	4835	14455	Protea		94772	9394*	10189*	18522*
32838	42653	52755	prunes		63678*	27515*	37752*	58305*
63441	63851	73259	Prunus	63660	83466	78166*	78219*	78220*
105288	4869*	23333*	Quercus rubra		63720	99901*	99940*	100721*
83405*	83426*	105295*	rabbits		105086	Mitotagenia		5163*
fungi		52698	rats	42494	53186	Mitoura hesseli		23891
geese		83761*	94686	32703*	105136*	Mitragyna rotundifolia		69306
genetics		63886	rearing and breeding	5072	33053	Mitrasacme alsinoides		68605
geographic distribution		32868	42946	53207	83810*	Mitricephala		95572
83760			reproduction	14446	14468	Mitricephaloides n g		95572
grain products		23355	5088*			Mitscherlich law	40053*	40060*
grapes	63658	83185	reptiles	83753	94066	80267*		
32845*	32850*	32871*	Republic of South Africa		94772	Mixaderus		23581*
88815*	94396*	83408*	respiration		5064*	Mixandra		46816*
grasses		14423	rodents	14021	14424	Mixolit		30697*
grasshoppers and locusts		23548	53203*	63881*	73538*	Miyagawanella bovis		51838*
greenhouse culture	42722	83495	Rosa		63374	Mlanjella		14769*
32607*	32871*		Sarracenia		94732	Mnesipatris filicivora		43305
guinea pigs		105136*	sealions		32665*	Mniothripa		105962
habits and behavior	4834	53213	seals		42947	Mnium affine		68541*
Hemiptera		73522	sheep	14046	52800	Mnium undulatum		100021
Hibiscus syriacus		63885	shrubs		73280	Mochlosoma		95072
horses	63444	63848	speciation		42913*	Modicogryllus		23919*
host animal relations	4759	53213	spiders		5104	Moehringia lateriflora		68587
94698			squirrels	53191	83763	Moehringia pentandra		18551*
host plant resistance		94407*	stored products	53007	105556	Mohair	6619	32307
hosts	5099*	33054*	94440*			34561	44511	65246
India		94768	strawberries	14206	32834	54907*		107183
insecticide resistance		42428	52948*	94395*	105307*	Mohria		58291
52719	83163	93956	sterilization			Moir reaction		34241*
104978*	104979*	42397*	reviews			Moisture SEE Humidity; and UNDER		
reviews		52715	surveys		83734*	specific subjects		
insects		94773*	swine		73130	Moisture meters	16166	105073
Israel		94697	taxonomy	14428*	14429*	107502		
larvae		83776*	tea	14161---	14163	Mojonnier test		34336*
leeks		63570*	53209*			Molasses		
lemurs		63857	tomatoes	32807	94353	acids		86460*
life history	5072	23561	trees		266	analysis and composition		7452
105565*		63888	Trinidad and Tobago		42494	7456	16407	16408
lima beans		73247	USSR	14437*	53203*	45311	55834	75837
livestock	63507	32664*	vegetables	42586	94419	109012	7497*	16431*
lizards		63887	wasps		42905	35366*	45340*	66232*
llamas		73547*	water relations	14451	33058	75860*	75873*	86460*
longevity		33061	53230					

\*Text of this reference is not in English.

Item				Item				Item			
Molasses--Cont				Molybdenum--Cont				Monosteira			
chemistry	26249	107943	55958*	in plant nutrition	47967	58767*		Monosteira unicastata	42715*	42756*	
55964*	86487*	86488*	97449*	69001*	100342*			Monostroma		46957*	
color		7497*	7500*	in plants	11292*	78595*		Monostroma fuscum	18887	37791	
culture medium		107979	7498*	in rice		60186		Monoterpenes		66029	
16418*	75842*	97455*		in ruminant nutrition		21799		Monotropa		36821	
defects			75860*	in soils	9874	39728	60186	Monotropa hypopitys		100199*	
feed				11292*				Monotropaceae		88372	
21778	22042	31234	41485	Bulgaria		101765*		Monotropeoside		38608*	
41520	42150	51396	51722	Germany		11247*		Monoxylcopa SEE Xylcopa (Monoxyl-			
62084	72010	82109	103528	East Germany		60179*		Monoxylcopa			
3480*	4433*	4434*	12490*	Hungary		39724*		Monsonia senegalensis		18600	
22729*	42240*	51696*	51704*	Israel		11283		Monstera deliciosa		59698*	
51705*	54741*	72932*	82071*	Japan	60187	60225	39810*	Montereca n g		73525	
92340*	103533*	103534*		New Zealand		50140		Monterey pine SEE Pinus radiata			
fermentation		26320	35351	Poland		49703*		Monterey-pine cone beetle SEE Conoph-			
55886	75831	97472	66208*	Spain		78595*		thorus radiatae			
75842*	97452*			USSR	39756*	101702*	101712*	Montia fontana		126	
grading and standardization		16410		in swine physiology		32468*		Montiaphthona		94954*	
66193				in trees		50762*		Montmorillonite	2145	11182	
in silage		41256*	91841*	synergism		37953*					
losses			16476*	toxicity		82165		11191	11259	20395	20410
processing	15778	26244	55847	Momordica charantia	68619	27560a*		39714	70417	80003	101714
55852	55905	55916	55943	Mompha nodicolella		5541*		12649*	70245*		
86445	16127*	16475*	26251*	Mompha propinquella		5541*		Montrel SEE Dowco 132			
35359*	45350*			Momphidae	5541*	95429*		Monunguis		14490	
products	45343*	61635*	66217*	Monacrosporium		57744		Monuron	11009	11014	20290
properties	66255*	86481*	86501*	Monaeses		42951		34695	48454	101584	90706*
statistics			66251	Monanthochloe littoralis		17766		Moonlight			
tests		7516*	7517*	Monarch butterfly SEE Danaus plexippus		4867*		effects on Lethocerus niloticus		95165	
vitamins			87803*	Monellia costalis		33442*		effects on mosquitoes	95121	95125	53370
SEE ALSO Wood molasses				Monema flavescens		26893a		effects on plants		58913*	
Molassesgrass SEE Melinis minutiflora				Monerma		82*		effects on Platypus sulcatus		42786*	
Molds	38076	67687	67947	Moneses uniflora		16557		effects on Sphaerodema severinii		95165	
16247*				Money and currency	56057	57012	86607	effects on Tabanidae		95125	
SEE ALSO Fungi; Mildew; kinds of				108064*				Moore and Stein method		6568*	
molds; and UNDER specific subjects				Brazil		96255*		Moore test		31391*	
Moldy corn poisoning			83076	developing areas		108827		Moorella n g		67976	
Mole drains	11702	2506*	40322*	France		56067*		Moors		529	
70761*	91235*	91301*	102225*	Germany	55120*	108059*		Australia		584	
102253*				India		7642		Estonia		90997*	
Molecular biology SEE UNDER Biology				Moniaecera asperata	84078	95294		Finland		47651*	
Moles	288	8927	57834*	Moniezia		22830		Germany	2822*	20381*	39953*
77609*	99202*		71309*	Moniezia banadeni		63136*		57468*	58843*	60276*	60293*
Molinia	9324	99734*		Moniezia expansa	32653	63136*		60603*	67726*	77188*	88989*
Molinia caerulea	9969	37564		Monieziasis SEE Tapeworms				89016*	90825*		
Molluginaceae		18647		Monilaria globosa		39149*		East Germany		91086*	
Mollusca	12743*	92075*		Monilia	17883	99105		Great Britain	50238	83799	100112
Molluscicides	20316	67473		47236*	88753*	88793*		50830*			
Molopa planalis SEE Anomis planalis				Monilia laxa SEE Monilinia laxa				Japan		580	593
Moltkia callosa		49802		Monilia roreri		77675*		Latvia			81088*
Molucella laevis		1238		Monilia sitophila		12273*		Netherlands			60293*
Molybdates		25094		Monilliasis	4175	42015	104201*	Rumania			39770*
Molybdenum				104415*				Sweden	68360	39858*	47362*
determination		15751		Moniliformis		84201		94863*			
effects on alfalfa		47935*		Moniliformis dubius		5577		Switzerland			98825*
effects on bacteria		49793*		Monilinia fruticicola	9431	47261		USSR			47659*
effects on cattle		103847		99331	107385			Yugoslavia			9350*
effects on cauliflower		69158		Monilinia laxa	27160a	47261	27182a*	Moplene SEE Propene polymers			
1030*	48293*			47304*				Moraba scurra			
effects on citrus		68980		Monimia		9459		Moraceae	17725	27622a	46840
effects on field crops		27793*		Monitoriella n g		14804		98872	17723*		
effects on grasses		50140		Monnina		88300*		Moraines		21214*	60277*
effects on peas		68848*	68951*	Monnina xalapensis		89148		Moramanga n g			73733
68989*				Monobiantes n g		73525		Moranyl SEE Suramin sodium			
effects on plants		9874		Monocalcium phosphate		50035		Mordella			94856*
effects on Satsuma oranges		1127		Monoceronychus		83807		Mordellidae	14515*	83828*	94856*
effects on soybeans		68786		Monochlamydeae		83*		94944*			
fertilizers	2420	39908*	40366*	Monochloroacetic acid		67473		Mordellistena	14515*	94856*	
60405*				Monocillium humicola		99071		Mordellistena breddini		42972*	
alfalfa		2311		Monocotyledons	26881a	88367		Morea	51633*	51699*	51704*
broadbeans		70625*		99998	27498a*	38558*		Morestan SEE Bayer	36205		
cabbage		80264*		Monocrotaline		37627		Morina longifolia oil		66051	
cauliflower		29800		Monocytosis		13523*		Morinda citrifolia		48578	
clover	70616*	80443*		Monographis		73510*		Mormodes	36811	77313	
forage plants		101957		Monohela	73684	105706*		Mormoniella SEE Nasonia			
grasses		39909*		Monolepta	23621	94905*		Morning glory SEE Ipomoea			
legumes	2434*	50113*		Monolepta aguessi		5203		Morocide SEE Binapacryl			
soybeans	40086	70551		Monolepta australis		93995		Morolic acid SEE 3-beta-Hydroxy-olean-			
in alsike clover		18987		Monomorium pharaonis	94082*	95300*	104992*	19-en-28-oic acid			
in cattle nutrition		12863		Monomycin	12964*	83599*	104801*	Morphine	52815	100622	20621*
in cauliflower	37982	58523*		Monopis rusticella		95368		59074*	89678*		
in clover		78642*		Monopolies	44315	71368	27165*	Morpho portis		64187*	
in cotton		58877		Monosaccharides		16443*		Morphology SEE UNDER Plants and			
in forage plants		78712*		Monosomes SEE Chromosomes				names of plants; and SUBHEAD anatomy			
in milk		31504*						and physiology UNDER Insects and			
in peas		1162						names of insects; Livestock and names			
								of animals			

\*Text of this reference is not in English.



	Item		Item		Item		Item
Morphosphaera	94833*	Mosaic-- Cont		Mosquitoes-- Cont			
Morqueria n g	99059*	pumpkins	47529*	and disease-- cont			
Morsus ulmi	105402	raspberries	18287	Panama			
Mortgage insurance	97634	Saccharum spontaneum	47460	reviews		83244	
Mortgages SEE Credit, mortgage		squash	18337 27325a	Philippines		73126	
Mortierella	8855	sugar beets	4792 27275a*	reviews	52769 52770	63450	
Morus	46858	sugarcane	455 462 9199	94062 94220			
abnormalities	47780*	47491 47533 47549	52823	Southern Rhodesia		83261	
anatomy and physiology	850 9656	105164 105248		Tanganyika	73136	83270	
9810 58715 78679*	100381*	Sunn Crotalaria	9239 9249	Trinidad	32723	83208	
bacterial diseases	37397*	27334a 27338a	47490 47524	USSR	94111	4753*	
biochemistry	1278* 89877*	47526 47538		Yemen		94137*	
94606*		sweetpotatoes	4800	Argentina		64075*	
breeding	101595 9543*	tobacco	451 456 469	Australia	14703	42475	43141
101594*		470 476 477	776	94224			
culture	29400*	9218 9244	9245 9261	autogeny	5354	73694	43139*
cytology	18663*	9262 18277	18293 18295	Bellon Island		105801	
ecology	78069*	18296 18301	18305 18309	biliographies	4762	32722	63510
feed for silkworms	53103 53122*	18316 18321	18326 18327	biology	5361	94120	94253
94588* 94594* 94599*	94600*	18331 18333	18335 18338	95123 95148			
94606* 94608*	94621*	18346 18348	18349 18351	reviews		94220	
fertilizers	20648* 60484*	18353 18354	18359 18361	bites	33242 63506	83257	
fungus diseases	392* 18059*	18364 18366	18372 18376	84027 94234*			
53122* 77728*	88744* 88745*	18377 23228	23754 27276a	Brazil		23728*	43131*
genetics	9543* 78321*	27287a 27292a	27293a 27312a	breeding places		23735 73688	
germination	48458 78679*	27313a 27345a	27351a 37477	94061 94078	94109	95120	
hybrids	49574* 79916*	37909 47466	47467 47478	95139			
morphology	9496 27613a*	47498 47506	47508 47510	Argentina		64059*	
nematodes	47578*	47517 47548	47556 47562	Arkansas		73172	
nutritional deficiencies	20648*	47565 52879	58077 58089	California		94177	
pest control	52935* 63799*	58091 68255	68262 68263	Corsica		95143*	
pests	52918 52940*	68276 68289	68293 68302	New Jersey	94125	95127	
94374*		68303 69649	77882 77888	Portuguese Timor		4706*	
propagation	39594*	77931 77936	77940 95657	Texas		95142	
pruning		99578 99581	99596 99601	Utah	94041	94073	94170
seeds	9993 39594* 101617*	99607 99638	99640 99654	Washington		94173	
soils		99655 99662	99666 99667	California	23730	64063	95124
taxonomy		100698 473*	9202* 9222*	Canada		5342	32717
varieties	94599 94608	9227* 18270*	18319* 18352*	chemoreception			43134
101594*		18360* 18362*	27296a* 27297a*	China		95132*	105796*
virus diseases	52918 18357*	27298a* 27330a*	27339a* 47461*	collecting	23723 84024	94049	
18358* 47547*	99656*	47462* 47465*	47513* 47535*	95121 95125			
weed control		47551* 47559*	47563* 58085*	collecting equipment		5369 95126	
yields		58111* 59858*	68254* 77869*	105807			
Morus alba	29420 51251	77938* 99621*	99626*	color		95149	
100568		reviews	47463 47480	control	4761	42418 42492	
Morus nigra	28234 5017*	tomatoes	18278 58064	42511 42515	73154 73155		
Mosaic		Tulipa	18378 18380*	94149 94152	94165 94175		
abaca		turnips	18345 18382	94191 94192	32667*	32708*	
alfalfa	9234 18297 18335	watermelons	9260 58095	Argentina		73172	
77873 83343 99639		wheat	27344a 84044*	Arkansas		94065	
Amaryllis	9201 9223 47507	Mosaicism SEE SUBHEAD genetics		associations	94089 94142	94169 94241	
Arabis	18394 77889 77923	UNDER Insects and names of insects;		94249			
apples		Livestock and names of animals		biological	4719 4740	42518	
beans	27341a 37439 77930	Mosambi SEE Oranges		63381 94175	94182 94253		
99581 88877*	99626*	Mosquitoes	5363	California	94065 94177	94181	
blueberries	47521	Africa	33231	94182 94205			
Brassica juncea	14084	age	5343 73136	Canada		94059 94253	
Bromus	18276 18286 88894	Alaska	64078	chemical	4737 23149	32682	
99581 99650		anatomy and physiology	5368	42378 42472	52789 63490		
cabbage	9232 23259 83370	23721 33225	53368 84018	73144 93969	94009 94015		
cauliflower		14719*		94051 94086	94119 94149		
cassava		and disease	4691 4692 4696	94150 94154	94163 94201		
clover		4697 4717	4760 4766	94218 94223	94228 94255		
corn		4778 23124	23139 23145	105131 94117*			
cowpeas	18375 27321a 58104	42459 42515	42517 42543	Chincoteague Island		94237	
23202*		73154 73155	83231 83274	conferences and congresses		94065	
cucumbers	446 14122 18304	94074 94099	94146 4686*	Congo		4732	
18325 18330 18335		23168* 32667*		Florida	52821 63504	94089	
42607 47494 47507		Argentina	32655*	94141 94160	94164 94207		
58071 58095 58100		Brazil	4693	Germany			
99594 18317*	58097*	Cambodia	23134 73138	East Germany		13998*	
Cucurbitaceae		Canada	23169 94253	Hawaii		52803	
Cymbidium		conferences and congresses	42550	history	94143 94149	94191	
Dahlia	465 27336a	Congo	4732	Hungary		94234*	
Digitalis		Czechoslovakia	13988* 13994*	integrated	42503	42518	
figs		Florida	83227 83235	Jamaica		94197	
Hyoscyamus		India	32712 73159	Japan		4670	
lettuce	47550 68270 99645	Jamaica	83216	Kenya		14044	
37472* 57869*	77895*	Kenya	105129	legal aspects		94240	
lupine		Macao	4705*	natural		42548	
Maranta arundinacea		Malaysia	4779 83280	New Jersey	94120 94125		
Nicotiana glutinosa	58060 77938*	Mexico	94154 94261	94199 94204	94214		
oats	449 58107	New Guinea	83234	New York		94230	
papaya	9221 27307a	New Jersey	94075 94119	Nigeria	42486 42487	42540	
peaches		94134					
peas		New York	32734				
potatoes	27308a 9226*	New Zealand	4754				

\*Text of this reference is not in English.

	Item				Item				Item		
Mosquitoes-- Cont				Mosquitoes-- Cont				Moth beans			65233
control--cont				larvae--cont				Mothproofing SEE SUBHEAD insect-			
policies and programs				Ceylon			73697	proofing UNDER Containers; Textiles			
63511 94063 94079			94083	development	95147		95133*	Moths			
94084 94088 94121			94124	Florida			23723	anatomy and physiology	5538	73835	
94133 94159 94164			94171	New Jersey			95127	23901			
94179 94186 94191			94207	North America			64067	and disease			42496
94213 94225 94226			94229	Oklahoma			43136	as pests	14211	23311	42731
94233 94249				predators	5285		84021*	83396 105176	73313*	105236*	
public relations				Western States			95136	as pollinators			23860
94104 94122 94131			94178	life history			64061	Australia			43263
94233 94244 94256				Malaysia			4779	Belgium			105922*
Rocky Mountains			94110	Mexico			94154	biology	14859	14889	64176*
South America			83250*	microorganisms	33232		95154*	collecting	33424	43264	106038*
study and teaching	94056		94098	New Guinea	5358	14712	33234	color		5542	95461
94110 94190				53376				control	14290	83473*	105344*
tests				New Jersey			94023	biological	32910	52845	94308
13996 32682 42485			42537	New Zealand	14711		64072	23396*			
52789 73069 83230			94058	Niger			43133*	chemical		83403*	83609*
Tropics				Nigeria			53377	cultural			53045
Uganda			73166	North America			64067	natural	32910	42791	
USSR			94077	nutrition	23724	53371	64064	Crete			23895*
Upper Volta	4753*		52765*	43143* 105024*				Denmark		95452*	105984*
42530 94123 42477*			42510	overwintering			43140*	development	95503*	105986*	
Utah				oviposition	14702	33155	64065	diseases			23396*
94170 94196 94198			94108	Pakistan			14715	ecology	23888	84130	
94227 94241			94208	Papua and New Guinea			43141	eggs		84174	
Washington			94173	parasites	4692	4778	14033	flight		43292	
control equipment	63452		63460	23124 73697 83208			83235	food and host plants		73841*	
94039 94061 94128			94177	105790 105808		106082		Great Britain	5499	14861	23833
Corsica			53375*	reviews	73142		83244	33369 33370	33376	33382	
cytology			95122	Pennsylvania			5370	43296 53468	73799	73803	
reviews			64069	Philippines			14718	84155 95370			
Delaware			52772	Poland			95138*	habits and behavior	95502	106064*	
Denmark			95144	populations	5343	5346	5361	hybridization		42835*	
development	23722		33222	32659 52772 52821		95142	84024	illustrations	43296	105947	
diapause	43142*	105128*		94109 95123			95144	India		14891	
digestion			53371	43149* 95133*				insecticide resistance		52729	
diseases			105798	preservation			95140	life history	95433	95485	
dissemination			5348	Principe Island			5359*	migration		23863	
ecology	4713	14707	42503	pupae	53369 95138	5369	33227	mimicry		53466	
42511 94182				rearing and breeding	14714	64062		mortality		23411	
California			73692	64064 95130 105788				names		43296	
Nigeria			33237	rearing and breeding equipment	5362			Netherlands		95411*	
USSR			43140*	33230				North America		95414	
eggs	14713	33226	33239	Rennell Island		105801		outbreaks	83297*	95468*	
95129 95142 105804				reproduction		5346		overwintering		95536	
eradication			94221	Rocky Mountains		95145		oviposition	95398	95551*	
Far East			14698	Southeastern States		84026		Pennsylvania		95517	
feeding habits	73686		95146	sterilization	4704	63457	73123	populations		94477*	
fertility			5346	94175				rearing and breeding	14905	53467	
flight	53370		95125	stratification			94049	Rennell Islands		105962	
France			105805*	surveys		32659	94152	reproduction		42835*	
French Guiana			105792*	Canada			5353	sterilization		23306	
Gambia			73123	Congo			4732	tagging		53463	
genetics	5360	43132	95152	Fiji			53374	variation	5511	23868*	
reviews			64069	Michigan			94051	SEE ALSO Clothes moths			
geographic distribution			84022	Minnesota			33235	Motion pictures	9375* 54084*	55843*	
5358* 23728* 23734*				New York			94230	69137* 94991*			
Germany				Oklahoma			43136	SEE ALSO Films; Photography;			
East Germany			43144*	Southeastern States			95151	Visual aids			
habits and behavior	5347		14062	Utah			94208	Motion sickness		31554*	
14698 14715 23722			64066	tagging			14714	Motivation research		46128	
73690 73693 84027			95121	taste			95146	Motley dwarf			
95131 95137*				taxonomy	5361	14701	14703	carrots		52901	
Hawaii			4740	33227 33228 33238			84015	Motors	74156 106413	43865*	106384*
host animal relations	14062	105791*		84023 23720*		64068*	64074*	106416*			
hosts	5351	5365	14062	64076* 73695*				diesel	61305	74151	54053*
14705 14709 32717			33242	research methods				electric	5966	96074	15355*
83261 95150				statistical				SEE ALSO Engines			
identification	64063	73696	84017	reviews			14663	Mottle			
84026 95124				Texas			94220	beans		32791	
Illinois			33224	Thailand			94127	broadbeans		47511	
illustrations			94256	Uganda	5343	5351	5366	Dactylis glomerata		68294	
in philately			95135	33242 64065		64066	14702	Dianthus caryophyllus	9256	37442	
insecticide resistance	4670		13917	USSR			5364*	47503 68300			
32586 42378 42418			73069	United Arab Republic			14708*	potatoes		99662	
73166 93963 93969			94023	Upper Volta			73686	strawberries		9225	
94182 94253 104994			14025*	Utah	84022		43133*	Mouflon		51011*	
105024* 105083*				bibliographies			94109	Mougeotia	19141 26925a	48129	
Kenya	5351	84017	84027	variation		5354	43132	1006* 38120* 48085*		89435*	
larvae	4737	5356	23149	Venezuela		5344*	53378*	Mountain larch SEE Larix lyalli			
32682 94015 94023			94109	Virginia			42553	Mountain leafhopper SEE Colladonus			
94201 94145* 105024*				viruses	14000	23731	53374	montanus			
anatomy and physiology			5352	105128*				Moutain meadows		11709	
23722 33222 33236			104994	water relations			23727	Colorado		74070	
California			73696	Mosses SEE Musci				France		100961*	
								Italy		78015*	

\*Text of this reference is not in English.



Item			Item			Item		
Mountain meadows-- Cont			Muellerius capillaris	22808	13704*	Musca autumnalis-- Cont		
Norway	10455*		Muellerius infestation SEE Lungworms			control--cont		
Poland	101010*		Muhlenbergia schreberi	11012		chemical	42534	63518 73133
Sicily	78015*		Muirodelphax n g	64131*		94203		
Taiwan	68381*		Mulberry SEE Morus			dissemination		33152
USSR	58140	90112*	Mulberry heart disease SEE Microa-			parasites		42461
Western States		40103	angiopathy			Musca crassirostris		33153
Mountain pine beetle SEE Dendroctonus			Mulberry leaves		44414*	Musca domestica		73128
monticola			Mulching	934	20239	abnormalities		33194
Mountainash SEE Sorbus				29846	29856 48354 50188	age		64173
Mouse foxtail SEE Alopecurus myo-				50197	50213 59913 60544	anatomy and physiology	4655	23633
suroides				60565	70591 70663 70665	42447	52713	73146 95013
Mouth				70677	70681 80468 91191	105768	83251*	33255*
cats	52020	62522		102098	11655* 40135* 60599*	and disease		63489* 83264*
cattle				91206*		Australia		32604
dogs	52020	72384	Australia		80490	bacteria		95115*
reindeer			California		20806	biochemistry	5301	23085 23650
swine			Canada		70667	23714	33205	73636 73666
Mouth parts	5352	14416	Colombia		102099*	Brazil		23093*
105525			equipment	84454	84435 84584	control	4643	13962 13971
Apis mellifera		105462		95807	95808*	14225	23028	42394 42418
Argina cribaria		84183	France		39905*	42447	63467	63486 4741*
arthropods		105525	Great Britain		91197*	23080*	42513*	105103*
Belostomatidae		33274	Hawaii		39129	biological	14006	105090 13975*
Bombyx mori		23487	Hungary		11674*	52819*		
Calliphora		43114*	India		20787 70763	California		94183
Caryedon gonagra		33106	Italy		20789*	chemical	23148	42500 52736
Collembola	106155	64294*	Japan		29848*	63464	73071	73092 73097
Disteniinae		43036*	Ohio		40122 80538	83228	83240	83507 83520
Diptera		83948	Southeastern States		60555	94130	94215	83251* 83255*
Dysdercus cingulatus		5420	Tanganyika		50212	105063*		
Eylais		63904*	Texas		70662	Denmark		4652
Hylotropes bajulus		42787*	Tropics		70250*	Hungary		32691*
Odonata		43356	USSR		80477*	tests	13933	14031 23083
Ornithodorostalaje		105097*	SEE ALSO Tillage, stubble-mulch;			23137	23162	32573 32673
Phormia		43114*	and SUBHEADS culture; mulch UN-			42463	42481	42520 63484
Syrphidae		83948	DER specific subjects			105077	73296*	
Thysanoptera		64280*	Mules	41821* 41858*	62590* 92931*	development		5303*
Mowing			care		3998	digestion		73685 105786*
equipment	95842	5779*	fertility		72463	ecology		53339
construction		84476*	genetics		41824	eggs		105699*
Germany		5769*	pests		94102*	enzymes	5301	13954 52723
Great Britain		53746	war use		92935	73629	73655	83953 43106*
Italy		64325*	SEE ALSO names of anatomical parts,			Ethiopian Region		14658
maintenance and repair		53743	body fluids, diseases and other			fecundity		33175
84476*			pathological conditions, operations,			genetics	5301	32604 42394
operation	53707*	53755*	parasites, and pests			42395	83916	
parts	53739	95888	Mule's ear			habits and behavior		73666 94019
84498*	84501*		peaches		99636	insecticide resistance	4643	4652
tests		5743*	Mules' operation	32679	52426	4655	13933	13954 13958
types		74102	104648	104660		13961	13962	13971 23085
USSR		106271*	Multiceps skrjabini		3792*	32573	32604	42394 42395
Mrozewski's method		85724*	Multiplier disease			42418	42447	42500 52700
Mucilage		55648*	strawberries		99647	52723	73071	73092 73097
Mucoids	45252	103770	Mung beans			83140	93998	94019 23080*
55714*			anatomy and physiology	958*	89455*	23093*	42429*	105072*
Mucopolysaccharides SEE Polysac-			biochemistry	1280	1289	23714	32673	33194
charides			1419	19307	28297	43106*		
Mucoproteins SEE Mucoids			69207	1320*	19316*	longevity		42447 42520
Mucor		99825	enzymes		48542	metabolism	23646	83228 83936
Mucor racemosus		88539*	genetics	18725	27761	105763		
Mucor spinosus		38160*	germination	958*	27880*	metamorphosis		64024 43106*
Mucorales	10025	38380	morphology		89186*	95115*		
Mucormycosis		93544*	proteins		27880*	migration		73128
Mucosal disease	3522	22267	seeds		958*	mortality		53304
72134	82193	82240	storage		83513	New Jersey		14016
92564	92575	12974*	virus diseases		18363	nutrition	23648	23664 33175
31272*	62396*	72163*	Mungo beans	27871	47542	43093	105763	
buffaloes		92510	49357		48904	parasites	53339	64173 105888
diagnosis	82261*	82268*	Muons SEE mu-Mesons			populations	23142	83916 95051*
reviews		13132	Murcotts		97523	predators	53167	53227 13975*
virus	3259	3552	Murgantia histrionica		5426	pupae	23714	53304 63464
SEE ALSO Rhinotracheitis; Virus			Muriate of potash SEE Potassium chlo-			rearing and breeding	14651	23648
diarrhea			ride			33205		
Mucous membranes			Muriatic acid SEE Hydrochloric acid			rearing and breeding equipment		43056
buffaloes		82262	Muromzev's method		91981*	respiration		13951*
cattle	13027	41589	Murraya koenigii		23841	sterilization	23035	42472 42520
72310	103819	31438*	Murrayella SEE Isodontia (Murrayella)			42522	63464	
72181*	72244*	82166*	Mursze		47756*	test insect	54511*	65097* 83275*
dogs			Musa	88390	88538	USSR		52700 95051*
swine		72974*	Musa paradisiaca SEE Plantains			vision		53582*
Mucuna pruriens SEE Stizolobium			Musa textilis SEE Abaca			Musca domestica nebulo		13996
pruritum			Musca	14669	83267	Musca domestica vicina	23027	94071*
Mucus		73870	reviews		42536	95038*	95048*	105726*
Mud	31947*	61883*	Musca autumnalis			Musca nebulo SEE Musca domestica ne-		
Mud wilt			control	23141	32676 32677	bulo		
tomatoes		319	42493	63449		Musca sorbens		42554*
Muellerianella n g		64131*	biological		42461	Musca vicina SEE Musca domestica		

\*Text of this reference is not in English.

			Item				Item				Item
Musci	26918a	88451		Muscles-- Cont		63973		Mushrooms-- Cont			58394*
Afghanistan		77437*		Coleoptera		14943*		breeding			64653
Alabama		26920a		Collembola		95447*		buildings	64644	64652	64661*
Albania		8792*		Dendrolimus pini		23715*		Canada			75164
anatomy and physiology		906		Diptera		52011		canned	75309	34700*	65375*
923	1243	37719		dogs		13306*		conferences and congresses	69976		10967
Asia		67906		103996	13246	31701*		costs and returns		59795	66941
biochemistry	48564*	69331*		diseases	3841	3855		culture	1966	18898	57451
Borneo		77439*		13307*	31552*	31605*		58119	59792	59853	66941
Bulgaria	8790*	8791*	88446*	Drosophila melanogaster		43045		89427	59897*	91121*	
Cambodia		17840*		43046	105767			Bulgaria			49362*
collections		99116*		ducks		13550	42040	Burma			29071*
cytology		58234		Dysdercus koenigii		33263	105833	Denmark	39403	1980*	1981*
ecology	37610*	68400*	88970*	Ephemeroptera			95627*	49371*			
89042*	99016*	99780*		Eyprepocnemis plorans			5564*	Germany		49333	101408*
Fiji		99013*		geese			52242*	East Germany			49332*
Finland		47651*		goats			51597	Great Britain		10970	39404
Florida		8780		guinea pigs			104178	49398			
France	77447*	99003*		Heliocopriss bucephalus			83834	Hungary			90568*
Greece		99009*		horses	22442	31701*	52110*	Ireland			10929
Hawaii		88443		92901*				Italy			10903*
Iceland		26917a*		Hyalophora cecropia			23906	Japan	20138*	20208*	79696*
India		88440		insects	14365	23516	83726	Malaysia			59839
Iowa		99022		94524	105513	105542	94652*	Netherlands		1938*	29049*
Laos		17840*		Isoperla grammatica			14954	90512*			
Louisiana		88449		Leptinotarsa decemlineata			43031	New York			1922*
Michigan	168	36945	46943	Limnephilus		33514	33515	Pennsylvania			1922*
Mississippi		26920a	923	livestock	12612	25839	25851	Poland			69952
morphology	599	906	923	25854	25863	25881	25886	Rumania	1984*		10946*
47733	99817			30850	31028	35001	72983	Switzerland			69967*
Netherlands	57684*	57686*	88455*	7128*	41305*			USSR			29127*
New Guinea		77446*		reviews			21860	diseases		8936	57801
New York		99020		Locusta migratoria	23917		5566*	dried			6889
New Zealand		67897		Machilidae			14941*	equipment			64652
nomenclature	88191	88436		mice	82482	104213	104214	fertilizers	60506*	80398*	91121*
North America		88436		mites			43045	freeze-drying			44793*
Oregon		11064		Papilio demoleus			5549	fungus diseases		18108	37205
Panama		173		Periplaneta americana			23921	58026*	99459*		
Philippines		67905		33487	53522	53540		genetics			58394*
Poland	8785*	36952*	99015*	Phaenicia cuprina			105716	Germany			
99016*				pigeons		82591	82609	East Germany			44535
Scandinavia		162		Pneumora inanis			95567	Great Britain		15908	15909
Schiermonnikoog		67914*		poultry	7364	45223	51597	65389	65428		
Sumatra		77439*		72646	97332	107821	4203*	harvesting		59795	59827
Tahiti		99013*		31910*	72611*	72617*	93217*	Hungary			88530*
Taiwan	46949	67913		Pseudaleitia separata			106008*	irrigation		58606	64653
Tatra Mountains	36946*	67908*		rabbits	7218	14306	51597	marketing			75232
taxonomy	8778	99817	88452*	4293*	62995*			morphology		58302	58325
Tonga		99013*		Romalea microptera			43331	58243*			
USSR	46947*	57678*		Samia cynthia			23906	nematodes		58116	58119
Vietnam		17840*		Schistocerca gregaria			33486	486*	47570*		
Yugoslavia		77440*		33487	106079			nutritive value			27347
Muscidae				sheep		63115	82862	packing		16000	65563*
Ethiopian Region		14658		swine	4593	12936	13808	Pennsylvania			65397
Great Britain		73673		13815	13862	22967	25843	pest control		42631	73233
insecticide resistance		14111		25844	25864	25865	25866	pests	63874	73196	63683*
larvae		33192*		25880	32533	45015	52618	Germany			
overwintering		33153		52665	55440	55448	55522	East Germany			73219*
Nearctic Region		73628		65829	72905	72983	75544	Great Britain		73248	73639
Palaearctic Region		43085*		75558	86129	86169	86176	Rumania			486*
taxonomy	14665	53316		87811	93855	4565*	4574*	USSR			4799*
USSR		53328*		22935*	32416*	52607*	52636*	processing			75323
Muscina stabulans		105772		75593*	83110*	93890*	107602*	proteins		27347	38623*
Muscinae		33192*		turkeys			75786	quality			29049*
Muscles	3149	86148*		Muscular dystrophy SEE White muscle				refrigeration			65583
Acheta domestica		73879*		disease				regulation and inspection			25432*
Apis mellifera	23438	53078		Muscular hypertrophy	41627	41617*	41617*	44681*			
63783*				reviews		31355*	57427*	soiless culture			101375*
Argina cribaria		84183		Museums	94021	23065*		soils	58325	60332	60490
arthropods				87437*	105708*			73230	60360*	60361*	60479*
reviews		83731		Argentina			56865*	60738*	60807*	60817*	80398*
Blaberus giganteus		33487		Australia			87444	spawn		58781	59887
Bullacris longicornis		95567		Czechoslovakia	76647*		97051*	statistics		6943*	55216*
butterflies		5509		98165*	98179*			Taiwan			65375*
Calliphora vicina	43113	43047*		Italy			106785*	taxation			86693*
Carabidae		83900*		Japan			87436*	toxicity		75272*	89873*
cats		62511*		Scotland			17449	trade			
cattle	7130	7218		Switzerland			98154*	Germany		8246*	46428*
13210	16208	22178		Musgraveia sulciventris			83423	Taiwan			46428*
25856--25858		25867		Mushroom mite SEE Tyrophagus				varieties			59779
41627	45021	45078		putrescentiae				virus diseases		18311	58068
72314	75543	82232		Mushrooms				99599			
86125	86131	86172		abnormalities			58243*	yields	58621	59794	59795
3677*	31256*	45056*		anatomy and physiology			18898	59827	66941	60360*	79669*
92501*				58484	58526	58598	58606	80398*			
diseases	22142*	82190*		58723	58777	58845	58864				
Chilopoda		42920*		58865	58591*	100092*					
chinchillas		62572*		biochemistry			89873*				

\*Text of this reference is not in English.



Item			Item			Item		
Musical instruments	61526	21666*	Mutation-- Cont			Mutillidae		
41095*			Drosophila melanogaster	5217		Africa	33317*	95319*
Muskeg		99804	5269 5275 5319	5333		Albania		84096*
Muskmelons			14684 23644 23645	23694		Brazil		64138*
anatomy and physiology		623	23699 43125 53306	53319		California		95336
38033 69152*			53333 53336 53350	53360		Chad		5475*
breeding	29121*	101441*	63999 64043 73627	83921		Italy		94714*
culture	38033	101407	83922 83925 83973	83979		Lebanon		95320*
cytology		89179*	84001 95046 95052	105744		Neotropical Region	23780*	23781*
disease resistance	68617	18061*	105755 105756 5329*	5330*		64139* 64140* 64141*		
diseases	255	18337	33154* 64045* 105722*			Poland		105892*
47215 47416	99217*	37206	Drosophila pseudoobscura	5257		South America		53446
genetics		68617	Drosophila virilis	5256		Southwestern States		5462
hybrids		69947	einkorn	787 830		Spanish Sahara		95351*
morphology		58301	18710 18744 18743*			Syria		95320*
nutritive value		57140*	Erysimum cheiranthoides	9613*		taxonomy	5461	95311*
pest control	255	23272	fruit	68649		Mutton		
propagation	39350	58301	fungi	9582*		analysis and composition		7115*
59835*			Gladiolus	9526		bacteria		22202*
quality	34757	107296	grain	9570		contamination		32251
seeds		78395*	grapes	9620*		fat		52398*
soils		39350	Hylemya antiqua	73617		flavor and odor		55503*
varieties	10915*	78395*	insects	775		Norway		86115*
yields	69947		Ipomoea	89320		processing	16244	72897
Muskrats		87863*	jute	89249		quality	82862	7157*
Mussaenda		36840	Latheticus oryzae	105677		trade		36250
Mustard		24673	Momordica charantia	68619		USSR		82743*
Mustard meal		82082*	mungo beans	18725		SEE ALSO Lamb meat		
Mustard oil	26034	55581	Musca domestica vicina	95048*		Mycelium radialis		2203
55632* 65983*	92337*	97225*	Nasonia vitripennis	14794		Mycena	46994*	46995*
SEE ALSO Isothiocyanates			Neurospora	833		Mycena citricolor SEE Omphalia		
Mustard (plant) SEE Brassica			Neurospora crassa	764		flavida		
Mustard seed	75709	97415*	855 1346	9622		Mycenastrum corium		36990
Musts SEE UNDER Beer; Wine; and			47908 58469 59080	68710		Mycerema n g		88502*
kinds of fruit juices			86809 68725 78288	78310		Mycetocytes		43179*
Mutation			89783 89801			Mycetomes		14536
Acacia decurrens mollis	100059		oats	9544 27745		Mycetophagidae		63922
Aedes aegypti	63412	95152	89317			Mycetophila		64017
Alternaria humicola		37887*	Oenothera	763*		Mycetophilidae	14603	64017
Anabaena		89309	onions				4799*	73651*
animals	3920	13405	ornamental plants	58377*		Mychothenus		14568
'	31751 62646	62649	peanuts	47849		Mycobacterium	41336	99091
82545 100760	104228	41888*	peas	27664 47737		22200*	41311*	49798*
62560* 62695*	92966*		89251* 89268*	89269*		71814*	83018*	91926*
Anopheles albimanus		5360	Pellicularia filamentosa	37885*		Mycobacterium avium	22187*	92607*
Anthonomus grandis		53234	Pinus	81120*		93396* 104374*	104408*	
apples	19821	37901*	plants	18757		Mycobacterium bovis	3593	41662
Arabidopsis thaliana		827	23635 23636 27668	78279		15653* 22187*	51942*	63007*
Aspergillus	89311	869*	78333 100760	2824*		103711*		
bacteria		824	19297* 27747*	47858*		Mycobacterium lepraemurium	72401	
barley	786	9603	58396* 78272*	78309*		Mycobacterium microti	62235*	63007*
48548 78280	78281	78332	reviews	78336		Mycobacterium paratuberculosis	103290	
89265 89446	100063	27746*	Poa pratensis			Mycobacterium tuberculosis	3129*	
37897* 37915*	37917*	58447*	potatoes	799		34597* 51942*	54527*	62225*
89273*			poultry			65087* 92012*	92046*	103152*
beans		100065	Pseudeucoila bochei	84106*		103778*		
birdrape		100024	rice	58467 27711*		Mycobacterium tuberculosis avium SEE		
blueberries		27690	47838* 47880*	58395*		Mycobacterium avium		
Bombyx mori		5024*	Saintpaulia	78260		Mycobacterium tuberculosis bovis SEE		
Bracon		5486	Schizophyllum commune	78188		Mycobacterium bovis		
Brassica juncea	100024		Schizosaccharomyces pombe	89288		Mycodiplosis	89368*	
broadbeans	100045	9611*	9567* 89297*			Mycology		
37725* 37824*			Scilla autumnalis	58208*		Artic Region	26970a	
Bromus inermis		89267	Setaria italica	18630		Brazil	8435*	
butterflies		64219*	sorghum	9618 18526		Canada	26970a	
cats		82357	47890 58386	68647		equipment	26784a*	
cherries		47875	soybeans	27739*		Estonia	26960a	
Chlorella	9586*	9635*	succulents	18282		Europe	8842*	
Chorthippus brunneus	100062		sunflowers	78295*		Georgia	57718	
Cochliomyia hominivorax		5284	tobacco	47888 100039		history	26977a*	
Coniferae	102692		tomatoes	47837 58468		Japan	202*	
corn	863 37851	47786	58470 100052	9577*		Latvia	26953a*	26977a*
47882 47906	69242	78263	47925*			nomenclature	26799a*	
89244 100030	100079	9625*	Tribolium	23611		periodicals	67954	
27469a*			Verbascum	94965		SEE ALSO Fungi		
Cosmos bipinnatus		58400	viruses	18349		Mycomedusiospora n g	36976	
cotton	812	9609	wheat	868 18744		Mycomicrothelia	99069	
100060			18753 18775	27552		Mycophila barnesi	73248	
Culex pipiens		33241	27662 37823	37872		Mycophila speyeri	73248	
Dactylis glomerata	825*		58370 58423	58461		Mycoplasma	21867 103196	30985*
Datura stramonium	79050*		38266* 47884*	58431*		cattle		22254
Dianthus caryophyllus	89289	100022*	Xanthisma texanum	58404		dogs		52032
Dictyostelium discoideum		9512	yeasts	824		ducks		62895
Digitalis lanata		68636*	18718 18735	18741		poultry	4179 13576	82612
Diptera	53320	95052	100033 100054	100086		93266 4169*	82603*	
Drosophila	5240	5300	38506* 48215*	58474*		swine		63249*
23635 23636	23660	23661	89530* 100050*			turkey		22635
33133 43111	64032	105736						
105780*								

\*Text of this reference is not in English.

	Item				Item				Item		
Mycoplasma gallisepticum			22600	Myiialgidae			14433*	Myrtilloctatus geometrizzans			90426*
41263 41987 42024			5256	Myianoetus			5099*	Myrtle whortleberry	81131*		88113*
52285 52286 52292			62790	Myiasis	83268		94135	Myrtus communis			26756a*
62830 62873 72624			82639	amphibians			14587	Mystacides			106130
104337 31953* 82645*				cattle	94172		94187*	Mythicomyia			14683
Mycoplasma laidlawii			92078	dogs			63522	Mythimna			33356*
Mycoplasma mycoides		3258	3592	man	23164		73163	Mythimna anthracoscelis			23825*
3645 12601 41263		51914		minks			4784	Mythimna brandti			95380*
31411* 92502*				rabbits	4784		93554	Myxomatosis	22739	27374	82720
Mycoplasma pneumoniae			41326	Myiola caesio SEE Euleia caesio				13610*	22735*	82386*	104530*
Mycoplasmosis				Mylabris	5189*	63929*	105602*	105128*			
poultry		62868	93291	Myleran SEE Busulfan				Myxomycetes			99948
62809* 62885* 62903*		62913*		Myllenxys n g			53424	anatomy and physiology			38367
62921* 82645*		93290*		Mymaridae			53447*	58599	9769*		
control		104390*	104391*	Myobiidae	83771	94742	94708*	India	8834	8877	17906
diagnosis		4234*	31974*	Myocardial degeneration SEE White				37012	47015	99131	
treatment		13538	104350*	muscle disease				Michigan			26932a
swine			83082	Myocardium	31726*	31970*	103718*	morphology	606	58212	68493
turkeys	62868	72624	62809*	103807* 104806*				78092			
93335*				Myodermides n g			94951*	Netherlands		67964	99109
Mycothiza		9377	9787	Myodochoa			5384	Nigeria			88521
19122 20475 20504		26971a		Myofer SEE Iron-dextran compounds				taxonomy		67965	88521
28058 29582 36988		38312		Myoglobin	34996	45027	55456	Trinidad			8826
39790 39793 39804		47759		82591				Myxomycidium			99095*
49791 49809 60210		68785		Myoglobinuria SEE Azoturia				Myxophyceae SEE Cyanophyceae			
70340 70360 70377		78528		Myoinositol SEE Inositol				Myxotrichum	220		99112
78540 80104 81113		88145		Myoporum platycarpum			88287	Myxoviruses	13024		52232
88146 100005 101830		11339*		Myopsocidae			14989	Myzaphis			23766
12026* 20480* 20490*		29543*		Myosins	3149	22178	89896*	Myzodes SEE Myzus			
29556* 39777* 48099*		48371*		Myosotis			67863*	Myzomorphus			5216*
49797* 49801* 50830*		70355*		Myotrombicula	63902*		94791*	Myzus ascalonicus			53404*
80097* 80098* 80111*		80130*		Myrciaria paraensis			27339	Myzus malisuctus			105830
89581* 90901* 90911*				Myrcina			14562*	Myzus persicae			
reviews			38115*	Myremeleontidae			4977*	anatomy and physiology			64095
Mycosis		3283	3284	Myrethecium			34831	and plant disease			4792
103176 103358 30842*		71811*		Myrianthus			1403*	14084	14089	14097	14112
92061* 92062*		103170*		Myriapoda				14122	23187	23222	23228
cats		22343	3846*	anatomy and physiology			33069	23259	32741	32776	32784
cattle		82147	13067*	Central America			42929*	32793	42564	42580	42621
31279* 31363*		62168*		development			105583*	42646	52904	52918	63580
62185* 62311*		82299*	92603*	Japan			14469*	73235	83299	83305	83343
103654*				94764* 94765* 105583*				83370	94276	105193	105203
conferences and congresses			71819	New Caledonia			94701*	52864*	52942*	83378*	94263*
dogs	41750	3846*	62547*	outbreaks			83223*	breeding places			
goats		4410		parasites			83783*	control		14136	63580
guinea pigs			72528	study and teaching			94738*	California			73205
horses	22414	22432	92893	Myrica			39296	chemical	32794	63597	83307
52105*				Myrica cerifera			39808	83491	94270	73234*	94272*
poultry		13071	103358	Myrica gale			325	105152*			
sheep		4410	32275	Myrioblepharis			67953	Germany		52896*	52942*
swine		83077	104864	Myriogramme			57706*	India			4875
turkeys			52275*	Myrionema			46960*	Republic of South Africa			14097
Mycosphaerella	36993	88547	99052	Myriophyllum			29197	tests		13935	63423
99069 57728* 77466*		88700*		Myriophyllum heterophyllum			68452	development			33271
Mycosphaerella bacillifera			99106*	Myriophyllum spicatum	79781		90711	ecology			5049
Mycosphaerella citrullina	18187*		88797*	Myristica fragrans			2071	feeding habits			23259
Mycosphaerella fragariae			88719*	Myristica macrothyrsa			38483*	food and host plants	14098		14122
Mycosphaerella linorum			9130	Myristicin			49557	habits and behavior	64120		52942*
Mycosphaerella musicola SEE				Myrmaridae			64162*	Hawaii			64128
Cercospora musae				Myrmecophilous insects			5417	insecticide resistance			13935
Mycosphaerella personata SEE				5201* 5214*				life history			64128
Cercospora viticola				Myrmecophilus			23919*	molting			95192
Mycosphaerella pinodes		27103a		Myrmeleon circumcinctus			14996	nutrition	33269	33270	33271
Mycosphaerella rabiei		58036*		Myrmeleon formicarius	95604*	95605*	95605*	33284			
Mycosphaerella ribis		27095a*		95636* 106157*				overwintering			63580
Mycosphaerella rosigena		88685*		Myrmeleonidae SEE Myrmeleontidae				parasites		5049	5472
Mycostatin SEE Nystatin				Myrmeleontidae			14990	rearing and breeding			14752*
Mycotic dermatitis		72860	92425	95604* 95605*		95645*	14996	viruses		23754	64116*
103224 22833* 52462*				Myrmica			23793*	Myzus solani SEE Acyrthosiphon solani			
Mycotoxicosis	12978	21839	107524	Myrmica lobicornis			73750				
62403*				Myrmica rubra			33299				
Mycotypha			17905	Myrmica rugulosoides			84099*				
Mycowood			91752*	Myrmicinae			43215*				
Mydaea			73673	Myrmicocheylea n g			53225*				
Mydaidae			53305*	Myrmonyssus clarus			14448				
Mydontidae			43384	Myrmonyssus phalaenodectes			53222				
Myelobia			5493	Myrmonyssus spinosus			14448				
Myeloblastosis		52255	82661	Myrmosidae SEE Tiphidae							
Myeloid ceratoniae			52947*	Myrmosinae			84096*	N-Serve SEE Dowco 163			
Myeloid neophanes SEE Apomyeloid				Myrobalan plums			19816*	NAA SEE Naphthaleneacetic acid			
bistriatella neophanes				Myrocarpus fastigiatus			3007	Nabam SEE Ethylenebisdithiocarbamic acid			
Myelophilus minor			14531*	Myrothecium			225	Nabidae	95205*	95206*	95236*
Myelophilus piniperda	23402*		53040*	Myrothecium roridum			57968*	105825*	105826*	105838*	
73309* 73332* 73325*				Myrothecium striatisporum			29531	Nabis	95205*	95236*	105825*
Myelosarcoma			103992	Myrothecium verrucaria			6671	Nabis myrmecoides			105838*
Mygaleicus			14510*	96735				Nacaduba			95542
Myialges			42912*	Myrsinaceae			88343	Nacobbys batatiformis			37524
Myialgesidae SEE Myialgidae				Myrtaceae	18580	99895	18637*				

\*Text of this reference is not in English.



Item		Item		Item	
Nacoleia octasema	23652	Narcissus-- Cont		Natural resources-- Cont	
NAD SEE Nicotinamide-adenine dinucleotide		breeding	39135	conservation-- cont	
NAD-kinase SEE Kinases		costs and returns	56597	Italy	17282*
NADH SEE Naphthaleneacetic acid dehydrogenase		culture	39274	legislation	67031
Naematoloma fasciculare	78028*	dwarf	39236	Missouri	57190
Naganin SEE Suramin sodium		fertilizers	40100	New Hampshire	50539
Naganol SEE Suramin sodium		forcing	10785*	Norway	48452*
Nagusta	73732*	genetics	37825	Ohio	57192
Nagusta praecatoria	23741*	hybrids	36909*	study and teaching	17027
Naiadaceae	26881a	judging	39238	Sudan	57201
Naias graminea	11126*	marketing	45390	Switzerland	36679*
Naias tenuissima	77304*	morphology	37751	USSR	57452*
Nails (building construction)	15279	nematodes	58133	Lake States	
Nails (woodworking)	102884	propagation	68335	surveys	
Najadaceae SEE Naiadaceae		soils	20099*	USSR	10292*
Najas SEE Naias		statistics	40100	26666*	17244*
Naled		storage	86536*	27361*	76926*
citrus pest control	63652*	varieties	86524	Naturalists	
cockroach control	83198	weed control	39175	Naucoridae	98453*
dog parasite control	72400	yields	39321	Naucoris	64083*
effects on Bombyx mori	63799*	Narcissus carringtonii	38460	Nauphoeta cinerea	33250
effects on cattle	42457	Narcissus exertus ornatus	86536*	Nautosphaeria	33457*
formulations	83516	Narcissus jonquilla	36909*	Nautosphaeria cristaminuta	88524
fruit pest control	23318	Narcissus poeticus ornatus SEE	38539*	Naval stores	
human pest control	4769	Narcissus exertus ornatus	38538*	cooperatives	71528
Morus pest control	63799*	Narcissus pseudonarcissus	19410*	extraction	61521
mushroom pest control	73233	Narcissus serotinus	39194	industry	12410
storage pest control	83516	Narcissus tazetta	39201	marketing	51291
toxicity	63799*	Narcosin	32438*	policies and programs	2996
vegetable pest control	83373*	Narcotics	95576	21656	21662
Nananthidium	95335	Nardus stricta	10431*	61522	61522
Nankor SEE Ronnel		101574*	37551*	research programs	51293
Nannarini	94728	Naringenin	19278*	situation and outlook	12409
Nannorhops ritchiana seed oil	26050	Naringinase	46609*	51294	51295
Nanobrym gladiolum	99005*	Nasal catarrh of rabbits SEE Snuffles	46610*	SEE ALSO kinds of naval stores	
Nanomitrium tenerum	67902	Nasal sinuses	31580*	Naval orangeworm SEE Paramyeloides	
Nanorchestes	23575	Nasonia	14828	transitella	
Nanoxylocopa SEE Xylocopa (Nanoxylocopa)		Nasonia vitripennis	105875	Navia	88345
Nantucket pine tip moth SEE Rhyacionia		as parasites	64173	Navicula	17850
frustrana		host animal relations	105888	36956*	67927
Napaea dioica	99908	longevity	53339	57689*	57698*
Napaia	33461	nutrition	43210	Navicular disease	3964
Napeanthus	67846	stings	43210	92878*	92886
Naphthalene	23633	Nasonovia trisnigri	83452	Neanura muscorum	14943*
Naphthalene compounds	77847	Nassella trichotoma	28695	Nearchus n g	95072
Naphthaleneacetic acid		28695	53809	Nearctopsylla beklemischevi	106159*
effects on apples	58582	Nasutitermes exitiosus	73900	Neatelura n g	43363*
28857*	58731*	Nasutitermes graveolus	73900	Neblinanthera n g	88345
effects on Chlorella	100236	Nasutitermes walkeri	73900	Nebria brevicollis	73571
effects on corn	69295	Nasutitermitinae	95608	94899	83840
effects on cotton	100118	Nataloplonyx SEE Hoplonyx (Nataloplonyx)		Nebria livida	83846*
effects on Dysdercus koenigii	14121	Native elm bark beetle SEE Hylurgopinus rufipes		Neck	
effects on grapes	9654	Native holly leaf miner SEE Phytomyza		buffaloes	62337
effects on pineapples	100178	ilicicola	21118	dogs	13271*
effects on plants	69013	Natural areas	76953	13279*	22331*
effects on rooting	89401*	Natural history	26826a	Eyeprepocnemis plorans	5564*
in beans	79759	78731	46502	Papilio demoleus	5549
in olives	35216	78732	26722a*	swine	93829
in wheat	100628*	Natural resources	17262	Necrobacillosis	32255*
alpha-Naphthaleneacetic acid	9670	Africa	20558	63163*	93693*
38004	38462	Colorado	35999	93694*	104807*
55151		conferences and congresses	57191	Necrophiloides	94878*
Naphthaleneacetic acid dehydrogenase		Connecticut	36001	Necrophorus SEE Nicrophorus	
48521*		conservation	27427	Necrosis	
2,3-Naphthalenediol	69264	35998	36406	animals	62418
1-Naphthol	105768	46107	50380	corn	9163
Naphthol yellow S	33209	57211	67507	grapes	78747*
Naphthyl acetamide	69736	67514	76514	potatoes	18811
1-Naphthyl-N-methylcarbamate SEE		87896	98465	18363	18267
Sevin		57186*	67488*	47506	18268
N-1-Naphthyl-phthalamic acid	9882*	77201*	108991*	801	803
38282*	68945*	Africa	70520	wheat	78218
Naphthylacetic acid SEE Naphthaleneacetic acid		as an occupation	17250	Necrotic enteritis	13861*
2-Naphthylamine	92436*	76905	17286	Necrotic hepatitis SEE Black disease, sheep	
beta-Naphthylisothiocyanate	78166*	associations	17255	Necrotic rhinitis	82971
alpha-Naphthylthiourea	13230*	67685*	57199*	Necrotic ring spot	63334*
Napiergrass SEE Pennisetum purpureum		bibliographies	102397	cherries	450
Napomyza	14674	California	77240	fruit	47553
Napomyza lateralis SEE Phytomyza		Canada	20911	peaches	68285
lateralis	53453*	China	66642	Prunus	37416
Napomyza lonicerella	44780	conferences and congresses	67508	Necrotic rusty mottle	58059
Naranjilla	37522*	Connecticut	56137	cherries	68287
Narceus americanus	63855	directories	8396	Nectandra SEE Ocotea	
Narcissus		Estonia	88144*	Nectar	10240
anatomy and physiology	38224	Georgia	35983	42815	53073
69054*		Germany	56692*	38411*	58339*
		East Germany	102392*	78357*	78857*
		Iowa	98783	101610*	101611*
				105426*	105457*
				reviews	78774*
				Nectarines	
				fungus diseases	9026

\*Text of this reference is not in English.

	Item		Item		Item
Nectarines-- Cont		Nembutal SEE Pentobarbital		Neopol	100278*
losses	65589	Nemeritis canescens	14796	Neopoteria napina	36775*
packing	58810	33325* 43279* 105997*	73771	Neoprosplanura n g	15002
storage	65589	Nemesia radiata	23544*	Neopsylla	106135*
varieties	69766 101197	Nemestrinidae	5289*	Neopsylla stevensi group	106135*
Nectria	47379	Nemobius allardi	14931	Neopucroliella	63891*
Nectria galligena	9075	Nemobius sylvestris	64245*	Neoregalia	8748
58687*	77650 38162*	Nemopalpus flavus	23676	Neorickettsia	94105*
Nectria radiculicola	99488*	Nemapanthus mucronata	23829	Neorihelmsis kuwatai	53283
Needle blight		Nemophila insignis SEE Nemophila		Neosar	18405*
Juniperus virginiana	99285	menziesi	58834*	Neostigmene	22895* 42210* 82756*
Pinus	99523	Nemophila menziesi	58834*	Neotiphia	73736
Pinus sylvestris	68142*	Nemoplonyx SEE Hoplonyx (Nemoplonyx)		Neotiphia (Krombeinia) SEE Krombeinia	
Needle cast		Nemopoda pectinulata	73616	Neotrichedocla n g	73732*
Abies balsamea	333	Nemoraea pellucida	95059*	Neotrombicula zachvatkini	4759
Pinus ponderosa	99303	Nemorus	23692*	Neotrombidium	14491
Pinus sylvestris	63725	Nemotelus	23667* 83919*	Neotropiella vanderdrifti	95648*
Pseudotsuga menziesii	333	Nemoura arctica	95634*	Neottiglossa pusilla	73613
Neelinae	43383	Nemoura peristeri	23940*	Neovossia indica	18103
Neem SEE Melia azadirachta		Nemouridae	23941*	Neoxanthin	68874
Negasunt	13023*	Neocarsphenamine	52625*	Nepalomyia n g	105725
Negreia n g	94837*	Neocarscaris vitulorum	62382 103265	Nepaloptila n g	106131
Negri bodies SEE Inclusion bodies		104166* 104688*		Nepenthes	67889
Negroes		Neobaeorix n g	73525	Nepeta ciliaris oil	75736*
Alabama	8187	Neobala	14743	Nephantis serinopa	32821 33375
as a market	15663	Neobalinea	14743	95071	
education	36099	Neobiscirus n g	53187*	Nepheliphora n g	43277*
directories	17078	Neobisnius	94964*	Nephelium lappaceum SEE Rambutan	
farming	8028	Neoboydaia colymbiformis	63853	Nephelometry	19315
Neguvon SEE Trichlorfon		Neoboydaia philomachi	63853	Nephopterix semirubella	106051*
Neidium	88469	Neobradys n g	105636*	Nephottetix apicalis cincticeps	23182
Neighborhoods SEE Communities		Neocotolaccus mamezophagus	94923*	23197 32612* 105228*	
Neillia	17809*	Neochloris	46950	Nephottetix bipunctatus cincticeps SEE	
Neivamyrmex	95360	Neochrysocharis	53433	Nephottetix apicalis cincticeps	
Neivamyrmex nigrescens	33339	Neochrysocharis ruforum SEE		Nephottetix cincticeps SEE Nephottetix	
Nellite	74142	Achrysocharella ruforum		apicalis cincticeps	
Nelsonia campestris	18628	Neoclytus	14583* 63983*	Nephritis	3931 72406 31550*
Nelumbium nelumbo	58912	Neocypholaelaps	33045	SEE ALSO Chronic interstitial	
Nelumbium speciosum SEE Nelumbium		Neodiprion abbotii	43232	nephritis; White spotted kidney	
Nelumbo		Neodiprion excitans	83545	Nephroblastoma	82597
Nemacladus	17698	Neodiprion fulviceps	53429	Nephroma	186 695*
Nemagon SEE 1,2-Dibromo-3-chloro-		Neodiprion lecontei	23803	Nephrotoma	73612 94997
propane		Neodiprion pratti	23798 73772	Nepidae	64102 95231 33275*
Nemapogon	84182*	Neodiprion pratti pratti	14785 32919	64084* 73703*	
Nemapogoninae	84182*	83563		Nepotula n g	95440
Nemasomatidae	73521	Neodiprion sertifer	64170 5459*	Nepticula malella SEE Stigmella	
Nematinae	14782	14813* 105399* 105899*		malella	
Nematini	95314*	Neodiprion swainei	84072 94484	Nepticulidae	43241
Nematocera	53343 105709*	Neodryocetes	94952*	Neptis hordonia hordonia	95522
Nematocerus	73609*	Neodrypta n g	14498*	Nerenia francoisi	73862
Nematocerus sulcatus	52923	Neoephemera	5619*	Nerenini	73862
Nematocides	18394 99203 99703	Neoephemera macedonica	5613*	Nerine	28979* 39228*
99707*		Neoeptidesma soosi	95092	Nerine bowdenii	28978*
Africa	88941*	Neoeptola n g	105982	Nerine sarniensis	29729*
analysis and composition	88678	Neoeurygenius n g	5117	Nerine undulata	28978*
application	491 40354	Neoeurygenius portoricensis	5117	38200*	
application equipment	74142	Neogomesia	57532	Nerium	62607 68252 64233*
effects on Periplaneta americana	106096*	Neogoodenia n g	88304	Nerium indicum	58809
effects on rice	2625*	Neohaematopinus	95635	Nerium odorum SEE Nerium indicum	
effects on tea	47585*	Neohattoria	46946*	Nerium oleander	18251 13480*
France	88941*	Neohenricia sibbettii	49236*	28303* 69313*	
Germany	88907* 88946*	Neoitamus	5310* 95061*	Nerium oleander oil	28303*
in soils	501 101751	Neoitamus angusticornis	95095*	Nerolic acid	73344
Italy	27352a*	Neolasiptera	105743*	Nerve block	82461
Mediterranean area	77974*	Neolethaeus	73723 84064	Nerves	
North Central States	77545	Neolithocolletis n g	73818	Acarina	53201
Pennsylvania	9110 37309	Neomachilellus nimbensis	5607*	Anax imperator	14950 14951
tests	27075a 37512 58114	Neomacroris	23763*	arthropods	
58126 58127 99685	492*	Neomamersa (Meramecia)	23545	reviews	83731
18395* 18404* 18405*	88912*	Neomaruina n g	95101	asses	92883*
99669*		Neomaruina stuckenbergi	95101*	Calliphora vicina	43108*
Nematocionus robustus	88525	Neomochtherus	95100*	cats	31538
Nematodes	60205 2198* 23034*	Neomycobates n g	94795	cattle	72137 81727 22261*
90910* 99693* 99700* 99724*		Neomyobia	94742 94708*	Chortophaga viridifasciata	106071
SEE ALSO UNDER Insects and names		Neomyzaphis abietina SEE Aphis abie-		Cicadella viridis	43171*
of insects; Livestock and names of		tina		coypus	92835*
animals; Plants and names of Plants		Neomyzus circumflexus	73235	Diptera	5336
Nematodes (Coleoptera)	53253	Neonomius n g	14549	dogs	22362 31600* 52024*
Nematodirus	63138*	Neonotoedres SEE Notoedres (Neono-		82370* 82371*	
Nematodirus filicollis	63100	toedres)		goats	32250 51597 104675
Nematodirus infestation SEE Thread-		Neonyssus camargoi	23534*	grasshoppers and locusts	106094
necked worms		Neoparrya	77415	hamsters	104189*
Nematology	77945 77952	Neophysoderes	95261*	horses	62622*
conferences and congresses	77979	Neophthiracarus n g	94678	insects	23520 94524 14392*
Nematus	14782	Neoplasms SEE Tumors		23762* 53128*	
Nemaxera n g	84182*	Neoplectrus	53441	reviews	53146
		Neoploca n g	95440	Locusta migratoria	43322
		Neoplonyx n g	23579*	Melanoplus differentialis	73882

\*Text of this reference is not in English.



	Item			Item			Item	
Nerves--Cont			Neurigona	53326		Neutrons--Cont		
Musca domestica	4655		Neurinoma	31583*		in soil research	2096	2116
Periplaneta americana	53539		Neuroctenus	105827*		2125	29448	60102
33485*	95568*		Neurofibroma	13272*	92758	90816	101647	101663
Phormia terraenovae	5302	43096	Neuromachaerota	53408		101644*	101645*	101653*
pigeons	104362	104382	Neuroptera			101668*		101665*
poultry	31902---	31904	Arkansas	53597		Nevea brasiliensis		20645
42064	51597	52277	as parasites	14740		New taxa (botany)		
93245	72647*	62792	Chad	23920*		Acanthaceae		
rabbits		51597	Canary Islands	33501*		Aechmanthera		83
rats	31732	62665	China	106163*		Santapaua n g		67806
104203		62672	Czechoslovakia	64295		Aizoaceae		
Schistocerca gregaria	33456	33486	Europe	95599*		Astridia	26839a	46825
64266			Finland	95649		Cephalophyllum		26839a
sheep	32264	27798*	France	53553*		Conophytum	26839a	46825
Nervous system	103214	12598*	geographic distribution	53566		77307		
61765*		61742*	Great Britain	23954		Drosanthemum		77307
Aeshna		106141	habits and behavior	73906		Lampranthus		46825
aphids		33259	Hawaii	5600		Opophytum		46825
Blaberus craniifer		23938	immature stages	73906		Psilocaulon		77307
Blaberus giganteus		43328	Israel	14996		Ruschia	26839a	46825
Carausius morosus		5572*	larvae	95598*		Sphalmanthus	26839a	46825
cats	92735	105515*	Maryland	5609		77307		
cattle	72836	22169*	Mexico	14990		Trichodiadema		77307
reviews		62162	Netherlands	95598*		Algae		
Dermacentor pictus	42925*	105568*	nomenclature	5620	73886	Achnanthes		36956*
Diptera	5262	23708	106137			Acrochaetium		17844
diseases	12654	103261	Northern Rhodesia	95676		Actinocyclus		67927
dogs	72386	72415	Pakistan	14997		Alsidium		46955
41740*	52055*	72381*	Rennell Island	106129		Amphiroa		46955
Drosicha stebbingi		83394	Rumania	95645*		Amphiprora		17850
Drosophila melanogaster		105767	taxonomy	53566		Amphora	17850	57698*
ducks		13504*	types	5621		Arthrospira		77457
Embolyntha batesi		53576*	Neurospora			Auricula		17850
Eyrepocnemis plorans		5564*	anatomy and physiology	48014		Bartoniella		46955
Forficula auricularia		33496*	48175	100203	100498*	Biddulphia		67927
Galleria mellonella	73788	73790	biochemistry		9561	Bodo		17842
goats		4432*	19289	19363	19422	Boldia n g		99030
guinea pigs		31741*	69206	100594	100606	Caulerpa		88492
Homoptera		43171*	10276*		100711	Ceramium		46955
horses		22435	enzymes		58472	Cerataulina		67927
insects	5132	42847	genetics	833	9561	Chlorococcum		46950
53547	63839	73052	47885	47917	58458	Chlorosarcina		46950
105515*		73476*	89258		58472	Chlorosarcinopsis		46950
reviews		53155	morphology		18556	Chromulina		181
Jonespeltis splendidus		53211	taxonomy		67967	Closterium		77457
laboratory animals		22468	Neurospora crassa			Cocconeis	17850	36956*
Lepidoptera		73845	anatomy and physiology		9725	Cosmarium		77457
Leucophaea maderae		64249*	27834	28254	68710	Cyanocysta n g		37689
Locusta migratoria		84194*	68927	78787	89729	Cystodinium		88459*
Machilidae		95602*	biochemistry		1293	Cystophora		99045
Orthoptera		64256	1346	1383	1426	Delesseria		57706*
Ostrinia nubilalis		14878	48511	48537	48540	Dinobryon		77455
Periplaneta americana		5596	59080	78132	78932	Diploneis		36956*
53549	53551	64262	89801	89947	89783	Dodicium		88470*
5572*		73880	cytology	639	753	Epipyxis		77455
Porthetria dispar		84194*	enzymes	1369	19408	Euastrum		88470*
poultry	104328	104340*	89892		59080	Eudorina		100047
Pteronarcys		23961	genetics	764	766	Euglena		77457
rabbits		93550*	9602	27704	27769	Fragilaria		36956*
Sarcophaga bullata	23708	33142	47820	47841	47864	Friedmannia n g		46950
63996			48511	58408	58415	Gibsmithia n g		36958
Schistocerca gregaria		106079	68609	78288	78310	Gymnodinium		17842
sheep	4400	72836	morphology		47820	Gyrosigma	17850	36956*
swine	42285	52589	Neurospora sitophila	58269	59051	Herposiphonia		17844
32488*	63318*	104819*	89698			Korsikovella n g		88495*
Tipula oleracea		95008*	Neurospora tetrasperma	78283	99902	Kurzia		99029*
Tribolium confusum		83847*	Neuroterus quercusbaccarum		95345*	Lambertia		36962*
Trogulus nepaeformis		53193*	Neutral red		8558	Laurencia		46955
turkeys		52270	Neutralization test	41577	63247	Lemanea	8815*	88433*
Nesiodrypta		14498*	63322	81780	51502*	Lyngbya		77457
Nesiostrymon n g		95393	63242*		51614*	Mallomonas		8819
Nesiocephalus leptochilus		94701*	Neutron activation analysis		43942	Mastogloia		99044
Nesolejeunea		99002*	106566			Melosira		57702*
Nesothrips denticulatus		64287*	Neutron moisture meter	2113	39646	Micractinium		46966*
Nestegis		17679	49642	2102*	49589*	Mougeotia		26925a
Nests SEE UNDER Birds; Insects and			49829*		49621*	Myriogramme		57706*
names of insects; Poultry			Neutron scattering method		29482*	Myrionema		46960*
Net-blotch			Neutrons			Navicula	17850	67927
barley	9140	47386	effects on barley	89145		57687*	57689*	57698*
Netrium digitus		27470a	effects on einkorn	830		Neochloris		46950
Netting			effects on peanuts	19116		Ochromonas		17842
potatoes		20683	effects on rice	9634		Oedogonium		77457
Nettle SEE Urtica			effects on seeds	102772		Oocystis	77457	36962*
Nettlehead			effects on soils	80281		Oscillatoria	77457	99032*
hops	77910	99623	effects on tomatoes	58468	27755*	Phacus	36962*	88461*
Neuraminidase		52233*	effects on yeasts	100054		Polycoryne		57706*

\*Text of this reference is not in English.

	Item		Item		Item
New taxa (botany)-- Cont		New taxa (botany)-- Cont		New taxa (botany)-- Cont	
Algae--cont		Bromeliaceae		Cactaceae--cont	
Polysiphonia	183 67922	Aechmea	88345	Erdisia	77394*
Pseudotetrademus	36961	Bromelia	88345	Esposita	77395*
Pterosiphonia	46955	Canistrum	8748	Eulychnia	77394*
Raphoneis	17850	Guzmania	8748	Gymnocalycium	77395*
Rhizosolenia	67927	Navia	88345	Islaya	77395*
Scenedesmus	77457	Neoregelia	8748	Lobivia	36786
Schizoseris	57706*	Nidularium	8748	Loxanthocereus	77394*
Sphaerellopsis	8801	Pycnairnia	8748 88395*	Mammillaria	17670
Spirogyra	26925a 77457	Puya	8748 88393*	Pachyphytum	57615*
Spongiochloris	36971 46950	Ronnbergia	8748	Parodia	36786 77394*
Spongomorpha	67925	Tillandsia	8748 88393*	Peniocereus	57548*
Staurastrum	77454	Vriesea	8748	Pfeiffera	77394*
Stigeoclonium	46958	Brunelliaceae		Rebutia	36786 46830 26835a*
Surirella	67927 57698*	Brunellia	26825a	Sulcorebutia	26835a*
Temnogametum	26925a	Bryophyta		Tephrocactus	77395*
Thamnocephalis	57694	Acrochila n g	36955	Weberocereus	46865
Trachelomonas	77457	Acrolepidozia n g	36955	Campanulaceae	
Turbinaria	88490	Acromastigum	36955	Campanula	8689* 46852*
Ulothrix	46961	Anoetangium	99009*	98907* 98938*	
Ulvopsis n g	46957*	Archeochaete n g	36955	Nemacladus	17698
Vaucheria	17869	Archeophylla n g	36955	Capparidaceae	
Xanthidium	88470*	Archilejeunea	88434	Cleome	67879*
Zygnema	26925a 77457	Austrolophozia n g	36955	Caryophyllaceae	
Zygnemopsis	57695*	Bazzania	77436*	Bolanthus	98905*
Amaranthaceae		Braunfelsia	77439*	Cerastium	8728*
Amaranthus	98958	Breutelia	77439*	Gypsophila	98905*
Psylliostachys	98918	Bryum	163 99017*	Paronychia	8704 88282
Amaryllidaceae		Calymperes	88440	Spergularia	88354
Amaryllis	8693 8730	Calypogeja	161	Velezia	98907*
Boophane	26837a	Campylum	17838*	Casuarinaceae	
Brunsvigia	8761 26837a	Cardiolejeunea n g	99021	Casuarina	17569
Cyrtanthus	54	Cheilolejeunea	77442*	Chenopodiaceae	
Galanthus	118* 57593*	Chiloscyphus	8787	Atriplex	26830a
Hymenocallis	8762 8763	Chorisodontium	67897	Gamanthus	57544*
Zephyranthes	8766	Cladocolea n g	99021	Halocharis	46872*
Annonaceae		Cololejeunea	77442*	Salsola	46870* 57542* 57544*
Polyalthia	17569	Cryptochila n g	36955	Chlaenaceae	
Popowia	8715*	Dicranoloma	77439*	Schizolaena	46790*
Uvaria	8715*	Diplasiolejeunea	77442*	Clethraceae	
Apocynaceae		Echinocolea n g	99021	Clethra	26825a
Dictyophleba	61	Eotrichocolea n g	36955	Combretaceae	
Mandevilla	26825a	Fissidens	67897	Combretum	88297
Araceae		Funicularia	99014*	Terminalia	8685*
Caladiopsis	46829 46829	Haplomitrium	8779	Commelinaceae	
Philodendron	77404	Hygrolembidium n g	36955	Aneilema	26825a
Aristolochiaceae		Isolembidium n g	36955	Compositae	
Aristolochia	77376*	Lejeunea	36955	Achillea	46820*
Arundinoideae		Lepicolea n g	8786*	Artemisia	46852*
Chionochloa n g	26912a	Lepidolejeunea n g	99021	Artemisia	46852*
Cortaderia	26912a	Lepidozia	8787 17831	Bahia	77328
Erythranthera n g	26912a	Leptophyllopsis n g	36955	Bidens	36917 98956
Notodanthonia n g	26912a	Leptoscyphus	88441*	Chrysanthemum	46852*
Pyrrhanthera n g	26912a	Leucoloma	17839*	Chrysothamnus	98853
Asclepiadaceae		Lophochaete	36955	Cirsium	17757 46852* 57588*
Caralluma	54 55	Lophocolea	8787	Comptonanthus n g,	77372
46875		Lophozia	8787	Coreocarpus	36917
Echidnopsis	55 77359	Macromitrium	77439*	Cosmos	36917
Huernia	46880 77359	Megalembidium n g	36955	Echinops	46852*
Rhytidocaulon n g	55	Microlepidozia	8787	Elytropappus	77373
Stapelia	55	Neohattoria	36955	Epilasia	46852*
Balsaminaceae		Plagiobryum	17837	Erigeron	46852*
Impatiens	8713* 67830*	Plectocolea	17831	Eriocarpus	77374
Begoniaceae		Pycnolejeunea	77442*	Eupatorium	77314*
Begonia	88327	Pyrrosia	88422	Galatella	46869*
Betulaceae		Radula	99008	Helichrysum	98876
Betula	57661*	Rechingerella n g	99009*	Hieracium	98911*
Boraginaceae		Rhaphidostichum	77439*	Hypochoeris	98863*
Alkanna	98907*	Riccia	160	Inula	46852*
Anchusa	67861*	Saccogynidium	36955	Jurinea	57578* 57579* 57580*
Cynoglossum	67863*	Solenostoma	8787	Machaeranthera	77418
Decalepidanthus n g	67862*	Stephanodictyon	77439*	Mikania	77314*
Eritrichium	67863* 98917*	Taxiphyllum	17839*	Othonna	46897
Heliotropium	98918 17768*	Trichocolea	77435*	Pietrosia n g	36887*
Lepechinella	26830a 57530*	Trichostomum	77439*	Piptocarpha	68703*
67863*		Tuyamaella	17841*	Pollalesta	17634*
Lindelofia	98918	Verdoornia n g	36955	Saussurea	46852*
Mattiastrium	98918	Xenothallus n g	36955	Scorzonera	57602*
Mertensia	98918	Zygodon	17836*	Senecio	54
Myosotis	67863*	Burseraceae		Steptorhamphus	88333*
Nonnea	26830a 98918	Dacryodes	77298*	Stevia	77314*
Omphalodes	67863*	Cactaceae		Taraxacum	98924 26895a*
Onosma	26830a	Acanthocalycium	77395*	46852* 88374*	
Paracaryum	98918 67863*	Arequipa	77394*	Tragoceras	8759
Rindera	98918	Borzicactus	77394*	Vernonia	67803*
Rochelia	98918	Cleistocactus	46831 77394*		
Trichodesma	67863*	Echinopsis	46831		

\*Text of this reference is not in English.



	Item		Item		Item
New taxa (botany) -- Cont		New taxa (botany) -- Cont		New taxa (botany) -- Cont	
Coniferae		Fungi -- cont		Fungi -- cont	
Pinus	67865*	Actinodendron n g	67971	Ditola	37003*
Convulvulaceae		Actinomyces	8847*	Dolabra n g	99065
Sabaudiella n g	88412	Agaricus	17892*	Drechslarella n g	57744
Crassulaceae		Albugo	88513	Drummondia	46971*
Echeveria	57612*	Aleurocystidiellum n g	46998	Ductifera	37003*
Kalanchoe	88365*		88534	Echinochaete n g	88546
Cruciferae		Aleurodiscus	46998	Elachopeltis	46972*
Aethionema	98907*	Allomyces	67985	Elsinoe	8883 67930 99099
Alyssum	88293	Alternaria	67973	Epibelonium n g	17901*
Biscutella	88321	Amanita	26971a	Eremotheca	99058*
Cryptospora	57540*	Amerosporium	37032	Exidia	37003*
Diploaxis	57644*	Anthracoidea	17896 99097	Fabospora	37031
Erysimum	98907*	Appendiculella	88499*	Fassia n g	88509
Goldbachia	57541*	Arachnophora n g	8836*	Femsonia	88548*
Matthiola	98907*	Arnaudovia n g	99132*	Flagellospora	223
Cucurbitaceae		Ascochyta	88514 99113	Fusicoccum	8844
Raphidiocystis	8688**	Ascoidea	99064	Ganoderma	17914*
Zehneria	8688**	Aspergillus	37010 88549	Gastroboletus	67983
Zombitsia n g	17714*		57725*	Geoglossum	193
Cynareae		Asterostomula	46972*	Gilmaniella n g	99054
Carduus	8658*	Aurificaria n g	88546	Glomerella	57936
Centaurea	8658*	Auxarthron n g	221	Gnomonia	67966*
Cirsium	8658*	Bacillispora n g	26957a	Gonatobotryum	8858
Onopordum	8658*	Bagnisiella	26973a	Graphina	37034
Serratula	8658*	Barnettella n g	67974	Graphis	37034
Cyperaceae		Beltrania	8857	Graphium	88503
Afrotrilepis n g	8737*	Bifusepta n g	17880	Gymnoascus	26958a
Carex	26825a 46857 8659*	Blastenia	17881*	Gymnosporangium	88529
Mapania	88342*	Boletellus	57719*	Haplopetheca n g	99058*
Schoenoplectus	8659*	Boletus	57720*	Haplosporella	67950*
Scleria	77387*	Bombardia	36976 88503	Harposporium	192
Uncinia	17684	Botryosphaeria	88512	Heimiella	57720*
Diatomaceae		Botrytis	67961*	Helicoceros	67976
Achnanthes	88469	Broomella	8872	Helicoma	67976
Amphora	88469	Buellia	17881*	Helicomina	8859
Caloneis	88469	Calcarispora n g	88536*	Helicoon	57724*
Capartogramma	88487	Calcarisporium	67975	Hendersonia	37032
Cymbella	88469	Caloplaca	99123* 99136*	Hyalopus	67961*
Fragilaria	88469	Cammarosporium	37032	Hygrophorus	208 231
Gomphonema	88469	Camposporium	99119	Hyphodontia	88554
Navicula	88469	Candida	37025 57739 99110	Hysterium	26973a
Neidium	88469	Carouxella	77478*	Ingoldia	88522
Pinnularia	88469	Catenella n g	46972*	Inocybe	208
Dichapetalaceae		Cephalosporium	232	Inonotus	88546 99114 57708*
Dichapetalum	8758	Ceratocystis	67978 88552	Isariopsis	47001
Didieraceae		Cercospora	26947a 47049	Khuskia n g	8841
Alluaudiopsis	17774*		67972 99113 67937*	Korfia n g	17910
Diegodendraceae		Ceuthospora	67966*	Laboulbenia	17875
Diegodendron n g	46790*	Chaetomella	8863 8875	Lactarius	26971a
Dilleniaceae		Chaetomium	88503	Lasiosphaeria	36976
Saurauia	88380	Chlamydozoma n g	67989	Lecanora	37001 17895*
Dipsacaceae		Ciferriotheca	99057*	Lecidea	17881*
Scabiosa	98907*	Ciliochorella	8843	Lemonniera	223
Dipterocarpaceae		Ciliifusospora n g	99055*	Leptogium	17911
Dipterocarpus	17745	Claviceps	57914	Leptoporus	88546
Hopea	17745	Clitocybe	26939a*	Leptosphaeria	8853
Shorea	17745 57533	Cochliobolus	37008 67968	Leucocoprinus	47036*
Ebenaceae			67969	Lopharia	88546
Diospyros	8769	Comatricha	88521	Macrophoma	8844 26956a*
Ericaceae		Coniochaeta	36976	Manginula	46970*
Artostophylos	77350	Coniothyrium	88514	Manginulopsis	46970*
Erica	98878*	Cordyceps	77474 17900*	Melanospora	67961*
Rhododendron	88357	Cortinarius	208 26971a	Meliola	88500*
Eriocaulaceae		Corynespora	88511	Metatrichia n g	88521
Paepalanthus	8649	Corynetes	193	Micraspis n g	189
Erythroxylaceae		Coryneum	88551	Microdiplodia	8866
Erythroxylum	8740	Craterellus	26971a	Micromonospora	8847*
Euphorbiaceae		Cribraria	67965	Micronectria	99051
Argythamnia	77353	Cryptodiaportha	47326	Micronectriella	88503
Borneodendron n g	142	Curvularia	37019	Micropeltella	99060*
Cleistanthus	17726*	Curvusporium n g	46977*	Micropeltidium	99061*
Euphorbia	55 117	Cylindrium	67961*	Micropeltis	88501*
46879 57656*		Cylindrosporium	8844	Micropolyspora	67955*
Loerzingia n g	142	Cystidiophorus n g	57708*	Microthyriella	99057*
Ostodes	142	Dactylella	8833 67932	Moorella n g	67976
Spathiostemon	142	Dangeardiana n g	88553*	Morqueria n g	99059*
Fagaceae		Dasyscyphus	88510	Mortierella	8855
Castanopsis	98867*	Dendrographium	17908	Mycerema n g	88502*
Trigonobalanus n g	88302	Dichelostroma n g	99056*	Mycomedusiospora n g	36976
Flacourtiaceae		Dictyopanus	67952*	Mycomicrothelia	99069
Tisonia	8714*	Dictyothyrium	99063*	Mycosphaerella	36993 88547
Fungi		Diderma	99131	99052 99069 57728*	77466*
Absidia	99087	Didymium	99109 99131	Mycotypha	17905
Achaetomium n g	88545	Didymopeltis	99057*	Myrothecium	225
Achlya	227	Diorchidium	67935	Nautosphaeria n g	88524
Acrodictys	88511	Diplodia	37032	Nematoctonus	88525

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.

	Item		Item		Item		Item
New taxa (botany)-- Cont		New taxa (botany)-- Cont		New taxa (botany)-- Cont			
Fungi-- cont		Fungi-- cont		Gramineae-- cont			
Nephroma	186	Septosperma	8829	Dryopoa n g	17808		
Neurospora	67967	Sirothyriella	37032	Elionurus	77294*		
Ochrolechia	67988*	Sirothyrium	37032	Koeleria	88408		
Octospora	47013*	Skepperiella	99125*	Lasiurus	88379		
Oospora	57724*	Spadicoides	88511	Lepargochloa n g	88338		
Opegrapha	36995	Sparassiaella n g	88548*	Loxodera n g	88338		
Osmoporus	57709*	Sparassis	88548*	Merostachys	88345		
Ostreola n g	190	Sphaeronema	37032	Miscanthus	77361		
Oswaldoa	99057*	Sphaeropsis	37032	Parapholis	17645		
Ovularia	26956a*	Sphaerotheca	99113	Reederochloa n g	77411		
Pachykytospora n g	46989*	Sphaerulina	99055*	Guttiferae			
Panaeolus	79067	Spicaria	57724*	Hypericum	88399		
Parapeltella	99057*	Sporidesmium	88511	Helleboraceae			
Parasterinopsis	99059*	Sporodinia	88539*	Aconitum	46869*		
Parataeniella	67958	Stachybotrys	8879	Hydrocharitaceae			
Parmastomyces n g	89144	Stagonospora	99522*	Elodea	17780		
Parmelia 79028	99082	Stecchericum n g	88546	Hypericaceae			
Passalora	67929	Steganothecium	67929	Hypericum	46869*		
Penicillium	8873	Stemphylium	88550	Juncaceae			
Petalosporus n g	26933a	Stephanosporium n g	37030*	Juncus	17706	98882	
Pestalotia	8844	Stigmatomyces	17875	Labiatae			
Pestalotiopsis	37014	Stigmata	88511	Hedeoma	8684		
Phaeocollybia	17876	Stilbella	67947	Lamium	17689		
Phaeographina	37034	Stomiopeltella	88502	Salvia	36862		
Phaeoscopariopsis	37010	Stomiopeltina n g	88502*	Scutellaria	88961	36862*	
Phaeosphaeria	99069	Stomiopeltis	88502*	Thymus		57530*	
Phaeostomiopeltis n g	88502*	Stomiopeltopsis n g	88502*	Tinnea		17637*	
Phillipsiella	46999	Strasseria	67943*	Lauraceae			
Phoma	37032	Streptomyces	57421*	Aniba	88345		
Phomopsis 201	47326	Sydowiellina	99062*	Beilschmiedia	8691*		
67943*		Telioclipeum n g	26976a*	Endlicheria	88345		
Phragmopyxis	67935	Teloschistes	57707*	Licaria	88345		
Phylliscum	17893*	Tetranacrium n g	99089	Lorostemon	88345		
Phyllosticta	8864	Thermomyces	88544	Mezilaureus	88345		
99120	77466*	Thielavia	88503	Ocotea	88345		
Phyllostictina	37032	Thraustochytrium	17889	Persea	88345		
Physarum	99131	Thyriostromella	46972*	Phoebe	88345		
Plagiostigme	36973	Torulopsis	99110	Pleurothyrium	88345		
Plasmopara	57734*	Toxotrichum n g	99112	Thysanostemon n g	88345		
Platycarpium	37032	Tranzschelia	212	Leguminosae			
Plectonaemella	37032	Tremella	37003*	Acacia	8757*		
Pleosphaerulina	67966*	Tricladium	88536*	Arachis	57583*		
Pleurocollybia	99124*	Tripodotrichum n g	99111	Astragalus	26886a*		
Plochmopeltidella	88502*	Trisulcosporium n g	99089	Berlinia	88272		
Pluteus	208	Troposporella	67976	Caesalpinia	88272		
Podoserpula n g	226	Tuber	67948	Calpocalyx	88347*		
Podosporium	8857	Tubeufia	88503	Canavalia	57643		
Polyphagus	99133*	Tylophilus	88519*	Cassia	36787*		
Porina	37023	Uncinula	47048	Colutea	90		
Procandida	99110	Uredo	47052	Cynometra	88272		
Psammia	67943*	57746*		Dussia	8742		
Pseudeurotium	37010	Uromyces	46988	Gueldenstaedtia	78		
Pseudoarachniotus	8848	Usnea	8837	Hedysarum	57642*		
Pseudopileum n g	8829	Ustilago	8851	Milletia	88397*		
Puccinia	47051	Ustilentyloma n g	88547	Mimosa	26825a		
Pyrenochaeta	67966*	Vanudenia n g	88502*	Oddoniodendron	88347*		
Pyrenophora	17871*	Venturia	17873*	Oxytropis	57662*		
Pyroformes n g	89144	Xanthoria	185	Parksonia	88272		
Pythium	88531	Xerocomus	208	Sweetia	36879		
Radiigera	17912	Zopfia	77469	Tephrosia	88386		
Ramaria	88548*	Zygorhizidium	8829	Zornia	36878		
Ramularia	57728*	Gentianaceae		Liliaceae			
Ravenelia	47050	Exacum	77352*	Allium	151	8659*	
Rebentischia	99055*	Tachiaenus	46861*	Aloe	46903	77392	
Rhabdospora	88514	Geraniaceae		Merendera		57625*	
Rhacodiella	77808*	Erodium	98983	Polygonatum		98*	
Rhizophagus	36988	Gesneriaceae		Linaceae			
Rhizophydium	8829	Episcia	67846	Hugonia		8740	
Rhizopogon	37018	Napeanthus	67846	Loganiaceae			
Robillarda	8844	Trichantha	8727	Strychnos		133	
Rubetella	77478*	Gnetaceae		Loranthaceae			
Russula	8869	Ephedra	93918	Amylothea		8670	
Saccharomyces	8884	Goodeniaceae		Antidaphne		77358	
Sarcinella	8857	Leschenaultia	88304	Arceuthobium		36831	
Sarcodon	197	Neogoodenia n g	88304	Bakerella		77303*	
Schizochytrium n g	36985	Gramineae		Dendrophthora		26867a	
Schizopeltis	99057	Agropyron	77377	Diplata		8670	
Schizosaccharomyces	99118	Alopecurus	17645	Socratina n g		77303*	
Sclerophthora	68153	Andropogon	88286	Viscum		8670	
Scoleobasidium	36987*	Arthrostyloidium	88345	Magnoliaceae			
Scolecopeltidium	99057	Beckeropsis	98887	Bubbia		46790*	
Scolecotrichum	8857	Bouteloua	57563	Malesherbiaceae			
Scoliotidium n g	99056*	Calamagrostis	36935*	Malesherbia		26889a*	
Selenophoma	37032	Capillipedium	57546	Malpighiaceae			
Septoria	8865	Colpodium	17645	Acridocarpus		26834a*	
77475*		Digitaria	57660*				

\*Text of this reference is not in English.



Item			Item			Item		
New taxa (botany)-- Cont			New taxa (botany)-- Cont			New taxa (botany)-- Cont		
Malvaceae			Polemoniaceae			Stackhousiaceae		
Alcea	17815		Cantua	36839*		Stackhousia	88304	
Gossypium	88288	17815	Gilia	17785		Sterculiaceae		
Pavonia	36855*		Polygalaceae			Ayenia	36793*	
Melastomaceae			Monnina	88300*		Taccaceae		
Adelobotrys	88345		Polygonaceae			Tacca	88291	
Boyania n g	88345		Atraphaxis	57539*		Theaceae		
Centronia	88345		Eriogonum	17699		Ternstroemia	8707	8708
Clidemia	88345		Polygonum	46836*	67840*	Thymelaeaceae		
Comolia	88345		Polypodiaceae			Craterosiphon		88368*
Ernestia	88345		Platytaenia	98918		Gonystylus		88388
Graffenrieda	88345		Primulaceae			Octolepis		17577*
Leandra	88345		Primula	8690		Tiliaceae		
Macairea	88345		Proteaceae			Pseudocorchorus n g		17653*
Macrocentrum	88345		Grevillea	88304		Tropaeolaceae		
Maguireanthus n g	88345		Macadamia	46790*		Tropaeolum		36918*
Maguireothamnus n g	88345		Pteridophyta			Turneraceae		
Maieta	88345		Asplenium	77431*		Piriqueta		17577*
Mallophyton n g	88345		Cyclosorus	17818		Umbelliferae		
Miconia	88345		Dryopteris	57672*		Aletes		77415
Nebelinanthera n g	88345		Kaulinia n g	67895		Bunium	8729	98918
Pachyloma	88345		Phymatodes	158		Bupleurum		98918
Phainantha	88345		Ranunculaceae			Chaerophyllum		98918
Tibouchina	88345		Aconitum	17722		Crematosciadium n g		98918
Tococa	88345		Ranunculus	17671	46869*	Eleutherospermum		98918
Tryssophyton n g	88345		Thalictrum	46869*		Ergocarpum n g		88403
Meliaceae			Restionaceae			Ferula	8729	98918
Turraea	8752		Restio	17641	17707	Heracleum	88403	98918
Monimiaceae			Rhamnaceae			Ligusticum		98918
Siparuna	26825a		Colubrina			Prangos		98918
Musaceae			Lasiodiscus			Pycnocycla		98918
Musa	88390		Rosaceae			Scaligeria	8729	98918
Myrsinaceae			Achemilla	98888*		Selinum		98918
Ardisia	88343	46790*	Cotoneaster	26852a		Torilis		88403
Parathesis	88343		Crataegus	57635*		Trachydium		98918
Synardisia n g	88343		Potentilla	57576*		Trachyspermum		8729
Myrtaceae			Rubus	8718*		Turgenia		88403
Calyptanthus	36863*		Rubiaceae			Urticaceae		
Calytrix	88304		Bertiera	8696*	77340*	Pilea		17724*
Eremaea	88304		Calycophyllum			Valerianaceae		
Verticordia	88304		Capirona			Phyllactis		36899*
Ochnaceae			Chalepophyllum			Valeriana		36776*
Ochna	8740		Chasalia	89*		Velloziaceae		
Ouratea	8740		Coffea	135*		Barbacia		8749
Onagraceae			Dendrosipanea	88345		Verbenaceae		
Clarkia	98981		Gaillonia	57601*		Aloysia		77369
Epilobium	26830a		Galium	8711*		Lippia	8649	77369
Fuchsia	57621		Hillia	88345		Vitaceae		
Orchidaceae			Kotchubaea	88345		Cyphostemma		77322*
Acriopsis	88406		Nebelinanthamnus n g	88345		Xyridaceae		
Angraecum	88398		Perama	88345		Abolboda		88345
Bonatea	88398		Platycarpum	88345		Xyris	88345	88394*
Bulbophyllum	88314*		Pseudosabicea n g	17683*		Zingiberaceae		
Cirrhopetalum	88314*		Psychotria	77334	98937*	Costus		26825a
Disa	88398		Schradera	88345		Kaempferia		36860
Habenaria	88398		Rutaceae			Renealmia		26825a
Oberonia	88314*		Haplophyllum	46869		Zygophyllaceae		
Polystachya	88398		Pelea	36919		Zygophyllum		98918
Saccolabium	88314*		Santalaceae			New taxa (entomology)		
Yoania	67832		Austroameridium n g	98901*		Acarina		
Palmae			Sapotaceae			Acarus		94722
Chrysallidosperma n g	26876a		Manilkara	17635*		Aceria	5081	63880
Iriartella	17753		Piresodendron n g	17635*		83809*		94713
Pritchardia	98947		Pouteria	80*		Acronothrus		94678
Sabal	17754		Synsepalum	17635*		Aculus		63880
Pandanaceae			Saxifragaceae			Aetholaelaps		63857
Pandanus	36911		Deutzia	57665*		Africoseius n g		14454
Papaveraceae			Saxifraga	57624*		Agistemus		14438
Fumaria	36915		Scrophulariaceae			Alliphis	94697	5092*
Papaver	17663	67824	Euphrasia	98966*		Allodamaeus		94678
Penaeaceae			Geoffraya	56		Allodectes n g		63866*
Brachysiphon	26836a		Ilysanthes	56		Allogalumna		73507*
Pinaceae			Linaria	46869*		Amblyomma		83802
Pinus	98922		Lindernia	56		Amblyseius		83779*
Piperaceae			Pedicularis	98868*		Amblyseius(Typhlodromalus)		94761
Peperomia	17813	88345	Pterygiella	98868*		Ameroseius		94772
Piper	17813	88345	Torenia	56		Ancystropus		94700
Plantaginaceae			Verbascum	77366*		Andreacarus		83770
Plantago	17632		Veronica	26830a	98871*	Androlaelaps		23572
Plumbaginaceae			Simaroubaceae			Anoetus	94732	94757
Acantholimon	98918	57576*	Iridosma n g	77298*		Antennoseius		94679
57600*			Solanaceae			Anthocptes		5081
Armeria	8736*		Cyphomandra	26825a		Aplonobia		83807
Limonium	57530*		Markea	26825a		Arctoseius		53197
Podostemaceae			Nierembergia	26825a		Argas		33057
Dicraeanthus	77323*		Solanum	56	36830	Argas (Persicargas) n sgen		33057

\*Text of this reference is not in English.

	Item		Item		Item
New taxa (entomology)-- Cont		New taxa (entomology)-- Cont		New taxa (entomology)-- Cont	
Acarina--cont		Acarina--cont		Acarina--cont	
Asca	63873	Hirstiella	63887	Parasitus	94697
Asternolaelaps	94679	Hirstionyssus	94753* 105591*	Passalozetes	94727
Atractides	94793*	Histiogaster	94805	Passeronyssus	63860*
Audytrombicula	63902*	Histiostoma	94805	Pedrocortessella	14482
Austrognetia n g	94678	Holcotrombidium	53166*	Pellonyssus	105594
Bakerocoptes n g	5078*	Holothridae n fam	94795	Pergalumna	73507*
Bakerocoptinae n sfam	5078*	Holothrus n g	94795	Pergamasus	42906 33059*
Balaustium	94781	Hoploseius	94752	Petrobia	83807 94759
Baloghella n g	5099*	Hyadesia	5100	Phalloppia	94678
Bandakia	33040	Hyattella n g	14454 94699	Phthiracarus	94678
Bdellodes	23537 23539	Hydrogamasus	94679	Phyllocoptes	5081
Boydala	14428*	Hygrobatas	94793*	Phytoseius	83779*
Brachysternum	73522	Hypoaspis	73522	Pilizetes	73507*
Brachytremella	73522	Ichoronyssus	53179	Platyseius	14454
Bryobia	5106 83807	Imparipes	94758	Plesioseius	14454
Calholaspis	5095	Iphidozercon	53197	Pneumocoptes	14424*
Camerotrombidium	53166*	Ixodes	83785	Podocinum	83767
Carabodes	94678 73507*	Laelaps	53179 94785*	Pritchardina n g	5106
Cebalgoides n g	42917*	Laelaps (Echinolaelaps)	73542	Procebalges n g	42917*
Charadracarus	14466*	Lasioseius	14454 53197	Proctolaelaps	14454 94697
Chileseius n g	83779*	94772		Promyialges n g	83773*
Chirnyssoides	5077*	Leioseius	53197	Psittanyssus n g	63860*
Chirophagoides n g	14430*	Lepidocheylea n g	53225*	Psittophagoides n g	83773*
Coccorhagidia	23575	Leptotrombidium	23565 63902*	Psorergates	53192
Cockingsia	63856*	Licnodamaeus	94678	Pteracarus	94708*
Coleolaelaps	73522	Liponyssoides	53179	Pteridopus n g	94766
Coptophylla	5081	Lordocheles n g	23559	Pterodectes	63850*
Cosmogneta	63868*	Macquariella n g	94795	Pteronyssus	14461 63850*
Crassicheles n g	5092*	Macrocheles	94772	Ptilonyssus	94705 42914*
Criotacus n g	63880	14436* 63888*		42916* 63860*	
Cristermaeus n g	94678	Marsupialges n g	42917*	Pygmephorus	5099*
Cryptobothria n g	94795	Marsupialginae n sfam	63859*	Radfordia	83771
Cryptometasternum	73522	Melisia	94773*	Rallinyssoides n g	14435* 23535*
Cultroribatula	94678	Meristaspis	94700	Rallinyssus	14428* 14435*
Cyrtolaelaps	94772	Mesonysus	63860*	Raphignathus	23538
Cyta	53187*	Mesoseilus n g	83779*	Reductacarus	5099*
Dermation	83773*	Metaseiulus	83779*	Rhagidia	23575
Dermatophagoides	23549 83774*	Microcaeculus	83777*	Rhinonyssus	5075* 42914*
Dinychus	94778*	Microlichus	83773*	Rhinophytoptus	5081
Diptacus	83765 83766	Microsmariella n g	63882	Rhinoseius n g	33034
Dometorina	94678	Microsmaris	63882	Rhopalozetes	94678
Echinomegistus	73522	Monoceronychus	83807	Rhynacus	63880 83765
Echinonyssus	105582*	Myialges	42912*	Rhyncaphytoptus	5081
Eltonella	63902*	Myianoetus	5099*	Rhynchocaulus n g	63866*
Elotetranychus	14463 83807	Myotrombicula	63902	Rhynchoribates	73507
Epidermoptes	105559	Myrmicochelya n g	53225*	Rhyncoptoides	83773*
Epitrimerus	5081	Myrmonyssus	14448	Riedlinia	63902* 94789*
Eremaeus	42956 14465*	Nanorchestes	23575	Rykella	73507*
Erogaumna n g	94721*	Neobiscirus n g	53187*	Sandania	94795
Erythraeus	94781	Neoboydaia	63853	Saxicolestes	42952
Eueremaesus n g	14465*	Neocypholaelaps	33045	Schelorbates	63890 73507*
Eulabidocarpus	14471	Neomamersa	23545	105579*	
Eupodes	23575	Neomamersa (Meramecia) n sgen	23545	Schizopodalgas n g	42918*
Euschoengastia	14459 63848	Neomycobates n g	94795	Schizotetranychus	5106 83807
Eutegaus	94678	Neomyobia	94742 94708*	Schoutedenichia	94790* 94792*
Evansacarus n g	5080*	Neonyssus	23534*	Scutacarus	94758 5099*
Evimirus n g	5092*	Neophthiracarus n g	94678	Scutacarus (Variatipes)	94758
Exoripoda n g	42955	Nothothrombidium	63846*	Scutovertex	94678 83795*
Fonsecalges	42917*	Notoedres	53191 5077*	Sejus	14454 94699
Gaeolaelaps	73522	63859*		Setobates n g	73507*
Gahrlepiea	105598*	Notoedres (Mesonotoedres) n sgen	53191	Sphaerozetes	94678
Galagalges n g	5076*	Notoedres (Neonotoedres) n sgen	14431*	Sphodrocephus n g	5116
Galendromus	83797	Nycteridocoptes	14431*	Spinturnix	94700
Galendromus (Leonodromus) n sgen	83797	Olalidocarpus	14471 94755	Steatonyssus	105593
Galumna	73507*	Oligonychus	5106	Steatonyssus (Steatonyssella)	105593
Galumnopis	73507*	Oncoscelus n g	94700	Stereotydeus	23575
Gamasellus	94679	Oppia	94678 73507*	Sternoseius n g	94679
Gamasolaelaps	63859*	Opsonyssus	83775*	Sternostoma	23536* 42914*
Gaudalgas n g	94784*	Orbiculobates	94678	63860*	
Gehypochthoniidae n fam	94784*	Oripoda	42955	Stomacarus	94678
Gehypochthonius	94678	Ornithocheyletia n g	63903*	Synaphaspis n g	23559
Geminozetes n g	94678	Ornithodoros	5094 94796	Syringophilus	94694
Glanderemaesus n g	63865*	Ornithodoros (Ornamentum) n sgen	94695	Taeniogalumna n g	73507*
Grallobia	63865*	Ornithodoros (Subparmatius) n sgen	94695	Tarsonemus	63874 94799*
Grallichus	105579*	Ornithonyssus	53179	105569*	
Gymnodamaeus	63897	Oxypleurites	5081 83765	Tegolophus	63880
Haemaphysalis	5085 63897	Panonychus	14463	Tegonotus	5081
63898		Paracorpates	63859*	Teinocoptes	23564 14429*
Haemogamasus	63847*	Paracorpinae n sfam	63859*	Tenuipalpus	5106
Haemolaelaps	53179	Paralabidocarpus n g	63889	Tetra	5081 63880
Halozetes	94795			Tetracondyla	94678 73507*
Hattena n g	53179			Tetranychus	5106
Hermannella	73507*			Topalia n g	94678
Heterodiplogynium	73522			Tragardhula	105598
Hiotrombidium	53166*			Tricheremaesus	14439*

\*Text of this reference is not in English.



	Item		Item		Item
New taxa (entomology)-- Cont		New taxa (entomology)-- Cont		New taxa (entomology)-- Cont	
Acarina--cont		Chilopoda--cont		Coleoptera--cont	
Trichodiplogynium	73522	Causerium n g	53174	Brachinus	23582* 73556*
Trichogalumna	73507*	Clinopodes	23560	105603*	
Tridiplogynium	73522	Lithobius	42935* 53200*	Brachygluta	23585*
Trimeracarus n g	94713	Lithobius (Archilithobius)	94764*	Brachysilidius	73610*
Trisetacus	63880	94765*		Brahmina	94861*
Trombella	94675*	Maoriella	83764	Brasiliella	94911*
Trombicula	94754	Orya	53177*	Brasilocerus n g	23627*
5109* 14485* 63902*	94691*	Polybothrus (Parapolybothrus)		Brontispa	73572
Trombicula (Neotrombicula)		n sgen	33056	Bureschiana n g	94870*
	94707*	Coleoptera		Bystodes	14568
Tropicoseius n g	33034	Abacetes	14567* 94970*	Caccobius	63908*
Tuckerella	105580	Acalolepta	42962*	Cacophrissus	53241
Typhlodromus	33060	Acchryson	5216*	Caedius	5163*
Urodinychus	14458*	Acmaeoderella	105620*	Cainotyphlus n g	94838*
Vasates	5081	Acrolytta	94892*	Callidium	5176
Vidia	42905	Adelopsis	94972*	Callispa	94868
Walchiella	14425	Aderus	23581*	Callistola	73572
Whartonia	63902*	Aegognathus	94990*	Calodrominae n sfam	5139*
Zercon	94762* 105579*	Afidentula	73576	Calvia	73576
Zerconopsis	94699	Afissa	73576 105640	Carabus	94896*
Zumptiella	83763	Afrozia n g	23582*	Cardiophorus	94836*
Zygoseius	73522	Agatus	94887*	Carinophloeus n g	43001
Anoplura		Agetocera	105617*	Carpophilus	73568
Ancistroplax	95635	Agonita	23624*	Cartoderopsis n g	42967*
Haematomyzus	95609	Agonoamara n g	105604*	Catharsius	105629* 14522**
Hoplopleura	95635	Agonochila	94920	Cenocephalus	94930*
Neohaematopinus	95635	Agonum	105604*	Cenophengus	23627*
Pedicinus	95642*	Agrilus	53233*	Ceocephalus	42968*
Sathrax n g	95635	Aleochara	83858*	Ceratispa (Ceratispa)	73572
Araneida		Allardina n g	63910*	Ceratispa (Metallispa) n sgen	
Ablemma n g	94770*	Amara	94887*		73572
Apollophanes	42951	Amauropidius	73573*	Ceratispa (Papuipisa) n sgen	73572
Arundognatha n g	94803*	Amblyrrhinus	105636*	Ceratoderus	53252
Atrax	105563	Amblystomus	42959*	Cerobates	14510*
Carorita n g	94706	Amelinus	73607	Chaetocnema	14562* 43006*
Chrysopelma n g	83803*	Amphimallon	5192*	94905*	
Cyrtarachne	14478	Amphithetobrentus n g	5140*	Chalcoplonyx n g	23579*
Dysdera	33044*	Anacaena	105667*	Chariotheca	105613
Dysderina	83803*	Anadastus	23578*	Chauliognathus	105630 105631
Gossiblemma n g	83803*	Anaspis	94856*	Chironitis	63908*
Heliophanus	94702*	Anaspis (Pinassa)	83828*	Chlamisus	94822 43237*
Helvibis	83787	Ancylocera	83823	Chlorethe	53297*
Hypochilus	14445	Ancyronyx	5142*	Choleva	94873*
Ischnothyreus	83803*	Aneflus	23593	Chrysoprasia	23629*
Loxosceles	53221	Anemadiola n g	5211*	Cimbodes	73609*
Mangora	94692	Anisopodus	94900	Clema	105620*
Microcyba	83782	Anobius	53247*	Cneorane	105617*
Misumena	42951	Anthonomus	94830	Cobosolia n g	23581*
Misumenoides	42951	Antibothrus	23616	Coccinella	73576 73590
Monaeses	42951	Aphanoccephalus	83848*	Coelophora	73576
Opopaea	83803*	Aphodius	83816* 94938*	Coilodera	63964*
Oxyptila	105546 105592	Aphodius (Allobodilus) n sgen		Colon	14569*
Paculla	83803*		94938*	Colpodes	105603* 105604*
Panamomopsides n g	23551*	Aphodius (Trigonoscelus) n sgen		Conapion	73609*
Paropilio (Rafalskia) n sgen	14476*		94938*	Copris	14522**
Pasias	42951	Aphthona	94834 94905* 94954*	Coptorhina	83816*
Pelecopsis	83782	Apion	14571* 73609*	Cosmiomorpha	63964*
Spermophora	94770*	Aplosomyx	105617*	Cosmoplatus	5216*
Strigoplus	42951	Aridohespera n g	23621	Costaroplatus n g	94930*
Tetramblemma	83803*	Aromia	53236*	Craniotus	94975
Thomisus	42951	Arthodeis	105625*	Craspedophorus	105604*
Thymoites	105572	Ascetoderes n g	23616	Cratopus	73609*
Tmarus	42951	Aspidispa	73572	Cregya	43018*
Troxochrus	83782	Ataenius	53279*	Cryphalus	105686*
Ummidia	83803*	Atheta	105672*	Cryphalus (Acryphalus) n sgen	
Xysticus	42951	Aulacoderes	83821*		105686*
Chelonethida		Aulonothroscus	14504* 94856*	Cryphalus (Jugocryphalus) n sgen	
Albiorix	33035*	105621*			105686*
Calocheiridius	83758*	Australammoecius	94938*	Cryptocephalus	23621
Chthonius	94726* 94787*	Australothelais n g	94825*	Cryptophagus	5130* 94876*
105548*		Austranoplium n g	53241	Cryptophilus	5130*
Dactylochelifer	105548*	Austrophanes n g	53241	Cybocephalus	94854*
Garyops	14441	Axinoscymnus n g	83850	Cychrotonus	73609*
Geogarypus	73508*	Barbaropus	23578*	Cyclocephala	94853*
Hysterochelifer	105548*	Baris	33129*	Cyclodinus	94828*
Idiogaryops n g	14441	Barynotellus n g	73609*	Cylindrothorax	94892*
Kleptochthonius	83796	Basicryptus	5199*	Cymindis	94887*
Lasiochernes	105548*	Basilepta	94833*	Dactylispa	73572 23624* 105618*
Microcreagris	83757 105548*	Belopus	63955*	Dailognatha	63955*
Paraliochthonius	23556	Bembidion	105603*	Danae	14568
Pseudochiridium	42924	Beneshius	94990*	Decaria	14562*
Pseudochthonius	23556	Bioxylius	53253	Deliphrosoma	94904*
Sundochernes	73508*	Bironellia n g	94879*	Delopleurus	94862*
Tridenchthonius	23556	Blaps	63955*	Demarziella	94938*
Chilopoda		Bledius	53276	Dendroctonus	83912
Campylostigmus	94701*	Blosyrosoma n g	73609*	Denticoloides n g	63925*

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.

	Item		Item		Item
New taxa (entomology)-- Cont		New taxa (entomology)-- Cont		New taxa (entomology)-- Cont	
Coleoptera--cont		Coleoptera--cont		Coleoptera--cont	
Deretrichia	63972	Heteroceruss	14503	Mimidendrulus	33079
Dermatohomoeus n g	94958	94934*	94832	Mimiophthorus	23618
Deserida n g	14498*	Heterotyphlus n g	94838*	Mimips	94953*
Desmatogaster n g	14535	Hispodonta	73572	Mimonthophagus n g	63908*
Diaecoderus	73609*	Holossus	14518*	Mimotemnosterus	94825*
Dialytes	94938*	Homeotyphlus n g	94838*	Mimozygocera n g	94825*
Dianous	42975*	Homopteruss	53239*	Mitotagenia	5163*
Diastictus	94938*	Hoplasoma	94834	Mixaderus	23581*
Diatrechus	73607	Hoplonyx	5123*	Monolepta	5203
Dibolia	43024*	Horniolus	23580*	94905*	23621
Dicerca	83874	Hydraena	14527*	Montiaphthona	94954*
Dichillus	63955*	Hydretus	42969*	Mordeila	94856*
Dicladispa	23624*	Hydrochus	94812	Mordellistena	14515*
Dirrhagus	53253	Hydroporus	42989*	94856*	94833*
Dissochaetus	94972*	Hydrovatus	14552	Morphosphaera	14568
Downesia	23624*	Hyllisia	42962*	Mychothenus	14510*
Drapetes	105621*	Hylophonyx	5123*	Mygaleicus	105602*
Drasterius	94836*	Hyphantus	53293	Mylabris	5189*
Drepanocerus	14494*	Hypophypurus	33129*	Myodermides n g	94951*
Drilus	73610*	Hypsomias	73609*	Myrcina	14562*
Dromica	63910*	Hypsomias (Parypsomias) n sgen	73609*	Myzomorphus	5216*
Dromius	73556*	Idiophyes	14568	Nataloplonyx	5123*
Drypta	14498*	Indalmus	14568	Necrophiloides	94878*
Duvaliomimus	105612	Ipselissus	94937*	Negrelia n g	94837*
Duvalius	94885*	Isanates	73609*	Nematocerus	73609*
Dyschirius	94887*	Isacrida	14499*	Nematodes	53253
Eburodacrys	63983*	Ischnispa n g	73572	Nemoplonyx	5123*
Egesina	94824*	Jauravia	94889	Neobisnius	94964*
Eleodes	94974	Jaxartiulus	53265*	Neobrydibatus n g	105636*
Elytrotetrantus	5154*	Klapperichianellia n g	94877*	Neoclytus	14583*
Elytrotetrantus (Anaulakous) n sgen	5154*	Laccophilus	14581	Neodryocoetes	94952*
Endeodes	73591	Lanurgus	43022*	Neodrypta n g	14498*
Enischnispa	73572	Laparocerus	83882*	Neoeurygenius n g	5117
Entomoculia	23597*	Larinus	105636*	Neonomius n g	14549
Epaphiama n g	94886*	Lascotrichus n g	23616	Neoplonyx n g	23579*
Epaphius	94886*	Lasiocera	63910*	Neorhohelmis	53283
Epaphius (Epaphiolus) n sgen	94886*	Lebia	23582*	Nesiodrypta	14498*
Epicauta	94886*	Lepialtica n g	14562*	Nisotra	94954*
Epilachna	73576	Lepidiota	83822	Nocar	105613
94866*	105640	Leptepaphiama n g	94886*	Notiophygus	5153*
Epimelitta	63983*	Leptotyphlus	23597*	Notonomus	94920
Epirinus	94861*	Leptusa (Pachygluta)	83857*	Nototarus	94920
Episphales	94845*	Leucopholis	94861*	Nyssodrys	94900
Erebtrechus n g	105612	Liliocerus	94835	Nyssodrystes n n	83836
Erichsonius	73607	Limnius	23583*	Nyssosternus n g	83836
Ertliana n n	94957	Liparochnus	94940*	Nzerekorena	14562*
Eryssamena	94825*	Lipostratia	14495*	Oberia	94848*
Escalerosia	23581*	Lissomus	105621*	Ochthebius	53282
Eucatops	94972*	Lissotes	14525	Octavia	63943
Eucnecosum	94904*	Loborus	5130*	Odontocera	23630*
Euparia	53279*	Longitarsus	14532*	Oenopia	73576
Eupezoplonyx	23579*	94833* 94905*	14562*	Olotelus	23581*
Euryopa	23627*	Louwerensia n g	94891*	Ommata	23630*
Exocentrus (Pseudocentrus)	94826*	Luciola	94908	Ommocerus	43028*
Exopetalium n g	5147*	Luperodes	5203	Omotonus n g	42969*
Faehraeus n g	23579*	Luperus	105622*	Onthophagus	63908*
Falsoplonyx n g	23579*	Luperus (Calomicrus)	94905*	94862*	83816*
Fornax	53253	Macrocheilus	14497*	Oreodera	63983*
Fratthenoticus n g	5130*	Macrocheilus	94887*	Orfilaia	94845*
Gabonia	94954*	Macrodactylus	94861*	Orphanobrentus n g	5141*
Gabrieus	73607	Malobidion	53241	Orthochaetes	105637*
Gabronthus	73607	Malthodes	83832	Orthocrepis	94954*
Gambrinus	63962	Mamakius n g	23616	Osmopleura n g	105649
Gastrallus	5147*	Manobia	14562*	Otiorynchus	94809*
Glycyphana	63964*	Mastax	94887*	Oulema	23621
Gnathocera	83884*	Mastinocerus	23627*	Oulimnius	23583*
Gnathosia	63955*	Mastoremus	73550	Oxathridia n g	83836
Gonocephalum	23578*	Mecometopus	14583*	Oxygonus	94948
Gonocnemis	94808*	Mediafra	14562*	Oxymastinocerus n g	23627*
Gonophora	73572	Megacephala	94911*	Oxytelus	94904*
Gridellius n g	14521*	Megacolibus	53270	Pabula	23616
Guignotus	5181*	Megacyllene	5176	Pachyelmis	33084*
Gynandrophthalma	23621	Melasis	53253	Pagurodactylus	73610*
Gyrocaria	83819*	Meligethes	53246	Paracardiophorus	94836*
Haltica	94905*	Menorosia	23581*	Paracymus	83869
Hapalips	5130*	Mesocolon	5211*	Paradromius	73556*
Haplidus	53241	Mesocrepis n g	94954*	Paraenidea	94868
Harpalus	33076	Mesomorphus	5163*	Parahelops	94894*
Hectarthrum	33103	Mesosa	94985*	Paralati sternum n g	94825*
Hedybiinus	73610*	Metadromius	94915*	Paratrypanidius n g	83836
Henoticus	5130*	Metapinophilus	14521*	Paratyphlus	23597*
Heptophylla	53274	Methia	63916	Paravelleda	42962*
Heteraneflus n g	53241	Methioeme n g	5216*	Parazuphium	23582*
		Miaena	94825*	Parapaphius n g	94886*
		Microdinodes	5142*	Paroxyonyx	105636*
		Microprius	23616	Patrizia	23582*

\*Text of this reference is not in English.



Item		Item		Item	
New taxa (entomology)-- Cont		New taxa (entomology)-- Cont		New taxa (entomology)-- Cont	
Coleoptera--cont		Coleoptera--cont		Coleoptera--cont	
Paussus	53240*	Sampsonius	94930*	Tricorynus	43040
Paussus (Marshallipausus)		Sarticus	94920	Trigonophorus	94918*
Pedaria	105615*	Sassaka n g	23616	Trigonotoma	94970*
Pedecium	63908*	Schismatops	5199*	Triodonta	33077* 33078*
Pentaphyllus	33124*	Scopaeus	105672*	Triplax	23594
Pedilus	5163*	Scopodes	5184*	Trochalus	94861*
Peschetius	105601*	Scortizus	94990*	Trogoderma	94816
Phanaeus	94933	Scutellathous	63962	Tropideres	83844*
Phanaeus	94861*	Scymnus	53235*	Tshibalaka n g	5199*
Phayla	94955*	Sebaethe	14562*	Tuberothelais n g	94825*
Philonthus 73607	94902*	Selasia	73610*	Turellus	63943
Philonthus (Onychophilonthus)		Serangium	53272	Ulocerus	63937*
		Serixia	94985*	Usechus	83851
Philostratus n g	94962*	Sesquisphaera	14562*	Uvarus	5181*
Phinopilus	94993	Setosophrioniella	94825*	Viticis	94992
Phioxothrix	14521*	Shekarus n g	23616	Vutsimus	23579*
Phloeozeteus	23627*	Shensia n g	105617*	Xantholinus	23598*
Pholeodytes	63910* 94887*	Siagona	23582*	Xenocrasis	23630*
Photinoides n g	105612	Singhikalia n g	73576	Xenotyphlus n g	94838*
Photinus	83866	Singilis	73556*	Xeranoplum	53241
Phratora	94908	Sinoxylon	43021	Xorathes n g	83836
Phygasia	94833*	Sitaphe n g	14549	Xyleborus	33079 43022*
Phyllobrotica	14562*	Sphaeroderma	14562*		
Phyllotreta	94834	Sphenoptera	94932*	Xylocleptes	33079
Phymatodes	94954*	Sphingopalpus	73610*	Xylopertha	53281
Phytodecta	5176	Sprecodes n g	23616	Yola	5181*
Pinacotarsus	73587*	Stator	14528	Yunomela n g	105617*
Pinocharis n g	63908*	Stenalia	94856*	Zarcosia	23581*
Pinogalus n g	14521*	Stenellipsis	94825*	Zuphium	23582*
Pinophilinus	14521*	Stenelmis	5142*	Zyras	5173 14539
Pinophilus	14521*	Stenocallida	23582*		
Pinoragus n g	14521*	Stenohelops	105628*	Collembola	
Pinoritus n g	14521*	Stenophrixothrix n g	23627*	Arrhopalites	14985 106154*
Placoeme n g	63916	Stenotarsus	14568	Clingmantha n g	15002
Platambus	94869*	Stenus	105672*	Collophora	84213*
Platolenes	105613	Sternechus	43008*	Corynephoria	14985
Platypocnemis n g	83829*	Stigmodera	73566	Cosberella n g	15002
Platyprosopus	83870	Stilicopsis	5149*	Folsomides	53568
Platypsorodes n g	23579*	Stilicus	14519*	Isotomodes	84214*
Plesispa	73572	Stizocera	23629*	Neoprosplanura n g	15002
Podagrica	94954*	Striomiaena n g	94825*	Neotropiella	95648*
Potamocares	42969*	Strombophorus	33079	Onychiurus	23968 73888*
Potamogethes n g	42969*	Stuckenberiana n g	94954*		
Potamolatre n g	42969*	Styloxus	63916	Orchesella	33507
Potosia	94918*	Styphloderes (Parastyphloderes)		Papirinus	5612*
Potosia (Oreopotosia) n sgen		n sgen	83882*	Polyphenella n g	23568
		Subexocentrus n g	94825*	Polyxenellidae n fam	23568
Prionispa	94918*	Subleptospyris	73609*	Proctostephanus	106117*
Pristolycus	73572	Syagrus	23621	Proisotoma	84217*
Prodontia	53278	Sybra	94825*	Schaefferia	15002 73888*
Prosodes	83827	Syllectus	105612	Sminthurides	43383
Prosopius	63955*	Synchita	23616	Tomocerus	23944*
Prostaphus	42962* 94825*	Synia	83820*	Tullbergia	73888*
Protaetia	73610* 63964*	Systates	73609*	Xenylla	23965* 95623* 95674*
Prototyphlus n g	94838*	Systates (Halosystates) n sgen			
Pseudispella	23624*			Diplopoda	
Pseudivongius	5203	Tachygonus	73609*	Alloproctus	5070*
Pseudoacacicus n g	5169*	Tachys	94887*	Ampelodesmus	105583*
Pseudodellamora	105672*	Tachyusa	94887*	Anurostreptus	83768*
Pseudomastinocerus n g	105672*	Tanybria n n	105675	Arvechambus n g	94689
Pseudomygaleicus	73609*	Tanymecus	73609*	Carlogonus n g	83768*
Pseudoptilinus n g	23627*	Taphius	23621	Cornugonus n g	83768*
Pseudosaproecius	14510*	Tapinomorphus	73609*	Cranogona	105575*
Pseudotrechiama (Hemitrechiama)	14541*	Taximastinocerus n g	23627*	Cystogonopus n g	83768*
n sgen	83816*	Telotyphlus n g	94838*	Fageostreptus n g	83768*
Psylliodes	94834	Teredolaemus	23616	Falcigonopus n g	83768*
Pteroloma	83843*	Tetragonoderus	94887*	Fusiulus	53228
Pterostichus	94896* 94970*	Texamaurops n g	94814	Gonoplectus	83768*
105603* 105604*		Thallisellodes	23595	Junceustreptinae n sfam	83768*
Pterostichus (Scaritomorphus)		Theobromaphilus n g	23603*	Junceustreptus n g	83768*
n sgen		Theprisa n g	14549	Lamellostreptus n g	83768*
Ptilinus	94896*	Throscus	14504* 105621*	Lyrranea n g	14442
Ptorthodius	73596*	Thyreopterinus	63910*	Monographis	73510*
Pullus	23627*	Timogebienus n g	23579*	Oenomaea n g	94728
Pycnoplectus	73576	Tmesiphorus	43004*	Opiona	83762
Pyrrhalta	33130	Tomarops	5130*	Organognathus	83768*
Quarternio n g	105617*	Tomoglossa	33120*	Pacificosoma n g	14474
Quedius	73582	Trachelophora	42962*	Probolocryptus n g	33051
Raphetis n g	94904*	Trechus	83825* 94884*	Remulopygus n g	83768*
Rhadine	14549	Trephisa n g	94885*	Rhynchoproctinae n sfam	83768*
Rhagocneme	73560*	Trichinopus	14549	Saroxenus	73510*
Rhomboidederes n g	94861*	Trichiopsammobius n g	94938*	Sculptulitreptus n g	83768*
Rhomborrhina	23629*	Trichiorhyssemus	94838*	Silvestrius	73510*
Rudolphia	63964* 94918*	Trichochlaenius	63909*	Speoseya n g	83762
Rusadiria	23621	Trichodes	73555*	Spinotarsus	94729
Saegerosia n g	23576*	Trichotheca	83911*	Sumatreuma n g	23557
	23581*		94833*		

\*Text of this reference is not in English.

Item			Item			Item		
New taxa (entomology)-- Cont			New taxa (entomology)-- Cont			New taxa (entomology)-- Cont		
Diplopoda-- cont			Diptera-- cont			Diptera-- cont		
Thyropisthus (Duplopisthus)			Dissoptera	83994		Macrurohelea		14639
n sgen	83768*		Distichophora	14595		Manoa n g		95024*
Thyropisthus (Spoliatogonus)			Dolichopeza	33135		Mansonia		14703
n sgen	83768*		Dolichopus	53326		Maruina		43121*
Thyropygus	83768*		Dorilas	23668		Medina		84009*
Thyropygus (Spissustreptus)			Dorylomorpha	5267		Megaselia		14595
n sgen	83768*		Draperis	14672		Melanagromyza	14674	23696
Tongodesmus n g	14474		Drosophila	63997		23700 64050	73670	95078
Trigonostreptus n g	83768*		Elephantomyia	63985		95084 105770		
Tuberogonus n g	83768*		Empis	95010		Metamyia n g		23634
Diptera			Endemimyia	23654		Metasyrphus		83994
Acanthopleura	14630*	105727*	Enrogalia	95072		Metopina		14595
Acropsilus		64040	Epacteon n g	14595		Metopomyza		23700
Adoxomyia		95021*	Epistrophe	83994		Metropina		14691*
Aedes	14703	33231	Erioptera	94996		Microdon		83994
Aedes (Ochlerotatus)		84019	Eristalis	83994		Microphorella		73625
Afroleptomydas		53305*	Ethiolimnia	23702*		Minthodexiopsis		95072
Afromelittodes n g		14655	Etsunoa n g	43074*		Mochlosoma		95072
Afromydas n g		53305*	Eubrachymera	95072		Monohela	73684	105706*
Agromyza	23700	95078	Euhelioprosopa n g	95073		Mycetophila		64017
105749* 105770*			Euhybos	14672		Mycodiplosis		83968*
Aidomyia		83957	Eumerus	83994	83995*	Napomyza		14674
Alophora		95019	Euriparia		5297*	Nearchus n g		95072
Anopheles (Cellia)		73691	Evaiza		83957	Nemotelus		23667
Anthrax	83969	14614*	Exoprosopa	5263*	14614*	Neoepidesma		95092
Antocha		33135	Exorista		105705*	Neoitamus	5310*	95061*
Aphiura		14595	Fengia n g		73667*	Neolasioptera		105743*
Apiocera		83923	Forcipomyia		73671	Neomaruina n g		95101
Aplomyiopsis		95072	Forcipomyia (Lasiohelea)		73671	Neomochtherus		95100*
Arceuthomyia		43074*	Frutillaria		73665	Nepalomyia n g		105725
Archiborborus		33188	Geron		14596	Nephrotoma	73612	94997
Argyra		105725	Giraudiella		83968*	Neurigona		53326
Argyrophylax		23652	Gnophomyia		33135	Notogramma (Euacaina) n sgen		14680
Artemita		83957	Gonia		23671*	Ophiomyia	14674	23700
Atarba		33135	Gonomyia	33135	63985	64050 95078		
Austrolimnophila		73612	Graptomyza		83994	Opomyza		33199
Auxanommattidia		5236*	Gymnocarcelia		95072	Ormosia		94999
Bactropalpus n g		14594	Gynandromyia		23703*	Ortalotrypeta		105727*
Beameromyia		23656	Haematopota		73663	Palilogia n g		95072
Bellieria		73633*	Haplomyza		23700	Paracilius		84008*
Blaesoxypa		105777*	Heliodorus n g		95072	Parasarcophaga		73633*
Blepharocera		23688	Helioprosopa		95073	Parasimulium		95094
Bolbomyia		95009	Helius	63985	94996	Paratropeza n g		105752
Bombylius		14596	Helius (Rhyncholimonia) n sgen		63985	Parochthiphila		43118*
Brachycara		83957	Hemipenthes		53366*	Peckia		95016
Brachydeutera		33212	Hendelopyrgota n g		14691*	Pegomya		105710*
Cadurcia		23703*	Hercostomus	53326	105725	Pelastoneurus		84008*
Camponeuromyia		83968*	84008*			Pelopia		95074
Campopteromyia		83957	Heteroleptomys n g		53305*	Peltacanthina		95092
Campylocera		14691*	Hexamela n g		105727*	Peltodasia		14691*
Cephalocera		53305*	Holoclera		5234*	Pericoma		84007*
Cephalochrysa		83957	Hyalurgus		105704*	Peropsis		23703*
Cephaloplagia n g		95072	Hydrophorus		53326	Phalacrocer		94996
Cephenius	95081*	95083*	Hyperecteina		5237*	Pherbellia		33198
Cerdistus		95061*	Hypotyphlina		14691*	Philornis		53316
Cerodontha		23700	Isodiplosis		14653	Philosepedon		95103*
Ceroptera		33188	Japanagromyza	23700	95078	Phlebotomus	5290	33174
Chaetoscelis n g		5297*	Lamatia		73679*	53346* 64027* 95105*		105731*
Chaetostevenia		14661*	Lasioptera		83968*	Phlebotomus (Pifanomyia) n sgen		53346*
Cheilosia		83999*	Lathrophthalmus		83994	Phorocerosoma		23703*
Cheilotrichia		94996	Leptilla n g		14595	Phyllolabis		94997
Chrysops		73663	Leptocera	33188	105759	Phytagromyza	23696	95078
Chrysotimus		105725	Leptoceromyia n g		84013*	Phytobia	14624	14674
Chrysotus	53326	105725	Leptoconops (Holoconops)		95114*	64050 95078		23700
Cnephia	5338	23653*	Leptogaster		23656	Phytoliriomyza	14674	23700
Cochisemyia n g		95072	Leptotherva n g		95082*	64050 73670		
Colonomyria n g		14604	Leucopis		5321	Phytomyza	14674	64050
Coloradomyia n g		23634	Limnophila	33134	53299	105770 53329*	95065*	
Condylostylus		84008*	Limonia	14652	33135	Pilaria		33135
Congopyrgota		14691*	73612 94997	95099		Pipunculus		5267
Copromyza		105759	Linnaemya	23671*	84013*	Platycephalisca		5297*
Ctenachroscelis	23632	94997	Lipoptena		105757	Platypalpus		5234*
Culex	5344*	95132*	Lipoptena (Lipoptenella)		63994	Platyura		64017
Culicoides	5266	14640	Lipsothrix		94999	Plecia		23668
53325 83935	83944	53317*	Liriomyza	5324	14674	Podophysa		95036*
73653* 105785*			23700 33156	64050	53329*	Polystepha		83968*
Culiseta		14703	Lispocephala		33144	Prohypotyphla		14691*
Cydistomyia (Tabanotelum)		53345	Litoleptis n g		95009	Proselenus n g		95072
Cylindrotoma		94996	Lonchoptera		14685	Proterodiplosis n g		5340
Dasybasis		33145	Lucilia		83957	Protohelius		94996
Dasyballomyia		94996	Lutzomyia	23682*	23683*	Pseudacteon		43052*
Diaphorus	53326	105725	Lygiohypotyphla		14691*	Pseudolimnophila		33135
Diarrhagma		105727*	Machimus		14630*	Pseudonapomyza	14674	73670
Diasteneura		14691*	Macrocer		14603	95078		
Dicranota		94999	Macrostromus		14672			
Dioctria		95061*						

\*Text of this reference is not in English.



Item			Item			Item		
New taxa (entomology)-- Cont			New taxa (entomology)-- Cont			New taxa (entomology)-- Cont		
Diptera-- cont			Ephemeroptera-- cont			Hemiptera-- cont		
Pseudothaumatomyia n g	5297*		Baetis	95637	5619*	Cordysceles n g		95201*
Psilonyx	23656		Epeorus		95637	Cornimylus		73702*
Pterempis	5234*		Ephemera	5601	95637	Coryzoplatys		95228*
Ptochomyza	105770*		Neophemera		5619*	Craspedolepta	5404*	64105*
Radinoderus	14605		Pseudocentropilum		73892*	Creontiades		95200*
Rhabdomastix	94996		Pseudocloeon		5619*	Cryptoripersia		53410
Rhaphomyia (Neocota)	95090		Torleya		5619*	Ctenoneurus		95194
Rhopalomyia	43074*		Hemiptera			Cystechila		95183
Rioxa	105727*		Acanthaspidiotus n g		53383	Dactynotus		23760
Rioxoptilona	105727*		Acestra		95201*	Dasygnosis n g		95199*
Rohdendorfsia n g	73633*		Acetropis (Paracetropis) n sgen			Dasygnus		95199*
Ruebssaamenia	73669		Acutaspis		105836	Daulocoris		105827*
Sabethes	43131*		Aecalus n g		53408	Dendezia n g		95245
Salticella	23702*		Aeschyntelus		95201*	Deraeocoris	105840	14777*
Sarcophaga	23654		Aethalotus		23769	Deraeocoris (Knightocapsus)		
Saropogon	14630*		Afraethalotus n g		23769	n sgen		33289*
Sepedomyia	23702*		Afrovertanus n g		73723	Deraeocoris (Phaeocapsus) n sgen		
Sepedon	14692*		Agallia		33264	Derepteryx		33289*
Serromyia	105706*		Agalliopsis		33264	Diaphorina		95201*
Shizukoa	95078		Agrophaspis n g		53383	Diaspidiotus	53411	105836
Simulium	5338	5218*	Aleurocybotus		95240	Diaspis		53411
64009*		5291*	Allocentrum		95245	Diclidophlebia		43184
Siphona		14649*	Anakelis n g		64131*	Dictyonota		64129*
Siridapha		14691*	Anaspidiotus n g		53383	Didymocephalus		14775*
Sobarocephala		5323	Andaspis		95273	Dieuches		14736
Socorromyia h g		95016	Andobocoris n g		95194	Distantada n g		43170
Stilobezzia		105706*	Aneurys		105827*	Ditropsis n g		64131*
Stylogaster		53358	Angilia		23763*	Domnus		5430*
Styrgomyia	63985		Anhomoeus n g		95201*	Dragonana		95174
Sympycnus		105725	Anisococcus		53410	Drakiessa		5402
Synapha		64017	Anisops		5403	Duplachionaspis		73702*
Syneches		14672	Annulaspis		53411	Durevius n g		73733*
Syneurina n g		14595	Anomalopsyllinae n sfam		95262	Dysmicoccus		53410
Syntormon		105725	Anthelococcus n g		53410	Ectrichodia		5430*
Syrirta		83994	Aonidomytilus		105836	Elasmoscelis		23773*
Syrphocheilosia n g		83995*	Aphelocheirus		23763*	Elymodelphax n g		64131*
Systropus	14596	53347	Aphrodes		95215	Emblethis		95246*
Tabanus		5229*	Arbela		105826*	Emydcoris		5402
Tachytrechus	53326	105725	Arctorthesia		5400*	Epiroderoides n g		95261*
Tanytarsus	105732	105724*	Argolis		73732*	Eremocoris	73723	14746*
Tarassophorus n g		95072	Armatus		105828*	Eriococcus	105841	105842
Telmatogeton		33186*	Arthenis		105865*	Erythroneura		14746*
Telmatoscopus	43077*	84007*	Ascopus n g		105828*	Ethaltomarus n g		95245
95103*			Astacops		23769	Eucornuaspis		73702*
Tephritopypotyphla n g		14691*	Atactocoris n g		95209	Eugyria n g		14749*
Tephritopyrgota		14691*	Atractotomus		14735	Eulepidosaphes n g		53383
Tetanocera	33198	43112*	Australodemus n g		84051	Eumyzus		84059
Tetisimulium n g		5291*	Balanococcus		53410	Eupteryx		95179
Thaumastoptera		94999	Batrachomorphus		23757	Eurogallia		33264
Themara		105727*	Befotaka n g		95261*	Eurya		14747*
Themira		43059*	Belostoma	73703	105837	Euscopus		105828*
Thereva		105725	Bergrothiessa		64106	Exosehirus n g		95266*
Thrysocanthus		5307	Betulaphis		14756*	Falcidius		14747*
Thyridanthrax	14596	53366*	Blastocaena n g		53408	Fontathanus n g		95245
Tipula	73612	94997	Bocundostethus n g		73723	Fullawaya (Pseudopterocomma)		
94999	5291*	95080*	Brachycaudus (Brevicaudus)			n sgen		64112
Tipula (Dendrotipula) n sgen		95080*	n sgen		73724*	Garamans n g		23744*
Tipula (Geotipula) n sgen		95080*	Caia n g		95273	Geoca		14756*
Tomosvaryella	5267	23668	Callidelphax n g		64131*	Gomphaspidiotus n g		53383
Toracca		14606	Calligypona		14746*	Gonopsis		53418*
Toxorhina		63985	Calliscarta		14743	Gorpis		105826*
Trentepohlia		63985	Canthophorus		73701*	Gravestiniella n g		64131*
Tricholapa		33197*	Carpocoris		95259*	Grunchia n g		23757
Trichopticoidea		53328*	Carvalhoiella n g		64083*	Grypocephalus n g		95201*
Trichoscelis		14592*	Carventus		95194	Gyria		14749*
Triodontopyga		64054	Catullaria		14771*	Halobates		95193
Tripteroides	5358	105796*	Cavelerius		84052	Halonabis		105826*
Udumbaria n g		95029	Censorinus		73733*	Handianus		95179*
Uranotaenia	14712	33234	Chaetophyes		53408	Harpocera		95264*
53376			Chaetosiphon		23766	Hebrus		84047*
Villa		14596	Chinacapsus n g		14746*	Heinsius		84051
Winthemia		64054	Chlorita		95179*	Helaspis n g		53411
Xylota		83994	Chloronana n g		95175	Helicococcus	53410	14722*
Yunacantha n g		105727*	Chorizococcus		53410	Hemitricphora		43164*
Embioptera			Cinara		95197	Hemitropis		14747*
Austrolembia n g		84232	Cinyphus		105835	Henicocephaloides n g		95261*
Austrolembiidae n fam		84232	Classeyna n g		95194	Henricodohrnia		73723
Entotrophi			Cleptocoris		5430*	Hesperocimex		14763
Austrjapyx	53591		Cletomorpha		95201*	Hesperoctenes		33279*
Ctenojapyx	73902		Cligenes		105852	Himacerus		105826*
Hecajapyx	73903		Cloresmus	95198*	95201*	Hindola		53408
Penjapyx	95625		Clovio		14770*	Hindola (Platycotta) n sgen		53408
Teljapyx	95625		Cnidus		14769*	Hoberlandtia		73733
Ephemeroptera			Conala		14743	Hoffmannocoris		5430*
Austremerella n g		84231	Conosthetus		95263*	Homoeocerus	95199*	95201*
			Contigaspis		5381*			
			Coranus	73706*	95178*			

\*Text of this reference is not in English.

	Item		Item		Item
New taxa (entomology)-- Cont		New taxa (entomology)-- Cont		New taxa (entomology)-- Cont	
Hemiptera-- cont		Hemiptera-- cont		Hemiptera-- cont	
Hoplitocoris	14775*	Neuroctenus	105827*	Rastrococcus	53410
Humococcus	53410	Neuromachaeota	53408	Reduvius	53389*
Hydarella	95201*	Nidicola	95182	Remaudiereana	95245
Hygia	95201*	Nocellochromus n g	95245	Reuteriella n g	95200*
Ibexocoris n g	95245	Notapictinus	64106	Rhaphidosoma	73732*
Idiocerus	84038	Notobitiella n g	95201*	Rhinogaster	14751
Ilacora	53405	Notobitus	95201*	Rhizopulvinaria	14722*
Insulaspis	73702*	Notoplocaptera	5402	Rhobala n g	14743
Ischnodemus	73723	Notoplocoris	5402	Rhyparochromus	95203*
Jassargus	95219*	Notopteryx n g	95199*	Rhyparochromus (Aellopideus)	
Jassosqualus n g	73713	Numicia	14771*	n sgen	95247*
Jingkara n g	105818*	Nysius	5374	Rhyparochromus (Microtomideus)	
Kanadyana n g	95245	Ochrochira	95199*		95247*
Kelaino n g	5402	Odontonotus	105827*	Rhysocoris	95209
Kelainocoris n g	14742	Oncodelphax n g	64131*	Ribautodelphax n g	64131*
Kidunastethus n g	73723	Oncopsis	95179*	Robertiessa n g	95194
Kormilevia	5402	Onukiades n g	53398	Rodepirea n g	95261*
Kosswigianella n g	64131*	Opsius	14747*	Rollathemus n g	95245
Krocobella n g	73713	Oravelia n g	33254	Romachaeta n g	53408
Krocodona n g	73713	Oronabis n g	105826*	Rungisia	14756*
Krocozzota n g	73713	Orthezia	5400*	Saissetia	33253
Kybos	95179*	Orthotylus	64130*	Salaciola	73723
Labidaspis n g	53383	Ovaticoccus	84046	Sastrapada	95260*
Labrosyne n g	53408	Pachyopsis	23757	Scaptococcus n g	53410
Laingaspis n g	53383	Pachysandalus	73732*	Scaralis	43164*
Lasiosomus	73723	Paracalauria n g	14749*	Scaroidana	23757
Lecanium	43161	Paradasymus	95199*	Schidium	73732*
Lepidargyrus n g	5411*	Paradelphacodes n g	64131*	Sclerosococcus	53411
Leptarciella	14769*	Paraidioscopus n g	95226	Scolopostethus	73723
Leptopharsa	95183	Paralepidosaphes	73702*	Scopiastes	23769
Lestomerus	73732*	Paramictis n g	95201*	Selenochilus n g	95238
Lethaeus	73723	Paranoecia n g	95252	Sepidiocoris	53418*
Lindbergocapsus n g	105852	Paranukia n g	53398	Serinetha	95201*
Lindingaspis	14746*	Paraphysoderes n g	95261*	Serranegra	95245
Llaimacoris n g	95209	Parapudaspis n g	73702*	Sigara	14739
Loniceraphis n g	5415*	Paratrioza	95208*	Sigara (Antisigara) n sgen	53401
Lophops	23773*	Parlatoria	73702*	Sigmatoma	53408
Lygus	105840	Pectinariophyes	53408	Sinodasynus n g	95199*
Lystrenia n g	53391	Pemphigus	95253	Sinotagus	95199*
Machaeopsis	53408	Pentoffia n g	73713	Sphedanovarus	73733*
Machaeota	53408	Perilecanium n g	23748*	Spilostethus	73723
Macrocephalus	14742	Perubala	14743	Stenoblissus n g	95269*
Macrocorsa n g	95262	Petilia	95201*	Stenolemus	5390*
Macropsidius	64088	Petilocoris	95199*	Stenonabis	95205*
Macropsis	95179*	Phaconeura	43157	Stephanitis	84061
Macrosiphoniella	84060	Phenacaspis	105836	Sthenarus	95264*
Macrosiphoniella (Papillomyzus)		Phenacoccus	14772*	Stilbocoris	73723
n sgen	95256*	Phyllocephala	53418*	Stiromella n g	64131*
Macrosteles	14747*	Phymata	14742	Struebingianella n g	64131*
Malacotes	95264*	Physoderoides	95261*	Sudra	95211
Malezonotus	33245	Phytocoris	14746*	Syndesmophlebia n g	95262
Marganana	95172			Systellonotopsis	5417
Maroantsetra n g	95261*	Pictinellus	105827*	Taihorina	53408
Masoas	73723	Pictinus	64106	Tananarivea	95194
Mecomma	53393	Pinaspis	73730	Tapinacaena n g	53408
Megacoelum	95200*	Pinomytilus	73702*	Tarahashiella n g	73702*
Megadelphax n g	64131*	Pionosomus	14746*	Thoria	53418*
Megalodactylus	95265*	Plagiognathus	84062*	Thuleaphis	95202
Metacanthus	95254	Platycranus	95268*	Tingis	95184
Metadelphax n g	64131*	Platymachaeota	53408	Tinicephalus	95268*
Metadieuches	95245	Platymetopius	95179*	Triatoma	53417
Metandaspis n g	95273	Platynogomiriodes n g	33256	Tribeloccephaloides n g	95261*
Metapsylla	43168	Plinthisus	73723	Trigonurella n g	53408
Metropis	95180*	Ploearia	53388*	Triozamia n g	95262
Mezira	95194	Poeantius	14736	Tropidocephala	95180*
105827*	95209	Polycrates	95245	Tuponia	95200*
Microlugenocoris n g	73723	Polytoxus	73732*	Typhlocyba	14746*
Micromyzodium	84059	Portanus	95210	Udinia n g	33253
Micromyzus	84059	Prionolomia	95201*	Ugyops	105823
Micronecta	53392	Protrama	14756*	Ungerida	105827*
Migdilybs	95245	Pruthiorosius n g	95189	Vatinius	73732*
Mimodelasmadema n g	95261*	Psallus	14746*	Weidnerianella n g	64131*
Mlanjella	14769*	Pseudobrevicoryne	95195	Wuissa n g	105827*
Monosteira	95184	Pseudocethera	5430*	Xanthodelphax n g	64131*
Moramanga n g	73733	Pseudococcus	5379	Xiphuraspis n g	53383
Muellerianella n g	64131*	Pseudodelphacodes n g	64131*	Xyonyssius n g	5375
Muirodelphax n g	64131*	Pseudomictis n g	95201*	Yangiella n g	105827*
Myzaphis	23766	Pseudoparlatoria	53411	Zonana n g	95173
Nabis	95205*	Psibala n g	14743	Zygina	23750
Nagusta	95236*	Psylla	43168	43158	64097
Neobala	14743	Psyllopsis	95208*	Hymenoptera	
Neolethaeus	73723	Pulvinaria	95222*	Achrysocharis	53433
95245		Pygolampis	23748*	Achrysopophagus	43187
Neomacrocoris	23763*	Pyrrhopleus	73732*	Acromia n g	23812
Neophysotheres	95261*	Quadraspidiotus	105828*	Acropimpla	53424
Neotrichedocla n g	73732*	Ranatra	73703	Adelencyrtus	73776
				Ademon	84081*

\*Text of this reference is not in English.



	Item		Item		Item
New taxa (entomology)-- Cont		New taxa (entomology)-- Cont		New taxa (entomology)-- Cont	
Hymenoptera--cont		Hymenoptera--cont		Hymenoptera--cont	
Aenictus	33303	Dolichomitrus	53424	Mutilla	95311*
Agathis	43231*	Dusona 33348	33316*	Mylenyx n g	53424
Agrobombus	95354*	Echthroxylella	95317	Myrmica	23793*
Allorhynchium n g	84105	Echthroxylella	14836	Nananthidium	95335
Alloxysta	64148*	Ectemnius	14815*	Nematus	14782
Alysiaphagus n g	14835	Ectopoglossa	84105	Neochrysocharis	53433
Amasis	105886*	Elachertus	40667	Neoplectrus	53441
Aminellus	84091	Elasmus	73748*	Neotiphia	73736
Amphiprion n g	23812	Encarsia	95274	Nipponopius n g	105876*
Anaphes (Austranaphes) n sgen	64162*	Encopognathus	14815*	Nomada	95346*
Andrena 5457	43207	Endecameris n g	23814	Nortozumia	84105
Andrena (Calomelissa) n sgen	43207	Entomognathus	33324	Odonteucoila	84112
Anisodromus n g	43207	Episoda	14815*	Odontomutilla	95311*
Anospilus 95341*	95364*	Euchalinus n g	23812	Omalaspis	43209
Anterhynchium (Dirhynchium)		Eucoccidophagus n g	95317	Omphale	53433
n sgen	84105	Eucoilidea	84112	Oobius n g	84104
Anthidium	33318	Euderastichus n g	84073*	Ooencyrtus	64151
Anysis	14840*	Euderus	84073*	Ooencyrtus (Ooencyrtellus) n sgen	95317
Apenesia	105874	Eulonchopria	14825	Ooencyrtus (Ooencyrtoides)	
Aphaenogaster	23805	Euplectromorpha	73748*	n sgen	95317
Aphidius	95251	Eurys	43194	Ooencyrtus (Tatranus) n sgen	95317
Aphrastobracon	73737	Exoneurella n g	23797		
Aphytis 43188	43191	Fedtschenkia	43205*	Opidnus	64168
Aprix n g	23812	Fernaldina n g	53426	Opus 5464	33309
Aprostocetus	33320	Figites	43209	84080*	84081*
Apterogyna	33317*	Flavopimpla	53424	105876*	95302*
Aptesis	64168	Foenatopus	105872*		
Archenomus	43188	Giraudia	64168	Orancistrocerus n g	84105
Arge	43220*	Giraultella	64155*	Orasema	33319
Aroplectrus n g	53441	Glauraspida	43209	Orthocentrus	105870*
Asecodes	53433	Glyptoteleia	14841*	Oxaea	64160*
Asperellus n g	23812	Gnaptodon	84081*	Pachymelos n g	53424
Aspicera	84111	Grahamisia n g	73748*	Pachynematus	14783
Astichus (Linastichus) n sgen	84073*	Gronaulax	73737	Parastephanellus	105872*
Atilium 23781	64141*	Gronotoma	43209	Paratiphia	5435
Aulosaphes	14804	Harpegnathus	33303	Paratrigena	23799*
Austroopius 73751*	95301*	Hemiptarsenus	73748*	Pareumenes	84105
Autoplectrus	53441	Hexacola	23814	Parmortha n g	64168
Aztecantidium n g	95335	Homalotylus	95317	Pentacladocerus n g	84077*
Baltazaria n g	23812	Horcomutilla n g	23780*	Pentatermus n g	14804
Barypolynema	53447*	Hormiopus n g	64137*	Peponapis	105880
Bathyaulex	84113	Hormius	14804	Perisphincter n g	23812
Blacus	33309	Horogenes	95279*	Perithous (Hybomischos) n sgen	
Blastophagus (Tristaniella) n sgen	95307*	Hyposoter	95279*		
Blastothrix	64151	Ischnobracon n g	73737	Phaenocarpa	53424
Brachymeria	84084	Isodontia (Murrayella) n sgen	53426	Phanerotoma	33309
Callitula	73748*			Pheidole	33303
Campsomeris	84074	Isolia	14841*	Phlebotenes	33301
Cantharoctonus	14804	Isorhopalum n g	14815*	Pholema n g	53433
Casnarina	95279*	Javra	64168	Phytodietus	43189*
Cephalomutilla	64140*	Kleidotoma	23814	Piyuma	14815*
Ceramius	64164	Krombeinia	73736	Piyumoides n g	14815*
Ceraninus	53433	Labania n g	14804	Platyleptus	53441
Ceraphron	43202*	Labus	84105	Pleistodontes	105906
Ceratosolen	95309*	Leleupia n g	73748*	Pleolophus n g	64168
Charips	43209	Leptolamina n g	73783	Podium	53426
Charitopimpla	53424	Leptopilina	73741*	Polyrhachis	33303
Chrysis	105910*	Leptopimpla n g	23812	Pompilus	95341*
Chrysocharis	53433	Lestica	14815*	Praon	84102
Chyphotes	5462	Levansa n g	23812	Priocnemis 84110*	95363*
Clarissa	43194	Liebelia	5481*	105909*	
Clyparge n g	43220*	Liodontomerus	5469	Prionomitus	95317
Coccidoxenus	95277	Listrognathus (Stivadens) n sgen	23812	Prionyx	53426
Coccophagus	95274			Pristiphora	14782
Coeleumenes	84105	Lophomutilla	64139*	Promecilla	95311*
Coelinidea	84108	Lophostigma	64140*	Prospaltella	95274
Cothonaspis	84112	Lyka	14780	Pseudeucoila	23814
Crabroborus n g	84095	Maacynips n g	73783	Pseudogonatopus	43193*
Cratocryptus	64168	Macrobracon	73737	Pseudopanurgus (Heterosarus)	105901
Crossocerus	14815*	Marangua n g	73748		
Crossocerus (Paroxycrabo)	95284*	Mayridia	84077*	Pseudozumia	84105
n sgen	14815*	Mediella n g	14804	Reedomutilla n n	53446
Cubocephalus	64168	Megadineura	14782	Rhemobius	64168*
Cyrtolabus n g	84105	Megarhyssa	53424	Rhopalum	14815*
Cyrtorhyssa n g	53424	Megischus	105872*	Rhynchacis	73741*
Dasylabris	5475*	Melipona	23799*	Rhytura n g	64168
Dasyproctus	14815*	Melissodes	73760	Rogeria	14811
Deltoptila n g	73759	Mercetencyrtus n g	53452*	Sachtlebenia n g	95356
Diastephanus	105872*	Meruana n g	73748*	Scambus	53424
Dicyrtomellus	95341*	Metaplectrus	53441	Schedioides	64169*
Diglyphus	53433	Metaprionomitus	95317	Schenkia	64168
Diplolepis	5481*	Micreriodes n g	84112	Seabratilla n g	64138*
Ditanyomeria n g	95366	Microsphenus n g	84091	Secodelloidea	84073*
		Microstictia n g	5447	Smicromutilla n g	95336
		Mirotelenomus	5452*	Smicromyrme	5475*
		Monitoriella n g	14804	95320*	95311*

\*Text of this reference is not in English.

	Item		Item		Item
New taxa (entomology)--Cont		New taxa (entomology)--Cont		New taxa (entomology)--Cont	
Hymenoptera--cont		Isopoda		Lepidoptera--cont	
Smithistruma	73745	Asellus	23570	Cleora	105962
Spalangia	95288	Echinodillo	5084	Closterothrix	14903*
Sphegigaster	73748*	Haplophthalmus	105590*	Cochylis	106036
Spolas n g	23812	Philoscia	83804	Coenoteophria	23892*
Steniolia	33313	Sphaeromides	63894*	Coleophora	73844*
Stenomutilla	95311*			Colocleora	95437*
Sterictophora	43220*	Isoptera		Cosmopteryx	105936
Streblocera	64171	Beesonitermes n g	43340	Crambus	84117
Sychnostigma	53424	Foraminitermes	53575	Crasimorpha	33402
Syrphophagus	14781 95317	Grallatotermes	95608	Critobulus n g	43277*
Systasis	73748*	Indotermes	64267	Crypsithyris	105936
Taeniogonolus	14837	Operculitermes n g	106167*	Cteipolia	95455
Tenthredo	95315*	Procryptotermes	5626	Cucullia	95459*
Tetrastichus	73748*	Lepidoptera		Cyprotides n g	106053*
Thelodon n g	23812	Achaea	105962	Danielostygia n g	23895*
Thibetoides	73778*	Achaera n g	43277*	Dendrolimus	106054*
Triancyra n g	53424	Acipitilia	95556	Desmeocraera	84149*
Trichogramma	64150*	Acleris	14886	Desmeocraerula	14875*
Trichosteresis	84111	Acrasiella n g	43277*	Deutero copus	95556
Trigona	5463*	Acrasiodes n g	43277*	Diaphania	95552*
Trogaspidia	33317* 95311*	Acrocercops	105936	Diaphone	5560*
Trybliographa	84112	Aeaea	95440	Diceratura	106036
Vechtia	14815*	Aegle	23819*	Drapetides n g	43277*
Veromessor	5442	Aethes	106036	Eleuthodema n g	105936
Xanthoencyrtus	43187	Afrocerura n g	14875*	Endotricha	53512
Xenoencyrtus n g	14833	Afropteryx n g	43277*	Eoreuma	5491
Xenorhynchium n g	84105	Agapeta	105940*	Epicerura	43277*
Xerostictia n g	5447	Agathymus	95432	Epimetula	84149*
Xorides	53424	Allagrapha n g	95419	Epinotia	106036
Xylocopa	105879	Allohermenias	105936	Epitola	105982
Xylocopa (Apoxylocopa) n sgen		Allosmaitia n g	95393	Eremothyris	106058*
	105879	Ambia	64237*	Ereunetis	105936
Xylocopa (Calloxylocopa) n sgen		Anachrostis	105962	Eriophodes	14863
	105879	Anavinemina n g	95507	Erysichton	95542
Xylocopa (Cirroxylocopa) n sgen		Anexophana n g	64237*	Ethmia	106058*
	105879	Annaphila	95514	Eucosma	33429 105936 106036
Xylocopa (Cyphoxylocopa) n sgen		Aprominta	105967*	Eudaphaenura n g	5560*
	105879	Archinemapogon	84182*	Euphyciodes	64237*
Xylocopa (Dasyxylocopa) n sgen		Astaura n g	84149*	Eupithecia	14890 23892*
	105879	Atrasana	84149*	Euxanthoides	106036
Xylocopa (Diaxylocopa) n sgen		Aurelianus n g	5492	Euzophora	84123
	105879	Autosticha	105936	Excoteleia	23854
Xylocopa (Dinoxylocopa) n sgen		Bactra	105952	Falcuna n g	64232
	105879	Bactra (Spinobactra) n sgen	105952	Gadirtha	105962
Xylocopa (Epixylocopa) n sgen		Bicyclus	64230 95418 5504* 23838* 23839*	Gonionota	95391
	105879	Bireta	5524*	Gorgyra	95484
Xylocopa (Euxylocopa) n sgen		Bireta (Biraia) n sgen	5524*	Grumia	23818* 23821*
	105879	Bireta (Blennema) n sgen	5524*	Gypsonoma	106036
Xylocopa (Gnathoxylocopa) n sgen		Bireta (Curuzza) n sgen	5524*	Hadena	23822*
	105879	Bireta (Cutuza) n sgen	5524*	Hadula	23823*
Xylocopa (Hoploxylocopa) n sgen		Bireta (Dragonera) n sgen	5524*	Hampsonita n g	14875*
	105879	Bireta (Honveda) n sgen	5524*	Herbulotiana	106058*
Xylocopa (Ioxylocopa) n sgen		Bireta (Innisca) n sgen	5524*	Herpetrogramma	23883
	105879	Bireta (Liccana) n sgen	5524*	Heterosmaitia n g	95393
Xylocopa (Lieftinckella) n sgen		Bireta (Midasia) n sgen	5524*	Hewitsonia	105982
	105879	Bireta (Odnarda) n sgen	5524*	Hieromantis	105936
Xylocopa (Megaxylocopa) n sgen		Bireta (Ogulina) n sgen	5524*	Holochila	106053*
	105879	Bireta (Oraura) n sgen	5524*	Hyalochna	106058*
Xylocopa (Mimoxylcopa) n sgen		Bireta (Ottachana) n sgen	5524*	Hydraecia	23824*
	105879	Bireta (Palessa) n sgen	5524*	Hyloconis n g	73818
Xylocopa (Monoxylcopa) n sgen		Bireta (Poncetia) n sgen	5524*	Icelita n g	105936
	105879	Bireta (Ribeta) n sgen	5524*	Infurcitinea	84170* 84171*
Xylocopa (Nanoxylcopa) n sgen		Bireta (Struba) n sgen	5524*	Iodopepla n g	95543
	105879	Bireta (Suriga) N sgen	5524*	Ionolyce	95542
Xylocopa (Oxyxylcopa) n sgen		Borocera	14903*	Jambia	106065*
	105879	Bostrychogyna	84149*	Lampropygia	64237*
Xylocopa (Perixylcopa) n sgen		Brithysana n g	5560*	Laspeyresia	23870* 73816*
	105879	Callophrys	5555	Lechriolepis	14903*
Xylocopa (Prosopoxylcopa) n sgen		Calluga	105962	Lepidochrysops	43300
	105879	Cameraria	73818	Leucania	33356*
Xylocopa (Rhysoxylcopa) n sgen		Caradrina	23892*	Leucinocrambus n g	64237*
	105879	Cardepia	23820*	Libethra	14903*
Xylocopa (Xenoxylcopa) n sgen		Cardiastrea n g	23826*	Limnoecia	105936
	105879	Catalectis	105936	Liopasia	23883
Xylocopa (Xylcopina) n sgen		Celaenorrhinus	95484	Lithocolletis	73818
	105879	Celama	105962	Lobesia (Harmosma) n sgen	105952
Xylocopa (Xylcopoda) n sgen		Ceratrichia	95484		
	105879	Cerurina n g	14875*	Longiductus n g	84182*
Xylocopa (Xylcopopsis) n sgen		Charaxes	53506	Lormodes	64237*
	105879	Chasminodes	106065*	Loudonta n g	5524*
Xylocopa (Xylcopspila) n sgen		Chilo	23832	Luceria	105962
	105879	Chimoptesis n g	95501	Macaduma	105962
Xylocopa (Xylomelissa) n sgen		Chlorochadisra n g	43277*	Macalla	64237*
	105879	Chloroclystis	95437* 105973*	Macronadata	84149*
Zaglyptus	53424	Chopardiana n g	5560*	Macroseta	84149*
		Chrysopsyche	14903*	Maghadena n g	5560*

\*Text of this reference is not in English.



Item		Item		Item	
New taxa (entomology)-- Cont		New taxa (entomology)-- Cont		New taxa (entomology)-- Cont	
Lepidoptera--cont		Lepidoptera--cont		Orthoptera--cont	
Marionana	64237*	Spilonota	105936	Barracris n g	33461
Megarhtria	64237	Stathmopoda	105936	Bettotania	95594
Megastes	23883	Stenodes	106036	Calliptamus	53532
Meharia	43298	Stenostauridia	84149*	Calopterusa	84185*
Melanolophia	95508	Sterrha	23894*	Caprorhinus	14921
Melanotesia n g	95508	Stilbosis	95440	Catabothrus n g	5598
Merophyas n g	84128	Stomphastis	33445*	Chorthippus	84185*
Mesophleps	43237	Subleuconycta	23828*	Conophyma	73881* 84185*
Mesosindris n g	64237*	Syllepis	23883	Cophogryllus	73856*
Metallochloa	105962	Syllepta	64237*	Ectobius	84199* 84185*
Metisa	105950	Symmoca	95427	Egnatioides	73881*
Metriochoa	33445*	Synete	84149*	Eremogryllodes	23919*
Microscena n g	106053*	Syngamia	64237*	Eurycorypha	23920*
Microsetia	33445*	Synploca n g	95440	Gomphomastax	73881*
Miraxis n g	84117	Taeniopteryx	84149*	Gryllomorpha	23919*
Mismia n g	5524*	Tegulifera	64237*	Gryllopsis	23919* 73856*
Mniothripa	105962	Teliphasa	64237*	Hemipterisca	84185*
Mythimna	23825* 33356*	Tetralopha	23884	Heterogamodes	23919*
95380*		Thalassodes	105962 105973*	Hypsalia	23923
Nacaduba	95542	Thiodiodes n g	106022*	Jivarus	95579
Nemopogon	84182*	Tholera	95459*	Margattea	73852*
Nemaxera n g	84182*	Timora	95373*	Melanoplus	5595 23923
Neoeptola n g	105982*	Tinea	105936	Mitriccephala	95572
Neolithocolletis n g	73818	Triaxomasia n g	84182*	Mitriccephaloides n g	95572
Neoploca n g	95440	Trigonuncus	64237*	Modicogryllus	23919*
Nepheliphora n g	43277*	Vinemina	95507	Myrmecophilus	23919*
Nepotula n g	95440	Zeiraphera	106036	Napaia	33461
Nesiostrymon n g	95393	Zeuzerobotys n g	23883	Oecanthus	14938
Nhoabe	64237*	Zygaena	23908	Parabullacris n g	106076
Nippoptilia	95556	Mallophaga		Paragryllopsis n g	23919*
Noorda	64237*	Amyrsidea	23948	Paralobopoma	53526
Notocerura n g	14875*	Bruelia	23943	Parasphena	53527
Notodonta	43291*	Colpocephalum	23943 23959	Percyna n g	43318
Obithome n g	95440	53559 95657		Phyllodromica	23919*
Ochanella	14903*	Ctenigogus n g	53598*	Phymelloides n g	106086
Odontocheilopteryx	14903*	Cuculicola	53564	Pneumocris n g	106076
Odontoperas	84149*	Falcolipeurus	95683*	Pseudogeloius n g	53527
Opostega	105936	Felicola	95616	Pseudorubellia n g	53527
Oreocerura n g	14875*	Hirundiniella n g	23943	Pseudosphingonotus n g	73881*
Osmodes	73826	Horhorstiella	23943	Pyrghippus n g	53527
Oxycanus	106052	Ibidocus	106156	Pyrgomorpha	33468
Ozola	105962	Kurodaia	95656	Pyrgomorphella	53527
Pachyrhabda	105936	Menacanthus	33494*	Pyrgomorphula n g	106086
Pachyzancla	84122	Menopon	23948	Rhipipteryx	73860* 95569*
Paractenia	64237*	Philopterus	23943	Sagittacris n g	53527
Paraduba	95542	Quadriceps	53593	Saxetania	84185*
Paranemapogon n g	84182*	Trinoton	23945	Sphingonotus	95563*
Paredra	64237*	Trollipeurus n g	53598*	Symploce	73852*
Pentila	5551*	Mecoptera		Tarasmassus	14909*
Periphoebe n g	105936	Boreus	5635*	Tarbinskia	84185*
Perula	64237*	Neuroptera		Tetrixocephalus n g	14917
Pherotesia	95508	Aleuropteryx	106140	Theganopteryx	23920*
Philiris	106053*	Chrysopa	14997	Tibetacris n g	106074*
Phytala	105982	Coniocompsa	106163*	Trimerotropis	5595
Platyptilia	95556	Coniopteryx	106140 33501*	Truxalis	84185*
Porphyrosela	33445*	95599*		Uhagonia	53527
Postisalebria n g	95431*	Dimarella	14990	Phalangida	
Problepsis	95437*	Dyshemerobius	95676	Bundukia n g	73525
Progonia	105962	Myrmeleon	14996	Caelobunus	73525
Prosotas	95542	Parasemidalis	106140	Chelibunus	73525
Prouitia	23904*	Raphidia	95672	Cheops	73525
Pseudoclitia n g	105936	Rhaphidilla	95672	Cladolasma n g	23571
Pseudohadena	23827*	Semidalis	106140 33501*	Dacnopolio	73525
Psychocentra n g	23879*	Sialis	53566	Ereca	73525
Pulicalaria n g	23854	Symperobius	64295	Erecabia	73525
Pyrausta (Parasitochroa) n sgen		Odonata		Erecanana	73525
Raphipeza	95431*	Agriocnemis	14940	Erecella	73525
Rhynchina	14903*	Archaeophlebia	95655	Erecula	73525
Rileyiana n n	23892*	Ceratogomphus	14940	Fijicolana n g	94770*
Rosinella n g	106017	Ceragrion	23958	Heterogalumna	73507*
Rosiora n g	43277*	Enallagma	95614	Holmbergiana	63891*
Rosiora (Hunyada) n sgen	5524*	Ischnura	95654	Hypoxestus	73525
Rungsianea n g	5524*	Paragomphus	14976	Lisposidama n g	73525
Scaeoptyx n g	5560*	Protoneura	106162	Megistobunus	73525
Scalmicauda	43277*	Pseudagrion	95654	Metabiantes	73525
Schausinna	84149*	Orthoptera	14940	Metasidama	73525
Schrankia	14903*	Acheta	23919*	Monobiantes n g	73525
Scopula	105962 105973*	Acrida	5593	Montereca n g	73525
Scotia	95373*	Acrophymus	14915	Neobaerix n g	73525
Scrancia	84149*	Aerochoreutes	33482	Neopucroliella	63891*
Scranciola	84149*	Afrosphenella n g	106086	Opilio	105561*
Sesamia	5544*	Amazonina	23936*	Orthossus	94770*
Sorhagenia	95440	Ambositracris n g	53527	Padangcola n g	94770*
Sphenarches	95556	Ameles	53533*	Parageaya	63891*
Sphinx	95386	Anchoeoma	43327	Paraumbogrella n g	63895
		Arenivaga	84185*	Rhampsinitus	73525

\*Text of this reference is not in English.

Item		Item		Item	
New taxa (entomology)-- Cont		New taxa (entomology)-- Cont		Newcastle disease-- Cont	
Phalangida--cont		Thysanura		vaccines	
Roewereca n g	73525	Acanthinonychia n g	33502*	31971	4201 22599
Scabrosidama n g	73525	Anarithmeus n g	33502*	104425	62820 72607
Trogolocratius	105561*	Comphotriura n g	33502*	62899*	22630* 62797*
Zepedanulus	94770*	Diabateria n g	33502*	62920*	72640 93252*
Plecoptera		Gastrotheus (Lasiotheus) n sgen		Venezuela	72650*
Aldia n g	14981		33502*	virus	4177 4207 4222
Allocapnia	95662 95663	Heteromorphura n g	33502*	22605	22644 32021
Apteryoperla	95633	Lepidotriura n g	33502*	42067	63322 72643
Capnia	95634	Neatelura n g	43363*	103275	104379 104441
Nemoura	23940*	Neomachilellus	5607*	12967*	13483* 13484*
Protonemura	23941* 84230*	Proatelurina n g	33502*	22659*	22660* 30998*
106113*		Trichodimeria n g	33502*	31985*	31991* 52233*
Protura		Wygodzincinus n g	33502*	52282*	62782* 62796*
Acerentulus	95681* 106119*	Trichoptera		82598*	82621* 82657*
Amerentulus n g	95677*	Abaria	14969*	93273*	93300* 93341*
Berberentulus n g	95677*	Adicella	106130	104427*	104428*
Condeellum n g	95677*	Adinarthrum	106131	Newsprint	
Delamarentulus n g	95677*	Amphipsyche	53573	manufacture	41007 41021
Eosentomon	95681* 106119*	Apatania	95666*	41024	41028 102984
Gracilentulus n g	95677*	Athripsodes	53573 106130	81501*	
Hesperentominae n sfam	95677*	Athripsodina n g	106130	Nexan	63691*
Maderentulus n g	95677*	Atopsyche	95612	Nexen	63691*
Psocoptera		Cheumatopsyche	53573	Nezara viridula	93944 95207
Psilopsocus	84235	Chimarra	53573 106131	Nezara viridula smaragdula	14833
Spilopsocus n g	95669	Dinarthrum	95666*	Nhoabe	64237*
Scorpionida		Diplectrona	106131	Niacin	
Bothriurus	94774* 105553*	Ecnomus	14986 53573	effects on meat	75637*
Bothriurus (Andibothriurus) n sgen	105554*	Georgium n n	95678*	effects on wheat	27835*
Scorpio	23543*	Helicopsyche	95612	in animal physiology	30890*
Siphonaptera		Homonymylax	53562	in beef	35110
Anomiopsyllus	64268	Hydropsyche	53573 95666*	in castorbeans	19318
Chaetopsylla	23955*	Hydroptila	14942 95678*	in Chlamydomonas	69276
Ctenoparia	95668	Javanotrichia	95678*	in Chlorella	38610
Ctenophthalmus	5633 23963	Leptocerus	106130	in coffee	27336 44138*
53579 53590	84223 95632	Limnephilus	14953	in corn	19318
106149*		Madioxyethira	106131	in food	76888*
Demeillonia	73891	Mystacides	106130	in grain	55274*
Dinopsyllus	84233	Nepaloptila n g	106131	in grain products	17233
Frontopsylla	64289	Nietnerella n g	106130	in meat	76868*
Neopsylla	106135*	Ochrotrichia	14942	in plants	30890*
Nosopsyllus	5634 43367*	Oecetis	53573 106130	in pork	87811
95651*		Orthotrichia	14987	in poultry meat	16361
Nosopsyllus (Penicus) n sgen	5634	Oxyethira	14942	in poultry nutrition	31852* 93329*
Palaeopsylla	106149*	Psilotreta	106131	in poultry physiology	63501
Paradoxopsyllus	23956*	Psychomyiellodes	53573	in rice bran	16089
Pulicella n g	84233	Setodes	53573 106130	in wheat	27152a 68148
Stenoponia	106134*	Stactobia	106131 106126*	Nicandra physalodes	32627 37456
Solpugida		Stenopsyche	95631*	47729*	
Ammotrechula	53205	Synagapetus	106131	Nicandrenone	32627
Eremobates	53205	Tagalopsyche	53573 106130	Nickel	
Eremorhax	53205	Tinodes	95612	fungicide	9120 9122
Hemerotrecha	53205	Trienodes	106130	in Asarum europaeum	69075*
Solpuga	94747	Trichosetodes	53573	in canned vegetables	55012*
Solpugema	94747	Uenoa	106131	in food	84820*
Solpugiba	94748	Newcastle disease		in plant nutrition	18822*
Solpugopa	94748	22673 52287	82587 82604	in soils	80057 101904*
Solpuguna	94747	82656		Nickel chlorides	9121
Therobates	53205	Argentina	22643* 62782*	Nickel compounds	
Strepsiptera		93300*	93227*	bibliographies	68149
Pseudoxenos	53583*	Bulgaria	31908*	Nickel sulfate	37329
Stylops	53583*	control	13577*	Nicobium castaneum	63713
Tridactylophaginae n sfam	106164	Denmark	62856	Nicoletidae	43391 33502*
Tridactylophagus	106164*	diagnosis	42014 22620*	Nicotiana	
Tridactyloxoenos n g	106164*	82655*	62908*	anatomy and physiology	48237*
Triozocera	95621	Hungary	62846*	biochemistry	1318 10274
Symphyla		immunization	4156 31971	cytology	865
Scutigerella	94737*	82636 104425	4126* 13536*	genetics	791 820
Tardigrada		13554* 31893*	31943* 31945*	865	27753a
Echiniscus	5063* 105577*	62796* 62855*	82635* 93307*	hybrids	820 856
Macrobiotus	94733 5063*	Angola	72156*	78370	47915* 48237*
Pseudochiniscus	94723 5063*	Great Britain	31888	research methods	
Thysanoptera		Indonesia	62899*	statistical	856
Acrothrips n g	95671	Italy	62859*	Nicotiana debneyi	328 27148a
Aeolothrips	64285	Nigeria	72607	49011* 101088*	
Diphyothrips n g	95671	reviews	62841	Nicotiana glauca	
Haplothrips (Pallidothrips) n sgen	64285	USSR	62812*	virus diseases	1179 18353
Heterothrips	23957	Japan	32004*	77931	78370 89826
Hoplandrothrips	95671	partridges	62923*	Nicotiana glutinosa	
Hoplothrips	95646*	pheasants	62923*	anatomy and physiology	9835
Nesothrips	64287*	rabbits	104541	biochemistry	58060 58957
Oxythrips	64285	resistance	22619 31769	virus diseases	9215 9835
Scirtothrips	64285 73883	31893* 31960*	62812*	18296	18306 18321
Sericothrips	64285	transmission	42060*	27345a	58060 68302
		treatment	4251	99607	99654 99667
				Nicotiana goodspeedii	27148a
				Nicotiana langsdorffii	1179 78370
				Nicotiana miersii	27463a

\*Text of this reference is not in English.



Item			Item			Item		
Nicotiana nudicaulis	78253		Nitrate reductase	19365	19422	Nitrites-- Cont		
Nicotiana paniculata	89826		28358	69158	89892	90928		
Nicotiana rustica SEE Aztec tobacco			69272*	69273*				
Nicotiana sylvestris	791	47506	in Chlorella vulgaris		28354	in tomatoes		48639*
58057	10014*		in corn		89832	in water		7120*
Nicotiana tabacum SEE Tobacco			in sugarcane		69283	reviews		36322*
Nicotinamide	470	19306	Nitrated starch SEE Nitrostarch			toxicity	3138	41276
51875	10455*	27345a	Nitrates	21701	49789	cattle		62422
Nicotinamide adenine dinucleotide	9791		effects on algae		38424	poultry		22664
38615			effects on cauliflower		69158	sheep		63087
Nicotinamide adenine dinucleotide phos-			effects on corn		68691	2-Nitro 1, 1-bis(p-chlorophenyl)propane		85710
phate		100710*	effects on cotton		48399*	and butane mixture (1-2 ratio)		
Nicotine			effects on sugar beets		100185*	2-Nitro-1-phenyl-1-phenylthioalkanes		9013
effects on poultry		31898	fertilizers	11858*	29784*	Nitro reductase		100719
effects on swine		104822	40368*			Nitrobacter	49789*	90930*
in feed		75037	in algae	28402	100668	Nitrobacter winogradskyi		101826*
in food	64755	74343	in Anabaena cylindrica		78967	Nitrobenzene	29508	47255
in Nicotiana	58957	10274	in animal nutrition		71664	101749*		21702*
in plants		59077	reviews		51445*	Nitrocellulose	21691	21692
in tobacco	7528	38630	in Ankistrodesmus braunii		58979*	Nitrochalk SEE Calcium nitrate		
78878	89861	7524*	in cattle nutrition		103578	Nitroform		70844
37188*	38268*	38568*	in cattle physiology	3555	22193*	Nitrofurans compounds	104286	26383*
nut tree pest control		42715*	92459*			30841*		71810*
Nicotinic acid SEE Niacin			in cellulose	21696*	21697*	reviews		
Nicotinic acid amide SEE Nicotinamide			in cheese		85450*	Nitrofurazone		
Nicotinoids insecticides	63440	73086	in cheese manufacture		96579*	effects on poultry	41964*	72627*
Nicrophorus		94875	in Chlorella vulgaris		78962*	effects on Sporozoa		41989
Nicrophorus vespilio		105610*	in corn		18809	in feed		85545
Niculan		85614*	in cucumbers		18809	in milk		54548
Nidicola		95182	in Cunninghamella		89602	therapeutic use	13503	31932*
Niditinea piercella		95452*	in feed	3443	6531	52293*		
Nidulariaceae		26938a*	41265	54742*		Nitrogen SEE UNDER Fertilizers		
Nidularium		8748	in food processing		43935	Nitrogen		67468
Nierembergia	17786	26825a	in forage plants	59005	41378*	determination	33997	106571*
Nietnerella n g		106130	78968*			effects on algae	38424	58910
Nigella damascena	38579*	79074*	in grasses		78968*	effects on Ammophora arenaria		68818
Nigella sativa oil	45132	97193	in Lolium multiflorum		48154	effects on Anthemis		27883
Night soil	40386	20761*	in Lolium perenne		28035	effects on apples	9999	38068
Nigrospora		57723*	in meat	75554	7120*	48494	58512	58878
Nigrospora oryzae	8841	57873*	in oats	28345	47545	effects on Aspergillus		9641
Nikethamide		32240*	in plants	19407	48054	effects on Atriplex patula hastata		78870
Nilaparvata lugens		105848*	68747*	96104*		effects on barley	78621	89624
Nimblewill SEE Muhlenbergia schreberi			reviews		78562	effects on beans		78419*
B-Nine SEE N-di-nethylamino succi-			in potatoes		47495*	effects on beets		9405*
amic acid			in silage		51837	effects on Cattleya		48343
Ninhydrin reaction	915	85643	in soils	11554	20444	effects on chick embryos		82693
107141	107160	96666*	101755	49698*	60131*	effects on Chironomidae		95039
Nipaecoccus vastator		5372	90866*			effects on citrus		100182
Niphona picticornis		94486*	Canada		11612	effects on coffee		47991*
Nipponopius n g		105876*	Nigeria		2168	effects on Collembola		32625
Nippoptilia		95556	Southeastern States		49699	effects on corn	898	18858
Nippostrongylus brasiliensis		30921	Taiwan		29523	78363	9405*	9731*
62673			in spinach	48607	58712*	78497*	78556*	89724*
Nippostrongylus infestation SEE Hook-			in sugarcane		69283	effects on cotton	78363	78512
worms			in tomatoes		69300	100361*		
Nirvaninae		73713	in water		7120*	effects on cucumbers		38261
Nisin	44357	54655	reviews		36322*	effects on Cynodon dactylon		48280
107047*		54331*	toxicity	3138	41265	effects on Dactylis glomerata		78743
Nisotra		94954*	41310	51337	61775	effects on Festuca elatior		78743
Nitella			91806	91908	30847*	effects on forage plants	9988	58926*
anatomy and physiology		37954	cattle	62204	62422	effects on fruit		1029*
78655	78816	69062*	82286	103618	3623*	effects on fungi		19147
biochemistry		69216	ruminants			effects on Fusarium oxysporum		68955
cytology		78125	reviews		12625*	effects on Fusarium solani phaseoli		100237
morphology	47738	78125	Nitric acid	40363	26043*	effects on Gliocladium fimbriatum		100237
Nitella flexilis	10045*	18915*	48110*			effects on grapes	68732	1012*
68974*	69098*	69119*	Nitric oxide	2188	23690	68841*	100297*	
Nitella translucens	38480	48045	Nitrification	2238	20496	effects on grain		78606*
48046	48047	48183	39771	49786	60214	effects on grasses	48187	48260
Nitelopsis		69072	70889	71167	80126	58513	68822	78743
Nitelopterus slossonae		18562*	90943	101783	2235*	78599*	78674*	
Nitidulidae		14814	29559*	29566*	49789*	effects on Hedysarum coronarium		48361
Australia		73568	60226*	70369*	80115*	effects on Hypomyces solani cucurbi-		68825
biology		63941	80131*	90922*	90923*	tae		78602*
control	14123	42625	Nitriles		19405	effects on Kalanchor daigremontiana		78602*
development		52804	reviews		2009	effects on kale		78823
geographic distribution		42625	Nitrite reductase		38566	effects on Lantana		58553
Great Britain		83826	Nitrates		49789*	effects on legumes	48465*	78497*
identification		42992	chemistry		34005	effects on lemons		9700*
life history	14123	42625	effects on poultry		22840	effects on lettuce		58817*
Morocco		33085	effects on sheep		51445*	effects on Ligustrum japonicum		58553
North America		94841	in animal nutrition		36322*	effects on Lissorhoptrus oryzophilus		23590
overwintering		14123	reviews		72850			
rearing and breeding		14123	in feed processing		65843*			
taxonomy	53246	53254	in meat	75554	7120*			
Nitragin		90940*	in sausages		55429			
Nitrate nitrogen	68963	38368*	in soils	20408	29513			
Nitrate of potash SEE Potassium nitrate			80084	60131*	29515			

\*Text of this reference is not in English.

	Item	
Nitrogen-- Cont		
effects on <i>Lolium multiflorum</i>	78664	
78854		
effects on <i>Lolium perenne</i>	10120	
78743 78854		
effects on <i>Mathiola incana</i>	48391	
effects on milk	25026	
effects on mites	32625	
effects on oats	28060	
effects on <i>Orthosoma brunneum</i>	73593	
effects on peaches	9999 68779	
effects on peanuts	102056	
effects on peas	89624 68848*	
68951*		
effects on <i>Phyllosticta</i>	89350	
effects on <i>Picea abies</i>	965*	
effects on <i>Pinus taeda</i>	68721	
effects on plant disease	9147 77723	
39798 47446 58132		
77738 374* 9081*	18263*	
effects on plants	18939 19328	
38045 69029 100115	9958*	
18880* 28147*	68757*	69188*
100562*		
effects on plums	77694	
effects on <i>Poa</i>	99473	
effects on <i>Populus euroamericana</i>	965*	
effects on potatoes	1025 78817	
89722 9686*	69088*	78753*
effects on radishes	38026*	
effects on rape	78359* 100533*	
effects on <i>Rhizoctonia solani</i>	68193	
effects on rice	1064 10044	
100506 19146* 100147*		
effects on <i>Rosa</i>	19015	
effects on semen	62020	
effects on soybeans	78363* 78384*	
effects on <i>Sorghum alnum</i>	78586	
effects on spinach	89420*	
effects on strawberries	19169	
effects on sugar beets	9798 19020	
9730*		
effects on sugarcane	48007 19052*	
effects on sunflowers	9966	
effects on <i>Tetranychus telarius</i>	83781	
effects on tobacco	10281 48330	
18797*		
effects on tomatoes	1349 19248	
58652 69139 78643	38375*	
78798*		
effects on <i>Trithothecium roseum</i>	48288*	
effects on <i>Tulipa</i>	100152 1118*	
effects on weeds	9703	
effects on wheat	10074 19171*	
28198* 47955*	58639*	89625*
effects on winter rape	38141*	
effects on yeasts	68994*	
effects on <i>Zebrina pendula</i>	19173*	
fertilizers	2676 11646 20758	
20759 49444 50402	50403	
50412 60457 60752	60785	
62424 70491 70523	70644	
70856 70857 70865	80306	
80736 80743 80764	91187	
91214 91365 91382	91397	
101715 102335 102364	11251*	
11486* 11835* 20731*	21013*	
39990* 40058* 40105*	40368*	
49698* 60780* 90882*	90952*	
91072* 91145*		
<i>Agropyron desertorum</i>	50159	
<i>Agropyron inerme</i>	70577	
alfalfa 91082	30048*	50050*
<i>Andropogon</i>	70512	
<i>Anemone coronaria</i>	58624	
apples 11598	39952 80311	
2421* 10132*	50181*	80477*
91183* 100319*		
avocados	60470	
bananas	50111* 60430*	
barley 11612	20650 40101	
100425 100558 101993	38041*	
80432*		
beans 48272	58132 90902*	
beets	70550* 79711*	
broadbeans	70358*	

	Item	
Nitrogen-- Cont		
fertilizers--cont		
Bromus	2335 50159	
brussels sprouts	70590*	
cabbage	60532	
<i>Carya illinoensis</i>	91047	49955
cauliflower	29800	
celery	49377	
chicory	48440*	
chilli redpeppers	20710	
citrus	50174 70505*	
coffee	50212	
corn	2314 2349	
20637 20722 20818	29718	
39923 40061 40069	60325	
60365 80258 80263	90110	
101982 102057 105247	11482*	
11601* 29662* 29830*	30048*	
50050* 50131* 60347*	80348*	
80381* 30390* 80393*	91057*	
cotton 2362 11595	29686	
29701 29770 59287	60411	
60528 69473 100882	101946	
1566* 38103* 80344*	80361*	
80435* 91120* 101898*	102074*	
cucumbers	60367 60478	
Cyclamen	29674*	
<i>Cynodon dactylon</i>	51778 101976	
Dactylis	91082	
Dactylis glomerata	19636 50011	
69567 100269*	102023*	
Denmark	11629*	
<i>Dianthus</i> 29668*	29669*	29673*
39910*		
<i>Digitalis purpurea</i>	70516*	
eggplant	102009	
<i>Festuca elatior</i>	60487*	
field crops 50046	60370 102037	
2401* 2402* 11478*	11597*	
40033* 101981*		
flax 20677 50090	38142*	
38196* 60425*	80353*	
forage plants 18976	20829	
60324 68700 70488	70562	
2370* 41505*	58926*	80425*
91075*		
fruit 39913 39937	39992	
40048 40091 50051	60334	
50004*		
<i>Gloxinia</i>	29675*	
grain 50144 91033	91051	
91164 2429*	2439 40102*	
49483* 60515*	80303*	80417*
101900* 101997*		
grapefruit	38415	
grapes	2391*	
grasses 11563 11642	32204	
47076 48924 70506	70547	
80048 1592*	20739*	51698*
72084* 78748*	80455*	
Great Britain	38355	
<i>Hevea brasiliensis</i>	2387 2388	
20695 80268	89583	
hops	40011*	
<i>Hyparrhenia</i>	91166	
India	60796	
<i>Iris tingitana</i>	27917	
Israel	11514	
jute 80252 102040	60496*	
kale	70530	
legumes 48924 70562	91075*	
lemons	60407	
lima beans	83781	
<i>Lolium perenne</i>	50172*	
millet	2451	
<i>Narcissus</i>	40100	
Netherlands	40100	
oil plants	101058*	
okra	60513	
onions	39919*	
oranges	20723*	
ornamental plants	40091	
<i>Panicum maximum</i>	19628	
pastures and meadows	29719	
39938 40094 40103	60320	
70657 91149 101970	2373*	
2397* 2429*	28699*	29703*
29798* 39999*	60336*	60390*

	Item	
Nitrogen-- Cont		
fertilizers--cont		
pastures and meadows--cont		
60461* 60511* 80410*	91026*	
91039* 91044* 101900*	101957*	
101986* 101997*	102003*	
peaches	11617	40147
peanuts		102056
peas	60338	101945
<i>Pennisetum purpureum</i>		20743
<i>Phalaris tuberosa</i>		38223*
<i>Picea</i>		2810*
pineapples		60428*
<i>Pinus</i>	71201	2810*
Poland		70852*
<i>Polianthes tuberosa</i>		2791*
potatoes 9872 11554	20683	
20708 39936 70655	2396*	
9859* 11464*	11504*	11505*
11521* 37212*	40027*	80418*
89659* 91048*		
<i>Pseudotsuga menziesii</i>		21223
radishes		60512
ranges		11611
<i>Ranunculus asiaticus</i>		58625
red clover		60487*
redpeppers		58132
rhubarb		60354
rice 11560 18849	28165	
29704 29713 29829	48747	
50081 50178 60466	60529	
68192 80364 102043	102071	
2437* 50134*	80381*	91138*
2439*		2439*
root crops		101914
sorgho		68936
sorghum	50180	29797 102067
<i>Sorghum halepense</i>		80428
Southeastern States		80431*
soybeans 101948	27968*	60424 58712*
spinach		39913 101978*
strawberries		10532
sugar beets 1675 9648	18930	
11465 11467 11606	80352	
20770 48313 50169		
2339* 91116*	101937*	
sugarcane 2176 9838	10063	
11602 20776 48217	50001	
50002 50034 50129	70494	
80340 80429 102044	49963*	
reviews		20732
sweetcorn		40094
sweetpotatoes	11470*	38283*
Tanganyika		78678
tea		80459*
tobacco 2433 50312	60437	
60438 70532 91028		
tomatoes 11559 29799	50150	
58565 58652 60478	20630*	
100260*		
trees		30337*
<i>Tulipa</i>		40100
turnips		10945
USSR		80257*
vegetables 39992 40091	40092	
102068 60567*	80262*	91091*
91092*		
wheat 2361 2423 10050		
19036 20639 20692	20697	
20714 20745 28080	29809	
39917 40061 50047	50147	
60378 60403 68673	69030	
70546 78763 80259	80364	
80618 91097 91162	2338*	
38322* 39929*	47283*	50086*
70563* 70632*	80348*	91041*
91102* 101937*		
fixation 1308 1316 1353		
2192 9637 11351 11358		
19423 20503 38424 39794		
39803 39804 49822 49823		
58934 60216 60734 68763		
70387 89624 100656 101791		
101797 2245* 9964*	9767*	
11237* 11343* 29548*	39746*	
39783* 49793* 49798*	60196*	
60201* 60204* 70358*	70362*	
70373* 70394*	70399*	90915*
101794*		
reviews		20491

\*Text of this reference is not in English.



Item		Item		Item	
Nitrogen-- Cont		Nitrogen-- Cont		Nitrogen-- Cont	
in Agropyron inerme	70577	in poultry physiology	13406	in wheat	28142 48300 69030
in alfalfa	27925*	62751 72595	72593*	100117 100324*	100376*
in algae	19423 89384*	in proteins	15656	in white clover	27925*
in animal nutrition	1257*	in pumpkins	78845*	in wine	44222*
in animal physiology	71718 61684*	in raspberries	38099	liquid 12837	100520 81625*
in apple juice	96808	in rat physiology	13406	refrigerant	55059*
in apricots	38462	in red clover	27925*	SEE ALSO SUBHEAD nitrogen fixation	
in Aspergillus oryzae	48250	in rice	9965*	UNDER Algae; Bacteria; Legumes	
in Avena	68167	100147* 100324*	58894*	Nitrogen compounds	
in bacteria	52285 103303	in Rosa	37184	in feed	
in bananas	18062 19167	in rumen	51856	reviews	61674
in barley	1123 18584 48296	in ruminant nutrition	71628 103129	in plants	48426 78943 1364*
101993 28109*	58547*	103185		58783*	
in beef	16208	in ruminant physiology	3068	reviews	10265 48618*
in blood	51856 3881*	91963 12725*	12726*	in sheep physiology	4429
63119* 82826*	4548*	51525* 51526*	81775*	in soils	39734 49752*
in broadbeans	58690 11513*	reviews	41668*	Nitrogen mustards	42003
68803* 89398*	48116*	in Samia cynthia ricini	73464	Nitrogen oxides	2451 4634 100442
in cattle nutrition	22042 72085*	in Satsuma oranges	100372*	37725* 85897*	89726*
in cattle physiology	12893 51712	in Scenedesmus obliquus	78638*	Nitrohumic acids	70658*
62424 82109	82851 92484	in semen	3350*	Nitronaphtolsulphonates	60143
41668* 51706*	82043*	in sheep nutrition	42146 82782	p-Nitrophenol	32597
92392* 92426*	92339*	104592		Nitrophos SEE Ammonium phosphate	
in cauliflower	48293*	in sheep physiology	4334 32207	Nitrophoska	80434 11583*
in cheese	34332*	63093 82837	82851 82855	50123* 70581*	70608*
in chickpeas	100117	93691 93695		Nitrophosphate	60757
in Chlorella	78985*	in Shorea robusta	30413	3-Nitropropionic acid	13444
in cider	96808	in silage	32204 30830*	Nitroso compounds	1260
in citrus	55196 68728	in soils	2152 2176 2182	reviews	48618*
in Claviceps purpurea	38210	2213 2214	11280 11344	N-Nitroso-N-methylacetamide	58474*
in coffee	24722* 32277*	20408 20488	20758 29513	N-Nitroso-N-methylurea	27727*
in comfrey	65207	29771 38475	39736 39775	N-Nitroso-N-methylurethan	27727*
in corn	89685 11513*	39813 40006	48272 50032	beta-Nitroso-a-naphthol	39706*
48116* 48396*	68803*	58513 60118	60185 60734	Nitrosococcus	80126
in cotton	75116 47934*	68727 68818	70272 70339	Nitrosoguanidine	47887
in Cunninghamella	38292	70341 70506	80014 80048	Nitrosomonas	90930
in dog physiology	22319	80071 80077	80082 90851	Nitrosomonas europaea	101826*
in Eremothecium ashbyii	19376	101755 101776	9700*	Nitrostarch	74526*
in fats and oils	86315 86305*	11251* 11254*	11256*	Nitrous acid	977 20408 27287a
in feces	93293 103537	20505* 29506*	29564*	29519	
in feed	21772 32381 75055	39747* 40014*	48077*	Nitrous oxide	4677 42204 52018
103537 30777*		60131* 60196*	60211* 60361*	63088* 63780*	
in flax	28110* 38196*	60479* 61072*	70299* 70329*	Nitzschia	99866
in food	106581	80076* 80324*	90875*	Nitzschia linearis	27515a* 27844a*
in food processing	64884	Arkansas	60502	Nitzschia palea	37665
in forage plants	31218 59029*	Australia	11239	NMC 50	94126*
68887*		California	20430	Noble fir SEE Abies procera	
in fruit	19041*	Canada	11229	Nocar	105613
in Fusarium culmorum	38443	Germany	29501*	Nocardia	27550a 39776 99091
in grain	16118 34889*	East Germany	18938*	100719 48528*	49820*
in grapes	68732 78355*	Great Britain	2236	70405*	
in grasses	70506 12020*	Great Plains	80056	Nocardia asteroides	12969 38018
in horse physiology	62613*	Hawaii	11221	62494 41575*	
in human nutrition	57083 76886	India	90870 101859	Nocardia corallina	38017 38018
36343*		Japan	38122* 39713*	38526	
in Laminariaceae	66308*	101655		Nocardia erythropolis	1418*
in legumes	101797 9964*	New Zealand	101704	Nocardiosis	22351 62494 31613*
in lemons	59050	Nigeria	2168	41770* 41790*	62414*
in lentils	28365*	Norway	11295*	Nocellochromus n g	95245
in Macrosiphum pisi	52825	Poland	49689*	Noctua interposita	106000*
in malting	96990	Republic of South Africa	70615	Noctua pronuba SEE Triphaena pronuba	
in mandarin oranges	38088	70617		Noctuidae	
in mangoes	89680	Southeastern States	49699	Africa	5544* 33356* 95373*
in manures	70889	Switzerland	80303*	105935* 105988*	
in meat processing	55522	USSR	29471* 39746*	anatomy and physiology	52917
in milk	51856 15620*	49730* 70293*	70300*	33414* 43302*	95439*
74855* 82826*	85403*	70311* 70323*		as pests	14120 83480 14131*
reviews	46471	United Arab Republic	60322	14194* 42689*	83283* 105199*
in molasses	82109 86430*	Vietnam	70563*	105323*	
in peas	9876 38327 90934*	in sorghum	89685	Asia	23823*
in Penicillium atrovirens	89827	in soybeans	9818* 100208*	Australia	84127*
in Phleum pratense	10015 68748*	in sugar beets	100326 86471*	Bahrain Islands	95380*
in Picea mariana	81048	in sugarcane	18919 80340	biochemistry	64229 73839
in Pinus	40675	in sugars	16432*	biology	53499 73186*
in plant nutrition	58690	in swine nutrition	42241* 82948*	California	95453*
in plants	1316 9701 12518	in swine physiology	4499 4605	China	95384
18850 20758 29771	48629	82926 82945	104822 4538*	106065*	23827*
78670 106581	1068*	13874* 32479*	32536*	color	95517 106024
27946* 39746*	47631*	83085* 93768*	93776*	control	14115 32802 52917
58664* 58868*	78371*	in taro	1124	94416 52843*	73175*
reviews	48179*	in tobacco	39933 48305 55974	Cuba	95543
in potatoes	54985 68229 47495*	78645 18906*	19078*	cytology	106007*
85741*		in tomatoes	48639*	diapause	53465*
in poultry meat	107821	in turkey nutrition	62713	diseases	64202* 84132* 105916*
in poultry nutrition	22577 62713	in turkey physiology	4250	eggs	33421 95496 95388*
4063* 42058*	82549*	in urine	51856 82300	fecundity	23887*
		in vetch	90934*	food and host plants	32611

\*Text of this reference is not in English.

Item				Item				Item			
Noctuidae-- Cont				Norsulfazole SEE Sulfathiazole				Notodontidae-- Cont			
France	14854*	14856*	64235*	Northern cattle grub SEE Hypoderma				mountain areas		43291*	
106001*				bovis				Nearctic Region		64186	
geographic distribution			95545	Northern corn rootworm SEE Diabrotica				Netherlands		33425*	
5560*	43302*	73186*		longicornis				parasites		95332*	
Germany			105924*	Northern fowl mite SEE Ornithonyssus				Rumania		43291*	
Great Britain		5527	43245	sylvium				taxonomy	23875	5524*	
53469	106018			Northern rat flea SEE Nosopsyllus				Notoedres		63859*	
identification		84127	95383	fasciatus				Notoedres centrifera		53191	
95545				Northern red oak SEE Quercus rubra				Notoedres elongatus		14431*	
India			95455	Northern white-cedar SEE Thuja occi-				Notoedres (Mesonotoedres) n sgen		53191	
larvae	5513	33421	64193	dentalis				Notoedres muris		105136*	
84164	106044	32798*	53465*	Nortozumia		84105		Notoedres myotis		14434*	
life history			95433	Norway maple SEE Acer platanoides				Notoedres (Neonotoedres) n sgen		14431*	
longevity		84165	23887*	Norway spruce SEE Picea abies				Notoedres yunkerii		5077*	
Malagasy Republic			5560*	Nose	13826*	42182*	61792*	Notogonia pompiliformis SEE Liris			
Morocco			23824*	104852*				nigra			
mortality			84132*	Nosema			73858	Notogramma		14680	
Netherlands		95475	53486*	Nosema apis	32949	53069	105445	Notogramma (Euacaina) n sgen		14680	
nomenclature		95544	106017	94553*				Notonecta glauca		14767	
43289*	105974*			Nosema bombycis			105483	Notonecta lutea		23756*	
nutrition			73798*	Nosema disease			63784*	Notonecta marmorea		14767	
outbreaks			84132*	83587*	83650*			Notonecta peruviana		64080*	
oviposition	42640	53499	84165	California			32929	Notonecta reuteri	23756*	95220*	
Pakistan			95380*	control	42820	23478*	73423*	Notonecta undulata		14003	
Paleartic Region		14862*	23826*			73431*	94553*	Notonectidae	5403	53394	64102
parasites			84132*	Switzerland			83593*	Notonia grandiflora		68535	
Pennsylvania			95517	Sweden			73368*	Notonomus		94920	
pests			53222	diagnosis	23439	53069	83641	Notoplocyptera		5402	
pupae	14337*	34193*	105991*	105445				Notoplocoris		5402	64106
rearing and breeding			95378*	Louisiana			94555	Notopteryx n g	95199*	95201*	
reproduction		43243	105996*	Switzerland			73429*	Nototarus		94920	
Scandinavia			106033	Tribolium			42862	Nova-line		3599	
Sikkim			23821				73756*	Novadral		92718*	
Spain			14855*	Nosema polyvora				Novalgin SEE Dipyrone			
Sweden			95405*	Nosemack SEE Merthiolate				Novarsenol SEE Neoarsphenamine			
Taiwan			23828*	Nosopsyllus elongatus			95651*	Novine		52107*	
taxonomy	23875	95388	95419	Nosopsyllus fasciatus			94686	Novobiocin		31478*	
95544	33356*	64198*	95377*	Nosopsyllus geneatus			5634	Novocaine SEE Procaine			
95459*	105955*	105974*		Nosopsyllus laeviceps gorganus			43367*	NPA SEE N-1-Naphthyl-phthalamid acid			
Turkey			23819*	Nosopsyllus londiniensis declivus			5634	NPB		32799*	
USSR	23820*	23822*	84175*				5634	Nuclear energy SEE Atomic energy		7259	
variation		43302*	64201*	Nosopsyllus (Peniculus) n sgen			43367*	Nuclear magnetic resonance		52705	
SEE ALSO Cutworms				Nosopsyllus ziarus			27651	38528	51326	51327	
Noctuoidea			73837	Nostoc			38424	55684	45163*	86529*	
Nodular worms	13121	72998	93640	Nostoc entophyllum			38562	SEE ALSO Magnetic resonance			
104698	62297*	93867*		Nostoc muscorum			90938*	absorption (by electrons)			
Nodules				Nostoc spaericum			77465	Nuclear warfare		43398	
plants	866	9377	10233	Nostochopsis lobatus			77204*	Nuclease		103247	
11342	14125	19252	19302	Notable trees		89720	46773	Nucleic acids		2251*	
20476	20487	27817	27819	Africa			46772	effects on Bombyx mori		73450*	
27820	28040	29535	37642	California	10629	36673		effects on Chlorella pyrenoidosa		48487*	
37703	37977	39767	39808	77165				effects on ducks		22484*	
47615	47853	49823	58310	Canada			17511	effects on Dunaliella salina		48487*	
58337	68786	68809	69204	Denmark			90322*	effects on grapes		9654	
70387	78400	78461	78867	Estonia		88144*	88172*	effects on Musca domestica		43093	
89104	99959	9704*	18588*	Florida			57445	effects on poultry	31896	104227*	
18596*	18686*	58252*	68878*	France	26773a*	57453*	57454*	effects on rice		1100	
68999*	89118*	90915*	99977*	88153*	98759*			effects on Scenedesmus quadricauda		48487*	
SEE ALSO Bacteria, nodule				Georgia			60855	effects on tobacco	9866	9867	
Nomada			95346*	Hungary			88163*	effects on Trillium kamtschaticum		89169	
Nomadacris septemfasciata			4641	Netherlands			46729*	effects on wheat		38348	
33484	53529	23104*	53516*	New Jersey		43770	46782	effects on yeasts		9567*	
83385*				New Zealand			17499	in Acetabularia crenulata		48349*	
Nomadism	41401*	67093*	63097*	Poland	36618*	36660*	57497*	in Acetabularia mediterranea		58525*	
108664*				Senegal			46689*	100694			
Nomadopsis euphorbiae SEE Nomadopsis				USSR			102507*	in Albizzia julibrissin		78391	
helianthi			5470	Notapictinus			64106	in algae		38584	
Nomadopsis helianthi			33311	Nothofagus		102889	108	in Androctonus amoreuxi		5105*	
Nomia melanderi			80595	Nothofagus dombeyi			30301*	in animal physiology	51378	103082	
Nomography	8943	64827	102671*	Nothofagus obliqua			30301*	3304*	74358*	91906*	
33871*	90791*		102695*	Nothofagus procera			19048	in Antheraea polyphemus		23483	
Nomophila noctuella			106051*	Nothofagus truncata			36943*	in Antirrhinum majus		38620*	
Nonanol			34800*	Notholaena marantae			37788	in bacteria	2216	105493	
Nonnea		98918	26830a*	Nothoscordum fragrans		9521	2028	in beans		19130	
Nonulose			34709	Nothoscordum inodorum			63846*	in beets		10171	
Noorda			64237*	Nothrothrombidium ornatum				in blood		41637	
Noplaxochia SEE Epiphyllum				Notiomyia ornata			106145	in Bombyx mori		5023	
Nor-buxamin			89936*	Notiophygus			5153*	94609	105493	5026*	14333*
Noradrenaline SEE Arterenol				Notobitiella n g			95201*	42846*	73462*		
Nordmann fir SEE Abies nordmanniana				Notobitus			95201*	in broadbeans		27496a	28344*
Norepinephrine SEE 1-Arterenol				Notocactus			20040	59026	68454	78529	
Norit SEE Carbon				Notocerura n g			14875*	in Calliphora vicina		33951	
Norleucine			78633*	Notodanthonia n g			26912a				
Nornicotine	10274	55971	59077	Notodonta herculana			43291*				
89861	38268*	59012*		Notodontidae							
Norsteroids			13788*	Africa	14875*	43277*	84149*				
Norstistic acid			28331	biology			106003*				
				immature stages			64186				

\*Text of this reference is not in English.



	Item			Item			Item	
Nucleic acids-- Cont			Nucleic acids-- Cont			Nurseries-- Cont		
in cattle physiology	72301	103743	viruses--cont			equipment	53714*	64411*
in Chironomus	5279*	14633*	13572*	14333*	27275a*	95729*		64698*
53335*			32535*	47465*	47535*	field crops		28757*
in Chlamydomonas		10252	58085*	61782*	68296*	forest	71220	84432*
in Chlorella		78538	77938*		77869*	102738	102760	71292
in coconuts		28372						12090*
in corn		1252	Nucleoproteins	9244	47515	Argentina		102597*
in cotton	37957	47952	100585	104806*	47541	Austria		81144*
68850	79046		reviews			California		71273*
in crickets		14916*	Nucleosides	18877	58895	81084	81093	61101
in Cyphellopus		28318	Nucleotidases		1280	Canada		21320
in Diptera	23659	73641	Nucleotides		96198	Czechoslovakia		30234*
in dog physiology	13281	13285	determination			30333*		
72420	82377*		in animal physiology		107911	Denmark		21302*
in Drosophila		43044	in beans		78958	directories		50925
in Drosophila melanogaster		14677	in cotton		59038*	equipment		81180
33140	33209	43062	in Euglena gracilis		79046	61072*	81057*	12145*
64028	83925	95067	in food	54223	38529	fertilizers		102566*
in duck physiology		93292*	74487*	85001*	24382*	21218*	61073*	50785
in Euglena gracilis		89101	in Fusarium		78897*	Denmark		81070*
in Glyptotendipes barbipes		5280*	in milk		41318	Finland		30320*
in grain		44885	in Morus		89877*	Germany		21223*
in grapes		52910	in peas		69305*	East Germany		81079*
in Hyalophora cecropia		73795	in plants	639	1375	Italy		61067*
94605			10210	19306	19407	Sweden		21229*
in insects		78257	38347	78958	78975	71177*	71214*	12056*
in Jerusalem artichokes		69082*	69241*		38616*	USSR	30337*	40608*
in leeks		38620*	in sheep physiology		22810	102583*		50763*
in Locusta migratoria		5583*	in tomatoes		89666*	Germany	21313*	71192*
in lupine		100233	in viruses		9218	30441*	61168*	23348*
in milk		3655	in wheat	78989	89931	61168*		30410*
in Morus	89877*	89878*	Nucleus		69305*	Great Britain		81168*
in mouse physiology	92949*	104196*	Acetabularia mediterranea		27857*	81086		12105
in mung beans		1289	37821*	68607*		Italy	81146*	61098
in Neurospora		18556	animals		27636*	Japan		99714*
in Nicotiana glutinosa		58060	reviews		81722*	Kenya		101230*
in onions	37331	99940*	Bombyx mori		83683*	management		30400*
in Ophiostoma multiannulatum		9801	Bracon		14820	Czechoslovakia	2858*	8925
in peas	79070	38326*	Bradysia mycorum		5276	Great Britain		61081*
89854*			broadbeans		37695	Louisiana		40671*
in plants	639	874	Bromus		743	Norway		40619
9465	9478	9953	Chironomus thummi		23678	USSR	21309*	50813
18565	19049	19339	Chlorophytum capense		58304	102672*	102709*	102311*
28285	58660	59034	Chrysocoris purpureus		5413	mechanization	12098*	102709*
78257	89138	89373	Drosophila		23649	Mexico		21324*
100221	9387*	9434*	insects	23524	27636a*	Montana		37228*
38205*	74358*	100680*	onions	68422	37632*	Nigeria		71219
reviews			Phytophaga destructor		64000	Norway	21235*	105359
in potatoes		78675	plants	620	662	21299*	21300*	21255*
in poultry physiology	22596	22674	753	9462	9465	99474*	102705*	21310*
in proteins		34007*	9495	9539	18590	Netherlands		57975*
in Pseudococcus citri		95221	37631	37698	58255	Poland		81099*
in rat physiology	4013	104199*	99640	100037	9394*	soils	61099	31064
in Rhizopus nigricans		19230	9446*	9542*	27636a*	21218*	30320*	30423*
in Rhodnius prolixus	43180	43181	47703*	48349*	58241*	61072*	61095*	31067*
105867			68595*	99926*	100718*	Australia		101332
in Robinia pseudoacacia		1195	bibliographies		27635a*	Mexico		49301*
in Rumex acetosa		9457	Rhinanthus serotinus		58353*	New Zealand		91537
in rye		10179	Samia cynthia		84146	Scotland		61011
in Samia cynthia		73795	Smittia	33195	73640	Sweden	40608*	88742*
in Schistocerca gregaria		33463	wheat		37628	91588*		81171
in semen	12784	31087	yeasts		68465*	South Carolina		81066*
62046	92166	81940*	Nadaurelia cytherea capensis		42753	Turkey		102596*
in Smittia		33195	Numicia		14771*	USSR		30315
in sorghum		58778	Numicia viridis	23196	52839	weed control	12052	2805*
in soybeans		68857	73181			50791	50794	
in spinach	10171	69235	Nuphar luteum		91929*	21226*		
in swine physiology	32479*	100572	Nupserha antennata		43032	bibliographies		61063
63330*		32536*	Nurse crops	48816	48817	chemical	50823	61071
in tobacco	18346	88858	79262*	100909*	101523*	81058	81060	
99640	100698	59096*	Nurseries			Finland		50810*
in tomatoes		69082*	African oilpalm		60021*	Germany	East Germany	91556*
in trees		78825*	associations		107983*	Michigan		30345
in Trillium erectum		38563	Canada		64914	Norway		21222*
in Utricularia neglecta		58915*	coconuts		28832	Poland		50780*
in wheat	18776	89705	coffee	29404	39592*	Sweden		12057
89884	100654	69305*	99669*		90762*	Wisconsin		71227
in Xanthisma texanum		58657	costs and returns		26951a*	fruit	35400	101176
in yeasts	10179	62651*	Denmark	45481*	59464*	5733*	58519*	
viruses	456	9218	directories		59689*	Argentina		28844*
9245	18300	18301	Illinois	10579	97505	Bulgaria		69795*
18316	18331	18348	Indiana		97506	Czechoslovakia		70584*
27312a	37477	47511	Missouri	16516	97513	equipment		33643*
58077	58089	68262	New York	26375	26376	Florida		256
68289	68293	77873	Ohio	16517	66307	Germany	7559*	28793*
88875	88894	92885	Oregon		55995	38972*	66302*	
104535	105477	5026*	Tennessee		45399	Hungary	18332*	19041*
			Virginia		97531	89579*		28801*
						Italy		10601*

\*Text of this reference is not in English.

	Item				Item				Item		
Nurseries-- Cont				Nurseries-- Cont				Nycteribia kolenatii			5273*
fruit--cont				stock--cont				Nycteribia latreillii			5273*
Japan			38995	transportation	21310*	35384*		Nycteribia vexata vexata			5273*
mechanization			33527*	38461*	97532*			Nycteribiidae	5306	5273*	23631*
Oregon			19841	treatment	27374a	38461*		Nycteridocoptes malayi			14431*
Poland	69707*		86534*	USSR		102672*		Nycteridocoptes orientalis			14431*
Portugal			59608*	tea	9989	52923		Nymfalon			13009*
Rio Grande Basin			37143	USSR		88614*		Nygmia phaeorrhoea	53470		73830*
Rumania			40090*	vegetables	59846	68184		83531*			
statistics			45396	weed control	11002	29224		Nylon	37066*	93820*	94639*
USSR	18978*	19739*	58717*	29314	49408			Nymphaea	29001*	101289*	
90292*	94370*	101119*	101526*	chemical	29142	29317		Nymphaea alba			68948*
weed control			79819*	70056	39525*	59947*		Nymphaea caerulea			19393
Germany	7552*	7559*	27000a*	Great Britain		39560		Nymphaea lotus			68845*
38957*	45375*			Pennsylvania		29300		Nymphaeaceae	78146		89093*
Italy			45380*	Nursing sickness		104071		Nymphalidae			
labor	16611	16631*	56175*	Nutgrass SEE Cyperus rotundus				Africa	53506	95417	
97674*				Nutgrass armyworm SEE Spodoptera				anatomy and physiology		14871*	
Laurus nobilis			101601*	exempta				Asia		95417	
Louisiana			16521	Nutmeg		108834*		France	105960*	106001*	106005*
management	272	1685	1695	Nutmeg oil		45108		Germany		105965*	
1699	1702	38939	45393	Nutria SEE Coypus				Great Britain		84143	
79549				Nutrient solutions for plants		1080		habits and behavior		95511	
Massachusetts	90252	97508		1108	9766	18852		hybridization		84124	
Netherlands		38953*	39152*	38053	38149	38150		Middle Western States		95547	
Norway		19745*	20047*	48160	58684	68691		Netherlands		95497*	
ornamentals	32874	66317	79549	78390	78456	78537		Nigeria		84119	
19996*	27279a*	101323*		78736	98741	100090		Pacific Northwest		106020	
France			39174*	18975*	28279*	38434*		rearing and breeding	105968	106025*	
Germany			28793*	48307*	49155*	58813*		taxonomy	33381	105968	
mechanization			53619*	69889*	78788*	99527*		Nymphalis io geisha		14882*	
Norway			20032*	hydrogen-ion concentration		1098		Nymphalis urticae	33401*	33418*	
records			1699	1130	18824	19147		Nymphoides peltatum	58299	17666*	
regulation and inspection				48093	38502*	38241		Nymphomania	13009*	92902*	
Germany			75259*	Nutrition (animal) SEE Feed; Soils,				Nysius huttoni		23747	
Michigan			97512	plant-animal relations; names of feeds;				Nysius minor		14130	
Netherlands			75259*	and SUBHEADS feed; feeding and nutri-				Nysius palor		5374	
New York	26375	26376		tion; in cattle nutrition; etc. UNDER				Nyssa	4963	39608	68574
Ohio		66307		specific subjects				Nyssa aquatica		561	77331
Oregon		55995		Nutrition (plant) SEE UNDER Plants; and				Nyssa sylvatica biflora		561	
Republic of South Africa		75921		SUBHEAD in plant nutrition UNDER				Nyssaceae	17510	68574	
Switzerland		45400*		specific subjects				Nyssodrys		94900	
soils	47181	47580	79974	Nuts				Nyssodrystes n n		83836	
49922*				acreage and area		107407		Nyssosternus n g		83836	
statistics	7568	16523	97530	associations	19927	101257		Nystatin	4175	93275	100166
7559*				bacteria	54107	55092					
Florida			86546	breeding	19757	19930					
Germany	66302*	66316*	86542*	China		54950					
New Zealand			107992	coatings		6894					
stock	1682	47586	71292	conferences and congresses		19932					
101284	102621			59672	96796						
Austria			71273*	culture	19924	28814					
California			81093	France		101249					
Canada	21253	66296	86526	Michigan		101204					
certified	58090	75921	21313*			101250					
97416*				drying		6869					
containers			70518	fungus diseases		37301					
costs and returns			26940a*	hardiness		49052					
European Economic Community			86549*	hulling		6869					
Florida	44816	66312	86545	in ice cream	44368	54660					
97523				65155							
Germany		1901*	2830*	injuries	28814	99143					
grading and standarization	68987	81084	68918	marketing		74404					
labeling		49257	66299	pest control		77518					
legislation			27061a	pests		23091					
marketing	75923	21251*	35390*	policies and programs	55092	107367					
Norway			21251*	processing		19935					
prices			21296*	propagation		101262					
quality			81168*	pruning		96900					
regulation and inspection	55767*		57809	refrigeration		55092					
storage	2850	9045	18928	sanitation		44577					
49114	81086	18929*	19983*	situation and outlook	27046a	37100					
19996*	21311*	27065a*	27885a*	spraying and dusting	47128	88653					
28766*	35384*	38357*	39171*	statistics	44806	34843					
40658*	61081*	61168*	69804*	storage		6869					
78546*	78752*	81066*		substitutes		65584					
trade				trade		108906					
Brazil			108834*	varieties	38961	49052					
European Economic Community				74404	88653	101248					
46371*	76774*			Florida		101259					
Germany			76774*	Southeastern States		101246					
Greece			76774*	SEE ALSO names of nuts and nut							
New Guinea			108834*	trees							
				Nuttalliosis		92917*					
				Nuttallia		14007					
				Nycteola asiatica	95405*	106012*					
				Nycteribia biarticulata		5273*					

\*Text of this reference is not in English.



Item				Item			
Oats-- Cont				Oats-- Cont			
culture				seeds			
Arkansas			28550	certified	55779	86434	378*
Bulgaria			59370*	cleaning equipment			107881
Florida			28465	quality			86413*
Germany	59206*		59341*	treatment		9076	45295
East Germany			48702	32765	42648	57855	9926
Great Britain			19519	vernalization			88699
India			59263	situation and outlook			48423*
Northern Ireland			100837	soils	11325*	19529*	85954
Poland			59323*	spraying and dusting		32765	90191*
Spain	1515*		96957*	statistics		44976	42648
Wisconsin			59248	storage			75363
cytology	18639	27676	47891	varieties	9937	19549	83526
78119	89147	89193	99818	48687			48094
99996				Albania			90052*
disease resistance		9093	9628	Arkansas			59260
9629	18205	27677	38787	Australia	9628	38736	48684
77894	100048			48701	48725	69379	69417
diseases		37057	77632	79166	100827		
drought resistance			18979	Austria			69419*
drying equipment			15198	Bulgaria			38750*
ecology	37605	89147	100373	Canada		38783	69535
enzymes			25706	Denmark		19529*	69390*
feed	22072	69535	3094*	Finland			1537*
22748*	30788*			Florida			100855
fertilizers	19087*	50035*	78415*	France			59164*
Arkansas			11641	Great Britain	79126		79208
Bulgaria			102002*	105224			
Canada	38681		49980	Iowa			48685
Georgia			60448	Nebraska			38703
Germany			70661*	New York			69402
Nebraska			40085	New Zealand			38787
Poland			29821*	Northern Ireland			59190
Texas			60356	Ohio	28524		59236
USSR	70659*		80343*	Oklahoma	1473		59195
Yugoslavia			80391*	90050			
forage plant	1233	41534	82090	Oregon			19578
92321	9666*	71630*	100997*	Pennsylvania			79163
Australia	38736	48725	61673	research methods			
100827				statistical			48761
Canada		1638	69535	South Dakota			79113
Germany				Sweden	96971		100785*
East Germany			90191*	USSR			100997*
fungus diseases		360	9116	Wisconsin			59248
18180	18205	18238	18239	virus diseases	449		47545
19066	57986	68228	88828	58107			
99486				weed control		58870	59990*
Australia			9009	70074*			
Canada	37218	77687	77698	yields	19549	28458	50035
control	9076	37295	68140	78394*			
88699				Arkansas			28550
Germany			99512*	Australia	10504		38736
East Germany			99438*	Austria			69419*
Scandinavia			47294	Canada	38681	38783	49980
Southeastern States			99412	Denmark		19529*	69390*
Sweden			378*	Germany			
genetics	9544	9628	9629	East Germany			48702
18759	27676	27677	27745	Great Britain			79208
37834	47891	47895	58368	Iowa			59199
58380	89317	100048		Nebraska			38703
germination		38019	48586	Ohio	28524		59236
hardiness		947	48687	Oklahoma	1473		59195
harvesting			70661*	Oregon			19578
hay		10504	71630*	Pennsylvania			79163
hybrids			18639	Texas			60356
injuries			37057	USSR			70659*
irrigation			2547	Wisconsin			59248
losses			105225	SEE ALSO UNDER Pools			
marketing			75374	Obeliscoides cuniculi			93554
morphology	37706	47714	58320	Oberea	94848*		105611*
37623*				Oberea oculata			94473*
nematode resistance	37492		79216	Oberea schaumii			42771
99699				Oberonia	57584		88314*
nematodes	88902	88906	47567*	Obithome n g			95440
nutritional deficiencies			68767	Obrium brunneum			5178
936*				Obstetrics	12566*	12590*	12620*
oxidation			55227	31032*	61739*	61813*	61845*
pest control	32765	42648	83526	81880*			
83388*				cats			31589*
pests	42576	105224	105225	cattle	62394	22258*	103653*
planting		28458	48723	dogs		31589*	82390*
planting date		38681	78394*	horses		22451	3959*
83388*				study and teaching			41386*
processing			85905*	SEE ALSO Cesarean section; Dysto-			
products			25779	cia; Retained placenta; and SUBHEAD			
proteins			7073*	parturition UNDER Livestock and			
quality			78394*	names of animals			

\*Text of this reference is not in English.

	Item		Item		Item
Odonata-- Cont		Odor-- Cont		Oil insecticides-- Cont	
conferences and congresses	14994	effects on <i>Drosophila melanogaster</i>	33151	eggplant pest control	32807
43343		effects on insects	63437	forest pest control	23398
Cuba	64293	effects on <i>Kaloterms flavicollis</i>	33517*	fruit pest control	83391*
cytology	43347	effects on Scolytidae	23591	hazards and safeguards	32594
development	43370	effects on <i>Zootermopsis angusticollis</i>	106109	83144	
diapause	43351	insects	53478*	household pest control	14247
ecology	43389	SEE ALSO SUBHEAD flavor and odor	95312*	insect resistance	52731
106128	14982*	UNDER specific subjects		nut tree pest control	42715*
eggs	95682			particle size	42415
evolution	53569			pear pest control	63631
genetics	43347			plant pest control	104982
geographic distribution	43371			tests	4645
43389	43569			tomato pest control	32807
Great Britain	33513	Odorit	12719*	Oil plants	38884
106136	64281	Oebalia	83985*	acreage and area	55630
habits and behavior	43348	Oebalus pugnax	14101	anatomy and physiology	48375
53569	106160	Oecanthinae	14938	100551*	
106125*	14971*	Oecanthus nigricornis group	14938	biochemistry	19429
Hungary	14991*	Oecetis	53573	69190*	19430
95613*	14999*	Oechalia consocialis SEE Oechalia	106130	breeding	19692
in literature	43334	schellebergi	105048	culture	48375
larvae	14965	Oechalia schellebergi	95391	Africa	28734*
53567	64269*	Oecophoridae	105270	China	48937
mountain areas	14982*	Oecophylla longinoda	14086	49550	101047*
life history	43389	Oedaleus senegalensis	14086	conferences and congresses	79368*
Lithuania	53592*	Oedemagena SEE Hypoderma	94910*	Czechoslovakia	69366*
Madeira	95624	Oedemeridae	83860*	Lebanon	79221
Mexico	43336	Oedipoda coerulescens	43323*	Middle Western States	89976
migration	43344	Oedipodinae	33482	Poland	38877*
names	43338	Oedogonium	9508	Sweden	19686*
Nigeria	53567	77457	18579	69353*	38889*
nomenclature	14972	Oedogonium cardiacum	9508	Tropics	79368*
nymphs	14951	Oenomaea n g	94728	USSR	1641*
106138	106141	Oenopia	73576	fertilizers	101055*
parasites	5066*	Oenothera	18971*	fungus diseases	47396
Pennsylvania	43390	anatomy and physiology	19140*	genetics	78261
phylogeny	43350	cytology	18577*	harvesting	28461*
population	64281	genetics	47914*	India	19540
preservation	43335	hybrids	18971*	industry	54950
rearing and breeding	43333	morphology	726*	pest control	23267*
Rennell Island	106129	pollen	19140*	pests	17933*
reproduction	43362	pollination	23860	seeds	19692
95639	106127	Oenothera argentea	89346*	spraying and dusting	84577*
Republic of South Africa	14940	Oenothera berteriana	19144	Thailand	10527*
respiration	106107	anatomy and physiology	1060*	varieties	
Rumania	106143	1060*	28021*	China	101062*
Southeastern States	43346	genetics	763*	India	45154
Sweden	95597*	germination	89679*	Iowa	28435
taxonomy	14972	hybrids	28021*	Lebanon	79221
106151*	95655	Oenothera biennis	58382	Sweden	38888*
Texas	95614	Oenothera campylocalyx	38392*	101058*	48943*
Tropics	23958	Oenothera cardiophylla	47907*	USSR	90213*
Utah	43382	Oenothera coronifera	17775	SEE ALSO names of oil plants	
variation	5618	Oenothera hookeri	37896*	Oil-spot	
vision	14955	Oenothera longiflora	618*	tea	68205
water relations	106143	Oenothera odorata	18766*	Oilcakes SEE Oilmeal	
West Indies	106162	89679*	38392*	Oilmeal	
Western Hemisphere	43371	Oenothera rhombipetala	9548	analysis and composition	7330
Yugoslavia	43373	68614	27808	55636	25110*
Odontacarus audyi	95606*	Oenothera scabra	89346*	55665*	107711*
Odontaeus armiger	73532	Oenotheraceae	27519a*	feed	12484*
Odonteucoila	94921	Oesophagostomiasis SEE Nodular	51707*	54701*	85553*
Odontioda	84112	worms	62297*	fertilizers	50097
Odontites	39315	Oesophagostomum	104698	industry	99299
Odontites serotina	38250*	Oesophagostomum asperum	104698	prices	97252*
Odontites verna	9356*	Oesophagostomum bhandarai	104698	processing	7337
Odontocera	36888*	Oesophagostomum columbianum	93640	bibliographies	54719*
Odontocheilopteryx	23630*	Oesophagostomum dentatum	42532	spontaneous combustion	107777
Odontochila	14903*	Oesophagostomum radiatum	13121	statistics	45106*
Odontoglossum	14903*	Oesophagostomum venulosum	13674	storage	7309
Odontoglossum	94947*	Oestriasis SEE Myiasis	105700	26036	107750
Odontomutilla	39315	Oestridae	5244	12484*	107711*
Odontonotus	95311*	23718*	63448*	vitamins	12484*
Odontoperas	105827*	Oestrus ovis	5224	Oilpalm SEE African oilpalm	
Odontopus nigricornis	84149*	Ogmocotyle indica	23153	Oils and fats SEE Fats and oils	
Odontopygidae	5419	Ogulina SEE Bireta (Ogulina)	63086	Oilseeds	
Odontotermes	94729	Ohakunea	14604	analysis and composition	7287
Odontotermes obesus	5490	Oidium	77680	48375	75485
95660	5605*	Oidium heveae	77778	55675*	107718*
Odor	14184	Oil insecticides	27217a	bibliographies	107772
animals	22894	apple pest control	63632	associations	75732
effects on <i>Aedes aegypti</i>	91920	citrus pest control	105308	conferences and congresses	75698
14326	13992	83399*	83419*	97215	
effects on ants	105882	effects on cucumbers	23237	costs and returns	76387
effects on <i>Apis mellifera</i>	14326	effects on grapefruit	14177	107701*	76410
14304*	14312*	effects on <i>Grapholitha molesta</i>	23047	fat and oil content	7287
14321*		effects on <i>Phormia terraenovae</i>	105021	futures	45176
				India	19540
				industry	45152
				marketing	7337
				Gambia	7265

\*Text of this reference is not in English.



Item				Item				Item			
Oilseeds-- Cont				Olethreutidae-- Cont				Olive oil-- Cont			
marketing--cont				habits and behavior				storage			
India	45117	45125	45147	larvae	14192	105966*		Syria		55606*	
45185	45188	45190		mortality		33353		tests	26023*	107781*	
pests			94438	parasites		84079*		trade		56970*	
policies and programs			7318	populations		14103		Spain		98316*	
26111	45174	55668	26124*	pupae	33353	94384*		SEE ALSO UNDER Pools			
prices			85937*	Olethreutinae	105954	106022*		Olive paste		107766*	
processing	65994	75485	35149*	Olfactometer		84822		Olive scale SEE <i>Parlatoria olea</i>			
35179*	35192*			Olfactory sense SEE SUBHEAD smell				Olives			
bibliographies			107777	UNDER Insects and names of insects;				analysis and composition		35150	
products			45172	names of animals				35216	55648*		
bibliographies	107771	107778		<i>Olibrus affinis</i>		83856		anatomy and physiology		48091	
pests			94438	<i>Olibrus liquidus</i>		83856		48121	68888	100375	905*
trade	67383	76721		<i>Oliganthes</i>		17634*		28176*	37898*	37950*	38035*
regulation and inspection		94438		<i>Oligia dubia</i>		105974*		38384*	47946*	89954*	
reviews		7283		<i>Oligia versicolor</i>		105974*		bacterial diseases		68252	47428*
situation and outlook	55630	97207		<i>Oligodranes</i>		14683		bibliographies			90309*
7331*	75070*	107701*		<i>Oligomerus ptilinoides</i>		63713		biochemistry		1312	48640*
statistics	7309	26036	55258	<i>Oligonychus</i>		5106		48641*	89954*		
65680				<i>Oligonychus bicolor</i>		63720		breeding		69725*	
Colombia			75070*	<i>Oligonychus coffeae</i>	14161	14162		chemistry		35184*	
Europe			67272*	63566				Colombia		101164*	
India	45147	45190		<i>Oligonychus pratensis</i>		4785		conferences and congresses		97190	
Japan		107750		<i>Oligonychus terminalis</i> SEE <i>Oligonychus</i>				7329*			
storage	26128	94438		<i>Oligonychus ununguis</i>	32914*	94467*		contamination		35216	
trade	67383	76721		105588*				cooperatives		97198*	
Canada		27214		<i>Oligosaccharides</i>		64748*		costs and returns	19786*	35911*	
Europe		98264		effects on <i>Aspergillus</i>		9641		culture	59518	101145*	
European Economic Community		67272*		in beans		58997		Angola	59524*	69722*	
India		45176		in <i>Candida solani</i>		10237		California		101149	
Italy	107701*			in coffee		24620*		Chile		90302*	
Spain	8269*			in cucumbers		99219*		China		101141*	
USSR	46393			in <i>Dahlia</i>		28326		Italy	19781*	19786*	19798*
waste	107713*			in <i>Phyllosticta</i>		89349		19799*--19801*	37950*	90311*	
SEE ALSO names of oilseeds				in soybeans		38592		Lebanon		101145*	
Ointments		73156		in tobacco		99219*		Mediterranean area		1752	
Okoubaka aubrevillei		17686		in wood		21650		79465			
Okoume SEE <i>Aucomea</i>				<i>Oligotrichum hercynicum</i>		67899*		Spain	1739*	79467*	90299*
Okra				<i>Oligotrophus</i>	23386	42788		Tunisia		79451*	
culture	20119	69942		<i>Oliniaceae</i>		26851a*		diseases	301*	27030*	
fertilizers		60513		Olive fruit fly SEE <i>Dacus oleae</i>				ecology		47625*	
fungus diseases	9139	37214		Olive oil				fermentation		75298*	
genetics	37843	18732*		acids	16315*	97243*		fertilizers	29778	37989*	91056*
nematodes	9139	27372a		adulteration	26016*	26023*	45168*	fungus diseases			
packing		55105		45170*	75712*	107709*		California		27089a	47391
pests	14088	42973		agreements		56970*		control	341*	27084a*	
varieties		29117		analysis and composition		97203		47308*	77730*	83436*	99491*
weed control		90690		7270*	7285*	26016*	26018*	Greece		88849*	
<i>Olabidocarpus</i>		94755		26024*	26051*	26056*	26092*	Portugal		57990*	
<i>Olabidocarpus aitkeni</i>		14471		26100*	26101*	35210*	45145*	Sardinia		37286*	
<i>Olacaceae</i>	27456a	68420		45159*	45168*	45170*	55575*	Tunisia		52967*	
<i>Olex</i>		27456a		55642*	75674*	75677*	75691*	hardiness		28176*	
Old age	8078	27099	46111	75712*	86260*	86274*	86301*	harvesting	66484*	90298*	90311*
87526				86303*	86304*	86317*	97243*	harvesting equipment	33722*	95855*	
Netherlands		76719		97253*	107709*			industry	66036	16320*	26152*
New York		46119		bleaching		86278*		injuries		18014*	
Vermont	67170	98087		chemistry	7269	97264	26113*	irrigation	37950*	47946*	
Old-age insurance	35502*	35507*		75717*				Italy		55689*	
56129*	56845*	108128*	108152*	contamination		86260*		labor		56206*	
Old-house borer SEE <i>Hylotrupes bajulus</i>				extraction	16312*	35147*	45162*	mechanization		24047*	
<i>Oldenlandia umbellata</i>		47708		55586*	66035*	107754*		morphology	635	27473a	27561a*
<i>Olea europaea</i> SEE <i>Olives</i>				extraction equipment	16331*	97250*		47768*	58224*		
<i>Oleander</i> SEE <i>Nerium</i>				107726*				nutritional deficiencies		18867	
<i>Oleander scale</i> SEE <i>Aspidiotus hederæ</i>				hydrogen-ion concentration		26077*		38035*	38330*		
<i>Oleandomycin</i>	4519	83644	12892*	86269*				pest control			
<i>Olearia</i>		36770		hydrogenated		75731*		biological		14181*	14197*
<i>Olearia nummularifolia</i>		78927		hydrogenation		97264		23310*	32837*	42668*	42696*
<i>Olearia paniculata</i>		91736		industry	65990	16320*	55594*	63638*	83441*	83442*	105251*
<i>Oleic acid</i>	16306	31876	55605	107700*				105262*			
55613	75717*	75748*		Italy		26087*		chemical	52962*	63656*	94376*
<i>Oleocellosis</i>		100136		marketing		26040*		105318*			
<i>Oleoresins</i>	97208	61525*	81539*	oxidation	55572*	65976*		Greece		23320	23322*
analysis and composition		97208		policies and programs		16316*		Italy	14197*	23334*	27030a*
in <i>Agathis</i>	61518	61519		processing		26077*		32837*	42703*		
in bush redpeppers		38641		processing equipment		24047*		Libya		4845*	105262*
in <i>Pinus contorta</i>		61523		75733*				Mediterranean area		52974*	
in <i>Pinus elliotii</i>	21658	71522		quality	26113*	45170*	97253*	Spain	4860*	32818*	
in <i>Pinus ponderosa</i>		61524		regulation and inspection		26013*		tests	23323*	23324*	
quality		102999*		situation and outlook	26082	75683		Tunisia		94413*	
yields	102999*	103000*		55655*	97255*			Yugoslavia	52965	105317*	
<i>Oleoyl group</i>		97264		Greece		65997*		pests			
<i>Olethreutidae</i>				Italy	35182*	65996*	97246*	California		64079	
development		94384*		Mediterranean area		35198		dissemination		105751*	
food and host plants		105966*		55598*	66033*	66039*		Greece	105753	23322*	
geographic distribution		14103		Turkey		66061		Italy	42662*	63656*	83436*
94384*				statistics	65997*	75675*	97236*	83437*			
				107700*				Libya		105262*	

\*Text of this reference is not in English.

Item				Item				Item			
Olives-- Cont				Onions-- Cont				Onions-- Cont			
pests--cont				anatomy and physiology--cont				planting date	20164	59840*	
Tunisia	52967*			68713	69091	78517	89123	planting equipment		84453*	
Yugoslavia	105317*			100368	100493	19213*	27826*	prices		65470	
planting	39010*			47936*	58561*	68590*	68832*	processing	25486	107331*	
policies and programs	35193*			89359*	100270*	100384*		propagation		58492	
96098*				biochemistry	1309*	38571*		proteins		99940	
processing	85869	26014*	55689*	chemistry		54973		quality	65470	39919*	70762*
65985*				cleaning equipment		55202*		107331*			
production regions	1739*	90299*		contamination		75273*		seed	33925*	39919*	69987*
propagation	39005	905*	39018*	costs and returns	107266	76420*		seeds		10899*	89677*
101158*				87227*				Hungary			39361*
properties			35184*	culture	49355	69980		Japan			47936*
pruning	101150	39004*	49062*	Australia	29098	79686		storage			89430*
49067*	69727*	90311*	101161*	China		101413*		USSR	39381*	39413*	39423*
pruning equipment			33639*	Denmark		101385*		43834*	44557*	80396*	
situation and outlook	55657*	74299*		Germany				situation and outlook	44549*	44557*	
97255*				East Germany		79719*		soils		11325*	
soils	48091	68888*		Great Britain		39352		sprout prevention		25486	
spoilage		15934		Hungary		49399*		statistics	65367	65648	107422
spraying and dusting		18014*		India		101412		16070*	85889*		
statistics		66030		New Zealand		10934		storage		107331*	
storage		97186*		Poland		59840*	90490*	diseases		55150*	
thinning		101151		Republic of South Africa		1992		Finland		58492	
transportation		90298*		Texas		69955		Japan		85874*	
varieties	28176*	38996*	49065*	USSR	39341*	39366*	39381*	New York		25486	
86274*				39423*	69987*			structures	33925*	43834*	
waste	22729*	26087*	35210*	cytology	686	18515	27506a	temperature		18783	
65227*	86269*	107710*		27646	28317	37631	37673	taxonomy		1309*	
weight and measurement			26113*	58225	58293	68422	68497	toxicity		41634*	
yields			48091	68558	78178	89160	89208	trade			
Olotelus			23581*	100015	598*	9440*	18591*	Japan		36302*	
Olpidiopsis			47011	37632*	37696*	47736*	58233*	varieties		49355	
Olpidium brassicae	18075	18363		58246*	78128*	78166*	89237*	Denmark		101385*	
27315a	37480	58065	77879	99940*	100002*			Finland		58492	
88890				disease resistance		18752		Netherlands		39396*	
Omalaspis			43209	diseases		68011		Poland	90502*	96856*	
Omalinae			43005*	enzymes		6758		Rio Grande Basin		20164	
Omalus intermedius			33322	fertilizers	29774	69091	29728*	USSR	39349*	57141*	58561*
Omasal fistula			104729	39919*	80396*			100002*	101369*		
Omasum	3528	3632	22201	flavor and odor		54973	54978	virus diseases	47493	99618*	
72141	63114*			75222				vitamins		57141*	
Ommata			23630*	fungus diseases	18752	37242		weed control			
Ommexechini			14917	68184				chemical	29184	29294	2066*
Omnivorous leaf tier SEE Cnephasia				Australia		332		49460*	70067*	75273*	101528*
longana				control	18231	18054*	27219a*	101533*			
Omocerus (Platytauroma)			43028*	27258a*	47361*	99477*	99539*	yields	10899	69091	78229
Omotonus n g			42969*	chemical			99266*	99726			
Omphale			53433	France			57947*	Bulgaria		39919*	
Omphalia flavida	37304		99454*	Hungary			37365*	California		88955	
Omphalitis			31475*	India		9096	27193a	Poland		89359*	
Omphalodes			67863*	Norway		88816*	88817*	USSR	29774	39413*	70762*
Omphalophlebitis			31475*	Poland		55150*	58001*	80396*	101369*		
OMU SEE N-Cyclooctyl-dimethylurea				United Arab Republic		37331		Oniscidae		5090	33047*
Onagraceae	77386	88364	105884	genetics		18752		Oniscoidea			
Onchocerca	62337	103360		germination		89554	89430*	anatomy and physiology		23558	
Onchocerca volvulus			83239	grading and standardization		15988*		63876*	94751*		
Onchocerciasis				grading and standardization				cytology		63896*	
Angola			4725*	equipment	55202*	107299*		fungi		105574*	
buffaloes			62337	harvesting equipment		33696*		genetics		63877*	
cattle		103660	103739*	hybrids		1961*	90502*	Tasmania		5084	
man	4698	52768	52822	industry	25302	54966	65367	Oniscus asellus	42923	73516	
transmission			83239	irradiation	25493*	85874*	96907*	73548	105562	14467*	
Oncidium	69934	79597	101328	irrigation			70762*	Oniticellini			14494*
Oncidium cucullatum			26904a	losses			9652	Oniticellus fulvus		105139*	
Oncidium nubigenum			26904a	keeping quality			96856*	Onobrychis SEE Sainfoin			
Oncocephalinae			95260*	male-sterile		68630*	100061*	Onoclea sensibilis	155	48277	
Oncodelphax n g			64131*	marketing			65470	68453	27627a*		
Oncopeltus fasciatus				mechanization		33532*		Ononis		88296*	
anatomy and physiology			84037	morphology	9652	78229	89115	Ononis arvensis SEE Ononis hircina			
bacteria			14733	27572a*				Ononis hircina		79907*	
control			4645	nematodes	37506	58115	88905	Ononis spinosa		59941*	
diseases			73709	99675*	99730*			Onopordum		8658*	
molting			95186	control	37510	47595	88955	Onosma		26830a*	
rearing and breeding			53420	99726	99674*			Onosmodium occidentale oil		55585	
Oncopsis			95179*	Norway			88949*	Onthophagus	63908*	83816*	83876*
Oncoscelus n g			94700	Poland			77949*	94862*			
Ongokea klaineana seed oil			45104	USSR			68330*	Onthophagus catta	105670	105671	
Onion bulb fly SEE Eumerus strigatus				pest control				Onukia		53398	
Onion maggot SEE Hylemya antiqua				chemical		83335*	94327*	Onukiades n g		53398	
Onion thrips SEE Thrips tabaci				Minnesota			13960	Onychiurus	23968	73888*	84217*
Onions			6717	New Jersey			68011	106117*			
advertising			107266	New York			23241	Onychiurus burmeisteri		53556	
analysis and composition			54978	Wisconsin			42423	Onychiurus burmeisteri tuberculatus		53556	
55452	75222			pests	32754	64028	69955	Onychiurus fimatus		53557	
anatomy and physiology			9652	5477*	43126*			Onychiurus imperfectus		53557	
18783	18955	27824	27974	planting	39348*	68832*	79660*	Onychiurus parthenogeneticus		53557	
38091	38131	58492	60111	101435*							

\*Text of this reference is not in English.



Item			Item			Item		
Onychiurus tuberculatus SEE Onychiurus			Opius concolor sicularis	14181*	63638*	Oranges-- Cont		
burmeisteri tuberculatus			83442*	84094*		disease resistance		77934
Onychophora	33048		Opius dissitus		5464	diseases		37083
Onychophytex Leo	72195*		Opius persulcatus		95096	equipment		43496*
Onygena piligena	8888*		Opius sicularis		32837*	fertilizers		
Oobius n g	84104		Opius trovato		43214*	Brazil		39939
Oocystis	77457	36962*	Opomyza australis		33199	Florida	38309	39922
Ooencyrtellus SEE Ooencyrtus			Opomyza capensis		33199	60505		60346
(Ooencyrtellus)			Opomyzidae		33199	India		20638
Ooencyrtoides SEE Ooencyrtus			Opopaea		83803*	Israel		20723*
(Ooencyrtoides)			Opophytum		46825	Japan	27905*	29823*
Ooencyrtus	64151	64163*	Opossums			29838*	37007*	38156*
Ooencyrtus kuwanae	33359*	84178*	reviews		104218	40031*	91096*	91133*
105868*			Opotegea		105936	Pakistan		101977
Ooencyrtus (Ooencyrtellus) n sgen	95317		Oppia	94678	73507*	Taiwan		100164*
Oogenesis			Opsius		14747*	Washington		11703
Apis mellifera		63735	Opsius stactogalus		73700	fumigation		55071
Aspidiotus	23776	23777	Opsonocytophagic index SEE Hemophago-			fungus diseases		37259
crickets		14916*	cytic index			18860*	37390*	55182*
Diadromus pulchellus		53439*	Opsonyssus ugandae		83775*	girdling		10632
Drosophila	105748*		Opuntia 36891	73669	79751	harvesting		45592*
Drosophila melanogaster		14616	101576	10436*	101575	industry		65365*
flies		105699*	Opuntia armulata cristata		52979	injuries	253	17951
insects	5399	94648	Opuntia dilleni		69274	58822	65457	47973
Macrosiphum rosae		105813*	Opuntia ficus-indica	42154	59054	irradiation		37496
Musca domestica		83255*	Opuntia fulgida		10101	irrigation	11703	40318
Panorpa communis		84211*	Opuntia polyacantha	556	101586	60626		50283
Pantala flavescens		73901	Opuntia spinosior		79799	labor		45592*
mites		14477*	Opuntia wrightiana		17812	marketing		34721*
Rhodnius prolixus		43181	Orancistrocerus n g		84105	microorganisms	25356	65441
Stenocranus minutus		53415*	Orange-flower water		86329*	nematodes	1091	47597
Tachycines asynamorius		23933	Orange juice			nutritional deficiencies		20700*
Tenebrio molitor		73585*	analysis and composition		15923*	pasteurization		34796
Oonops domesticus		14452*	25367*	55008*	55011*	pest control	23306	55071
Oophorectomy			canning		107362	141186	83447*	63622
cattle	72199	103616	color		55089*	pests		105769*
dogs		72377	concentrated	25515	44802	physiological diseases	100327	38156*
horses		82448	55104			prices	65567	76801*
rabbits		42112	consumption		44802	processing	34794	44792
sheep		82849	extraction		65457	65628	6882*	55123
swine	42276	104813	flavor and odor		55104	costs		107342
Oospora		57724*	frozen concentrates	65442	65447	Japan	25531*	34676*
Oospora lactis		51403*	65449	65541	75208	Spain	16041*	55181*
Oospora pustulans		16053*	irradiation		96877	properties		65457
Oospora verticilloides		18096	judging		6818*	proteins		65460*
Opatrum		14516*	industry		85702	pruning	10632	38226
Opatrum sabulosum		94377*	manufacturing equipment		107365	19797*		100327
Opegrapha		36995	marketing	15967	44320	quality	85721	65454*
Operculitermes n g		106167*	microorganisms	25356	107251*	69073*		65545*
Operophtera brumata	23336	23345	prices		44802	refrigeration		107361
84109	23314*	88781*	processing	6920	55209	55182*		16041*
Ophidocladus herposiphonioides		88477	24635*	85112*		rootstocks	253	38999
Ophiobolus graminis	351	9007	proteins		65460*	situation and outlook	44585	59511
37002*	37383*	68114*	sterilization		96877	25414*	34676*	25311*
Ophioglossales		88430	trade			size		44799
Ophiomyia	14674	23700	Brazil		85702	soils		58888
95078			vitamins		57143	China		102075*
Ophioneurus		43216	Orange-leaf			Florida		59511
Ophionyssus natricis	94066	33054*	rice		32790	Japan	29834*	39763*
Ophiostoma		78473	Orange oil	45142	45143	90835*		60085*
Ophiostoma multiannulatum		9801	97213	66023*		Republic of South Africa		70615
9887	47745	48141	Orange RN		55434	Spain		20700*
Ophiostoma roboris		99429*	Orange seed oil		35165	spoilage		34794
Ophrys SEE Listera			Orange II		55434	spraying and dusting		95922*
Ophrys ouritensis		77339*	Orange syrup		34825	spraying and dusting equipment		33781*
Opidnus		64168	Oranges			43660*		
Opifex fuscus		5352	analysis and composition		25372	statistics		66312
Opiinae	73751*	84080*	75198	85721	75213*	storage		96924
105876*			anatomy and physiology		1091	diseases	16023	34818
Opilia amentacea		89220	19031	19253	37984	44792	65628	44734
Opilio		105561*	38309	47597	47973	tests		55182*
Opiliones SEE Phalangida			58839	58888	68733	trade		57723*
Opiona		83762	107358	18860*	27905*	Canada		25365*
Opisthograptis luteolata	23911	43294*	58604*	69073*	89501*	Europe		98280*
Opisthorchis caninus		31564	biochemistry		100653*	European Economic Community		98290*
Opisthorchis felineus		52044*	California		10629	8306		25311*
Opisthorchis tenuicollis		62490	canned		44799	Germany	8306	8260*
Opium	62539	100622	comminuted		6882*	Italy		27241
Opius			consumer preferences		44627	legal aspects		108870*
as parasites		83441*	consumption	25381*	34721*	Japan		27223
Australian Region		95303*	contamination		55071	Spain	25311*	98280*
Costa Rica		95302*	55123		55078	27254*	76801*	98290*
Ethiopian Region	84080*	84081*	cooperatives		44666*	Tunisia		27253*
Neotropical Region		33310*	98226*		96787*	varieties	11703	36196*
Oriental Region		95303*	costs and returns		45890	Florida		107358
Palaearctic Region		105876*	culture	70615	20723*	India		66312
rearing and breeding		33309*	39022*	79474*	28778*	Italy		10634
Opius concolor	53431*	63638*	cytology		662	Morocco		65460*

\*Text of this reference is not in English.

	Item			Item			Item	
Oranges-- Cont			Orchidaceae-- Cont			Organic compounds-- Cont		
varieties--cont			nomenclature		77403	in plants		100426*
Pakistan		107362	pest control	9247	37161	reviews	48273*	48618*
Portugal	58604*	100653*	83481*			insecticides	52704	32620*
Republic of South Africa		1748	pests	53402	105328	nematocides		77977
39007	101155		planting	10745	10762	Organic farming SEE Soils, management,		
Spain		2357*	59716			biological aspects		
Tunisia		36196*	pollination			Organic phosphorus insecticides		
virus diseases	27337a	18285*	products			antidotes	42531	105147
55011*	99665*		propagation	28960		application		32593*
vitamins		75213*	Republic of South Africa			cattle pest control		42523
yields	39007	39025	seeds	9533	27238a	cattle parasite control		41656
60626	28094*	100164*	37938			chemistry	23081*	32636*
SEE ALSO Mandarin oranges; Sat-			shows		10719	73040*	83206*	104965*
suma oranges; Sour oranges; Tan-			soils		28323	105081*		
gerines; Trifoliate oranges			taxonomy	8747	26862a	China		105060*
Orasema		33319	90378*			corn pest control		63542
Orasema assectator	33305	33319	terminology	10692	28993	currant pest control		42711
Orasema initiator		33319	39260			determination	23075	32592
Oraura SEE Bireta (Ouraura)			Thailand			32601	106557	
Oravelia n g		33254	trade		36794	effects on animals	13966	32630
Oravelia pege		33254	varieties	10843	36811	63451		
Orbiculobates		94678	101301			effects on Apis mellifera		105421
Orcein		8568	Venezuela			effects on Brassica		23264
Orchardgrass SEE Dactylis			virus diseases	9247		effects on cattle		42523
Orchards SEE UNDER Cover crops;			37478			effects on enzymes	13966	23094
Fruit; and SUBHEAD seed orchards			weed control	11070	20285	effects on insects	32630	32636*
UNDER Trees			Orchids SEE Orchidaceae			effects on man		42552
Orchesella		33507	Orchis		144*	effects on Musca domestica		32573
Orchesella cinta		14943*	Oregma bambusae		53017	52723	105421	
Orchesella rubra		33507	Oreocera n g		14875*	effects on plants	13966	32628*
Orchestes fagi SEE Rhynchaenus fagi			Oreodera		63983*	32634*		
Orchidaceae		88371*	Oreophysa		91	effects on poultry		63451
Africa	39182	88398	Oreopolus		26890a*	effects on Tetranychus telarius		32639
anatomy and physiology		38312	Oreopotosia SEE Potosia (Oreopotosia)			fly control	14031	23167
48051	48338	58930	Oreopsyche pyrenaella		105933*	105103*		
associations		10690	Oreopsyche tabanivicinella		105933*	fruit pest control		23294*
Australia	28945	36916	Orfilaia		94845*	hazards and safeguards		13963
biochemistry	58984	59063	Organic acids			104965*		
38530*			effects on Fusarium culmorum		38443	human pest control		94040*
Brazil		77336	effects on grain		78886*	in agricultural products		24351
breeding	79580	79581	herbicides		90718	64746		
collecting and preserving		26864a	in Agaricus campestris		69248*	in carrots		63591*
28944	28973	98879	in barley		58547*	in feed		23167
Costa Rica		77335	in blood		21923	in food		74332
culture	19977	28961	in Bombyx mori		94606*	in forage plants		23165*
39200	43798	43799	in citrus	38527	68733	in fruit		75210
49202	59729	64640	in fats and oils		55566	in livestock products		63451
77326	79590	101279	in food		26295	in plants		63634*
101311	101342	101357	in fruit		44765*	in vegetables	63525	75210
Australia	10844	10846	in fruit juices		65459*	insect resistance	13958	13961
39217	39251	69918	in grain		34879	32573	32586	52723
Fiji		10752	in grapes	44796	38532*	52890	73118	23093*
Florida		79579	58858*			livestock pest control		23116
Germany		11615	in Kalanchoe diagremontiana		37960*	manufacture		83124*
India		49177	in Kalanchoe laxiflora		37960*	metabolites		23045
Japan		49260*	in lupine		27991*	mite control		52736
Malaysia	10736	28953	in Mucorales		10025	mite resistance	23024	32639
Netherlands		59710*	in Nectria galligena		38162*	42449	52701	32607*
Southwestern States		39246	in onions		100384*	mosquito control		83230
Spain		90378*	in pears		34838	olive pest control	23322*	23324*
Texas		101335	in Penicillium islandicum		100730	42703*		
cytology	8576	27617a	in plants	10223	19084	ornamental plant pest control		83497*
17657*	68568*	78114	19432	78425	18851*	pear pest control		73279*
Delaware		88366	59025*	100295*		poultry pest control		23167
disease resistance		27004a*	reviews		78885	residual effectiveness		23324*
diseases	37161	99234	in potatoes		37453	sheep pest control	14008	14060
District of Columbia		88366	in ruminant physiology		3272	synergism		32634*
Europe		26883a	in safflower		8995	tea pest control		32799*
fertilizers	11607	70519	in semen		22014	tests	43896	83230
50019*	60419*	29698*	in sheep physiology		4413	tick control	4729	32588*
fungus diseases		27238a	in silage	12517	75056	toxicity	73040*	104965*
germination	37938	100311	in soils		60173	cattle		63446
Great Britain		88416	in soybeans		89688	livestock	105147	4631*
hardiness		39217	in Suaeda macrocarpa		100578*	73078*	83229*	105093*
Himalayas		88406	in sugar beets		35370*	man	42531	94004
Hungary		88409*	in sugarcane		55918	poultry		94007*
hybrids	39226	39272	in trees		69234*	soil fauna	63501	93937*
illustrations		17518	in vanilla		85101	USSR		13965*
in philately		79557	in vegetable juices		65459*	wheat pest control		73232
India	8745	57584	in vegetables		25523*	Organic tin insecticides		83508
irrigation		29952*	in wheat	8995	48312	Organizations	27127	46259
Japan	88420*	88421*	in Zantedeschia aethiopica		89797*	87555	87556	98203
judging		49249	Organic chlorinated insecticides SEE			98223		98204
Malaysia		10724	Chlorinated hydrocarbon insecticides			Asia		56909
Maryland		88366	Organic compounds	33986	33993	Australia		87547
morphology	9533	27596a	fungicides	80728	32620*	Belgium	56905*	98222*
New Zealand		67832	in oats		19033	California	17095	98205

\*Text of this reference is not in English.



	Item					Item					Item			
Organizations-- Cont					Oribatei-- Cont					Ornamental plants-- Cont				
Canada	67209	76678	87540		Europe	14465*				culture--cont				
87552	98202	98207	98216		evolution	53226				Minnesota			90251	
98217	17105*				France	42952*				Netherlands	28933*		39122*	
Ceylon			74637		Great Britain	42948				Netherland				
Colorado			76663		Hungary	14462*				New York			39284	
Denmark	35668*	67212*	67223*		Macquarie Island	94795				New Zealand			49233	
directories	17098	17103	27130		populations	42891*				North Carolina			39203	
Europe	87557	67215*	87537*		preservation	53214				Norway	10587*	28966*	39202*	
finance		8143	76680		rearing and breeding	53214				39232*	69841*			
France	56684*	66360*	76661*		Republic of South Africa	14482				Rumania			1898*	
76671*	98249*	108253*			63890					Southern States			8916	
Germany		46253*	97716*		Sweden	23547				Sweden			28777*	
East Germany		46241*	46243*		taxonomy	63871	14439*	63868*		Switzerland			101349*	
46252*					94784*					USSR	10839*	19938*	79544*	
Great Britain		17099	27134		Tropics	53226				diseases		17965	27065a*	
56908	67210	67226	76681		USSR	14426*	42908*	83795*		Australia			77583	
87535	108773				Utah	94727				control	274	17937	17965	
history			87558		water relations	94756				Australia			99211	
Austria			87544*		Western Hemisphere	42955				Canada			68059*	
Canada			17060		Western States	5116				Florida	68004		68005	
Germany			46258*		Yugoslavia	42919*				France			47080*	
Maryland			98225		Oribatoidea	42930*				Germany				
Switzerland		17092*--	17094*		Oriental beech SEE Fagus orientalis					East Germany			47138*	
Virginia			87559		Oriental cockroach SEE Blatta orien-					Pennsylvania			37116	
Idaho		67218	67219		tal					Wisconsin			77625	
Illinois	17096	56912	76665		Oriental fruit fly SEE Dacus dorsalis					Germany			17964*	
76666					Oriental fruit moth SEE Grapholitha					District of Columbia			101295	
India		17091	46255		molesta					drought resistance			90465*	
international		67417	108775		Oriental house fly SEE Musca domestica					encyclopedias			79416	
67214*	67685*				vicina					Europe			10774*	
Ireland		87548	98210		Oriental rat flea SEE Xenopsylla cheopis					fertilizers	11496	11497	11568	
Italy			96662*		Orientin	59028				20644	91027	91106	102019	
Jamaica		8146	67220		Orientobilharzia dattai	12577				78911*	100332*			
Jersey		87551	89219		Oripoda	42955				Alabama			29699	
Kansas			76667		Orius	5397				Australia			50104	
Latin America			109216		Ormosia	57613	94999			Brazil			90390*	
Malaysia			87561		Ornamental plants					Michigan			70518	
Maryland			67224		acreage and area	107405*				Netherlands			40091	
Massachusetts			76669		advertising	86544				Florida			49270	
membership			46259		anatomy and physiology	27996				for various situations			10831	
Mexico			46242*		28191	38007	39159	68694		10892	20008	20052	79554	
Michigan	27129	56919	76670		68776	78760	100310	9729*		90433	59751*	69896*		
87546					18878*	38450*	89649*	89715*		fungus diseases				
Minnesota			98214		48324*	100332*	100391*			Canada			8984	
mountain areas		8144*	67227*		annuals	10712	28992	29008		control	18179	37323	88838*	
87533*					29222	39159	49254	101336		88577*	88790*			
Netherlands	17100*	56941*	67229*		Canada	69868	69901	90464		Lithuania			27263a*	
98213*					Estonia			69933*		Norway			9131*	
New Zealand			108771		Great Britain			10767		USSR			47195*	
Northern Ireland		27138*	76676*		Massachusetts			90386		germination			18936	
87560*					Montana			59730		Great Britain		59746	79600	
Oklahoma			17101		North Carolina			39203		hardiness		59732	1038*	
Pennsylvania		27132	76675		USSR			69922*		Hungary			10774*	
Peru			98221*		bacterial diseases		9182	9190		hybrids			69871	
Poland			56913		biochemistry			48563		illustrations			79607	
56914	56917	67213	67234		breeding	20024	29031	69871		industry		107989	89649*	
73954	87541	98208	17097*		79588	58377*	79428*	88266*		Belgium			45385*	
36138*	76664*				color	10891	59058	20063*		Denmark		54924	101298*	
public relations			87536		39232*					France			34658*	
Republic of South Africa			8148		cooperatives		26378	75924*		Germany	35403*	48324*	66314*	
Scotland		17104	87553		97857*					Israel			97533	
Sweden	27126*	67221*	67222*		costs and returns		26949*	35406*		Japan			35406*	
98220*					35907*	56573*	56576*			Netherlands			46375*	
Switzerland	8144	27128*	27133*		culture	10570	10712	26902a		injuries	8967	68694	39465*	
36143*	67227*	67230*			28949	29008	49189	49193		88585*	88590*	88626*		
SEE ALSO SUBHEAD associations					49259	49262	59694	59743		Florida			37106	
UNDER specific subjects					74232	79560	90385	90399		France		37123*	88664*	
Organognathus			83768*		101318	101338	101445	102019		Georgia			265	
Organotn			81393		29009*	29014*	49269*	69919*		Netherlands			39466*	
Orgilus obscurator			53011*		Australia			10738		New Zealand			8898	
Orgyia obscurator			53011*		Belgium		49234*	49235*		Pennsylvania			264	
Orgyia antiqua	94403*	95411*	95551*		Brazil			90390*		irrigation		2527	29699	
105395*					Canada			69881		Italy			45380*	
Orgyia aurolobata			43236*		Czechoslovakia			79428*		Japan			79627*	
Orgyia gonostigma			43236*		Europe			29014*		Latvia			10792*	
Orgyia pseudotsugata SEE Hemerocampa					Finland			1038*		marketing	26833	55058	79560	
pseudotsugata					France		10740*	69907*		Florida			66317	
Orgyidae SEE Lymantriidae					Germany	11506*	59691*	90437*		Netherlands			44651*	
Oria musculosa			5494		101349*					Northeastern States			66304	
Oribatei					East Germany			49192*		Poland			66311*	
Africa			73507		Great Britain		49195	101286		Martha's Vineyard Island			98748	
anatomy and physiology			53226		India			69898		nematodes	4791	27362	47592*	
5064*	14439*	63868*	94721*		Ireland			20085		California			68310	
and disease			94042*		Italy			10859*	69663*	control	18401	58128	88577*	
Argentina			94678		Japan	79589	10697*	10698*		Eastern States			77955	
Czechoslovakia			14486*		10810*	19937*	20019*	20038*		New Jersey			37509	
development			94784*		20048*	28778*	28968*	59711*		nomenclature			49257	
ecology	94769	33065*	94042*		79543*									
94676*														

\*Text of this reference is not in English.

			Item				Item				Item
Ornamental plants-- Cont				Ornamental plants-- Cont				Ornithodoros apertus			94796
nutritional deficiencies			68813	virus diseases	83384	27279a*		Ornithodoros capensis group			32681
perennials	79607		20275*	47519*	63668*			Ornithodoros compactus			94796
Germany				weed control				Ornithodoros coriaceus			94718
East Germany	49469*		53619*	California	29160	29231		Ornithodoros erraticus group			83805*
Hungary			28959*		29353			Ornithodoros lahorensis	63477*		63488*
New Jersey			20021	Canada		68059*		Ornithodoros moubata	42938		73518*
Norway			90424*	chemical	11002	11099		Ornithodoros moubata group			94796
USSR	10696*	49166*	49224*	29333	49408	90692		Ornithodoros (Ornamentum) n sgen			94695
pest control	4877	14216	17937	29243*	59972*	88577*		Ornithodoros porcinus	94796		14479*
42674	52976*			Germany				Ornithodoros sparnus			5094
Australia			32584	East Germany		49469*		Ornithodoros (Subparmatum) n sgen			94695
California			32874	Iceland		79801*		Ornithodoros talaje	94716*	105097*	
Canada			68059*	SEE ALSO Flowers; House plants;				Ornithodoros tartakovskyi			73524*
chemical			77625	names of ornamental plants; and				Ornithodoros zumpti			14082*
USSR	42594*	52981*	52985*	UNDER Greenhouse culture				Ornithodoros SEE Ornithodoros			9483*
52990*	94420*			Ornamental trees	79573	101331		Ornithogalum			28938*
France	47080*	52982*		101351*				Ornithogalum arabicum	28938*	39131*	
Germany				anatomy and physiology		27998		Ornithogalum caudatum	89459	37650*	
East Germany			47138*			9776*		Ornithogalum nutans		36936*	
natural			63441	bibliographies		20067*		Ornithogalum thyrsoides		29255*	
Netherlands			42570*	culture	1880	29007		Ornithomya	23673	33170*	
New Jersey			14213	79552	79613			Ornithomya avicularia	23114	33489	
Oregon			14221	Denmark	10813*	20062*		Ornithomyia SEE Ornithomya			53179
tests			14223	Great Britain				Ornithonyssus			94686
pest resistance			28952	Norway				Ornithonyssus bacoti			23138
pests			52986*	Denmark				Ornithonyssus sylviarum	33061	42551	32689*
California			63586	dwarf		10716		Ornithophilous plants			88326*
Canada	83384		94352	fertilizers		70591		Ornithoptera rucifollis			43294*
France			52977*	hardiness		88559		Ornithopus sativus SEE Serradella			
Great Britain	63670		83310	history		79622		Ornithosis			3229*
Greece			23091	introduction		69886*		control			93360*
India	4791		73287	Italy		10714*		Czechoslovakia			41385*
Italy			14194*	Japan		35390*		diagnosis			93342*
New York			52989	legal aspects		90444*		ducks	93215*	93239*	62929*
Pennsylvania			83489	Massachusetts		20098		geese			12653*
reviews			42726	Mexico		28983		Germany			51544*
USSR			14217*	Norway		20065*		man			92950*
Philippines			90457	pest control	73280	23348*		mice			93320*
plant parasites			90735*	52990*		32872*		Poland			72648*
planting			101337	pests		73287		poultry	22675	52284	104343*
28964*	69908*			planting	1880	10695		Bulgaria			93373*
prices			45849	39287*	101312*			control			4229
propagation	274	19950	19974	propagation		101355*		diagnosis			93180*
by cuttings		10691	10717	pruning	49278	79576		reviews			104417*
10800				90448	90458	49156*		India		62887	93334
by grafting and budding			10589*	rootstocks				Rumania			93203*
by layering			78760	Rumania				transmission			93181*
pruning			1883	Scotland				to man			93340*
research methods				statistics				USSR			93371*
linear programming			45849	Sweden	19992*	20027*		sheep			13721
seeds	37036	101445	28974*	20046*				swine			32452*
shows			20051	Taiwan				turkeys			93215*
soilless culture			69889*	transplanting				virus	12717	93177*	93360*
soils	11869	91027	101286	USSR				Orobanchaceae	735	36889	37756
10854*	36996*	91066*		varieties	1824	1841		Australia		39571*	68640*
spraying and dusting			37115	1854	1860	1890		biochemistry		28364*	89781*
statistics	66296	65641*	75925*	19946	20097	49164		control		29291	10988*
86549*	107985*			79594	90417	90478		Sweden			2035*
trade				Arizona		39184		Orobanche aegyptiaca			28214
Italy			108820*	Australia				Orobanche crenata			58690
USSR			27395a*	California				Orobanche cumana			77702*
varieties	10764	10780*	19738	Canada	69827	69888		Orobanche ludoviciana			60018
26902a	39206	49148	49199	69912				Orobanche nicotianae			37756
101275	101284	101290	10835*	Denmark				Orobanche ramosa	60018		90710*
101283*				Estonia				Ordesma apicina			95544
Arctic Region			10699*	Florida				Oronabis n g			105826*
Argentina			39319*	Georgia				Orosius maculatus SEE Pruthiorosius			
Australia	1882	10707	101303	Great Britain				maculatus			
California			28952	Hawaii				Orotic acid			47952
Canada	69859	69870	69863*	New York				in cotton			69170
Finland			69896*	Norway	20032*	39268*		in plants			31792*
Florida			59732	90456*				in poultry nutrition	31792*	31840*	
Germany			69879*	Southeastern States				in rabbit physiology	32150*	32157*	
East Germany			49147*	Sweden				Orphanobrentus n g			5141*
Great Britain	10891	59720		USSR				Orsillinae			5375
69848				Washington				Ortalotrypeta			105727*
Iowa			49024	Western States				Orthacris simulans			95584
Japan			20010*	Ornamentum SEE Ornithodoros (Orna-				Orthezia			5400*
Malaysia			69927	mentum)				Orthezia praelonga			33277*
Massachusetts			90386	Ornamicine		67938*		Ortheziidae			5400*
Nepal			90409	Ornithine	38562	47451		Orthocentrinae	105637*	105870*	
Netherland	77141	10784*		Ornithine transcarbamylase		9561					
39283*				31729	58472	100630					
New Zealand			10831	Ornithocheyletia n g							
Republic of South Africa			20049	Ornithodorinae							
Tropics			79564	Ornithodoros	32668	94242					
USSR	10696*	49166*	49229*	63491*							
Virginia			49254								

\*Text of this reference is not in English.



Item			Item			Item		
Orthocidae SEE Captan			Oryza sativa SEE Rice			Ostrinia nubilalis-- Cont		
Orthocladinae	43095		Oryzaephilus surinamensis			host plant relations	105247	94309*
Orthoclase	20420		as pests	14224		host plant resistance	14142	83289
Orthocrepis	94954*		control	13905	63682		94309*	
Orthognatha	33041*		cytology		14536	Iowa		42632
Orthohalarachne attenuata	42947		development		5170	Jammu and Kashmir		33388
Orthohalarachne letalis	32665*		Great Britain		4882	life history		23207
Ortholitha	14849	43272*	habits and behavior		4898	mortality	64206	83289
Orthopedics	71830	41764*	mortality		53010	outbreaks	14850	105157
Orthoperidae		83863*	Oryzopsis		20257*	oviposition		83360
Orthophosphates SEE Phosphates			Oryzopsis miliacea		58771	parasites	32742	42632
Orthoptera			Oscillatoria	28314	77457	43275*	84114*	
Afghanistan		84185*	Oscillatoria chalybia		68460	populations	64206	105247
Africa	5593	95585	Oscillatoria lanceaeformis		99032*	Virginia		63619
Albania	84187*	84199*	Oscillograms		77186	Ostrinia palustralis		53502*
anatomy and physiology		14910*	Oscinella frit			Ostrinia varialis		84160*
	33467*		adaptation		73207*	Ostrya carpinifolia		27450a*
Asia		5593	as pests	52848	105224	Oswaldoa		99057*
bacteria		33457*	control	32765	105239	Osyris alba seed oil		7302
Chad		23920*	habits and behavior		83362*	Othonna		46897
Colombia		73860*	host plant resistance		94296*	Othonna herrei		17650
cytology	14908	23929	USSR	42629*	83362*	Otidea atrofusca		47014*
43310*			Oscinella pusilla		73207*	Otiorynchinae		53293
desert areas	95587—	95590	Oscinides SEE Chloropidae			Otiorynchus		42674
ecology		5578*	Oscinosoma frit SEE Oscinella frit			Otiorynchus cribricollis		23200
Finland		84196*	Osier SEE Salix viminalis			Otiorynchus kaszabi		94809*
geographic distribution		5589	Osmaronia		68578	Otiorynchus turcicus		94809*
84188* 106088*			Osmic acid		12569	Otitidae	14680	14681
Great Britain	5589	73853	Osmodes		73826	Otitis SEE Ears, diseases		
identification		33462	Osmol WB 4		105361*	Otiotoidea		14691*
India	5598	106104	Osmopleura n g		105649	Otodectes cynotis	23117	23172
introduction		73852*	Osmoporos		57709*	Ottachana SEE Bireta (Ottachana)		
Israel		23919*	Osmosis	1158	2110	Ottelia alismoides		47821
Japan		84188*		9848	10012	Ouchterlony's method		68266
Malagasy Republic	53526	53527		19162	23558	Oudemansiella mucida		46996*
microorganisms		43311*		48181	68935	Oudemansiella platyphylla		47043*
Nearctic Region	95587—	95590		78669	89450	Oulema		23621
North America		33462		9968*	18984*	Oulema melanopa		23625
Oklahoma		5570		63959*	68142*	as pests	94287	94334
parasites		14642*		81385*	89461*	biology		42576
Republic of South Africa		106076	reviews		89655*	collecting		83910
Rumania		14923*	Osmotic pressure SEE Osmosis			control	23224	42648
Somali Republic		14909*	Osmunda	10745	10762	83387		
sonfication	14919	64256	Osmunda cinnamomea		100344*	dissemination		63587
95561* 95566*	95576*	106083	Osmunda claytoniana		100344*	flight		83910
South America		43318	Osmunda japonica		68488	Indiana		94859
stratification		5578*	Osmunda regalis	36939*	36942*	larvae		63981
taxonomy	14917	14922	Osmundaceae		640	Middle Western States		42576
95572 106086	73852*	73881*	Ossification	3823	62202	oviposition		63981
84185*			82510*		71766*	populations		63587
Tibet		106074*	Osteochondrosarcoma		92957*	Oulimnius		23583*
Yugoslavia		43325*	Osteochondrosis	62512*	82407*	Ouratea		8740
Orthosiphon grandiflorus		38465*	Osteomalacia		62412*	Outlook, agricultural SEE Situation and		
Orthosiphon stamineus SEE Orthosiphon			Osteomyelitis	3786	32514*	outlook; and SUBHEAD situation and		
grandiflorus			Osteopetrosis gallinarum SEE Lympho-			outlook UNDER specific subjects		
Orthosoma brunneum			matosis			Ova		
anatomy and physiology		14553	Osteoporosis	3879	41742*	cattle	41673	103730*
14554 33111	33112		Ostertagia	4417	72820	goats	22828	42195
biology		73594	32290*		22214*	72858		
larvae		73593	Ostertagia infestation SEE Stomach			hamsters		82503
Orthossus		94770*	worms			worms	82485	82490
Orthotomicus laricis		73584*	Ostertagia longispiculata		104731*	52142*		
Orthotomicus proximus		73584*	Ostertagia ostertagi		103776	rabbits	22734	62994
Orthotrichia barnardi		14987	Ostodes		142	104534	104546	104547*
Orthotylus arabicus		64130*	Ostreola n g		190	rats		82501
Orthotylus nigricollis		64130*	Ostriches		52330	reviews		3182
Orussidae	33314*	43223*	Ostrinia nubilalis			sheep	22816	52375
Orya panousei		53177*	anatomy and physiology		33354	104633	13706*	
Oryctes	42404	105654	64226 32742*	95472*	106056*	transplantation	104557	104584
Oryctes nasicornis		105652*	as pests		42598*	swine		72964
Oryctes rhinoceros			Austria		84114*	Ovarian cysts		
as pests	105305	32861*	biology	23900	84114*	cattle	31372	13044*
control	14180	52747	cold hardiness		5528*	41615*	51826*	51951*
83429			control			Ovariectomy SEE Oophorectomy		
geographic distribution		52747	Austria		94279*	Ovaries		51583*
larvae		14198	biological		52887	Aedes aegypti	5367	23726
parasites		53257	Bulgaria		32785*	Antheraea eucalypti		33443
predators		94945	France		52830*	Apis mellifera	14323	73405*
Oryza		28468*	Hungary	42611*	105206*	73407*		
cytology		78276	integrated		63592	Calliphora vicina		105699*
genetics		78276	tests		23205	camels		104136
morphology	68592	78215	development	73792	95371	cattle	51819	62244
taxonomy	8753	67866	diapause	14878	43248	71939	72228	92551
88385 28450*	46837*	78215	95371		73791	12953*	13013*	51909*
Oryza australiensis		9593	diseases		106035	82306*	92472*	51951*
Oryza minuta		36923	food and host plants	63619	84160*	diseases	22237	31445
Oryza officinalis		36923	Germany		84114*	31315*	62410*	3602*
Oryza perennis	805	17788	habits and behavior		23207			

\*Text of this reference is not in English.

Item			Item			Item		
Ovaries-- Cont			Oxoacids	89852	95230	Oxygen-- Cont		
Cochliomyia hominivorax	5252		34242*	69230*	100706*	in Gryllus veletis physiology	106099	
crickets	14916*		Oximes		42531	in Hexagenia limbata	14948	14949
Culex tarsalis	5354		16-Oxoestradiol		4118	in Horogenes chrysostictos		14796
Dacus oleae	105698		Oxybaphus SEE Mirabilis			in Hylotropes bajulus		14500*
dogs	3783	72411	Oxybelus emarginatum		14814	in insect physiology	73495	33026*
Drosicha quadricaudatus	43167		Oxybiastes		43213	105523*		
Drosophila melanogaster	14635		Oxycanus		106052	in Locusta migratoria physiology		33480*
goats	22805*		Oxycareninae		23744*			
guinea pigs	82507		Oxycareus hyalinipennis		5380	in milk	74890*	85334*
Heteroptera	95153		14723	43149	64082	in milk fat		24843
horses	92929		Oxycareus luctuosus		42695	in mite physiology		14451
insects	23508		Oxycellulose		71560	in Nemeritis canescens		14796
Melophagus ovinus	95079		Oxycera		83919	in Notiomitris ornata physiology		106145
mice	31736	31737	Oxycolchicine		89802			
Musca domestica	105699*		Oxyethira		14942	in Oribatei		5064*
Ornithodoros moubata	73518*		Oxygen		52138	in plankton		78496
Phormia regina	73657		effects on Acroneuria pacifica		84219	in plants	10080	38440
poultry	41914	41978	effects on Anacharis canadensis		100299*	38630	58676	78376
82666*			effects on apples	44791	55193	78935	100507	68698*
rabbits	42111	104534	effects on bacteria		101826*	in Porcellio scaber		23574*
rats	104151	104152	effects on beans		10041	in poultry physiology		93349
104197*			effects on broadbeans		37626	in rat physiology		52145
Samia cynthia	43271		effects on cheese		6463*	in sheep physiology	4364	42161
Scaeva pyrastris unicolor	95017*		effects on Chlorella		48379*	104585		
sheep	72837	104649	effects on Chlorella pyrenoidosa		100299*	in soils	2108	2108
Spilopsyllus cuniculi	64278		effects on Cochliomyia hominivorax		14589	27382a	27927	28028
Trigona bocandei	14323		effects on Cyperus rotundus		89606	48225	49616	49666
Unaspis yanonensis	105847*		effects on dogs		52018	78604	78802	101659
Ovaticoccus	84046		effects on Drosophila melanogaster		64039	80024*	90913*	
Ovicides	4645	14161	effects on Drosophila virilis		23690	in spinach		9691
105298*			effects on Drosophyllum lusitanicum		712*	in swine physiology		13891*
Oviducts			effects on Echinolaelaps echidninus		33058	in wood		14554
geese		52242*	effects on food	24486*	24487*	Oxygenus		94948
pigeons	41967	52227	effects on grain		38310*	Oxylone		52025*
poultry	4143	13574	effects on fats and oils		66050	Oxymastinocerus n g		23627*
42010	42025	52247	effects on fibers		65319	Oxymorphone		104020
22593*	62975*	82622*	effects on Ictinogomphus ferox		106142	Oxynitrilase		89784*
rabbits	42112	72712	effects on meat		55490*	Oxypleurites	5081	83765
sheep		72798	effects on milk	24486*	24487*	Oxyproline		52344*
turkeys		62927	effects on oats		58928	Oxyptila gertschi		105592
Ovipositors	42884	53394	effects on Odonata		106142	Oxyptila reenae		105546
105776	105869		effects on Orthosoma brunneum		14553	Oxyria		81003*
Ovularia		26956a*	14553	14554	33111	Oxytelinae		83895*
Ovulariopsis		27216a	effects on plants		19107	Oxytelus		94904*
Oxaea		64160*	49616	58866	68794*	Oxytetracycline		
Oxalacetic acid	28342	10215*	69070*		16008	effects on bacteria	6382	15731
Oxalates	11245	58993	effects on potatoes		9706	26159	41563	
37696*	92291*	93672	effects on rice		100299*	12892*	51795*	103599*
Oxalic acid			effects on Scenedesmus obliquus		48212	effects on cattle		71686
in Agraricus campestris		1435	48212	100299*	78312*	12892*	51795*	103599*
in Aspergillus niger	1436	68790*	effects on seeds	48291*	78312*	effects on goats		71686
in Oxalis pes-caprae	1384	1385	effects on soybeans		39767	effects on poultry		31986
in Pleurotus ostreatus		1436	effects on sweetpotatoes		75196	41994	104274	4167*
in sheep physiology		4394	effects on tomatoes		78802	41949*	52200*	82569*
toxicity		52231	effects on yeasts		59092	104350*		104262*
Oxalidaceae		89295	in Anagasta kuehniella		14796	effects on sheep		32211*
Oxalis	20288	38596	in animal physiology		41332*	effects on swine	4493	71686
Oxalis acetosella		38234*	in Apis mellifera physiology		63783*	82906*	93796*	93838*
Oxalis cernua		4394	in blood		82838	in feed		30796*
Oxalis corniculata	9086	88417	in Calliphora vicina physiology		95032*	in Streptomyces rimosus		78890
98928*			in cattle physiology	41568	62157	therapeutic use	82278	92389
Oxalis pes-caprae	1384	1385	in Cheumatopsyche comis physiology		106145	94526	63263*	
Oxalis suksdorfii		37779	in Chimarra betteni physiology		106145	Oxythrips		64285
Oxaloacetic acid SEE Oxalacetic acid			in Chlorella	1067	69299*	Oxytocin		
beta-N-Oxalyl-L-alpha, beta-diamino-		48608	in Chlorella pyrenoidosa		1003	effects on cattle		92170
propionic acid		83836	in corn		58686	13082*	31280*	12787*
Oxathridia n g			in dog physiology	3851	41773*	71950*	82196*	62346*
Oxen SEE Cattle, draft			in Drosophila melanogaster physiology		84012	effects on poultry		31912
Oxidase			in Ephemera simulans	14949	14948	effects on rabbits		13608
in cabbage		68199	in fats and oils analysis		45178	effects on rats	13608	31725
in coffee		48601	in food		26371	104169	104183	
in fungi		100564	in fruit juices		65442	effects on swine		22895*
in Heteroptera		73719				Oxytropis		98988*
in insect physiology		73563*				Oxytropis pillosa		46851*
in lentils		79032*				Oxytropis tschatkalensis		57662*
in Perilla frutescens crispa		37928*				Oxyuriasis SEE Pinworms		
in plants	10202	19177				Oxyxycopa SEE Xylocopa (Oxyxycopa)		
69178	100703	10249*				Ozola		105962
19385*	68782*					Ozone		
in potatoes		48509				effects on Pinus ponderosa		12153
in Rudbeckia bicolor		37928*				effects on plants	9919	27017a
in Tecoma stans		59044				47134	88652	
Oxidation reduction potential SEE UN-						effects on tobacco	9920	18003
DER specific subjects						77561		
Oxidizing agents		83702				effects on tomatoes		78802
Oxidus gracilis		73285				effects on wood		21699
						in rubber industry		86383
						Ozonium texanum		9139

\*Text of this reference is not in English.



Item			Item			Item		
Pabula	23616		Palavascia n g	67959		Paleobotany-- Cont		
Pachira aquatica oil	55588		Pale western cutworm SEE Agrotis			Oregon	15	8579
Pachistima canbyi	26908a		orthogonia			Pennsylvania	77139	98721
Pachnoda	23767*		Paleacrita vernata	73329		Poland	46769	16*
Pachycereus pringlei	57620*		Paleobotany	12	8546	Republic of South Africa		3
Pachydiplax longipennis	43351	43352	17504	17510	17549	reviews	46716*	46739*
43370			17559	18574	26789	Rumania	36626*	36627*
Pachyelmis	33084*		46690	46710	46752	57444*	77221*	
Pachygnathus	14419		57482	67720	67722	Sahara		36617*
Pachykytospora n g	46989*		98746	98804	8570*	Scotland	8565	57448
Pachylobius picivorus	5072	14263	46755*	46778*	57430*	South Dakota	36678	88164
Pachyloma	88345		77134*	77206*	88130*	Spain	17547	88161
Pachymelos n g	53424		98949*			study and teaching	46708	77222
Pachymenia himantophora	70284		Africa	7	23	Sweden	4	8627
Pachynematus lacteipennis	14783		Alaska		34*	88171*	57412	88170*
Pachynematus rumicis	14783		Algeria			Svalbard		46740
Pachyopsis	23757		Arizona		8	Tasmania		98792
Pachyphytum	57615*		Australia	8567	8616	Tatra Mountains		67716*
Pachyphytum glutinicaule	17746*		46754	67721	67770	Tennessee		8564
Pachypsylla celtidismamma	42775		98730	98731	98777	Texas	8587	46728
Pachypsylla celtidisvesicula	42775		Barbados			98763		98737
Pachyrhabda	105936		Belgium	57472	57502*	Turkey		77128*
Pachyrhizus erosus seed oil	7240		Brazil	8624	46699*	USSR	57467	77131
Pachysandalus	73732*		Bulgaria	8593*	8607*	10*	48*	8544*
Pachystegia insignis	1913		8608*	8630*	46772*	8566*	8578*	8617*
Pachystima SEE Pachistima			California	17509	98809	17528*	36607*	36661*
Pachyveria	36846*	39222*	Canada	17537	46701	46709*	46732*	46749*
Pachyveria clavata		1856*	46758	67759	67681	57412*	57420*	57±28*
Pachyveria glossoides	36847*		Chile			67684*	67697*	67701*
Pachyzancla ipomoealis	84122		China			67713*	67718*	67760*
Pacific silver fir SEE Abies amabilis			Colorado			77152*	77187*	77190*
Pacific spider mite SEE Tetranychus			Czechoslovakia	17529*	57469*	77224*	77226*	98729*
pacificus			67716*	98754*		98753*		
Pacificosoma n g	14474		Europe	98734	98793	Washington		46723
Pacificosoma yaldwini	14474		67710*	67717*	99754*	West Virginia		98721
Package egg programs SEE SUBHEAD			Finland	8598	57480	Wyoming		46700
industry, vertical integration UNDER			88179	88187	88202	SEE ALSO Pollen studies		
Poultry			17553*	46775*	46776*	Paleoentomology	23019	42356
Packaging SEE Packing			France	8575	17506*	42357	42360	83120
Packing	24478	64845*	46705*	46707*	88176*	42353*		42343*
costs		75291	Gabon			Australia	32572	83141
legislation	64849	64851	Germany	36659*	46719*	Baltic area		42352
materials	34010	54269	57468*	67715*	67726*	British Isles		52681
74467	83515	97275	88205*			conferences and congresses		42358
6159*	34130*	45341*	East Germany	36658*	36669*	Czechoslovakia	42350*	42354*
74465*	96181*	54255*	67735*	88206*		Europe	43129*	99754*
SEE ALSO Containers; and UNDER			Great Britain	8609	36620	France		104953*
specific subjects			67700	67764	88209	Germany	52680*	104959*
Paculla	83803*		Great Lakes region			Italy		26775a*
Paczoskia turanica	95257*		Greenland	77184	88143	Mexico		104961
Padangcola n g	94770*		Gulf Coast States			New Mexico		98766
Padus SEE Prunus			Hungary	2	36655	North America		33097
Paecilomyces varioti	25361*		8591*	8592*	36608*	Republic of South Africa		42361
Paederia chinensis SEE Paederia scan-			88198*			Texas		46728
dens			Illinois	36676	57440	USSR		42355*
Paederia scandens	100634*		India	5	8611	Pales crocata		105709*
Paederinae	14519*		8614	17551	26743a	Pales maculata		105733*
Paederus	94901*		36625	46727	57490	Pales weevil SEE Hylobius pales		
Paederus sabaeus	73601		57496	57663	58358	Palessa SEE Bireta (Palessa)		
Paedogenesis	23713		67727	67742	67766	Palicourea barbiflora		20228*
Paenonia	59675	68232	88159	88195		Palicourea marcgravii		19373
78163*	99956*		Indiana			Palicourea marcgravii pubescens		20228*
Paenonia lactiflora	19336	19396	Iowa	8625	36632	Pallilogia n g		95072
78976			Ireland	98802		Pallavicinia		89215
Paenonia suffruticosa	10769	20005	Italy	26775a*	36614*	Palletbins	25454	35384*
Paepalanthus	8649		46714*			Palletizing		55987
Paepalanthus longicaulis	17751		Japan	17546	46731	Pallets	30634	55149
Pagiocerus frontalis	105607*		67733		46744	65586	53629*	53876*
Pagurodactylus	73610*		Kansas		17502	65564*		
Pain	81727	103372	Latvia		46733*	SEE ALSO Containerization		
Painted lady SEE Vanessa cardui			Massachusetts	57438	57447	Pallidothrips SEE Haplothrips (Pallido-		
Painted leafhopper SEE Endria inimica			57458			thrips)		
Paints and varnishes	7245	7312	Michigan	17548	36629	Palm juice		85106
7313	26006	40821	Minnesota	17566	46712	Palm kernels	55584	97185
43810	45107	65998	Mojave Desert		46781	86326*		
81359	84712	84713	Montana	8606	67679	Palm oil		
40817*	54019*	55604*	Mozambique		88167*	analysis and composition		45103
fire-resistant	21466	40803	Netherlands	26786a	67695	97185	97221	
51140			98799	88155*	98717*	bleaching		97263*
insecticidal	105392	73296*	Nevada			chemistry		31555
reviews		7262	New Mexico	98763	98766	extraction		35214*
tests		40939*	New York	57463	77198	industry		86326*
Pakistani in the U S	108723		New Zealand	17560	26783a	processing		55616
Palaeopsylla hamata	106149*		46720	98727		situation and outlook		7271
Palamnaeus bengalensis	14417		Northern Rhodesia		46704	spoilage		107714
Palamnaeus fulvipes	14417		nomenclature		77207	storage		7251
Palamnaeus gravimanus	94740	105596	Norway	57441	17567*	Palmae		8726
Palaquium	75810					Bali		98771*

\*Text of this reference is not in English.

Item				Item				Item			
Palmae-- Cont				Panonychus citri-- Cont				Papayas-- Cont			
Chile			50566*	insecticide resistance	52719			varieties			39020
cytology	27597a		47791	rearing and breeding	53207			virus diseases	9214		9221
diseases			37080*	Panonychus elongatus	14463			27307a	32776		
germination			69148	Panonychus pilosus SEE Panonychus				yields		39020	1747*
hardiness			47170					Paper SEE Pulp and paper			
India	26896a		67851	Panonychus ulmi				Paperboard	12353	12415	21625
Lord Howe Island			17682	Australia		32838		21681	61459	81514	
Malaysia			26873a	Bulgaria		42656*		Paphnia			77335
Mexico			46906	control		63628		Paphiopedilum		46923	36773*
morphology			37741	California	42693	63632		Papilio	14892	95535	105911
nomenclature			17676	chemical	32831	42682	52972	Papilio aegeus			14896
Peru			26876a	73259	83395	94364	105286*	Papilio dardanus		14901	43247
pest control	14188		37080*	105298*				Papilio dardanus antinorii			95527*
taxonomy	83497*			France		83185*		Papilio demoleus	5549		64242
USSR	17755	17756	17804	Italy		4844*		Papilio glaucus			23893
Palmellococcus			26790a	Maryland		14189		Papilio helenus			95367
Palmitate			88165	Netherlands		32862*		Papilio hospiton			95342*
Palmitic acid	63083	74780	85555	USSR		83405*		Papilio indra			95488
Palorus shikhae			5133	eggs		105298*		Papilio jacksoni			5505
Palpi			4692	host plant relations		83397		Papilio maackii			84124
Palustra vivida			64175*	insecticide resistance		42385		Papilio machaon		5498	14877
Palynology SEE Paleobotany; Pollen				42416*	83185*	105286*		33387	33418*	53491*	
studies				Ohio	32819	42385	42666	Papilio machaon bigenerata			33360
2-PAM chloride		105147		73253				Papilio machaon hippocrates			14882*
Pamaquine naphthoate			52283*	outbreaks		83408*		Papilio memnon			95367
Pamaquine tannate	41997*		93257*	Panorpa communis		84211*		Papilio multicaudatus			95428
Pamera			14728	Panorpa nupitalis		106122		Papilio nireus group			95530*
Pampasgrass SEE Cortaderia				Panorpidae		106122		Papilio oregonius			95488
Panacela lewinae			42777	Panstrongylus megistus SEE Mestor				Papilio podalirius			43270
Panaeolus			79067	megistus				Papilio polyxenes asterias			84124
Panagrellus redivivus			18395*	Pansy SEE Viola				Papilio protenor			95367
Panagrodontus			47575	Pantala flavescens	23962	73901		Papilionaceae	18686	27320a*	37454*
Panamomopsides n g			23551*	Pantethine		104174*		50089*	60207*	105208*	
Panax ginseng SEE Panax schinseng				Panthea coenobita		95463*		Papilionidae			
Panax quinquefolium			70205	gamma-Pantothenate		69206		Africa			95530*
Panax schinseng	48638*		86529*	Pantothenic acid				anatomy and physiology			64242
Pancratium			100560	effects on seeds		48188		Canada			95535
Pancratium martimum	68451		79044*	in human nutrition		57108		Europe			14895*
Pancratium sickenbergeri			79044*	in milk		57135		evolution			14901
Pancreas			81809*	in poultry nutrition	4092	93151		food and host plants			33387
cats		31608	82402	in swine nutrition		82905		genetics			14892
cattle	103769	106903	103825*	in wheat	27152a	68148		Germany	95426	84121*	84139*
dogs	14017	62523	104042	Papain	85731	97156	25342	Great Britain			43270
diseases	3843	22365	82376	Papanicolaou's stain				Japan			105911
82402	92710			Papaver				larvae			95428
ducks			62882*	biochemistry		59074*	89916*	Mexico			95512
pigeons			31950*	breeding	20340*	29411*	79896*	Northern Rhodesia			5505
poultry			52257	79897*	90778*			parasites	33387		95342*
62789	72629	93174	13523*	Lithuania			28963*	Tanganyika			5505
104452*				Mediterranean area	58242		67824	taxonomy	43309	95527*	95531*
rabbits			104533*	Turkey			17663	variation			14901
rats			31710	Papaver alpinum			46936*	Papilionoidea			5509
swine	4600*	4603*	42299*	Papaver alpinum kernerii			36932	Papilledema			83245
Pancreatic extract	22980		32486*	Papaver bracteatum			89891*	Papilloma			81869*
Pancreatic juice	52557	4599*	47487*	Papaver dubium			46933	cattle		3532	13098
83035*				Papaver nudicaule			64149	12981*	103894*		
Pandanus	17781	36911	77229	Papaver rhoas			10131*	treatment			31476*
90379*				Papaver somniferum			28045	dogs	13267*	31533*	82359*
Pangolagrass SEE Digitaria decumbens				anatomy and physiology			69278*	ducks			104336*
Panicum	69505	101534*		28130	78769	38346*		horses			31476*
Panicum abscissum		90209		89678*	89855*			rabbits			13616*
Panicum anceps		1000		biochemistry		58988	89852	virus	21832	31533*	82359*
Panicum antidotale	9578	82789		100622	1282*	48587*	59027*	Papillomyzus SEE Macrosiphoniella			
Panicum capillare		98902*		69278*	89855*	100706*		(Papillomyzus)			
Panicum coloratum	645	18947		fertilizers			89678*	Papirinus			5612*
19626	58267	41244*		fungus diseases			99393*	Papirinus leleupi			5612*
Panicum crusgalli		90693		pests			4821*	Pappataci fever virus			4733
Panicum maximum	18830	19628		reviews			4820*	Paprika		6311	52198*
47949	78678	27902*	103533*	yields			20621*	Papuispa SEE Ceratospa (Papuispa)			
Panicum miliaceum SEE Proso				Papaveraceae	17663	68483	19419*	Papyrus SEE Cyperus			
Panicum purpurascens		22096		58345*	89932*			Para-oxon	42491*		93954*
Panicum ramosum	22041	58759		Papaw SEE Pawpaws				Parabullacris n g			106076
Panicum repens		49482		Papaya paste		6936		Paracalauria n g			14749*
Panicum turgidum		68869		Papayas				Paracardiophorus			94836*
Panicum virgatum	575	37763		analysis and composition	55017			Paracaryum			67863*
Panleukopenia SEE Feline infectious				anatomy and physiology	28079			Paracasein SEE Casein			
enteritis				9930*				Paracatops cambellus			5211*
Panolis flammea		73321*	83553*	chemistry		96875		Paracilius			84008*
94482*	95292*	105352*		culture	1110	19796	28825	Paracomacris centralis			53544
Panonychus citri				79448*	101140*			Paracooperia nodulosa			92586
control	14187	63622	105272	fungus diseases	9145	37019		Paracopium glabricorne			5429
105266*				morphology		99985		Paracoroptes			63859*
development			14468	nematodes	18388	37518	68331*	Paracoroptinae n sfam			63859*
diseases			105272	planting		1747*	79448*	Paracotalpa granicollis			5162
genetics			14488	pollen	47706	68664	89642	Paractenia			64237*
				ripening		96875		Paracymus tarsalis			83869
								Paradasynus			95199*

\*Text of this reference is not in English.



## Item

Paradelphacodes n g 64131\*  
 Paradichlorobenzene 8613 105341\*  
 Paradoxosyllus grenieri 23956\*  
 Paradoxosomatidae 83784  
 Paradromius 73556\*  
 Paraduba 95542  
 Paraenidea 94868  
 Paraffin chlorinated 94277  
 Paraffin oils 24271 4386\* 22630\*  
 74627\*  
 Paraffins 24369 55624 77716  
 39104\* 41104\* 51279\* 84821\*  
 85725\* 90364\*  
 effects on forage plants 22149  
 effects on Grapholitha molesta 4645  
 23047  
 in plants 19294  
 in tobacco 55977\*  
 Parafilaria bovicola 103765 103831  
 Parafilariasis SEE Thread worms  
 Parageaya 63891\*  
 Paragomphus cataractae 14976  
 Paragonimiasis SEE Lung flukes  
 Paragrass SEE Panicum purpurascens  
 Paragryllopsis n g 23919\*  
 Parahelops 94894\*  
 Paraidioscopus n g 95226  
 Parainfluenza-3 3608 3615 13024  
 13117 41582 51929 72161  
 92495 22147\* 62174\* 103648\*  
 103738\* 103749\* 103829\*  
 immunization 51821\* 72144\*  
 resistance 22165 51933  
 vaccines 62174\* 41582  
 virus 62169 62191 72161 103907  
 30998\*  
 Paraiulidae 94689  
 Parakeratosis 72943 83021 32459\*  
 32494\* 83023\*  
 Paralabidocarpus n g 63889  
 Paralabidocarpus artibeii 63889  
 Paralatisternum n g 94825\*  
 Paralbumin 3951  
 Paralcamenes 106100\*  
 Paralepidosaphes 73702\*  
 Paraleucoptera sinuella SEE Paraleucopterat susinella  
 Paraleucoptera susinella 94455 95295\*  
 Paraliochthonius 23556  
 Parallel streak  
 sisal 26988a 27278a 68286  
 Paralobesia viteana 63661  
 Paralobopoma 53526  
 Paralysis  
 Apis mellifera 23418  
 Bombyx mori 105478  
 cattle 23177 72292\* 92501\*  
 dogs 13263 62491 13307\*  
 goats 93638  
 horses 13391\*  
 swine 83062 13884\*  
 SEE ALSO Lymphomatosis; Tick paralysis  
 Paramermis contorta 5304\* 23686\*  
 Parametriotes theae 105314\*  
 Paramictis n g 95201\*  
 Paramoebidium arcuatum 33327\*  
 Paramphistomiasis SEE Intestinal flukes  
 Paramphistomum 104666  
 Paramphistomum clavula 3280\*  
 Paramphistomum epiclitum 103227  
 Paramyelois transitella 14186 23306  
 52916 83407  
 Paramyzus 84059  
 Parana pine SEE Araucaria angustifolia  
 Parandra thunbergii 88713  
 Paranemapogon n g 84182\*  
 Paranoecia n g 95252  
 Paranthrene tabaniformis 23890\*  
 42763\* 105388\*  
 Paraonukia n g 53398  
 Parapeltella 99057\*  
 Parapholis 17645 26893a  
 Paraphysemacris n g 106076  
 Paraphysoderes n g 95261\*  
 Parapolybothrus SEE Polybothrus (Parapolybothrus)

## Item

Paraproteins 31596\* 31610\*  
 Parapudaspis n g 73702\*  
 Paraquat 2029 2037 29174  
 39457 39488 49463 50198  
 70057 79750 79816 79817  
 90606 90649 101521 102582  
 Pararge aegeria 5501  
 Pararge hiera 95524\*  
 Pararhamphomyia anfractuosa SEE Rhamphomyia anfractuosa  
 Parasarcophaga 73633\*  
 Parascaris equorum 103265  
 Parasemidalis 106140  
 Parasimulium 95094  
 Parasites of animals SEE Verminosis; names of parasites; and UNDER names of hosts  
 Parasitic plants 548 11063  
 28259 37952 38246 90682  
 20258\* 90710\* 90738\*  
 anatomy and physiology 2043 19238  
 912\* 27891\* 69040\*  
 biochemistry 48565\*  
 Congo 20295\*  
 cytology 99933\*  
 India 20233 20306  
 New Zealand 20252  
 reviews 18805  
 Sweden 2035\*  
 SEE ALSO names of parasitic plants; and SUBHEAD plant parasites UNDER names of host plants  
 Parasitiformes 5092\* 5103\* 105576\*  
 105599\*  
 Parasitochroa SEE Pyrausta (Parasitochroa)  
 Parasitologists 88012\*  
 Parasitology 73139 81820  
 12680\* 92101\*  
 conferences and congresses 103341  
 Parasitorhabditis ali 14531\*  
 Parasitus 94697  
 Parasorbic acid SEE 5-Hydroxy-2-hexenoic acid lactone  
 Parasphena 53527  
 Parastephanellus 105872\*  
 Parasterinopsis 99059\*  
 Parastyloderes SEE Styphloderes (Parastyloderes)  
 Parasympatholytic agents 30929  
 Parasympathomimetic substances 73869  
 Parataeniella 67958  
 Paratetranychus 94711  
 Paratetranychus pilosus SEE Panonychus ulmi  
 Paratetranychus ununguis SEE Oligonychus ununguis  
 Paratheresia claripalpis 94308  
 Parathesis 88343  
 Parathion  
 alfalfa pest control 83323\* 94325\*  
 apple pest control 94358\*  
 beet pest control 83323\*  
 cherry pest control 73266\*  
 citrus pest control 23286 83413  
 63653\* 83419\*  
 coffee pest control 32864 83402  
 83414  
 determination 73082 63405\*  
 effects on Aonidiella aurantii 23286  
 effects on beans 42568\*  
 effects on cattle 51814  
 effects on Conotrachelus nenuphar 23056  
 effects on Drosicha stebbingi 83394  
 effects on Drosophila melanogaster 93964\*  
 effects on insect populations 52856  
 94342\*  
 effects on mice 83205  
 flax pest control 94336\*  
 fly control 52697\*  
 formulations 83424  
 grape pest control 83424  
 hazards and safeguards 32597  
 42390 73070  
 in apples 75195  
 in fats and oils 107740\*

## Item

Parathion--Cont  
 in feed 105219\*  
 in fruit 25354 65532\*  
 in vegetables 25354 75199\*  
 insect resistance 23056  
 mite control 52697\*  
 mite resistance 52758  
 mosquito control 73172 94170  
 olive pest control 14197\*  
 ornamental plant pest control 52981\*  
 peanut pest control 73273  
 Pinus pest control 94472\*  
 residual effectiveness 83138\*  
 storage pest control 52697\*  
 sugarcane pest control 23214  
 toxicity 42421 52743 105031  
 42519\*  
 wheat pest control 83306\*  
 Parathyroid gland 62389 72865  
 22170\*  
 Parathyroid hormone 52137  
 Paratiphia asotinae 5436  
 Paratiphia belfragei 5435  
 Paratiphia ehippiata 5435  
 Paratiphia insueta 5435  
 Paratiphia verna 5436  
 Paratrigona 23799\*  
 Paratriozia 95208\*  
 Paratropeza n g 105752  
 Paratrypanidius n g 83836  
 Paratuberculosis SEE Johnes's disease  
 Paratylenchus 99727  
 Paratylenchus hamatus 47572  
 Paratyphlus 23597\*  
 Paratyphoid SEE Salmonellosis  
 Parambogrella n g 63895  
 Paravaccinia SEE Pseudocowpox  
 Paravelleda 42962\*  
 Paravespula SEE Vesputia  
 Parazuphium 23582\*  
 Pardalaspis 73618\*  
 Pardosa lugubris 94731\*  
 Paredra 64237\*  
 Parepaphius n g 94886\*  
 Pareumenes 84105  
 Parholaspidae 5095  
 Parietaria officinalis 9978  
 Parietaria ramiflora 17701  
 Parinari excelsa 23606  
 Parinarium 77421\*  
 Paris 89171 100189  
 Paris green 94201  
 Paris quadrifolia 37716\*  
 Paris verticillata 89224  
 Parity 7681\* 76016\* 76021\*  
 SEE ALSO UNDER Prices  
 Parkeriaceae 27584a  
 Parkinsonia 88272  
 Parks  
 Canada 26999 69913  
 France 101282\*  
 Germany 21372\* 61262\*  
 India 26776a  
 Lithuania 29016\*  
 national 40337  
 California 26819a  
 Mexico 81277\*  
 Philippines 81268  
 Poland 17545\* 36752\* 57714\*  
 Spain 77146  
 Sweden 81269  
 Yugoslavia 12189\* 81219\*  
 Netherlands 88169\*  
 New York 36827  
 Ohio 46000  
 state 70954  
 Sweden 20046\*  
 USSR 10839\* 19938\* 77199\*  
 73702\*  
 Parlatoria  
 Parlatoria oleae 35150 64079  
 Parlatoria pergandii 105264  
 Parlatoria zizyphus 63611  
 Parmastomyces n g 89144  
 Parmelia 36989 79028 99082  
 198\* 26967a\*  
 Parmelia albata 199  
 Parmelia galbina 1286  
 Parmelia isidiosa 9976

\*Text of this reference is not in English.

Item	Item	Item
Parmelia subcorallina 198*	Particle board-- Cont	Passeronyssus 63860*
Parmeliaceae 8830*	cutting 61544*	Passiflora 10798 17633* 83410*
Parmortha n g 64168	dimensional stability 91746	Passiflora edulis SEE Granadilla
Parnassiinae 105957*	finishing 81547	Passiflora foetida 9489
Parnassius 105957*	fireproofing 30682 81383	Passiflora incarnata 95547
Parnassius apollo 95426	gluing 41116 41120 41079*	Passiflora pulchella 49492
14895*	61533*	Passiflora quadrangularis SEE Grana-
Parochthipha 43118*	Hungary 30704* 71468*	dilla
Parodia 36786 36872	in furniture industry 41074 41071*	Passion fruit SEE Granadilla
26891a* 57640* 77394*	industry 81552	Pasteurella 4382 3285* 30980*
Parodia maassim 67864*	Canada 71540	31395*
Parodiella 17917	Czechoslovakia 41073	Pasteurella hemolytica 103903 104674
Parodontodynerus ephippium 105887*	Europe 41084	2666* 63150*
Paronychia 8704	Finland 30695 81558*	Pasteurella multocida 3137 13024
Paronychia echinulata 88282	Norway 41061*	22610 72530 12685* 31329*
Paropilio (Rafalskia) n sgen 14476*	Poland 61534*	41345* 72633* 72634* 91923*
Paropsis 23622	41082*	Pasteurella pestis 83266 14050*
Parotid gland 52483 93625 62231*	41091	42528*
62608*	Japan manufacture 30689 41067	Pasteurella pneumotropica 92700*
5000*	41112 51316 55885	Pasteurella pseudotuberculosis 103208
Paroxycrabo SEE Crossocerus (Paroxy-	21552* 41079* 41100*	13318* 51531* 104208*
crabo)	61533*	30970 63010
Paroxyna bidentis 5221	Argentina 91742*	Pasteurella tularensis 51531*
Paroxyonyx 105636*	Australia 41118	Pasteurella X 51345*
Parsley	Bulgaria 30686*	Pasteurellosis 3285* 62636*
anatomy and physiology 27957*	Czechoslovakia 41072	asses 31329*
100121*	12424* 30703*	buffaloes 92700*
biochemistry 19337* 19377*	Germany	cats
culture 79649 90534*	East Germany	cattle SEE Shipping fever
enzymes 89870	Hungary 3000*	ducks SEE Fowl cholera
fungus diseases 9054	Japan 41110* 41116*	mice 72530
varieties 69994* 79915*	Poland 21672*	poultry SEE Fowl cholera
weed control 29295	Rumania 12414*	rabbits 72713* 93545*
Parsleyworm SEE Papilio polyxenes	USSR 41120	12665*
asterias	Yugoslavia 40966	ruminants 52465* 63150*
Parsnips 27108a 32781 49557	3000* 21679* 41070*	sheep 52590 83022 104936*
57883 68463	Argentina 91742*	swine 52590 83022 104936*
Parsonia SEE Cuphea	Czechoslovakia 41073	transmission 4382 30980*
Part-time farming 45775 92629	Europe 41081*	vaccines 4382 30980*
97361*	Hungary 41121*	Pasteurization SEE UNDER specific
bibliographies 16809*	India 81553	subjects
Germany 45844*	Japan 71537*	Pastinaca intermedia 63700*
Great Britain 108404	moisture 30693 51352 12341*	Pastinaca sativa SEE Parsnips
Iowa 45573	preservation 30693 21552*	Pastures and meadows
Italy 66749* 87278* 97832*	properties 30698* 41102* 71542*	Alps
97833* 108396*	81543* 81563*	and disease 62376 63100 63117
Japan 35789* 35794* 66791*	quality 30698*	71795 93637 104630 104919
86948*	seasoning 41098*	31327*
Kentucky 87103	situation and outlook 41075 41089	Germany 13146*
North Carolina 56809	41109 21673* 41066*	East Germany 22167*
Poland 45577*	specific heat 51352	Great Britain 51556 51897
Sweden 45839* 87074* 108464*	statistics 2997* 41086*	New Zealand 32232
SEE ALSO Allotment gardens	strength 81561 41077*	research methods
Parthenium 99	tensile strength 30696* 71546*	statistical 104718
Parthenocarp 9499 37652 68586	tests 81561 91713 41119*	Sweden 52437* 52443*
78137 99969 47753* 58356*	thermal conductivity 51352	United Arab Republic 30832
90520* 99930* 100307*	weight and measurement 81547	associations 90144
Parthenocissus inserta 68396	41101* 81563*	Australia 1578 10514 11377
Parthenocissus quinquefolia 48355	Partridges 22671 62731	56709
79551*	Parturient paresis SEE Milk fever	Austria 75017*
Parthenocissus tricipitata 38270*	Parturition SEE Obstetrics; and UNDER	Belgium 38205*
Parthenocissus vitacea SEE Parthenocis-	Livestock and names of animals	Brazil 90957*
us inserta	Parvex 94036	reviews 38850
Parthenogenesis	Parypsomias SEE Hypsomias (Parypso-	brush control 59948 10998* 11058*
Aphidoidea 105856*	mias)	Bulgaria 108633*
Apis dorsata 94537	PAS SEE para-Aminosalicylic acid	burning 11441 79314
Boophilus annulatus microplus 32725	Paschia 49239*	Arizona 48842
Galleria mellonella 43297*	Pasias 42951	Great Britain 9324
Haemaphysalis neumanni 94746*	Pasmo	Kansas 28667
Lundstroemia parthogenetica 33149	flax 338 9130 68237	Missouri 100975
Macrosiphum rosae 105813*	77777	New Zealand 10481
609 660 694	Paspalum 17639 18161 25108	Republic of South Africa 19672
plants 9422 9510 18518 27489a	68111	Canada 19630*
27543a 27594a 37779 47743	Paspalum conjugatum 2037	China 44997
68531 27685* 47750* 68520*	Paspalum dilatatum 10510 19092	Colombia 19648*
68521* 78158*	control 29290 90608	community 59383*
spiders 83756*	germination 89512	conferences and congresses 48923
turkeys 4044	yields 18947	90145 10492* 100939*
Xyleborus compactus 94855	Paspalum notatum 99359 100907	costs and returns 7936 26953
Parthenolecanium corni SEE Lecanium	Paspalum plicatulum 79266	76397 26898*
corni	Paspalum scrobiculatum 72515	Czechoslovakia 2599*
Particle board	Passalora 67929	desert areas 80656 82122 19648*
conferences and congresses 41068	Passalozetes linearis 94727	ecology 529 18424 89014
construction 12338 41088 41108	Passalurosis SEE Intestinal worms	99771 99737*
41097*	Passandridae SEE Cucujidae	Africa 27408a 37613 47688
consumption 41089 41099 41066*		Australia 568 37590 78010
41086* 41122*		Belgium 68355*
costs and returns 40966 41120		Bulgaria 37555*
41070*		Czechoslovakia 27387a*
		desert areas 47605* 99794*

\*Text of this reference is not in English.



Item				Item				Item			
Pastures and meadows-- Cont				Pastures and meadows-- Cont				Pastures and meadows-- Cont			
ecology-- cont				fertilizers--cont				management--cont			
Estonia			99801*	Switzerland	70619	20716*		Germany--cont			
France			78020*	39998*	60379*	80365*		East Germany	3082	28649	
Germany	37606*	78056*	88982*	Texas		80389		28673	69524	1621*	
95694*	99778*	101032*		USSR	11459*	11619*	58140*	3775*	4503*	7893*	
Great Britain	9324	88976		60345*	60497*	78074*	80404*	10425*	10441*	10465*	
99774				Florida		82090		10484*	10487*	10501*	
India		47679	47679	Germany		98042*		48922*	59376*	59399*	
Japan	47641	47653	47683	Ghana		48826		69569*	79346*	90120*	
47699	89008*			Great Britain	38815	59333	90132	90154*	100952*	101963*	
Latvia			99801*	irrigation	3483	38045	49986	Great Britain	11694	19603	
Lithuania		37549*	99801*	60658	103559	2528*	2572*	19620	22044	28632	28671
mountain areas		101032*		Australia	2512	2551	11747	38713	38829	39453	39457
Mozambique		27429a		13657	19257	20877	91305	39512	48839	59307	59333
New Zealand		37615		Canada		2575	29915	59337	59398	62064	69533
Oklahoma		68353		desert areas		80656		69541	69568	72016	90147
Poland	37542*	63879*		Florida		91253		90179	93608	101517	1579*
Rumania	531*	9352*		Germany	11692*	48846*	91227*	Hungary	10446*	10447*	48918*
Sweden	68338	18436*	48805*	East Germany		11773*		79306*	79315*	90205*	92134*
Tropics		9304*		Great Britain	11694	22044		Iceland			48824*
USSR	27452a*	37538*	37585*	60618				India		79338	100932
37617*	47605*	58140*	58166*	Hungary	11783*	62144*	70722*	Indiana			72102
58192*	68386*	78065*	78074*	80370*				Ireland			22052
78076*	89043*	89045*	99794*	Japan			91282*	Italy	10433*	27615*	79320*
Yugoslavia		47676*		Mississippi			103529	100960*			
equipment	33563*	43597*	53709*	Nebraska			31216	Japan		48866*	69538*
74269*	74270*			Netherlands			91224*	Kenya		28639	28659
Estonia			107092*	Poland	40054*	50282*	79278*	Latin America			59331
fertilizers	11512	38045	40099	82084*	91280*	91283*	91308*	Lithuania			79282*
49986	50140	70657	2373*	Republic of South Africa		50288*		Louisiana		13202	19446
91167*	101986*			50351*				Mediterranean area			28611
Australia	11270	11474	11613	Rumania		60600*		Mexico	19610*		48815*
48365	49964	50038	80261	Texas		13209		Mississippi			69601
91305	101970			USSR	11710*	20913*	48926*	Missouri			100975
Austria			11604*	80616*				Mongolia			38842*
Bulgaria			40046*	Japan			87319*	mountain areas		70058	90145
California	29719	39984		management		1476	7672	1627*	10501*	11958*	28616*
Canada		1605		11026	19643	20218	20247	48895*	90111*	90135*	100924*
Colombia		91062*		28623	28631	48912	50140	100960*	100973*	100985*	
Corn Belt		11639		51808	76320	79265	79311	Netherlands		1579*	11457*
Czechoslovakia		11515*		92330	100920	101040	103134	New Zealand		10454	10480
Denmark	20690*	80332*		103559	19622*	38838*	71341*	10481	10482	12868	12900
Estonia	100450*	102058*		78437*	91167*	100906*	100928*	28679	28695	37615	48816
Finland	2315*	101900*		100956*	101020*	103366*		48817	59400	69562	69572
Florida	40094	64442		Africa		10507	11779	70057	70058	79296	90161
France	20694	40045*	48819*	Alaska		59321		90162	100916--	100918	100923
60477*	80401*	91143*		Angola		12899*		100931	101566	108476	
Germany	70619	20682*	28699*	Apennines		101012*		North Carolina			103524
29798*	37606*	40072*	40073*	Argentina		59317*		Northern Ireland		19608	19647
40111*	50151*	78744*	91026*	69527*	69574*	69598*		48851	79324	100905	101009
91227*	99778*	101915*	102077*	Australia	1580	1593	1622	Northern Rhodesia			59305
East Germany	30079*	39907*		12884	19592	22778	32210	Norway		28640*	90135*
50045*	91049*			38858	52391	56479	59315	Oklahoma			90129
Great Britain	11565	11643		59339	59396	69502	69505	Peru			90111*
20590	20625	20628	20657	69603	70073	79348	93572	Poland	48853	10479*	10506*
22788	39468	60320	69568	93605	100958	104595		28616*	38857*	56455*	59311*
70515	70612	91068	101962	Austria	10437*	11958*	90181*	59383*	69507*	69529*	69556*
Hungary	11621*	29772*	60447*	92335*				69558*	69570*	69587*	79262*
80370*				Belgium			79261*	79278*	79331*	79334*	90127*
Iceland		50161*	70533*	Brazil		48896*	48897*	90172*	91283*	101010*	
Ireland	11526	70539	70540	Bulgaria	10457*	59353*	59389*	Puerto Rico			39925
Italy			80275*	Burma		38832		Republic of South Africa			19644
Japan			2454	Burundi		101025*		19672	32307	69515	69576
Latvia			20719*	Canada	1605	29915	90208	69582	69592	101576	
Lithuania			79282*	48860*				reviews			27837
mountain areas	60345*	60507*		China		100965*		Rumania	531*	48885*	59308*
Nebraska		91052		Colombia		79292*		59313*	69581*	90170*	101038*
Netherlands		11563	39938	Corn Belt		11639		Scotland	69566	90124	90140
62316	11457*	11468*	12881*	Czechoslovakia		59340*		100968	101961		
49968*	50185*	60336*	60390*	69560*				South Dakota			80938
60461*	60511*	91044*		Denmark	19640*	59310*	100970*	Southern Rhodesia		1607	41489
New Zealand		10481	10482	desert areas		48926*		59305			
20496	29759	49992	50136	Estonia	69583*	101030*	101457*	Southern States			28660
60330	80260	101566	101957	101746*				Spain			79294*
Norway	11631*	39999*	60507*	Finland		100909*	101016*	study and teaching	10425*		69596*
80384*				Florida	19665	90119	90128	101026*			
Poland	29703*	29724*	29758*	France	1579*	13643*	19639*	Sweden	1594*	1625*	10483*
40054*	50028*	50089*	70588*	48819*	59326*	100961*		10503*	13364*	69589*	79317*
70589*	70592*	70651*	80316*	Georgia			41525	100904*			
91135*				Germany	28699*	31202*	48846*	Switzerland		9995*	10432*
Republic of South Africa		69515		53709*	59375*	59380*	59401*	59387*	79287*	100924*	100985*
50288*				59957*	69500*	69513*	69584*	Texas		13209	28630
Rumania	10431*	70541*	80409*	69597*	69600*	79308*		Tropics		90113	100981
101951*	101987*	102031*	102063*	79352*	81640*	90156*	90186*	Turkey			71357*
Scotland	70524	91111	91149	91026*	91807*	92368*	95694*	USSR	1599*	1627*	10456*
Sweden	2397*	29764*	29765*	100910*	100911*	101042*	101574*	19598*	19633*	19637*	48895*
50160*	80380*	80410*	91039*					48926*	59372*	100976*	100995*
101966*	101990*	101997*	102003*								

\*Text of this reference is not in English.

	Item					Item					Item			
Pastures and meadows--Cont					Pastures and meadows--Cont					Pastures and meadows--Cont				
management--cont					soils--cont					yields--cont				
Uruguay				59362	Hungary				70684*	Italy	71338		28624*	
mechanization				95753*	Iowa				59373	Kansas			28667	
reviews				84261*	Ireland	19609	70539		70540	Latvia			20719*	
Mexico				69525*	Italy				70666*	Mississippi			69601	
mountain areas	10481		10482		Japan		49905	49910		Mongolia			1613*	
39881	101566		531*	2599*		91007*			43377*	mountain areas	60345*		101032*	
10455*	29981*	48877*	59361*		mountain areas				49721*	Netherlands	38835*		48898*	
72787*	80409*	100991*	100995*		Netherlands		39667*		80055*	79293*				
New Zealand	10481	10482	39881		49746*	60127*	80055*		90162	New Zealand			100990	
69579					New Zealand		79296		101851	Northern Ireland	19608		100926	
Norway	10455*	19641*	37038*		100923	101823	101827		79268*	Norway	11631*	39999*	60507*	
59361*					Norway				70592*	Poland	69512*	69556*	69570*	
pest control					Poland	59311*	69512*	80316*	90172*	70588*	75027*	80316*	90211*	
Australia	14158	23188	23193		79262*	79331*			11819*	Rumania		10453*	48877*	
32744	47065				Rumania				101961	Scotland			4340	
Brazil			63562*		Scotland		49692*		29765*	Sweden		2397*	69589*	
Canada			42591		Surinam				29765*	USSR	11459*	28635*	47605*	
chemical	105174	94286*	94297*		Sweden				29512*	60345*	60497*	78074*	80404*	
Germany		77609*	83314*		USSR	2553*	29473*			80616*				
Great Britain		18006	68051		49679*	80404*	90187*			Yugoslavia			62327*	
integrated			105191		Spain		19660*	100991*		SEE ALSO Mountain meadows				
New Zealand		73208	73212		spraying and dusting		22149	52849		Patella hirta			58332*	
Tasmania			105230		74136	92578	84567*			Patents SEE UNDER Plants				
Washington			32805		Sweden			19597*		Pathology SEE Phytopathology; Veter-				
pests			83366		Tanganyika			101013		inary medicine; and SUBHEAD diseases,				
Australia		23190	77594		USSR	10451*	29981*	51435*		and classes of diseases, UNDER specific				
Austria			83297*		81655*	90136*	103114*	106335*		subjects				
Finland			105690*		weed control	11026	29211	49438		Paths SEE Walks				
Germany					90662	29361*				Patrizia			23582*	
East Germany			23749*		Australia	11035	69539	101571		Patrobiae SEE Carabidae				
India			14086		103518					Paulownia fortunei			90410	
Japan			42941*		Austria		11074*	59967*		Paulownia tomentosa	49268*		51286*	
Republic of South Africa			4881		chemical	39530*	70186*	90714*		Paupoda			53212*	
23265					Australia		70077	90612		Pausinystalia yohimbe			59039	
Yugoslavia			42919*		Austria			59968*		Paussidae			53252	
planting			51808		Canada			39444		Paussinae	53239*	53240*	94906*	
Argentina			79344*		Finland			101570*		105615*			53240*	
Australia	1577	38827	38858		Florida		20302	39518		Paussus			105615*	
69539	69563	80470	101029		France			79818*		Paussus lusotropicalis			84241*	
Bulgaria			10457*		Germany		29148*	101487*		Paved surfaces	5896	29349	36855*	
Canada			38821		Great Britain		39446	39453		Pavonia			49055	
Germany		69503*	100910*			39458	39468	39470		Pawpaws		19811		
Great Britain		28622	39470			39487	59935	90622		PCA SEE Pyridazinone				
69568	100966	38814*			101517					PCNB SEE Pentachloronitrobenzene				
Ireland		19609	28650		Hungary		79850*	90626*		PCP	8979	9895*	39739*	
Italy			10434*		90737*					herbicide	29245*	29248*	59915*	
Japan			2454		mountain areas			70058		79806*	101593*			
mountain areas	100931		59351*		Nevada			11056		in cattle research			22181*	
New Zealand		100931			New Zealand		39521	70057		in lumber preservation			61368	
Northern Rhodesia		19671			70058	101566				71423	102899			
Norway		38855*			Northern Ireland			79750		in soils	60149	39738*	49741*	
Southeastern States		1624			Norway		39474*	59923*		toxicity			83039	
Sweden	1594*	1602*	10483*		Poland	59966*	70144*	90702*		Pea aphid SEE Macrosiphum pisi				
10503*	19602*	48805*	100979*		Sweden			20260*		Pea leaf miner SEE Liriomyza langei				
101031*	101033*				USSR		11100*	20234*		Pea meal			44593*	
USSR			59351*		Estonia			101457*		Pea moth SEE Laspeyresia nigricana			26030	
planting equipment			33678		Germany	49468*	59957*	101574*		Peach seed kernel oil				
Poland	2504*	28642*	57811*		Great Britain		11029	39512		Peach silver mite SEE Aculus cornutus				
60090*	69531*	89032*			90715					Peach tree borer SEE Sanninoidea				
records			100914*		Hungary	10996*	49505*	59941*		exitiosa				
Rumania	9352*	71657*	71658*		Japan			28253*		Peach twig borer SEE Anarsia line-				
80409*					New Zealand			101514		atella				
sampling	19645	19664	38822		Norway			11115*		Peaches	19814		85683*	
38823	69579	59364	100992		Poland	29301*	48878*	79780*		abnormalities			9414	
Sicily			50360*		Republic of South Africa		101575			advertising		6796	96832	
soils	1476	2103	2205		101576					analysis and composition			10642	
11441	50140	80687	40042*		Scotland			90670		55001	107305	96810*		
70266*	70345*	70413*	91130*		Sweden			11015*		anatomy and physiology	872		929	
Argentina			79344*		Western States			19651		982	9414	9873	9991	
Australia	1577	19257	38858		yields	11441	10461*	100906*		9999	28155	28210	28274	
49964					100956*	100994*	103096*			38319	38458	47976	58590	
Belgium			79261*		Apennines			101012*		58619	60499	68285	68779	
Brazil			80369*		Australia			11270		68780	89597	1204*	1206*	
Bulgaria			40046*		California			29719		18819*	19115*	28049*	78491*	
California			101971		Canada		2575	3450		89443*				
Canada			103574		Czechoslovakia			10464*		Australia			69180	
Carpathian Mountains			50983*		Denmark			20690*		bacterial diseases			37402	
Colombia			91062*		Estonia			101030*		biochemistry	69175	69180	19278*	
Czechoslovakia	43377*	59340*			Finland			2315*		breeding	49101	59569	59594*	
Estonia	101746*	101798*			Germany	29798*	40073*	69584*		canned			96846	
Florida		1598			69600*	78652*	78849*	101915*		care and handling		55149	65609	
Germany	40079*	40111*	60217*		102077*					color			60499	
69513*	90944*	91235*			East Germany		90952*	100963*		consumer preferences			15943	
East Germany		39985*	90952*		reviews			69554*		contamination		63601	75331	
Great Britain		2183	2244		Great Britain		20628	28632		cookery		17226	46452	
70515					Iowa			59373		cooling		16010	34810	

\*Text of this reference is not in English.



Item			Item			Item		
Peaches-- Cont			Peaches-- Cont			Peanut butter-- Cont		
cooperatives		65471	pest control--cont			relief programs		35197
costs and returns	35870	40204	Illinois		83422	tests		26042
35914*			Italy	23296*	23308*	Peanut flour	7294	108970
culture	929	39031	Japan		27066a*	contamination		26005
69730	69737	90313	Massachusetts			feed		21773
Hungary		1766*	Ohio		57850	22561	3487	82944
India		20675	USSR		32849	41483*	82948*	103568*
Italy	39051*	77501*	Washington		308*			
Japan	90317*	91189*	pests		4834	processing		42035*
Middle Western States		9936	Colorado		23341	products		75470*
New Jersey		90315	France	52912*	4866	toxicity		
Ohio	39038	40122	105260*	63610*	73836*	cattle	73005	82215
cytology		37679*	habits and behavior			dogs		52033
damage	25412	75299	Massachusetts		95467*	ducks	13566*	42035*
discoloration		55088*	Virginia		63619	mice		82509
diseases		316	planting		56604*	poultry	13496	41951*
control	57758	27066a*	pollination	39030	9991	42035*		
Georgia		57770	prices		96869*	swine	22936	4517*
Massachusetts		57850	processing		75346	13854*		
USSR		308*	production regions	34670*	90317*	Peanut oil		45122
dwarf	9414	10645	pruning		79488	Africa		7307
fertilizers	80287	40088*	France		49074*	analysis and composition		35185*
Colorado		11617	Georgia		28155	107742*		
Florida	60499	68780	Italy		69733*	extraction		35196
India		20675	Japan		59595*	industry		75686*
Italy		2334*	North Carolina		40147	keeping quality		45121
Japan	91084*	91189*	USSR		308*	processing		55616
North Carolina		40147	purchasing		96842	trade		
Rumania		1206*	quality		55084	Australia		27177
flavor and odor	107305	55143	refrigeration	10642	75299	Peanuts		
freezing		96806	rootstocks	28884	69755*	advertising		55609
freeze-dried		68222*	seeds		58619	advisory services		28715*
fungus diseases		57992*	situation and outlook	6699	65373*	Africa		7307
Belgium		99528	size	60499	19115*	analysis and composition		7293
Canada		27184a	soils	11652	57065	86306	97192	86283*
Colorado			spoilage	75331	107330	anatomy and physiology		19074
control			spraying and dusting			19116	37971	47817
Australia	9026	37296	Australia		37296	89674	19051*	27961*
Colorado		47300	Brazil		105304*	biochemistry	28298	28396
France		57922*	France		105319*	100647		
Italy	18117*	58020*	India		4871	breeding	48928	10524*
France		77704*	Maryland		37067	care and handling		55625
Italy		37347*	Missouri		88582	care and handling equipment		97219
transmission		105275*	New Jersey		47173	chemistry	86302	97249
genetics		872	North Carolina		18019	consumption	35191	86330
germination	982	58796	Oregon	68054	38637	cookery		108939
grading and standardization		44689*	Pennsylvania		57750	cooperatives		97187*
grading and standardization equip-		6809*	spraying and dusting equipment		43659	costs and returns	35161	66907*
ment			statistics	25542	65662	culture		70668
hardiness	9936	38344	storage	25497	34810	Africa		79365*
49101	68096	68779	75346	107385		Australia		10525
1143*	59594*	101184	thinning	10651	19813	Brazil		101046*
harvesting equipment	299	84494	79481	59596*	69736	Florida		69617
history		90312	trade		57065	India	38891	79369
hybrids		19831*	Europe		87688	Ivory Coast		69456*
industry	6712	87688	France		46391*	North Carolina	19689	38892
injuries	257	37056	Hong Kong		108832	Senegal		19679*
68096	69730	69737	New Zealand		108832	Southern Rhodesia	10303	10523
irradiation	34796	107330	transportation		25412	Virginia		90617
irrigation	40147	40204	utilization research		6776	Zanzibar		79103
102254			varieties	29017	39031	curing		66043
keeping quality		34810	39068	48168	55143	cytology		846
losses		299	59569	101184	101197	diseases	845	101046*
marketing	55027	107314	Arkansas		28869	drought resistance	17980	59409*
California		6797	Australia		49081	drying		
Colorado	25401	55084	Colorado		10642	reviews		7237
Florida		15962	France		1778*	drying equipment		55569
Iowa		55084	Italy	79485*	96810*	enzymes	58974	100647
Italy		65510*	Michigan		49082	fat and oil content	28298	10524*
Japan		96841*	New Jersey	49072	69731	feed	3116	12604
West Virginia		96820	New Zealand		39034	fertilizers	47230	29663*
moisture		96806	Southeastern States		39056	Africa		102056
morphology	37652	99969	Virginia		39054	Gambia		29580*
58245*		27656*	Washington		19854	Georgia	60441	70649
nematode resistance		28884	virus diseases		58108	India	20668	39932
nematodes	27366a	58123	68285	99636	68279*	Nigeria	20646	69622
88899	504*		99605*		77935*	Senegal		101949
nutritional deficiencies	28012*	37679*	weed control	29171	29205	Tanganyika		29676*
nutritive value		17242	68779		39495	flavor and odor		11494
packing	6844	65609	yields	28155	60499	fungus diseases	47254	86302
85810	96820	107314	102254		68285	47301	68193	47277
pest control		57758	Peanut butter		35205	control	37359	99340
chemical	63601	83392	associations		35194	88695*	88830*	47230
52913*	94366*	105304*	cookery		108939	India		88689
Colorado		4862	industry		35161	Maryland		37014
France	94362*	94381*	manufacture		7295	Nigeria	21871	99447
Georgia		57770	processing		26132	Sardinia	37284*	68169
								37285*

\*Text of this reference is not in English.

Item				Item				Item			
Peanuts-- Cont				Pearlmillet-- Cont				Pears-- Cont			
fungus diseases--cont				genetics	9545	9597	9607	industry	6728	54947	65432
Virginia	99341	99447		68616*				34667*		244	17957*
genetics	845	846	18703	hybrids			99919	injuries			32828
18717	47849	47860	47877	nutritive value			27346	insects			107330
germination	10046	18844	28298	pests			14086	irradiation			15986
79009	38009*			statistics			25762	loading equipment			55155*
grading and standardization		97204*		varieties	10340	48829	59198	losses			15960
harvesting date		19685		69514	100762			marketing	6786	15952	107273
history		39360*		yields		48829	59198	Australia			44693*
hulls		71986		abnormalities			68082*	California			65511*
hybrids		10528*		advertising	6786	15947	15972	Denmark			6799
industry	7242	26046	75734	107268				Italy			25396
35416*				analysis and composition			54993	New Zealand			54947
injuries		101565		54994	85710	85722	96896	Oregon			68540*
inoculation	90907	29580*		anatomy and physiology	876		9963	Western States			28012*
marketing	16294	35161	45196	28273	34826	38126	38227	morphology		58356*	
55625	55634	97219		47938	58560	9785*	18818*	nutritional deficiencies			
mechanization		38879	64567*	27827*	27859*	28043*	38245*	68082*			
microorganisms		26031	55568*	38644*	58511*	68973*	69042*	packing	44711	25505*	34817*
moisture		35152	55569	78786*	78955*	89482*	89562*	44718*	65605*		
molds		3116	66043	100557*				France		107318*	107319*
morphology		47817	47826*	bacterial diseases		439	9183	pest control	14195	14205	83445
nematodes		9266		47430	47447	77859		chemical	42592	63631	32840*
nutritional deficiencies	38211*	89537*		Colorado			27184a	32841*	32842*		73260*
packed	4891	75672		control	27270a	37406	47444	Denmark			83438*
pest control	73183	73273	32795*	France			58049*	Ecuador			52927*
88830*				Great Britain			77861	France			99335*
pests		17980	73273	biochemistry		38644*	78955*	Netherlands	63647*		73279*
planting	19074	38879	69622	breeding	58455*	59588*	90325*	Poland			4865
48970*				101193*				Colorado			83432*
planting date		443	90220*	bibliographies			1724	cultural			105268*
pollination		23434	23435	canned		15955	75285*	France	32811*	52908*	94398*
prices		35161	35191	care and handling		59600	75322	Italy		23309*	83393*
processing	7297	35191	35196	cleaning			34826	Japan		37164*	23317*
86302	55597*			coatings			65605*	Netherlands		23315*	
processing equipment			55569	conferences and congresses			44561*	32840*	63646*		83395
products	26070	97249	97258	consumption			107259*	Pennsylvania			73278*
55597*				containers			25506*	Poland			73261
propagation			48928	contamination		85710	85722	Republic of South Africa			88751*
properties			7305	cooling			55155*	Spain			68082*
proteins	79009	92344	97258	costs and returns			55101	Sweden		23278*	4840
quality	19685	38871	89537*	culture	8894	101187	28851*	Washington		4834	
seeds	47277	10088*	38009*	28862*	90319*	90326*		4842	4857	23282	42716
45296*	88830*			cytology		644	47709	pests			
situation and outlook		26070	55631	defects			6883	California		63633	77570
55637	16273*			deficiency diseases		89335*	89482*	Canada		32865	63665
soils	39986	70528	90907	discoloration			107312	France	52908*	52931*	63615*
99341	29266*			disease resistance		37404	47447	64085*	88627*		
statistics	26083	55688	66014	58044	90329	47240*	88832*	Italy			83432*
86330	107725			diseases		285	8958	physiological diseases	9963		58497*
storage		26031	55597*	California	8894	37128	77570	planting			28848*
diseases			45122	control		37164*	88588*	pollen	38500	38473*	47989*
pest control		4891	14238*	France			88627*	pollination	4984	19855	38075
23351*				Italy			37068*	38152*	90325*		
pests		53287	63680	Oregon		270	18044	pre-harvest drop			18961*
Portugal			55568*	Sweden			68082*	processed		6907	96896
toxicity	3116	12604	21871	Washington		244	6883	products		15942	96896
97212				drying			34817*	propagation			10649
trade				dwarf	10645	49096*	59567*	by cuttings		38126	49078*
Australia		27177		fertilizers		20674	60539*	by grafting and budding			19841
Upper Volta		28715*		flavor and odor			54993	37135	89653	90329	19846*
utilization research		26070		flowering date			53857	59560*	59567*	69751*	
varieties	38876	28716*	59409*	for processing		6883	55101	pruning			69042*
virus diseases	443	9239	52828	freezing			34817*	101179*			
63555	77883			fruit set	38075	1125*	27874*	Belgium			19825*
waste utilization		61531	102358*	fungus diseases		18164	37277	California			39050
weed control		37971	90596	Australia			9099	Europe			10639
chemical	89674	90617	90637	control	9024	37385*	57953*	France			49074*
29266*	29286*			88751*	99335*	107333*		Great Britain			79487
India			20273	France		57915*	99342*	Italy			59586*
yields		90907	29663*	Italy			77685*	Japan			90337*
Georgia		60441	70649	Japan			99129*	Norway			69756*
India			20273	Netherlands		9083	9127	Oregon			19848
Nigeria			69622	Rumania		18222*	18223*	USSR			49098*
Virginia	38871	38879	90617	Southeastern States			27239a	quality		55101	75265*
Pear leaf blister mite SEE Eriophyes				USSR			47240*	refrigeration	85878	75313*	107366*
pyri				genetics		876	58455*	ripening	34826	6749*	16025*
Pear midge SEE Contarinia pyriovora				bibliographies			1724	65602*	75327*		
Pear psylla SEE Psylla pyricola				grading and standardization			44693*	rootstocks	16049	101196	59545*
Pear rust mite SEE Epitrimerus pyri				grading and standardization equip-			15986	69751*	69765*		
Pear-slug SEE Caliroa cerasi				ment				Australia			1767
Pearlmillet				hardiness	17958*	28865*	68973*	California			89653
analysis and composition		75410		harvesting	59600	39048*	59601*	Germany			
anatomy and physiology		47961		harvesting date		10643*	28865*	East Germany			38644*
culture	59378	79168	100829	harvesting equipment		39050		Norway			69756*
cytology	68549	89108	99919	hybrids	876	47240*	58455*	Ohio			28847
fungus diseases		27151a	27175a	59588*							

\*Text of this reference is not in English.



Item			Item			Item		
Pears-- Cont			Peas-- Cont			Peas-- Cont		
rootstocks--cont			biochemistry--cont			grading and standardization		
Oregon	19841	39064	1378*	10218*	10219*	75266	107308*	44691
Sweden		19827*	38593*	69229*	69305*	Great Britain		10961
USSR	49091*	49096*	79038*	89854*	100658*	harvesting	1934*	29069*
seeds		26222*	breeding			harvesting date	1924	70024
situation and outlook	85689*	107216*	Australia		59808	harvesting equipment	15162*	107308*
size		58560	Germany	49298*	49338*	Great Britain		95869*
soils		91017*	Netherlands		29054*	Hungary		95876*
spoilage		107330	New York		90538	Netherlands	5783*	15156*
spraying and dusting		18961*	USSR		101442*	33715*	33716*	33729*
Arkansas		77492	canned	39416*	96873*	Rumania		33694*
Canada	18010	57814	coloring	55124*	96883*	USSR	5772*	5802*
costs		57953*	cooking		44733	106321*		
Netherlands		99335*	cooking quality		78508	hybrids		48213*
Washington		4840	costs and returns	44646	45919	industry		87009*
statistics	6907	85886	59774	98009	16824*	injuries		79804
96926		96925	culture			inoculation		69050*
storage			Australia		94307*	irrigation	10021	20721
6838*	6878	34838	Bulgaria	10976	20122	loading equipment		15041*
65605*	25505*	25506*	China	38593*	90131*	marketing		34730*
Australia		76756	Finland		89968*	morphology	675*	47737*
controlled atmosphere		107370*	Germany		1640*	89268*		58244*
diseases	107333*	107334*	East Germany		10926*	nematodes	509	27357a
France		65599*	Great Britain		90550*	pest control	32752	52846*
Germany		39048*	Hungary	39347*	49283*	94315*	94326*	94307*
Netherlands		16028*	59831*			pest resistance		52825
temperature		65602*	India	20168	20721	pests	84206*	33252
thinning	58560	28866*	Republic of South Africa		1975	plant parasites		47171
trade		87627	Rumania		20134*	planting	10980*	79700*
Australia	8193	76756	Sweden		69353*	planting date	10964	70024
Italy		34667*	USSR	59774	1931*	78692*		78451
transportation-		75238	20192*	29069*	69983*	pollen		9877
varieties	6728	15947	79279*	79340*	79655*	prices		48221
54994	101185	107268	9462	27953	101398*	processing	6847	44691
Australia		101187	37802	47828	68421	production regions		96883*
Belgium		28848*	89023	99828	9630*	proteins	6847	44646
Bulgaria		68540*	58305*			purchasing		19276
California		89653	disease resistance	42846	47504	quality	10964	44691
Europe		69754*	70044	99324	100027	25449*	38593*	20134*
France		69761*	37445*	88700*		seeds		89177
Germany		39048*	diseases	8973	27357a	Germany		28146*
Great Britain		79487	dried	6856	44733	East Germany		10928*
Indiana		58857	15162*	34809*	55124*	Netherlands	59906	10913*
Italy	27827*	59585*	drought resistance			quality		49321*
Japan	39042*	90325*	enzymes	79070	100662	Sweden		69353*
Lithuania		28864*	10218*	38546*		treatment	27828	77709
Netherlands		75265*	equipment		106221	18152*	18211*	88803*
Norway		90332*	feed	4504	82904	102071		28181*
Northwestern States		19853	91886*		62117*	90935*		90915*
Ohio	28847	28860	fertilizers	20721	60311	statistics		107235
Oregon	1782	19855	101945	29691*		storage	75188	75204
Rumania	19846*	90314*	flavor and odor		75204	83526	34784*	75352
Switzerland		10650*	for processing		44691	tests		6762*
USSR	47240*	88832*	59808	1934*		threshing equipment		33716*
Washington	1784	96295	Australia		70024	USSR		16824*
virus diseases	37471	52938	Germany		49298*	varieties	20179	6762*
58099	77570	37463*	Great Britain		95869*	91886*		
New York		99603	Italy		79724*	Australia		70004
transmission	52921	58103	Morocco		69975*	Bulgaria		38593*
63621			Netherlands	60338	5783*	Denmark		100934*
weed control			15156*	25449*		Finland		1947*
chemical	20238	49514	Scotland		98009	Germany		49338*
70166	59930*	60008	Sweden		10980*	Great Britain		49358
yields			Utah		45919	Israel		27715*
Peas			forage plant	1640*	79340*	Italy		79724*
abnormalities		89177	100934*		107327	Lithuania		29105*
analysis and composition	75204	44593*	frozen	44646	75204	Morocco		69975*
75204			fungus diseases	27103a	58003	Netherlands	59906	25449*
anatomy and physiology	914	1162	88784	99334		29054*	49368*	79664*
9746	9852	9876	Belgium		77759*	New Zealand		70044
19178	27828	27953	Canada		18111	Rumania		29046*
38237	38327	38347	control	77709	99450	Sweden	20114*	20117*
48306	68795	68856	Poland		37312*	USSR	49341*	49342*
69076	78390	78451	Sweden	18152*	18211*	79720*	101398*	
78686	89104	89510	USSR		68104*	virus diseases		37459
89624	100192	100383	Germany		88700*	42646	47504	99577
10093*	18980*	27846*	East Germany		99324	100027	18273*	37445*
28181*	38326*	48069*	Great Britain		47328	transmission	4792	105197
58622*	58694*	68848*	India		27234a*	weed control		
68951*	68989*	69008*	Netherlands		37883	Australia		11076
69097*	78624*	78692*	genetics	828	27664	chemical	79804	11017*
89706*	89766*	100238*	100027	9630*	27712*	70188*	79834*	101474*
bacterial diseases		47441	47737*	89250*	89251*	Italy		101473*
biochemistry	1304	19276	89269*	89283*		Great Britain	39427	39496
20179	38531	38597	germination	27804	58742	79758		
44597	48608	59045	79038*	89766*	58734*	Netherlands		79769*
69220	75352	79070						
100621	100630	100662						

\*Text of this reference is not in English.

Item				Item				Item			
Peas-- Cont				Peat and muck soils-- Cont				Pectinophora gossypiella-- Cont			
yields	28146*	68989*		Scotland	12012	81020		control--cont			105213*
Bulgaria		78692*		Tropics		101833		Spain			63584
Great Britain	10021	10964		Uganda		90955		tests	13922		4896
49358				USSR	40237	49609	2306*	Texas			4804*
Hungary		49283*		20194*	20407*	20881*	39760*	USSR			73821
India		60311		39800*	49659*	60519*	70380*	diapause	53511	73793	64225
Netherlands		10986*		70381*	80129*	101875*	102233*	digestion			83320*
research methods								habits and behavior		4804*	13922
statistical		1924						insecticide resistance			
Rumania		20134*						42381	42411		
USSR	29691*	49342*						larvae	43246	64228	83300
Peasants								Mali			14156*
Algeria		76157*						metabolism			13922
Chile		26967						nutrition			64225
China		46072						pupae			83338
conferences and congresses		76156						reproduction			64216
Europe		46189						sterilization			83338
France		108049						water relations			43246
history	35966*	77057*						weight and measurement			43246
Thailand		8190						Pectobacterium carotovorum SEE			
Peashrub SEE Caragana								Erwinia carotovora			
Peat	10055	10703	11869	19170				Pectobacterium carotovorum			
60474	68916	69666	91148					atrosepticum SEE Erwinia atroseptica			
1885*	10056*	10057*	11868*					Pedaliaceae			18653
20636*	39139*	49287*	49372*					Pedaliium murex			18653
54737*	69889*	69919*	80776*					Pedaria			63908*
analysis and composition								Pediopsis aceris			33294
11305*	29497*	80783*	101772*					Pediastrium	78105		99856
fertilizers	20647	11458*	11614*					Pediastrium biradiatum			18579
29581*	29842*	49975*	60391*					Pediastrium boryanum			18549*
80424*	80779*							Pedicia hannai antennata			95099
Austria		50053*						Pedicia rivosia			5292*
Finland		2417*						Pediciini			5239
Germany	11615	2233*	11506*					Pedicinus obtusus			105089*
Great Britain		2408						Pedicinus veri			95642*
Lithuania		2457*						Pedicularis			98868*
Netherlands		39944*						Pedicularis canadensis			18622
Poland	11546*	21036*	49977*					Pedicularis olgae			10277*
49978*	50012*	50184*	60298*					Pediculoides ventricosus SEE Pyemotes			
USSR	2416*	11871*	40362*					ventricosus			4770
50183*	50400*	70660*	70888*					Pedilus humanus capitis			
73979*	80249*	80291*	80321*					Pediculus humanus corporis SEE			
80342*	80458*	80783*						Pediculus humanus humanus			
Yugoslavia								Pediculus humanus humanus			
Germany		70885	57439*					anatomy and physiology			52738
litter		11871*	72342*					control			42469
mulch	29877*	50211*	61073*					enzymes	32709		52738
Sweden			20597*					insecticide resistance			52738
Yugoslavia			91410*					63386	63387		
Peat and muck soils		11213	20483					metabolism			32709
29477	40008	40683	47590					parasites	4711*		13990*
49695	50029	79929	79930					Pedilinae	5117		105601*
11870*	29496*	29506*	39729*					Pedilus			105601*
70254*	70574*	90913*	101729*					Pediobius foveolatus			5456
101753*								Pediococcus			96437*
bibliographies		29604*						Pedipalpidia			105571*
California		48665						Pedrocortesella africana			14482
Canada	8960	47645	49723					Pedrocortesella parva			14482
49761	90818	77810*	88655*					Peganum harmala	27530a		89829*
Czechoslovakia		60266*						Pegomya			105710*
Estonia	2165*	2794*	70288*					Pegomya betae	18005*	52896*	83940*
101734*	101746*							Pegomya hyoscyami			23184*
Finland	2290	2163*	2370*					control	52847*	83311*	94318*
40239*	40257*	50806*	70601*					105179*			
81070*								feeding habits			14153*
Florida		48934	60512					identification			83940*
France			80534*					Pegomya hyoscyami betae SEE			
Germany								Pegomya betae			
East Germany			91323*					Pegomya rubivora			105256*
Great Britain		49987	59342					Pegomyia SEE Pegomya			
Illinois			23096					Pelargonium			
Ireland	70539	70540	101811					anatomy and physiology			100082
Israel			48665					58799*			
Japan	1270	28745*	29463*					breeding			11155*
39970*	60250*	80063*	102173*					culture	69910		10726*
Latvia			81006*					fertilizers			29667*
Lithuania			29040*					fungus diseases			9041*
Netherlands	29618	11679*	40303*					pest control			9041*
80514*								planting			11155*
New Zealand			69542					Pelargonium denticulatum			90759*
Norway		11295*	79268*					Pelargonium graveolens			18399
Ohio			29493					Pelargonium hortorum	9944		
Poland			29862*					38027	38504	78259	
29945*	46011*	49608*	49725*					Pelargonium roseum oil			66029
49773*	59311*	60141*	70651*					Pelargonium zonale	10161*		10256*
79262*	79331*	80316*	89032*					39209*	49201*	58261*	69844*
89981*	91308*							Pelastoneurus			84008*
								Pelea			36919
								Pelecium			33124*

\*Text of this reference is not in English.



## Item

Pelecopsis 83782  
 Pelecyphora SEE Mammillaria  
 Pelecyporus semilaevis 94976  
 Pellaea atropurpurea 26913a  
 Pellagra 27075\*  
 Pellicularia filamentosa 47194  
 99302 18186\* 37378\* 37885\*  
 Pellicularia salmonicolor 47194  
 Pellicularia sasakii 57889 77726  
 Pellonyssus 105594  
 Pelopia 95074  
 Peltacanthina abyssinica 95092  
 Peltasteraceae 46972\*  
 Peltier effect 57418\*  
 Peltigera 69251 88851  
 Peltigera aphthosa 18808 19353  
 209\*  
 Peltodasia 14691\*  
 Pelvis 3874\* 31489\* 31600\*  
 Pemphigus 32804 95253 14756\*  
 Pemphigus betae SEE Pemphigus  
 populiveneae  
 Pemphigus bursarius 42571\*  
 Pemphigus populitransversus 23772  
 64099  
 Pemphigus spirothecae 84042\*  
 Penaeaceae 26836a  
 Penal code 46166\* 46168\*  
 Pencils 30691 12417\* 12420\*  
 91752\*  
 Penethamate SEE Benzylpenicillin  
 beta-diethylaminoethyl ester hydroiodide  
 Penetrometers 11184 26216  
 Penicillin  
 effects on *Anacystis nidulans* 68880  
 effects on bacteria 41661 106909  
 3230\* 30926\* 62345\*  
 effects on cattle 82181 92444\*  
 effects on *Drosophila melanogaster*  
 23645  
 effects on minks 92789\*  
 effects on *Pityrogramma* 48416\*  
 effects on plants 10051 1163\*  
 effects on poultry 93122\*  
 effects on rats 41877  
 effects on seeds 89640\*  
 effects on semen 81983\*  
 effects on swine 22913 32355\*  
 effects on viruses 92749  
 in feed 30797\*  
 in milk 15624 15639 31323  
 44322 106957 6443\* 15609\*  
 85261\* 96504\*  
 therapeutic use 3133  
 cattle 31323 82238 62220\*  
 goats 42175  
 poultry 104416\*  
 sheep 93689\*  
 swine 63263\* 93862\*  
 Penicillin G 31979 72925 103865  
 31862\* 52219\* 93160\*  
 Penicillium 27194a 37010 102906  
 62185\* 68160\* 105277\*  
 grapes 16013  
 morphology 9380  
 peaches 37402  
 taxonomy 8873  
 Penicillium atrovirenum 89827  
 Penicillium camemberti 64895\*  
 Penicillium caseicolum 44372\* 89591\*  
 Penicillium chrysogenum 27665  
 58713 69211  
 Penicillium digitatum 16023 16043  
 48586 55154\* 55169\*  
 biochemistry 78952  
 genetics 58460  
 Penicillium expansum 18492 99361  
 34790\* 34791\*  
 Penicillium islandicum 100730  
 44980\* 55384\*  
 Penicillium italicum 58460 68171  
 107330 55154\* 55169\* 75329\*  
 Penicillium janthinellum 8554\*  
 Penicillium javanicum 10065\*  
 Penicillium lilacinum 99135 89637\*  
 Penicillium oxalicum 48650  
 Penicillium puberulum 37320\*  
 Penicillium purpurescens 58633

## Item

Penicillium roqueforti 24994 6392\*  
 74986\* 96592\* 96624\*  
 Penicillium thomii 48650 89771  
 Penicillium toxicarium 99108\*  
 Penicillus capitatus 100452 88473\*  
 Peniculus SEE Nosopsyllus (Peniculus)  
 Peniocereus occidentalis 57548\*  
 Peniophora SEE Corticium  
 Penis  
 cattle 61958 103423 3344\*  
 31471\* 41418\* 62029\*  
 dogs 3896  
 horses 13346\*  
 swine 52521\*  
 Penjapyx 95625  
 Pennisetum 68641 10116\*  
 Pennisetum ciliare 68537 69505  
 102103 41244\*  
 Pennisetum clandestinum 29290  
 48146 50781  
 Pennisetum glaucum SEE Pearl millet  
 Pennisetum japonicum 28709\*  
 Pennisetum purpureum  
 anatomy and physiology 27902\*  
 costs and returns 108517\*  
 cytology 68549 99919  
 feed 21806  
 fertilizers 20743 48921\*  
 forage plants 19666\*  
 genetics 9597 9607  
 harvesting date 20743  
 hybrids 99919  
 nutritive value 12927  
 planting 48921\*  
 proteins 20743  
 varieties 79358\*  
 yields 20743  
 Pennisetum squamulatum 9597  
 9607 10429  
 Pennisetum typhoideum SEE Pearl millet  
 Pennsylvania smartweed SEE Polygonum  
 pensylvanicum  
 Pensacola bahiagrass SEE Paspalum  
 notatum  
 Pensions SEE Old-age insurance;  
 Social security  
 Penstemon 10881 69847  
 Penstemon ambiguus 14683  
 Penstemon digitalis 99716  
 Pentachloronitrobenzene 2624  
 37349 99409 9797\* 28936\*  
 47361\*  
 Pentachlorophenol SEE PCP  
 Pentacladocerus n g 84077\*  
 Pentalonis nigronevosa 105321  
 (+)-0-Pentamethyl dihydromelanoxetin 3013  
 2,2,5,7,8-Pentamethyl-6-chromanol  
 89862  
 Pentapeptides 59013  
 Pentaphyllus 5163\*  
 Pentaperide methylsulfate 30929  
 Pentastomida 23121 23566\*  
 Pentatermus n g 14804  
 Pentatomidae 95207  
 anatomy and physiology 5426  
 23758 43172  
 as predators 64117 105048  
 Australia 84045 95223  
 biology 5424 23755  
 Brazil 105814\*  
 cytology 5428  
 development 95207  
 food and host plants 5387 42647  
 Himalayas 95259\*  
 immature stages 23755  
 Ivory Coast 53418\*  
 life histories 5387  
 oviposition 95207  
 Panama 95238  
 parasites 14740 14833 73613  
 95011  
 rearing and breeding 84041\*  
 Southeastern States 95162  
 surveys 42647  
 taxonomy 43172 105863\*  
 Pentatricolopus 14166  
 Pentetrazole SEE Metrazole

## Item

Pentila condamini 5551\*  
 Pentobarbital 42287 62551  
 effects on cats 41757 72373\*  
 effects on dogs 72441\*  
 effects on rats 73072\*  
 Pentobarbital sodium 92755  
 Pentoffia n g 73713  
 Pentosans 16119 55326\*  
 Pentoses 19324  
 Peperomia 88345 17813\*  
 Peponapis 105880  
 Pepper  
 analysis and composition 34250  
 Cambodia 6273  
 situation and outlook 44187  
 statistics 106779  
 trade  
 India 45176 57032 108881  
 Pepper (plant) SEE Piper nigrum  
 Pepper maggot SEE Zonosemata electa  
 Peppermint SEE Mentha piperita  
 Peppermint oil 35206 45156 66060  
 97261 27978\*  
 Peppers SEE Redpeppers  
 Pepsin 44373 96652  
 85480\* 85481\* 96625\*  
 Pepsin pancreatin digest index 106555  
 Pepsinase 5479 14844\*  
 Peptides  
 in algae 38585 89548 89866  
 in *Apis mellifera* 53063\*  
 in bacteria 103303  
 in beans 59038\*  
 in cheese 44300  
 in *Chlorella vulgaris* 79073  
 in *Culex pipiens* 14699  
 in *Drosophila* 53355  
 in fibers 34532 107118  
 in mung beans 28297  
 in plants 48633  
 in semen 13756\*  
 in tanning 7199\*  
 in wheat 107458  
 Peptone 45026  
 Peracetic acid SEE Peroxyacetic acid  
 Perama 88345  
 Peranema 88427  
 Perchloric acid 89857\*  
 Percursaria 67917  
 Percyna n g 43318  
 Perdita hurdi 53435  
 Peregrinus maidis 32773\*  
 Perennial ryegrass SEE Lolium perenne  
 Pereskia colombiana 18489  
 Pereskia cubensis 18489  
 Pereskia guamacho 18489  
 Pereskia pititache 604  
 Pereskia portulacifolia 18489  
 Pereskopsis 37629  
 Perga affinis 14837  
 Pergalumna 73507\*  
 Pergamasus 42906  
 Pergamasus digitulus 33059\*  
 Pergamasus diversus 33059\*  
 Pergamasus puerilis 33059\*  
 Pergidae 43194  
 Perhydrol 96651\*  
 Pericarditis 32452\*  
 Pericardium 82804 31379\* 62187\*  
 72157\* 92412\*  
 Pericerya purchasi SEE *Icerya purchasi*  
 Periclista andrei 73316  
 Pericoma 84007\*  
 Pericoptus truncatus 14509  
 Peridermium coloradense SEE  
 Melampsorella elatina  
 Peridermium harknessii 99542  
 Peridermium pini 68865  
 Peridermium stalactiforme 99541  
 Peridermium strobili SEE Cronartium  
 ribicola  
 Peridroma saucia 105169  
 Periglischrus 63858\*  
 Perilecanium n g 23748\*  
 Perilla 1040\* 48198\*  
 Perilla crispa SEE *Perilla frutescens*  
 crispa

\*Text of this reference is not in English.

	Item			Item			Item	
Perilla frutescens	18909*	38285*	Permanganates	25776	75146	Perucci method		16498*
58614* 101059*			Permeameter		60073	Perula		64237*
Perilla frutescens crispa		9909*	Perniphora robusta		95280*	Pescatorea SEE Zygopetalum		
37928*			Pero		95479	Peschetius		94933
Perilla nankinensis SEE Perilla			Peronea minuta		99084	Pest control		
frutescens crispa			Peronea schalleriana		95370	California		14251
Perilla ocyroides SEE Perilla frutescens			Peronospora	27205a*	68101*	equipment		52707
Perilla oil		7334*	88771*		88731*	directories		94002
Perillus bioculatus	14740	63593*	Peronospora destructor	58001*	99266*	Germany	42437*	84815*
83331* 84041*			99477*			Iran		14013
Perineum		3706	Peronospora farinosa	47222	88684*	legal aspects	52745	83569*
Periodic acid Schiff positive substances		3647	Peronospora manshurica		399	New York		14241
Periodical cicada SEE Magicicada			Peronospora parasitica	68151	99339	policies and programs		23084
septendecim			Peronospora rubi		37297	76921	94124	
Periodicals		108992	Peronospora schachtii	352*	9073*	reviews		42441*
bibliographies	21492	35449	77812*			situation and outlook		94184
36416 46499	67682	86868	Peronospora sisymbrii officinalis		88759*	USSR		42456*
109049 35598*	35685*	45317*	Peronospora tabacina	328	9062	Pest control operators	4681	42390
108277*			18140 37305	99411	412*	94124 94186		
Far East		3329	1093* 9153*	18121*	18193*	Pestalotia	229	8844 8872
Hungary		109016*	18208* 18224*	37270*	47469*	27161a 99467		
Taiwan		67158	49009* 49011*	58021*	68132*	Pestalotia annulata	27853*	59062*
Hungary		46204*	68211* 68224*	77654*	77828*	Pestalotia cruenta		55203
SEE ALSO UNDER specific subjects			78361* 99350*			Pestalotia guepini	88517	77776*
Peripatus dominicae		33048	France	27147a	27179a	Pestalotia hypericina		88757*
Periphoeba n g		105936	Germany	88721	47311*	Pestalotia leprogena		88538
Periphyllus		14725*	East Germany		53806*	Pestalotiopsis		37014
Periphyllus villosus		95188*	Italy	37226*	49008*	Pestalotiopsis guepini		47012
Periplaneta americana			Lithuania			Pestallozia SEE Pestalotia		
anatomy and physiology		5596	Poland			Pesticides SEE Economic poisons		
5599 14933	23932	32886	reviews		47207*	Petal blight		
33478 33487	33488	53539	tobacco	369*	57978*	Azalea		37235
53540 63394	63401	73869	Peronospora trifoliorum		57926	Chrysanthemum		18220
84186 84190	84202	95591	Peronospora viticola		88725*	Petalosporus n g		26933a
5586* 14964*	23926*	33485*	Peronosporales	10130	26942a*	Petasites hybrida		69123
95568* 106096*			Perosis	4168	31896	Petechial fever SEE Purpura hemor-		
biochemistry		5569 5594	93068 93102			rhagica		
33459 95560	5572*		Perovskia scrophulariaefolia oil		16289*	Petillia		95201*
collecting equipment		43332	Peroxidase		4679*	Petilocoris		95199*
control	14229	23028	in animal physiology		19344	Petradoria		77296
chemical		63401	in Armoracia lapathifolia		100629*	Petrobia	83807	94759
tests	32886	42446				Petrobia latens	14088	94711
105075		42730	in beans		59053	Petrobius maritimus		84208*
cytology	5596	53522	in butter		74742*	Petroleum	33791	74169
64262		53551	in cherries		44599	culture medium	67461*	73624*
digestion		43314	in corn		38540	106715*		
enzymes	33476	73880	in cucumbers		99644*	effects on alfalfa	38153*	48120*
excretion		23935	in milk	24800	51872*	effects on animals	72026*	103589*
habits and behavior	33474	84190	in peas		1378*	effects on cheese		44321*
metabolism	53540	53549	in plants	10233	19319	effects on corn	68990*	68991*
microorganisms		14237	69296 69308	4679*	48521*	effects on cotton	1113*	78656*
nematodes	5577	84201	reviews		48627*	effects on mandarin oranges		38378*
nutrition	33474	53551	in potatoes		57939*	effects on melons		58491
populations		106090*	in soils		80112	effects on plants	12047	38086
rearing and breeding equipment		43332	in strawberries		44599	8811* 28141*	78505*	100440*
regeneration of parts		53543*	in tobacco		88847	effects on potatoes		78339*
respiration	23921	33481	in wheat	48575	55371	effects on rape		38184*
water relations		53545	58959*		100635	effects on tobacco	58476*	58948*
Periplaneta emarginata		106090*	Peroxides			effects on trees		50870*
Periplaneta orientalis SEE Blatta orien-			in fats and oils	7269	38339	feed		91879
tal		5537	45126 86291	16301*	26081*	fertilizers		49962*
Periploca atrata		23812	86303*			conferences and congresses		20651*
Perisphincter n g		95337*	in grain		6947	fungicide		339
Perithous		95337*	in gums and resins		71533	insecticide	339	4645
Perithous albicinctus		53424	in honey		55386	mulch	2490	59850
Perithous (Hybomischos) n sgen		30942*	in pulp and paper manufacture		30645	70667 84584	91197	102081
Peritoneum		12962*		30650		29851* 91206*		
cattle	31450	92573	Peroxyacetic acid		6642	prices		48490*
31489* 62301*	82281*	92438*	Peroxymonosulfuric acid		85585*	processing		27309*
dogs	3875	22351	Persea		88345	resins		45240
goats		92729	Persea americana SEE Avocados			therapeutic use		13158*
horses		82804	Persea gratissima SEE Avocados			waste utilization		90666*
mice	82499	104182	Persea schiedeana SEE Avocados			Petroleum spirits	81061	81047*
poultry	4025	72617*	Persian clover	90198	38869*	Petroselinic acid		6063
rabbits	63002*	63004*	79345* 90188*		72259*	Petroselinum SEE Parsley		
swine		52652*	Persian walnut SEE Juglans regia			Petrova houseri		95485
Peritrophic membrane	14064	42841	Persicargas SEE Argas (Persicargas)			Petsai SEE Chinese cabbage		
73685 23716*			Persimmons		34716*	Petunia		
Perixylocopa SEE Xylocopa (Perixylo-			breeding		19824	anatomy and physiology		9786
copa)			control		90640	biochemistry	19272	100616*
Perlesta placida		53577	fungus diseases		9166	culture		59735*
Perlidae		14944*	processing	25507	75307	enzymes		100616*
Perlite	10703	49287*	varieties	19823	19844	genetics		89263
Perlon SEE Nylon		60550*	SEE ALSO Kaki persimmon		101263	injuries	37047	68006
Permafrost SEE Soils, frozen			Personnel management	108702	109236	male-sterile		47844
			109242 109246			pollen	9786	99980
			Perthane	42692	75201	propagation		47844
			Pertusaria		105135			
			Perubala		37647*			
					14743			

\*Text of this reference is not in English.



Item			Item			Item		
Petunia-- Cont			Phalangida-- Cont			Phenol compounds	453	65450
varieties	39206	59735*	Great Britain	73513	94804	38307*	41038*	41046*
virus diseases		47540	Hungary		94745*	Phenol reaction		42846*
Petunia hybrida			Japan	23571	63895	Phenol red SEE Phenolsulfonphthalein		
anatomy and physiology	964*	9794*	metabolism		83800	Phenolases	37299	99415
biochemistry	19327*	89319*	Netherlands		94782	in apples	65450	107313
cytology		99992*	Poland		94783	in bananas		15931
genetics	58405*	89319*	Rennell Island		105552	in Calliphora vicina		83992
nematodes		18402	reproduction		42907*	in corn		99593
virus diseases		37475*	respiration		83800	in Datura stramonium		89937
Peucedanum graveolens		9119	Rhodes		105561*	in fruit		55088*
Peucedanum mogoltavicum		59049*	surveys		42922*	in pears		107312
Peucedanum morisonii		19370*	Tatra Mountains		42932*	in plants	10202	28325
Peucedanum oreoselium		1277*	taxonomy	14476*	94770*	69172	69178	69264
Peucetia viridans		14460	Uruguay	42949*	63891*	10177*	28405*	
Pexopsis		23703*	Phalantia		95417	in Podospora anserina	10182*	19296*
Pezicula alba	107343		Phalaris	2617	38290	89812*		
Pezicula corticola	37194*		Phalaris arundinacea	908	28637			
Pezicula malicorticis	107343			93606		in potatoes	34705	69245
Peziza aurantia	58332*		Phalaris canariensis	107783	69511*	in pumpkins		19292
Pezizales	99075	46984*	Phalaris tuberosa	20961	48865	in soils		80112
77483*		46985*	59325	38223*	69511*	in Streptomyces		69243
pF SEE SUBHEAD moisture UNDER			Phalaris tuberosa stenoptera	17696		in tobacco		47508
specific subjects				17697		Phenolic acids	19256	16167*
Pfeffinger disease, Prunus SEE Rasp			Phalera bucephala		95332*	in algae		89901*
leaf, Prunus			Phalix titan	5395	73708	in celery		37201*
Pfeiffera		77394*	Phallus hadriani	37017*	47027*	In Tsuga mertensiana		41051
pH SEE SUBHEAD hydrogen-ion concen-			Phallus impudicus	95064*	94926*	in wheat		48516
tration UNDER specific subjects						Phenolic-formaldehyde resins		40937*
Ph 1503 SEE 2,2'-Methylene-bis (3,4,			Phalonia degreyana		23867*		40950*	
6-trichlorophenyl)-monophosphate			Phaltan	37342*	77677*	Phenolic resin adhesives	41116*	61414*
Phacelia	30828*	101014*	Phanaeus		94861*	Phenolic resins	21537*	40946*
Phacelia franklini		987	Phanerogams SEE Spermatophyta			41115*	71406*	103011*
Phacelia tanacetifolia	29733*	38252*	Phanerotoma	33309*		Phenology SEE Climate and weather		
48339*	58834*		Phanerotoma flavitestacea	52916		Phenoloxidasases SEE Phenolases		
Phacidiaceae		189		83407		Phenols	53068	69214
Phacidium infestans	68112	99278	Phanopteridae SEE Tettigoniidae			chemistry		15433
47362*			Phaonia		73673	effects on fats and oils		55623*
Phaconeura		43157	Phaonia errans		95064*	effects on insects		83130*
Phacus	36962*	88461*	Pharaoh ant SEE Monomorium pharaonis			effects on Neurospora sitophila		89698
Phaenicia		94183	Pharbitis SEE Ipomoea			effects on plant disease		18347
Phaenicia cuprina			Pharyngoscopy		103669*		58100	
anatomy and physiology		1748	Pharynx	5420	63098	fungicide		18080*
83262	105716		Phaseolin		1317	in apples		48644
Australia	32679	83269	Phaseolus aconitifolius SEE Moth beans			in aquatic plants		1417*
control	83263	105133	Phaseolus angularis SEE Adzuki beans			in Areca nuts		16510
genetics		42432	Phaseolus aureus SEE Mung beans			in bananas		27185a
watering		83920	Phaseolus coccineus SEE Beans			in Baptisia leucophaea		38518
Phaenicia sericata	105717	63489*	Phaseolus limensis SEE Lima beans			in cotton		96721
Phaenocarpa		33309*	Phaseolus lunatus SEE Sieva beans			in deer vetch		100612
Phaenopria popei		23790	Phaseolus lunatus macrocarpus SEE			in Eucalyptus	38561	49787
Phaeocapsus SEE Deraeocoris (Phaeo-			Lima beans			in feed		6565
capsus)			Phaseolus mungo SEE Mung beans			in fruit	25371*	55099*
Phaeocollybia		17876	Phaseolus polystachys		624	in fungi		69181
Phaeocryptopas gaumanni		9142*	Phaseolus radiatus SEE Mung beans			in grain		107525
Phaeocryptopus		333	Phaseolus sublobatus		68445	in grapes		85160*
Phaeocystis		68377*	Phaseolus vulgaris SEE Beans			reviews		24646*
Phaeogeninae		23784*	Phasiinae		33148*	in grasses		69213
Phaeographina		37034	Phasmatidae	5575	43315*	in grasshoppers and locusts		105768
Phaeomarasmius erinaceus		47044*	Phasmatidae SEE Phasmatidae			in guavas		28380
Phaeopappus SEE Centaurea			Phauloppia		94678	in Hypericum nummularium		59047*
Phaeophyceae	17844	89190*	Phayla		94955*	in lignin	102957	103029*
Phaeophyta	67921	89907	Pheasants			in lumber preservation		12284*
Phaeophytin SEE Pheophytin			Brazil		42101*	in Musca domestica		105768
Phaeoscopulariopsis		37010	breeding		82571*	in pears		38644*
Phaeoseptoria		27215a	breeds		62717	in Pinus		89958
Phaeosphaeria		99069	diseases		22671	in plants	10201	28312
Phaeostagonosporopsis zeae		18237	feeding and nutrition	62731	82571*	58034	59003	61512
Phaeostomiopeltis n g		88502*	pests		95638*	69265	69329	77554
Phagocarpus permundus		14200*	Rhode Island		37052	89908	28379*	47516*
Phagocytosis	24870	41677	Phegopteris polypodioides SEE Dryop-			conferences and congresses		48603
95113	103208	51600*	teris phegopteris			in Populus trichocarpa		69254*
Phainantha		88345	Pheidole	33303	33305	in potatoes	47369	68183
Phalacridae		83856	Phellinus SEE Fomes			in Proteaceae		99481
Phalacrodera		94996	Phellodendron amurense		9379*	in pulp and paper		89898
Phalacroloma		57627*	Phenacaspis		105836	in Rhododendron ponticum		102957
Phalaena saccharivora SEE Diatraea			N-Phenacetyl piperidine SEE R-163			in Salix amygdalina		48527*
saccharalis			Phenacoccus	53410	14772*	in Salix fragilis		10267*
Phalaenidae SEE Noctuidae			Phenacoccus hirsutus		105170	in Scirpus lacustris		1433*
Phalaenopsis	58335	59712	Phenacoccus madeiriensis		52926	in sausages		1417*
Phalangida			Phenacoccus solani		95329	in soils	49787	80040
abnormalities		94736*	Phenactil SEE Chlorpromazine			20439*	101748*	
Africa		73525	Phenazinium compounds		38095*	in tea		15513
anatomy and physiology		53193*	Phencyclidine SEE Sernyl			in tobacco	7540	19402
biochemistry		105587	Phenethicillin		71740	in tomatoes		9197
collecting		42922*	Phengodidae SEE Cantharidae			in wheat		47283*
Germany			Phenkapton	4669*	63626*	in wine	85160	25371*
East Germany		42907*	Phenobarbital		3816	96274*		44178*
						reviews		24646

\*Text of this reference is not in English.

Item			Item			Item		
Phenols--Cont			Phillyrea angustifolia	101158*		Phleum		
therapeutic use	92464*		Philodendron	46829	77404	anatomy and physiology	78516	78448
toxicity	4543*		Philodendron cordatum		1015			
Phenolsulfonphthalein test	13030*		Philodromus fallax		33066	biochemistry	69195	69308
Phenothiazine	71721		Philonthus	5137	73607	cytology	690	37782*
therapeutic use	91916*		94963*		94902*	ecology		88976
Apis mellifera			Philonthus (Onychophilonthus)		94962*	feed	93603	93624
cattle	41656	94203	Philophthalmus hegneri	41985	41986	fungus diseases		88760*
poultry	42032	93379	Philophthalmus megalurus		104358	seeds	7411	88760*
sheep	4356	63064	Philopteridae		5631	Phleum montanum		690
63079	72834	104627	Philopterus		23943	Phleum pratense		
52432*	72854*	82802*	Philornis		53316	anatomy and physiology		10015
swine		104894*	Philosamia SEE Samia				78672	966*
Phenothiazine compounds			Philoscia bonita		83804	biochemistry		69201
Phenoxy acids	29167	29194	Philosepedon		95103*	culture		1600*
79795*			Philostratus n g		94993	cytology	8548	37715
herbicide		29278	Philotarsidae		84234	ecology		68387*
in milk		62062	Philotes		95462	France		69578*
Phenoxy compounds		19216*	Philotes sonorensis		5530	germination		1140
Phenoxy-3,4-dichloroacetanilides		90685	Philotrypes caricae		95308	seeds		1600*
Phenoxyacetic acid			Philydrum lanuginosum		9432*	varieties		1569*
effects on flax		9912*	Phinopilus		14521*	Phloem	89175	99873
effects on plants	37956	48255*	Phlaeoba infumata		5581*	47754*		100482
58572*			Phlaeoba panteli		106104	Phloem necrosis		
herbicide	37956	89343	Phlaeothripidae		95671	Ulmus		105402
in fungi		38514	Phlebotomus SEE Polypodium			Phloeomyzus redelei		23382*
Phenoxyacetic acid compounds		48254*	Phlebotomus heitrici		33301	Phloeophagus thomsonii		83833*
Phenoxyaliphatic acid		10135	Phlebotominae	64031	32656*	Phloeophagus turbatus		83833*
Phenoxyalkanoic acid		80102	63503*			Phloeosinus armatus		23592
Phenoxypropionic compounds		49416*	Phlebotomus			Phloeosinus aubei		83852*
Phentermine resin		62739	Africa		33174	Phloeothrips nodicornis		15004*
2' Phenyl benzimidazole		72826	and disease	14035	32699	Phloeotribus scarabeoides		63656*
Phenyl N-methylcarbamates		42481	42521*		52779	Phloeozeteus	63910*	94887*
O-Phenyl-O'-(4-nitrophenyl) methyl-			Africa		63482	Phlomis pungens		78086*
phosphonothionate		105028	Brazil		23113*	Phloraspidinol		28361
2-Phenylacetamide		78813	China		105104*	Phloraspyron		28361
1-(Phenylacetyl)-piperidine		52765*	France		23144*	Phloretin		37300
Phenylalanine	69207	93154	Panama		105114	Phloridzin SEE Phlorizin		
3-Phenylazo-2,6-diaminopyridinehydro-		100666*	reviews		83224	Phlorizin	37300	89875
chloride		93273*	Sudan	4718	4720	Phloroglucides		69303*
Phenylbutazone		41590*	63480			Phloroglucinol		79031
Phenylenediamine		100710*	biology		14644	Phlotodes angolensis		14989
Phenylhydrazine		58992	Brazil		23683*	Phlox		49186*
Phenylhydrazones SEE Hydrazones			China		95105*	Phlox decussata		28384
Phenylmercuric acetate SEE Mercury			control	14057*	94206*	Phlox drummondii		98984
compounds			ecology	4720	105781*	Phlyctochytrium palustre		18619
Phenylmercuric chloride SEE Mercury			habits and behavior		53344*	Phoebe		88345
compounds			Hainan		105731*	Phoebe goalparensis		40541
o-Phenylphenol	16060	44618*	Iran		64031	Phoenix SEE Dates		
Phenylsuccinic acid esters		61851*	microorganisms		105114	Pholema n g		53433
Phenylurea		39493	Panama	32678	32684	Pholeodytes		105612
Phenizidole		52414	populations		52779	Pholidoptera		14919
Pheochromocytoma		22278	rearing and breeding	5259	64010	Pholidoptera griseoaptera		106083
Pheophorbides	6051	6884	73622			Pholidotus		94990*
Pheophytin	6051	6884	Sudan		52779	Pholiota adiposa		8889*
48600			taxonomy	33174	23683*	Pholiota astragalina		47029
Pheophytin a		38633*	Trinidad		95042	Pholiota aurivella	8889*	46982*
Pheophytin b		38633*	Venezuela		53346*	Pholiota destruens	398*	88539*
Pherbellia		33198	Phlebotomus alexandri	95037*	105104*	Pholiota erebia		47033*
Pheromones	94630	23517*	105728*			Pholiota flammas		8889*
Apis mellifera	42801	73344	Phlebotomus argentipes		5259	Pholiota flavida		47030*
32952*	32955*		Phlebotomus ariasi		84215*	Pholiota lucifera		47033*
grasshoppers and locusts		23930	Phlebotomus arpaklensis	63483	63503*	Pholiota spectabilis		47033*
Ips confusus		33116	Phlebotomus bahiensis	5317	14644	Pholiota spumosa		47031*
Musca domestica		63666	Phlebotomus betisi		5290	Pholiota squarrosa-adiposa		47045*
Noctuidae		73839	Phlebotomus caucasicus		105728*	Pholus achemon	23860	73810
termites		53581*	Phlebotomus choti		14644	Phoma	25462	37032
Trichoplusia ni		64229	Phlebotomus fanglianensis		105731*	107378*		26951a*
Pheropsophus sorrinus desbordesii			Phlebotomus graecovi		63503*	Phoma betae		99314*
		94945	Phlebotomus kelantani		5290	Phoma herbarum medicaginis SEE		
Pherotesia		95508	Phlebotomus longipalpis	23112*	23113*	Ascochyta imperfecta		
Phialophora	81390	27229a*	Phlebotomus mongolensis		105104*	Phoma lingam	425*	99126*
Phialophora cinerescens		77769				Phoma oleracea		57954
9092*	47225*	58303*	Phlebotomus orientalis		4718	Phoma solanicola	47400	77718
Phialophora jeanselmei		68738	63480			Phomopsis	201	88514
Phialosporae		223	Phlebotomus papatasi		5259	67943*	77640*	
Phidippus		94703	5315	64010	63503*	Phomopsis juniperovora		413
Philadelphus		99983*	Phlebotomus (Paraphlebotomus)		105728*	Phomopsis macrospora		99333
Philaenus spumarius	42610	52903	Phlebotomus perniciosus		84215*	Phomopsis mali		99464
83910	84063	95271	Phlebotomus (Pifanomyia) n sgen		53346*	Phomopsis padina		88806*
Philarctus quaeris		95679	Phlebotomus squamirostris		95050*	Phomopsis viticola	329	57887
Philately SEE SUBHEAD in philately			Phlebotomus tumenensis		95105*	Phony peach		
UNDER specific subjects			Phlebotomus tuppynambai		14644	peaches		58108
Philippine hemorrhagic fever		4715	Phlebotomus vexator occidentis		73622	Phoracantha semipunctata		53042
Philiris		106053*	Phlegethontius sexta		73810	Phoradendron	16520	37810
Phillipsia subpurpurea		99096*	Phlegmacium SEE Cortinari			88340		46929
Phillipsiella		46999*	Phleomycin		37316	Phorate		
						bean pest control		42614

\*Text of this reference is not in English.



## Item

## Phorate-- Cont

barley pest control	63537
cantaloupe pest control	42597
citrus pest control	63613*
cotton pest control	83172
effects on seeds	105156
formulations	73105
<i>Gleditsia triacanthos</i> pest control	
remidia	73306
ornamental plant pest control	83490
pasture and meadow pest control	
potato pest control	14158
residues	105212
sugar beet pest control	24349
toxicity	63539
wheat pest control	42815
Phorbia SEE Hylema	23258
Phorbides	48600
Phoresy	23553 33489 95323*
Phoridae	
Australia	14595
bibliographies	95054*
control	42631
genetics	43086* 63993*
North America	5236*
rearing and breeding	83918
taxonomy	14594
Phormia	53520 43114*
Phormia regina	
anatomy and physiology	14627
23638 23662	84011
and disease	73163 83219
biochemistry	23711 73657
105693 105694	
cytology	5336
development	14623 23711 73656
eggs	73656
larvae	23708
nutrition	73657
Phormia terraenovae	5302 43096
105021 73664*	
Phormidium minnesotense	48366*
Phormidium uncinatum	38313*
Phorocerosoma	23703*
Phosdrin	75189 32576*
Phosfon	38372 47941 48008
58534	
Phosphal	50099* 50119*
Phosphamidon	6004 42692 42782
42815	
Phosphatase test	24844
Phosphatases	7025
effects on cattle	13119
in <i>Acetabularia</i>	38576
in animal physiology	21838
in beans	88844
in blood	4249 13437 82819
86175 3123*	3788* 22997*
92088* 92574*	
in <i>Bombyx mori</i>	83721* 105496*
in butter	74742*
in cattle physiology	41624* 92478*
in cheese	65072
in cream	85298
in <i>Drosophila melanogaster</i>	43049
63989	
in <i>Eremurus</i>	69244*
in fungi	89637* 89817*
in honey	65778*
in horse physiology	92895*
in insect physiology	32984
in legumes	69204
in <i>Locusta migratoria</i>	43322
in milk	6358 24834 54524
65085 65100	74791 31188*
41624* 65125*	
in mouse physiology	104196*
in <i>Neurospora crassa</i>	1369
in parasites	103172
in <i>Phleum</i>	69195
in <i>Pinus sylvestris</i>	58973*
in plants	48520 100383 100525
in poultry physiology	22386 52160
72622 104432*	
in <i>Sarcophaga bullata</i>	5295
in semen	3358 92166
in soils	49785 60202* 90908*

## Phosphatases-- Cont

in swine physiology	22958
in <i>Tribolium confusum</i>	
in wheat	48588*
Phosphate esters	9675
Phosphate rock	2450 11437
11837 11841	40084 49961
49993 50070	60741 89583
91364 99771	101994 102318
11314*	28186* 29738*
39898*	40001* 50072*
68672*	68805* 72591*
80416*	90925*
Phosphates	
analysis and composition	11838
chemistry	106916 72079*
effects on alfalfa	28126 47950*
effects on apples	58826*
effects on bacteria	51942*
effects on beans	68847
effects on cattle	1177 68847
effects on clover	12941 22085*
effects on corn	28126
effects on fibers	78556*
effects on oil plants	25118
effects on <i>Pichia indica</i>	69190*
effects on plant disease	18798
effects on plants	18365
19010*	19001 27509a
effects on poultry	55728
effects on tomatoes	69074
fertilizers	2329 2350 11843
11853 30053	40358 50095
50136 50412	60774 80019
80730 11853*	50170* 50395*
70620*	70846* 79979*
96674*	
alfalfa	39934 80317
barley	60524*
Bulgaria	60427*
Brussels sprouts	60401*
corn	40062*
eggplant	102009
Egyptian clover	11171 11579
field crops	11446 11593
2320* 49984*	50059* 50119*
80374*	
forage plants	70656
France	21022* 50099*
fruit	11495*
Germany	
East Germany	60489*
grain	40062*
grasses	80454 89580
Hevea brasiliensis	80268
Hungary	60418*
India	11498 11865
Japan	70858 50091*
mushrooms	60506*
New Zealand	11488 11838
pastures and meadows	11474
48365 70612	78744*
peanuts	101949
pineapples	2431 40056
Pinus canariensis	50774
Pinus contorta	61082
potatoes	20591 11524*
rice	11476 11545 11622
80364 80440	
Scotland	11609
sorgho	101914
soybeans	101929
sugar beets	20770 29789
80305*	
sugarcane	60426 39918*
tea	50162 91077
tobacco	60437
tomatoes	29799 40032*
vegetables	80372
wheat	11476 50096
fixation	11233 11234 101760*
60155 80064	101690
in alfalfa	28184
in algae	38324*
in animal nutrition	71608*
in animal physiology	51575*
in <i>Ankistrodesmus braunii</i>	19154
in barley	80023*

## Phosphates-- Cont

in cabbage		48227
in cattle nutrition	62097	82140
72079*		
in cheese		96400*
in <i>Chlorella</i>	68679 78984	9837*
in corn	1445	69127*
in <i>Cunninghamella</i>	38292	89602
in <i>Cuscuta reflexa</i>	28184	59084
in <i>Dunaliella viridis</i>		89734*
in <i>Elodea densa</i>		48378
in <i>Fagus</i>		9787
in feed	41235 81677*	96674*
in flax		80023*
in food processing		16522
in glycogen		43917
in honey		83661*
in meat		86216*
in meat processing		55542*
in milk	6366 24825	24875
in milk processing	106916	34450*
in <i>Penicillium chrysogenum</i>		58713
in <i>Pithecellobium dulce</i>		28184
in plankton		38324*
in plants	1292 11327	11357
19324 48419	58895	69168
78540 96114	11*	10115*
in poultry meat		97374
in poultry meat processing		35289
in pumpkins		19222*
in rabbit physiology		22736*
in <i>Scenedesmus obliquus</i>		89734*
in semen dilution		22024*
in soils	2143 2175	2215
2453 11232	11257	11274
11281 11297	11308	11313
39751 39754	39687	50013
50140 60109	60176	70283
70292 70332	78540	80042
80057 80134	80454	100525
101691 101727	101829	11260*
11284*	39730*	40075*
49712*	49735*	49756*
70281*	70282*	70294*
78744*	80023*	80068*
Florida		90918*
India	11591 20465	80019
Indiana		60155
Italy		90891
Japan		11451*
Rumania		38122*
USSR	39695* 49738*	101760*
70316*	70318*	49759*
Vietnam		70566*
Yugoslavia		29576*
in <i>Solanum nigrum</i>		48172*
in starches		43917
in sugars	107911	107913
in tanning		35118*
in tobacco		10071
in tomatoes		48227
in water		101718*
in wheat		69156*
in wheat germ		75380
in yeasts		28025
nematocide		77977
SEE ALSO Superphosphates; and names of phosphate compounds		
Phosphatides	7330 7290*	
effects on <i>Camnula pellucida</i>		33473
effects on grasshoppers and locusts		14937
effects on <i>Melanoplus bivittatus</i>		33473
in blood	4402 13237	93780
104859		
in cattle physiology		22248*
in fats and oils	55621	86136*
in insect physiology	23520	23638
in meat		25864
in milk	24857	74876
in milk fat		85320
in <i>Musca domestica</i>		23650
in <i>Neurospora crassa</i>		78932
in oilseeds		81673*
in <i>Phormia regina</i>		105694
in plants	48577	89956*
in sheep physiology		72730
in soils	2149	2150
in soybeans		26067*

\*Text of this reference is not in English.

Item				Item				Item			
Phosphine	14230	23365	83505	Phosphorus-- Cont				Phosphorus-- Cont			
Phosphine sulfide tris (1-aziridinyl)				effects on potatoes	1025	78817		fertilizers--cont			
		105161*		9686*	69088*			rice	9745	9942	20726
Phosphoamidase		106896		effects on radishes		38026*		48747	102015	102026	
Phosphobacterin		90940*		effects on <i>Rhizophora harrisonii</i>		18945		root crops			39973*
Phosphodioxin		58964				19146*		safflower			101924
Phosphoesterases SEE Phosphatases				effects on rice		78586		<i>Sorghum vulgare sudanense</i>			70634
Phosphofructokinase		89870		effects on <i>Sorghum alnum</i>	48148	78246		soybeans	60445	101948	60431*
Phosphoglucoseisomerase		1306		effects on soybeans				100532*	101992*		60424
Phosphoglyceric acid		100591*		78384	78631*			spinach			60541*
Phospholipides SEE Phosphatides				effects on sugar beets		100239		sugar beets		9712*	
Phosphomonoesterase SEE Phosphatases					9730*			101996*			
Phosphonic acid esters		105028		effects on sugarcane		19052*		sugarcane		50034	68895
Phosphoproteins	55737	72622		effects on swine		13795		70494	78880*		
Phosphopyridine nucleotides SEE				effects on tobacco	18797*	38223*		sunflowers			50184*
Codehydrogenases				effects on tomatoes	939	19249		sweetpotatoes			11470*
Phosphoramidates	73097	91682		58722	38375*			Switzerland			11616*
Phosphoramidothioic acid		73097		effects on Tulipa		100152		tobacco		60438	91028
Phosphoric acid				effects on wheat	1062	28198*		tomatoes	2367	11559	20630
fertilizers	11862	49960	50431	fertilizers	2157	2325	5403	60478	101960		
60457	70878	102331	2228*	11308	11836	20604	29707	trees			30337*
20471*	21016*			60202	60752	70523	70855	turf			49969
barley		80432*	91176*	70865	80065	80296	80734	USSR		80359*	80760*
Denmark			20654*	80761	91118	91409	11627*	vegetables		2351	102068
field crops		11528*	38085*	29722*	29822*	40105*	60779*	101367*			
80315*				91072*	101983*			wheat	11475	19036	20714
grain			40034*	Agropyron desertorum		50159		39917	50047	60403	91162
peas			60311	alfalfa	29689	29777	39979	101991	29726*	60493*	
potatoes			50141*	50130	70653	80378	91069*	reviews			70622
sugarcane			40034*	Andropogon		70512		fixation	11287	49719	80015
vegetables	29694*		38085*	Anemone coronaria		58624		in alfalfa		101994	102054
in cattle nutrition			71999	apples	80311	9997*		in animal nutrition		3077	12514
in soils	11594	29472*	29485*	Australia		101938		21786	71608*		
39940*	39978*	48077*	90912*	Austria		101720*		in animal physiology		21888*	71766*
90923*	101761*			bananas		60430*		103380*			
Germany			40079*	barley	20650	69091*		in bananas			19167
Hungary			80162*	beans	39949	70598	101991	in barley	9751	18584	9664*
Phosphoric acid esters	23520	22961*		beets		70550*		in beans		9643	58528
63414*				Bromus inermis	29736	50159		in blood	63152	72865	3123*
SEE ALSO Organic phosphorus in-				Carya illinoensis		49955		3788*	70419*	92437*	92541*
secticides				cauliflower		29800		92554*	92574*	93632*	93662*
Phosphoric anhydride SEE Phosphorus				cherries		77963		in broadbeans		19017*	68803*
oxides				China	91188*	102306*		in buckwheat			28116*
Phosphorite flour SEE Phosphate rock				clover		29777		in buffalo physiology			62238
Phosphorites SEE Phosphate rock				corn	2314	20746	39949	in carrots			58828*
Phosphorobacterin	11357	2226*		40069	48191	60365	11511*	in Carya illinoensis			49955
39780*	39791*	102594*		11601*	29662*	89544*		in cattle nutrition	51748	51769*	
Phosphorodithioic acid		83124*		cotton	2456*	29686*	49993*	62412*	72078*	72149*	92443*
Phosphoromonoesterase SEE Phospha-				80338*				in cattle physiology		3696*	22191*
tases				cucumbers		60478		31088*	31233*	31307*	82245*
Phosphorothioates	32592	93958		Dianthus		29668*		92298*	92526*	103551*	
Phosphorothioic acid	4634	24350		Digitalis purpurea		70516*		in cherries			100596*
Phosphorus				field crops	60370	2402*		in Chlorella	1067	47944	78479
effects on apples		9997*		11597*	39982*	60359*		78966			
effects on apricots		1206*		flax		20677		in Claviceps purpurea			38210
effects on <i>Aspergillus niger</i>		48307*		forage plants	60324	70488		in coffee			100387*
effects on <i>Aspergillus nidulans</i>		89311		fruit	50004	11564*	60518*	in corn			38186
effects on barley	886	69006		70624*				48191	58397	78568	101994
78621				grain	91164	91164	11547*	48162*	68803*	68805*	68960*
effects on beans	68764*	100204*		39937*	101997*			69065*			
effects on beets		9405*		grapes		2391*		in cotton			78447*
effects on <i>Botryodiplodia ananassae</i>		68697		grasses		2368		in feed	6563	12916	25094
				hemp		91034*		41956	85521	52548*	
effects on cacao		9639		Hevea		89583	2387	in fertilizers		11841	11852
effects on Characeae		38066		India		11287		50402	80750	80752	80753
effects on citrus		100182		Iris tingitana		27917		91377			
effects on <i>Colletotrichum capsici</i>		58477		jute		80252		in fish			26386
				legumes		2368		in flour		1062	25770
effects on corn	83289	9405*		lupine		70647*		in forage plants		983*	22057*
9731*				oats		78415		70419*	91839*		
effects on fruit		1029*		okra		60513		in <i>Galleria mellonella</i>			73819
effects on <i>Fusarium solani</i>		68697		onions	69091	39919*		in grain		38039*	44956*
effects on grapes		1012*		oranges	19031	60505		in grasses			100450*
effects on Lantana		58553		pastures and meadows		70539		in guinea pig nutrition			13408
effects on Leguminosae		1033*		60497*	101951*			in laboratory animal nutrition			4003
effects on <i>Ligustrum japonicum</i>		58553		peanuts		102056		4004			
effects on <i>Macrophomina phaseoli</i>		68697		peas		101945		in legumes		38039*	48117*
				Picea glauca		21232		in lemons			68972*
effects on <i>Mathiola incana</i>		48391		pineapples		60428*		in manures			40385*
effects on peaches		1206*		Pinus		91538		in milk			106924*
effects on peanuts		102056		Polianthes tuberosa		27916		in millet			101994
effects on peas		78508		potatoes	2365	20683		in Morus			58715
effects on <i>Pinus radiata</i>		68834		39936	69091	70655		in <i>Musca domestica</i>			83936
effects on plants	1091	2368		11511*	11521*	11547*		in oats			78415
19014	48347	58793	89687	Ranunculus asiaticus		58625		in peas		27999	68848*
9711*	18880*	100240*		redpeppers		2406		in Pinus			40675
effects on plums			58496					in plant nutrition			48230

\*Text of this reference is not in English.



Item				Item				Item			
Phosphorus-- Cont				Phosphorus oxides				Photometry			
in plants	1051	24372	38139	78880*	89579*	102306*	80751	45374	25094	33209	36664
47974	48232	48272	48373	Phosphorus pentoxide SEE Phosphorus				91768	103044	26276*	39706*
48430	48435	78670	100243	oxides				54505*	60148*	65090*	86281*
100467	1038*	9834*	18882*	Phosphorylases				flame			
19097*	19121*	48111*	58868*	10186	28314	60212		6312*	48350*	70310*	84775*
in Populus			89746*	78989	89953	38655*		90867*	96107*		
in potatoes		78381	38195*	in cassava				SEE ALSO Spectrophotometry			
in poultry nutrition		4111	13459	in Euglena gracilis				Photomicrography			
13465	22559	41920	41940	in potatoes				92030	92729	109033	62315
62737	62762	62775	72566	in swine physiology				Photoperiodism			
82559	93161	22548*	93103*	Phosphorylation				Acer pseudoplatanus			
in poultry physiology		41931	41999	1260	9655	9799	10080	Acronicta rumicis			
52234	31786*			18238	18239	18796	18803	alfalfa			
in Protococcus			68684*	19154	19235	19273	19331	78869*			10003
in rabbit physiology			32145*	19340	37961	38408	52713	Anagallis arvensis foemina			
in rat nutrition		4003	4004	53522	58577	58802	58925	animals			
in rice	11594	9965*	68977*	58964	59019	69231	75353	52067	92841		100109
in ruminant nutrition		3060	3061	78895	89480	100183	100359	reviews			
in ruminant physiology			21780	101818	410*	9647*	9837*	Anthonomus grandis			
in Scorzenera			38044*	27220a*	38095*	48069*	58694*	barley			
in semen			92166	58775*	69239*	71554*	78776*	beans			
in sheep nutrition		4346	4347	84192*	89896*			Begonia cheimanthus			
13654	82769			Phostoxin SEE Phosphine				Bidens			
in sheep physiology		32235*	32293*	Phosvitin				birdsfoot deervetch			
72807*	72878*			104353	104421	86335	93549	Brassica			
in Shorea robusta			30413	Photinia arbutifolia				Bromus inermis			
in soils	1091	2147	2157	Photinoides n g				cabbage			
11252	11290	11306	20453	Photinus				Calpe emarginata			
29707	39708	39712	39733	105674				Carposina niponensis			
39742	40084	47974	48373	Photinus pyralis				Cattleya			
49672	49675	49695	49719	Photoelectric cells				Chenopodium			
49764	58482	70274	70280	88134*				Chlorella pyrenoidosa			
70287	70290	70301	79997	Photogrammetry				Chrysanthemum			
80028	80065	80103	80734	animals				89757			
90842	90851	101697	102054	forests				clover			
2375*	11271*	11314*	39690*	102474	11941	21171	82158	reviews			
39796*	49690*	49807*	50054*	102474	40544*	71119*	61003	Coleus comosus			
60113*	60211*	70264*	80046*	land utilization				corn			
90872*	91130*	101739*	101744*	75835	35992*	16975	16989	cowpeas			
101757*				soils				crabapples			
Australia	11270	101938	101960	Photography				cucumbers			
Austria			101720*	108751	46210*	87451*	70751	Dactylis inermis			
California			11285	aerial				Dermacentor marginatus			
Canada	11238	29524	49723	forests	11992	21401	30257	Dianthus caryophyllus			
Ceylon			102026	30258	32059	40550	50648	37924*			
China			91163*	60973	63738	70979	71104	Dioscorea spiculiflora			
El Salvador			90971	80908	85051	99733	102489	Eragrostis			
Finland	2158	70293	80034	2747*	21148*	40471*	40545*	flax			
80035				40548*	80895*			grapes			
Florida			70298	Alaska		30249	60980	grasses			
Germany				Australia		60980	102480	reviews			
East Germany			18938*	Canada		37600	50672*	Hemerocallis			
Hawaii			70634	Ceylon		50672*	70992*	hemp			
India	11272	11315	11545	Finland		80912*	71092*	hops			
11593	60166	100467	101859	Japan		40544*	50668	Humulus japonicus			
Italy		60178*	70419*	Mexico		40551	30266*	Hypera postica			
Louisiana			20726	Minnesota			94490	Impatiens parviflora			
New Jersey			11307	Netherlands			21157*	insects			
Norway		11264	11295*	Oregon			50658*	Ipomoea nil			
Rumania			70680*	Sweden			70996*	Ischneura verticalis			
Spain			60128*	Tropics			16993	Kydia calycina			
Turkey			20415	USSR	91479	70974*	27097a*	Lepidoptera			
USSR		29512*	29722*	land utilization				Leptinotarsa decemlineata			
United Arab Republic			100243	45970*	56699*	108617*	29596	lettuce			
West Virginia			80032	plant diseases				Lilium longiflorum			
in sugar beets			100239	soils	2588	41229	27097a*	Listroderes costirostris obliquus			
in sugarcane			18919	49856	70434	88162	29610*	Lunularia cruciata			
in swine nutrition		22908	42257	49877*				Macrosiphum euphorbiae			
63188	83085*			Ghana		80166	39825	Megoura viciae			
in swine physiology			32477*	Maine		49898*	88162	Mentha piperita			
in tobacco		38241	78618	Mexico		49898*	12766*	Michelia champaca			
in tomatoes			38368*	vegetation	49856	88162	23475	Morus alba			
in trees			38057*	animals	3212	4444	83722*	mung beans			
in turkey nutrition		4114	22573	Apis mellifera			40554*	muskmelons			
41910				equipment			11775	Nicotiana sylvestris			
in turkey physiology			22535	forests			43677	oats			
in wheat	48230	78380	89434	in drainage research			46696	Odonata			
89750	100406	18088*	18089*	in economic poisons research			71481	olives			
19046*	38195*	89735*		in plant research			21848	ornamental plants			
Phosphorus chlorides			45134	in pulp and paper industry				Orthosiphon grandiflorus			
Phosphorus compounds			13058*	in veterinary medicine				Ostrinia nubilalis			
in cattle physiology			53100*	92057				106056*			
in Bombyx mori			41931	insects				Pectinophora gossypiella			
in poultry nutrition			63768	63478*	5356	95076	4627*	73793			
in royal jelly			58675*	83722*				73821			
in seeds			70278*	meat				Perilla			
in soils		49826*		plant diseases		25886	16202*	Perilla frutescens			
				plants	17513	27545a	36667				
				77186	79561	27445a*					
				SEE ALSO Films; Motion pictures;							
				Photogrammetry							

\*Text of this reference is not in English.

	Item				Item				Item		
Photoperiodism-- Cont				Photosynthesis-- Cont				Photosynthesis-- Cont			
Perilla frutescens crispa	37928*			apples	48360*			white clover	68881*		
Picea	71244*			aquatic plants	19013			SEE ALSO SUBHEAD anatomy and			
Pieris brassicae	73808*			Aztec tobacco	89899*			physiology UNDER names of plants			
Pinus nigra	81187			bacteria	28019	78475	100217	Phototaxis SEE Phototropism			
Pinus sylvestris	61124			100456	100028*	78539**		Phototropism	10060		
plants	19077	19255	1166*	reviews			78843	Avena	9882*		
18826*	38285*	68723*	68871*	barley	48548	89624		Bombyx mori	53106*		
69060*	89619*	100123*		beans	9655	18850*	68958*	Drosophila melanogaster	73635		
Plumeria	58856			broadbeans	1007*	18719*		Euglena	68686		
Polygonum	28132			buckwheat		100552*		Locusta migratoria migratorioides			
Porcellio scaber	53231*			Chinese cabbage	9772*	48107*		33453*	43313*		
Portulaca smalli	27862			Chlamydotrys	38477			19141	48085*		
potatoes	68701			Chlamydomonas reinhardi	10014			Mougeotia	48085*		
poultry	13603			28022	28341			Myzus persicae	64120		
Pseudotsuga menziesii	71250			Chlorella	38559	78637		plants	27811	27832	58930
Pteridophyta	909			9837*	10082*	28269*	68689*	38498*			
red clover	78836			69299*	78933*	78985*	100458*	reviews			78429
reviews	78519			Chlorella pyrenoidosa	37958			Photuris	5131	5132	
rice	89768	100080	100343	48278	78789	78793	78894	Phragmidium subcorticium			88704*
Robinia pseudoacacia	81187			18914*	48057*	100299*		Phragmites	78348	530*	68395*
Rudbeckia bicolor	37928*			Chlorella vulgaris	78367	48055*		Phragmites communis	65335*	65336*	
rye	78514			58580*				anatomy and physiology			78740*
Salmalia malabarica	28086			Chlorophyta	9828			99905*			
Salvia splendens	18913*	58614*		coffee	18951*			control			29157
Solanum	9650			Coniferae	100664			feed			72576*
soybeans	949	68690	68829	corn	58495	78362	78510	genetics			9572
spinach	28276*			9913*	38438*	48061*	48262*	molds			54901*
Stilpnolia salicis	73808*			78498*				morphology	47778*		78173*
strawberries	10091			cotton	48501			Rumania			78740*
Striga asiatica	28011			cucumbers	38139	18850*		Phragmonema sordidum			36968
sugar beets	9728*			Elodea densa	48378			Phragmopyxis			67935
sugarcane	48100			Enteromorpha linza	9886			Phratora			94833*
sweetpotatoes	37999			Euglena	19281	19399		Phreatophytes	2014	11116	67708
tobacco	100144*			evergreens	27855*			Phrixothrix			23627*
tomatoes	28007			Fagus	28088			Phrygilanthus aphyllus			36808*
trees	58762	81096	47928*	field crops	48502*	58478*		Phryne cincta			43124*
vegetables	38450*			flax	89433*			Phthalates			26052*
wheat	1187	38354	78759	forage plants	9938			Phthalide			34694
89765	48423*	58710*	89658*	Fouquieria splendens	100347			Phthalimidomethyl-0, 0-dimethylphos-			
white clover				fruit	1008			phorodithioate SEE Imidan			
Photosensitization				grain	19067	89433*		Phthiracaridae			63871
cattle	3638			grapes	100502*			Phthiracarus			94678
horses				grasses	48299*			Phthiracarus laevigatus			63871
sheep	42180	72797	72804	Jerusalem artichokes	89905*			Phthiraptera SEE Anoplura; Lice			
swine			82960	Lemnaceae	100526			Phthirus pubis	4770	73885	
Photosynthesis	888	903	979	lettuce	28250*			Phthorimaea ocellatella SEE Scrobipal-			
980	1014	1051	1057	Liriodendron tulipifera	10002			pa ocellatella			
1129	1153	1216	1223	100407				Phthorimaea operculella SEE Gnori-			
1248	1249	1254	1260	Lolium perenne	68881*			moschema operculellum			
1267	1281	1328	1337	Macrocyrtis pyrifera	89385			Phycita orthoclinea			14202
1340	1357	1358	1361	oats	18238	18239		Phycitidae			
1366	1375	1391	1392	Osmunda	100344*			anatomy and physiology			64192
1424	9683	9723	10080	peas	89624	9647*	48069*	biology	64191	73828	
10188	10206	18791	18907	Phormidium uncinatum			38313*	eggs			84174
18944	19071	19098	19153	Pinus	102718			Great Britain			84155
19215	19235	19415	27815	Pinus strobus	1081	9690		India			14202
27971	37998	38020	38100	Pinus taeda	1081	1081		Japan			83547*
38232	38370	48132	48363	plankton	1175	19107	28207	life history			106063
48406	48408	48421	48474	83239	78790	100328	907*	sterilization			14186
58488	58925	59064	68827	89834*				taxonomy			84123
68853	68942	68959	69086	Populus tremuloides	1215			Phycitinae	5489		23914
69147	69157	78343	78378	Porphyridium cruentum	78945			Phycobilins			78947
78408	78551	78575	78727	potatoes	27988*	89522*		Phycocyanins			78651*
78766	78895	89388	89480	proso		9913*		Phycocyanins	1330	89821	100638
89633	98714	98742	100107	Pseudotsuga menziesii	48209			Phycomycetes	340		81711
100172	100201	100284	100289	pumpkins	18850*			anatomy and physiology			38098
100298	100386	100428	100507	red clover	27881*			48053			
100522	1106*	1114*	1191*	reviews	78368			Brazil			187
1430*	1441*	1446*	10008*	78430	78871	78885	48273*	ecology			78009
10018*	19225*	28268*	28400*	rice	38488	28105*		Hong Kong			90905
37976*	38376*	38402*	48133*	Rosa	68944			reviews			47253*
48145*	48370*	48409*	48483*	Scenedesmus acutus	38295			taxonomy			88553*
48546*	48580*	58714*	58775*	Scenedesmus obliquus	48212*	100299*		Phygasia			14562*
68698*	68804*	69031*	69142*	Solidago virgaurea	27831			Phyla SEE Phayla			
77241*	78667*	78721*	89378*	soybeans	1285	58544	100153*	Phylacteophaginae			43194
89543*	89767*	100209*	100271*	spinach	9691	9799	19273	Phylca rogersii			89779
100516*	100591*	100680*		19274	58964	1007*	9820*	Phyllinae			95264*
Acetabularia crenulata	48349*			10098*	28228*	38095*	100710*	Phyllachoraceae			67931
algae	9755	19212	28195	sugar beets	19159*			Phyllactinia moricola			77728*
88118	98735	100217	100352	sugarcane	27942			Phyllactis pulvinata			36899*
100519	78881*	89419*		sunflowers	89487			Phyllanthodendron mirabile			46914
alpine plants	48122		48105*	tobacco	38412			Phyllanthus			89910
Anabaena variabilis	100639			tomatoes	38426	38094*	58583*	Phyllanthus discoides			69177
Anacharis canadensis	100299*			68675*				Phyllanthus emblica	55203		79869
Anacystis nidulans	19341			trees	27873	28000	47618	Phylliscum			17893*
				69141	100254	100491	100556	Phyllitis hemionitis			77430*
				wheat	28204	9913*	100586*	Phyllitis scolopendrium			73661

\*Text of this reference is not in English.



Item	Item	Item
Phyllobrotica 94834	Physcomitrium coorgense 27543a	Phytophaga destructor 14104 23258
Phyllocactus SEE Epiphyllum	Physical therapy 71745*	64000
Phyllocephala 53418*	Physicians 87426 98119	Phytophaga schoberi 83372*
Phyllocephalinae 5199*	Physics 41350*	Phytophthora
Phyllocoptes 5081	Physocephalus sexulatus 83003*	citrus 9070
Phyllocoptes fockeui SEE Vasates fockeui	Physochlaina prealata 29421	control 426
Phyllocoptes oleivorus SEE Phyllocop-truta oleivora	Physoconops 14599	Piper nigrum 77829
Phyllocoptes reticulatus SEE Aculus reticulatus	Physoderinae 95261*	potatoes 29100* 37133* 37212*
Phyllocoptruta oleivora 14210 32856	Physoderma corchori 57994	47306* 47345* 88706* 99527*
42687 42946 105266*	Physoderma maculare 88825	reviews 37215 68191
Phylloidea laticollis 94806*	Physoderma maydis 9599 18773	sisal 27209a
Phyllostromica 23919*	Physoderma menthae 191	taxonomy 8885 17920*
Phyllody	Physoderoides 95261*	tomatoes 88819* 101403*
Brassica 37945	Physopella zeae 27188a*	Phytophthora cactorum 9077 18150
red clover 68265	Physostigma venenosum 38536*	18164 37277 47302 77750
sesame 17998 18022	Phytadromyza 23696 95078	77803 77804 37358*
white clover 27323a 99657*	Phytala 105982	anatomy and physiology 100193
Phyllogigas 691	Phytase 29540 107451*	48390*
Phyllolabis 94997	Phytates 19366 62871	apples 27232 47218*
Phyllopertha horticola 63946 63957	Phytelephas macrocarpa 96803*	cherries 47213
83876*	Phyteuma limonifolium 37794*	reviews 99387
Phyllophaga 63958	Phyteuma spicatum 88259*	Phytophthora cambivora 77645*
Phyllostachys bambusoides 11142*	Phytic acid 13531 44733 62775	Phytophthora capsici 47364*
20351*	Phytin 6763 93161 107497*	Phytophthora cinnamomi 334
Phyllostachys makinoi 45381	Phytobia 14624 14674 23700	335 9003 9143 37199
Phyllosticta 916 8864 18065	64050 95078	37221 37393 70370 77656
89349 89350 99052 99120	Phytochromes SEE Chromoproteins	avocados 77655 47424*
77466* 99074*	Phytocoris 105840 14746*	Castanea 77645*
Phyllosticta artocarpicola 47199	Phytocoris parvulus 95237*	Chamaecyparis 18218* 37357*
Phyllosticta caryae 89786*	Phytocoris (Stictophytocoris) 95270*	morphology 47797
Phyllosticta cycadina 17913	Phytodecta 73587*	Pinus 37303
Phyllosticta phaseolina 27133a	Phytodecta olivacea 53295	Phytophthora citricola SEE Phytophthora cactorum
Phyllosticta solitaria 99436	Phytodietus elongator 43189*	Phytophthora citrophthora 47337 99440
Phyllostictina 37032	Phytoferritin 100621	Phytophthora cryptogea 47246
Phyllotaxy 9417 37758 68443	Phytol 82572 100570 18433*	Phytophthora drechsleri 88694
27472a* 99997*	38550*	Phytophthora erythroseptica 18130
Phyllotreta 32749 105181 94954*	Phytolacca acinosa 59000	Phytophthora fragariae 9020 37290
Phyllotreta nemorum 83295*	Phytolacca americana 39527 59651	37310 47337
Phyllotreta pusilla 94289	Phytolacca esculenta 68585*	Phytophthora hibernalis 47369
Phylloxera 63627 52933* 63629*	Phytolacca octandra 49410 101556	Phytophthora infestans 37319 47369
control 83427*	Phytolaccaceae 26773a*	68220 88730 57970* 88824*
France 64085*	Phytoliriomyza 14674 23700	biochemistry 28322*
host plant resistance 42685*	Phytoma obtusum 37713	chickpeas 37253
Phylloxera notabilis 42667*	Phytoma wella 37713	cucumbers 88807*
Phylloxera pyri 64085*	Phytometra gamma SEE Autographa gamma	morphology 78158*
Phylloxera spinulosa 94492*	Phytometra orichalcea 64235* 106001*	potatoes 9004 9030 9162
Phylloxera vastatrix SEE Phylloxera vitifoliae	Phytomonas leptosporum 440	18127 27156a 37229 37253
Phylloxera vitifoliae 9654 52910	Phytomyza 14674 64050 105770	39382 57863 57902 77658
23326* 73250* 95241* 105252*	95065*	77659 79739 410* 18135*
Phylloxeridae SEE Chermidae	Phytomyza atricornis 73287	27145a* 27203a* 37079* 37334*
Phymata 14742	Phytomyza heringiana 53361*	37364* 47231* 77643* 88794*
Phymateus aegrotus 95582	Phytomyza ilicicola 23397	88821* 99397* 99446* 99505*
Phymatidae 14742	Phytomyza lateralis 63583	taxonomy 47251*
Phymatodes 158 5176	Phytomyza scolopendrii 73661	tomatoes 9048* 88842* 99403*
Phymatodes testaceus 5152	Phytoncides SEE Antibiotics	Phytophthora megasperma 393 18150
Phymatotrichum 77703	Phytonomus SEE Hypera	37291 68821
Phymatotrichum omnivorum 70662	Phytopathology 17977* 18039* 99204*	Phytophthora palmivora 9101 18229
99535	99262*	47272 57989 77722 88739
Phymeloides n g 106086	associations 237	8981* 63137* 68218*
Phyalis 89130*	Belgium 37473*	Phytophthora parasitica 416 9054
Phyalis alkekengi 9417	conferences and congresses 8897	9055 9079 37197 37214
Phyalis floridana 18347 23304	18016*	37373 47337
27327a	equipment 277 17972 18038	Phytophthora parasitica nicotianae 18102
Phyalis peruviana 74125	37428 47073 68068	18941 27249a 27250a 68821
Phyalis pruinosa 927*	99368 27119a*	Phytophthora phaseoli 37246 37336
Phyalis pubescens 100151	Germany 47115	47414
Phyalis subglabrata 20301 79861	East Germany 77564	Phytophthora porri 9174*
Phyalospora laricina 37248 37332*	history 8940	Phytophthora sojae 18150
37392*	Italy 99148*	Phytophthora syringae 77803 77804
Phyalospora obtusa 47208*	Netherlands 18013*	reviews 99387
Physarella oblonga 99050	reviews 37040 37157 47157*	Phytophthora vignae 18091 39399
Physarum 99131	study and teaching 47146 245*	Phytoplankton SEE Plankton
Physarum gyrosum 968 68493	technique 258 8920 9136	Phytoptus avellanae 83448* 94359*
Physarum javanicum 77470	9199 18147 27351 47401	Phytoptus phloeocoptes SEE Aceria
Physarum nudum 58820 99925	47264 77520 77834 88602	phloeocoptes
Physarum pezizoideum 77470	99288 99377 99281 99508	Phytoptus ribis SEE Cecidophyes ribis
Physarum polycephalum 633 18485	99691 27119a* 77643*	Phytoseiidae
47992 89585 37739*	USSR 99262*	biology 73529
cytology 99855 99896	West Virginia 99197	Chile 83779*
Physarum wingatense 38170	SEE ALSO SUBHEAD diseases, and	hosts 94687
Physcia 67986	classes of diseases UNDER Plants	North America 33060
Physcia picta 67949	and names of plants	phylogeny 53206
Physciaceae 26972a		populations 83798
		Republic of South Africa 94761
		taxonomy 14481 83797

\*Text of this reference is not in English.

	Item			Item			Item	
Phytoseius		83779*	Picea-- Cont			Picea glauca-- Cont		
Phytoseius macropilis		63885	seedlings	18076	18975*	ecology		582
Phytotrons	17531	17564	seeds	81183	2827*	enzymes		1437
36637	46703	46726				fertilizers	2787	21232
58681	60851	77213	Czechoslovakia			germination		50834
98749	19*	17543*	Denmark			growth	2787	12176
67683*	67692*	17557*	Norway				40573	50834
			shelterwood			reviews		12621
Phytyl		100570	sites	81013	81192			12111
Picea			soils	50984	2794*	injuries	21345	61196
abnormalities		9455*		20505*	30370*	measurement		12005
age		58664*			68371*	mortality	12176	40573
anatomy and physiology		2794*	Czechoslovakia			pests		73333
14264*	18975*	20505*	Finland			planting		102621
27892*	30370*	30424*	Germany	21212*	21246*	pollen		58367
61134*	71232*	73308*	East Germany	11330*	12053*	propagation		102759
102609*	102630*	102754*	Poland		80130*	pruning		50766
bark		40665*	USSR		91522*	pulpwood		21714
biochemistry	38612	100603*	thinning	2803*	81036*	release		30305
breeding		21252*	81069*			seedlings	2787	21232
Canada		102502	turpentine			61175	81199	61175
clear cutting		71300	USSR		30194*	seeds	50833	50834
cones	23377	81183	varieties			soils		61175
43110	105382*	11880*	weed control		12053*	weed control		61071
costs and returns		30292*	wood	12434	30731	wood		61570
crowns		71061*	51332	12276*	12460*			81594
culture		30254*	40843*	40877*	41095*	Picea glauca densata		37503
Austria		81580*	51300*	51350*	61553*	Picea glehnii		21196*
Denmark		81013*	81448*	81580*	91764*	Picea jezoensis		21592
Germany	71134*	30366*	102930*	102932*	103026*	Picea mariana		
East Germany	40570*	81267*	yields	30289*	40570*	breeding		81139
New England States		81008*	81036*	81068*	81069*	ecology		582
Norway	30292*	61025	Picea abies			fungus diseases		189
USSR	30296*	30360*	abnormalities		21136*	measurement		50686
cutting systems		71173*	anatomy and physiology		91587*	plant parasites		61054
ecology	68383	88979	21360*	38150*	38303*	planting		71229
88970*		68371*	48529*	81182*	38451*	pulpwood		21714
fertilizers			bark	102782	2895*	seeds		21326
Germany	2789*	2810*	biochemistry		19277*	sites		81048
21246*	68204*	71191*	breeding		61158	thinning		91531
East Germany			cones		102635*	weed control		81061
Yugoslavia			culture		102535	wood		50686
fungus diseases	18076	57987	ecology		38303*	yields		102484
68113	99278	99279	fertilizers					
68204*	99474*	99458	Denmark	21218*	50786*	Picea nigra SEE Picea mariana		
genetics		40665*	Finland		61070*	Picea omorika	48529*	64125*
Germany	81109	40719*	Sweden		71205*	Picea pungens	2837	37503
growth	23387	30404*	flowering date		71177*	Picea rubens	23775	30665
40665*	50684*	81003*	fungus diseases	27191a	61138*		81139	102504
102630*		102550*	37353*	77849*	37233*	Picea schrenkiana		28192*
hardiness		61202*	genetics		102663	102476*		40722*
harvesting	2827*	102851*	germination		102722	Picea sitchensis		
history		11880*	girdling		2828	anatomy and physiology		12012
identification		19277*	growth	2796	30377	bark		41044*
injuries	21167	81192	102661--102663	103058	50659	germination		71226
21341*	71102*	81196*	21330*		965*	hardiness		21306*
measurement		21167	injuries		102782	history		30307
102502	2744*	21174*	measurement		50659	measurement		30250
50682*	50684*	71081*	40539*	40555*	71136	pests	83535	32911*
71099*	71102*	71084*	North America	30377	60978*	seedlings		81612
morphology		47756*	102662		102661	wood	3019	12441
pest control	63690	52990*	nutritional deficiencies			61345	81612	51368
63706*	105327*	105393*	pests	63701*	21235*	Pichia indica		18798
pests		73308*	planting	21257*	64125*	Pickles		58494
Canada	23400	105366	pollination		21279*	bacteria		106804*
Finland		23394*	propagation	40632*	102635*	chemistry		25353*
Germany	23412*	83546*	pulpwood	61444	50845*	containers		6833*
105588*			21633*	61464	102962	cooking		57114
habits and behavior	14289	33283*	seedlings	102663	21330*	marketing		25426
North America		95196	seeds	2828	71214*	processing	65632	96898*
Norway	23377	105327*	102661	102662	102636	situation and outlook		55132
outbreaks	63698*	94480*	102757	12100*	102722	spoilage		
Rumania		14264*	91579*	102638*	71240*	reviews		85800
Sweden		14262*	soils	61158	71136	Pickleworm SEE Diaphania nitidalis		
USSR		105382*	Sweden		77849*	Picolinic acid		29316
plant parasites		50822*	thinning	2796	50569*	Picornia virus	82174*	82364*
planting	12087*	61162*	USSR		50765*	Picralima nitida		100636*
Canada	12113	61143	wood	21641	81182*	Picric acid SEE Trinitrophenol		
Germany	61164*	61184*	102636	103058	61450	Picris		41230*
East Germany		2838*	61371*		21448*	Picris echioides		88265*
USSR		91632	Picea alba SEE Picea glauca			Picrorrhiza		689*
Poland		18458*	Picea canadensis SEE Picea glauca			Picrosalvin		100640*
propagation		1834	Picea engelmanni	9348	12326	Pictinellus		105827*
pulpwood	12388	21575	23415	71594	103034	Pictinus		64106
21603	21627	21634	Picea excelsa SEE Picea abies			Pielik		89612*
30651	61428	61449	Picea glauca			Pieridae		
61509	81504	12386*	anatomy and physiology		48092	anatomy and physiology		53514
30647*	51232*	51264*	biochemistry		1437	as pests		4908
102967*		91720*	cutting systems		40573	Austria		23877*
			cytology		27601a	diseases		73756*
						France		106029*

\*Text of this reference is not in English.



Item			Item			Item		
Pieridae-- Cont			Pigments-- Cont			Pilea		17724*
genetics		95422	algae	58910	58978*	78881*	Pilings	102926
Great Britain	5525	33408	Anacystis nidulans		28319	68880	care and handling	102924
migration		5512*	89860				conferences and congresses	102922
Nearctic Region		14906	animals	4068	13426	22523	preservation	102901
North America		95387	22544	22550	26165	34996	strength	103056
Spain		105915*	75592	75595	82478	104381	tests	102933
speciation		43238*	104572	7128*	22663*	25199*	Pilizetes	73507*
USSR		23903	45215*	52415*	92055*	104388*	Pilobolus kleinii	68975
weight and measurement		95407*	aphids		53384	105861	Pilot farming SEE Demonstration	
Pieris	95445	5525 33408	Apis mellifera			94565*	farming	
Pieris brassicae			Asclepias tuberosa			77425	Pimaricin	6920
anatomy and physiology		95559*	Ascomycetes			69321	Pimpinella heyneana	1411
biochemistry	14894*	64203*	Aspergillus umbrosus			68720	Pimplinae	53424
64204*			bacteria			48545*	Pimplini	53424
control		83376*	Beauveria bassiana		106066		Pin oak SEE Quercus palustris	
diapause		73756*	Bombyx mori	14342	23495		Pinaceae SEE Coniferae	
digestion		64203*	53121	83689*			Pinacotarsus	63908*
diseases		33428*	Bougainvillea		48522*		Pine gum	71525 71527 71533
Finland		23861*	broadbeans		28406*		81533	81542
parasites		84167*	Bryopsis		78526*		Pine needles	71262 81176 28348*
variation		95422	Calonotia graminicola		48519*		78094*	
Pieris bryoniae		5534	carrots		1402		analysis and composition	91523
Pieris formosa		1908	Centrospermae		59054		9117* 61057* 69234*	78982*
Pieris japonica		19346*	Ceraferyx graminis		33358		anatomy and physiology	48439
Pieris manni		23877*	Chlorella		78938		biochemistry	58973*
Pieris melete		106019*	Coenonympha pamphilus		73827		Pine nuts	30385*
Pieris melete group		23903	Colias eurytheme		64239		Pine oil	61516
Pieris napi	5534	95483	corn	10279	16079		Pine tussock moth SEE Dasychira	
Pieris napi group		14906	Derbesia		78526*		plagiata	
Pieris rapae			Drosophila melanogaster		33218*		Pineal body	104631
as pests		14138	Dunaliella salina		9925*		Pineapples	62668*
control		4796	fruit		1389		analysis and composition	44591
host plant relations		95442	grapes	25369	10178*	48533*	anatomy and physiology	78435
larvae		5519	89825*	96288*			100178	48021* 89714*
reviews		5516	grasses		50173		culture	19785* 59513* 59528*
Pieris rapae crucivora	64215	53483*	Gryllus bimaculatus	53528*	106078*		diseases	17980 77487*
106021*			Halisidota argentalis		73806		enzymes	78902
Pieris virginianis		95483	Hemiptera		43147*		equipment	5682*
Piesma quadratum	94313	52861*	insects	33357	42861	73479*	fertilizers	70639
73222* 94320* 94337*			Iridaceae		9580		Puerto Rico	2310 2431
Pietrosia n g		36887*	Jacaranda acutifolia		48523*		40056	60393
Piezometer	39643	39668	Lepidoptera		33357		Taiwan	60428*
Pifanomyia SEE Phlebotomus			Locusta migratoria		106078*		fiber	48021*
(Pifanomyia)			Maclura pomifera		59095		flavor and odor	44591*
Pigeonpeas			Mantis religiosa		106097		industry	6702 75177*
culture	90196	19593*	Mathiola incana		89304*		reviews	85656
drying		16120	Melandrium rubrum		19304*		marketing	75246*
fungus diseases	47193	88822	Mimulus		48555		mechanization	5682
genetics		47867	oats		48624		nematodes	18385
harvesting	69536*	75271*	Penicillium islandicum		100730		nutritional deficiencies	48418
harvesting date		79342*	Petunia		19272*		packing	107272*
nutritional deficiencies		100362	Pieris brassicae		14894*		pests	63885
pollination	18870	58811	plants	1328	1343	1366	planting equipment	53728
statistics	25541	65656	1394	9696	10225	10245	5682*	
tests		34707	10246	16309	19393	34691	soils	60393 78435 77487*
varieties		93938*	48620	55102	59036	59058	statistics	44819*
Pigeons			68770	69191	69192	85162	transportation	107272*
anatomy and physiology		104366	86513	100625	1344*	1362*	varieties	79453 1755*
93282*			10194*	19433*	27568a*	48281*	weed control	2044
and disease		82607	48545*	48604*	75203*	89536*	yields	2431 40056
as laboratory animals		104478	reviews		78378	78406	60393	48021*
as pests		18006	Populus		68855		Pineus pineoides	23775
broodiness		31756	Porphyridium cruentum		78938		Pineus pinifoliae	73305
care		82680	potatoes	85712*	85740*		Pinguicula	36788*
enzymes	43316	43317	Pulularia pullulans		89578		Pinitol	7294 59056*
habits and behavior	72688	13599*	rabbits		13615*		Pink bollworm SEE Pectinophora gossy-	59068*
93282*			Scenedesmus quadricauda		69322*		piella	
reviews		31980	sorghum		16079		Pink root	
homing	13587	42103	Sphagnum		1405*		onions	18752 37242 68184
injuries		93381*	Sphingidae		23866		Pink rot	
meat production		4285	spinach		48579		celery	28377
metabolism		22638	sugar beets		26329*		potatoes	18130
parasites		23114	sugars		7500*		Pink sugarcane mealybug SEE Triony-	
pest control		32701	sweetpotatoes		18720		mus sacchari	
poisoning	4217*	13931*	tobacco	97496	59012*		Pinkeye SEE Infectious keratitis	
racing		72688	Tolypthrix tenuis		1330		Pinks SEE Dianthus	
respiration		43316	vegetables		1389		Pinnaspis aspidistrae group	73730
restraint		62866	Verticillium albo-atrum		69217		Pinnaspis piperis	73730
sleep		82620*	Viola		36883		Pinnularia	88469
surgery		31950*	wheat	19440	48432	78610	Pinnularia braunii	88479
SEE ALSO names of anatomical parts,			85998				Pinocharis n g	14521*
body fluids, diseases, and other			yeasts	37904	69215	38543*	Pinocytosis	5399
pathological conditions, operations,			SEE ALSO names of pigments				Pinogalus n g	14521*
parasites, and pests			Pigs SEE Baby pigs; Boars; Swine				Pinomytilus	73702*
Pigments			Pigweed SEE Axyris amaranthoides				Pinophilini	14521*
Actinomyces longispororuber	48623*		Pilaria		33135		Pinophilinus	14521*

\*Text of this reference is not in English.

	Item			Item			Item	
Pinophilus	14521*		Pinus-- Cont			Pinus-- Cont		
Pinoragus n g	14521*		hybrids	2843	71245	pulpwood--cont		
Pinoritus n g	14521*		102680	102756	40633*	France		61479*
Pinosylvia	1440		improvement	cutting	102516*	Republic of South Africa		71486
Pinus			injuries	50945	61186	Sweden		91720*
abnormalities	102712*		240*	12152*	21227*	Republic of South Africa		50895
anatomy and physiology	30449		81039*	81204*		seedlings	14263	40675
68033	68933	102718	introduction	21271	2836*	61172	71220	18975*
18938*	18975*	27822*	102612*			102587*	102594*	
28275*	50915*	58746*	irrigation		91542	seeds	50844	102772
102607*	102618*	102733*	Latin America		21271	71257*	102618*	102686*
Argentina			measurement		2741*	dissemination		30347*
bark	40543*		21174*	30246*	30260*	Italy		12084*
biochemistry	89958		53041*	61004*	71081*	Latvia		102645*
breeding	61172	71245	102490*			Mexico		12122
102698	102756	40633*	Mexico	98922	67865*	Norway		30347*
research methods			morphology	2843	47752*	size		102696*
statistical		102680	mortality	81171	71225*	storage		40645
clear cutting	30368*	40648*	nematodes		27376a	treatment		12085
cones	2852	102655	pest control		14290	81165	99399*	
43061*	102686*	102696*	Arkansas		42793	USSR		50869*
costs and returns		50618*	biological		14277	shelterwood		50757
crowns		102490*	14253*	14254*	53011*	sites	12032*	50698
culture			chemical	42753	83532	soils	20504	49707
Germany	2774*	30302*	73321*			58934	60138	60184
Hungary			China		105404*	91511	91523	28187*
Poland	12013*	21190*	Norway		105327*	Canada		2146
Puerto Rico		50703*	USSR		105363*	Czechoslovakia		21203*
Republic of South Africa		80999	Germany		63708*	Germany	2774*	40567*
USSR	30283*	71173*	Hungary		94472*	East Germany	12053*	61239*
71203*	102509*	102517*	Japan		4913*	Latvia		81006*
102537*			Maine		73305	Michigan		30345
cytology		8558	Pacific Northwest		32893	Norway		49706
diseases	30345	68033	Spain		105403*	Poland		50764*
ecology			USSR	32906*	73327*	USSR	40675	71186*
Argentina		47693*	Virginia		32919	71203*	102816*	
Brazil		58196*	Yugoslavia		14268*	South Dakota		61060
Europe		27436a*	pest resistance		50945	spraying and dusting		83532
Maine		88979	pests	4914	5072	Sweden		21187*
Poland		89062*	23409	83540	9117*	taxonomy		67852
Switzerland		58156	Alabama		32901	thinning	50819	61060
USSR	8892*	99780*	Australia	42766	42777	Tropics		67852
fertilizers	2852	68204*	73314			turpentine	21661	81533
Florida		61087	California		73334	121663*	50926*	71531*
Germany		2810*	Canada		64220	102999*		
Illinois		91542	Czechoslovakia		4924*	Bulgaria		12408*
Yugoslavia		61057*	Finland		23394*	Latvia		51292*
Finland	50988	21363*	Florida		73301	USSR		30260*
Florida		61135	Germany	8903*	84090*	underplanting		91511
fungus diseases		325	East Germany		94477*	Uganda		40643
37368	58033	68112	Israel		53023	USSR	50905*	61041*
68204	99274	99279	Japan	84147	43265*	102518*	102523*	102539*
99357	99426	99443	105881*			Virginia		30288
99524	99541	99542	Louisiana		105379	weed control		50789
99399*			Netherlands		73309*	California		81037
Australia	37303	99448	73332*			Germany		12048*
control		37245*	North Carolina		73828	East Germany		12053*
biological		9098*	Norway		105327*	Michigan		30345
Canada		37227	outbreaks		105367	USSR		30340*
Germany			Poland	84151	23403*	wood	21550	30586
East Germany		57944*	Southern States		14263	30622	30623	40953
Minnesota		47395	Sweden		94454*	42748	51215	61384
USSR		37175*	Texas		42770	61516	61589	71585
Eastern States		326	USSR	43061*	53040*	81373	81458	81597
France	37265*	99424*	83567*	105352*	105380*	91523	102923	2897*
Germany	57997*	99291*	105408*			12403*	21473*	23407*
Italy	47325*	99435*	Wisconsin		94457	40852*	40877*	41041*
Missouri		215	plant parasites		29366*	51176*	61372*	61420*
Norway		99474*	planting	12085	61111	71554*	71593*	81448*
Poland		57917*	California		61101	103020*		
Portugal		88682*	Canada		12113	yields	50819	12032*
South Carolina		37173	Germany			81006*	102516*	
USSR		105363*	East Germany	50862*	50886*	Pinus albicaulis		98885
genetics	2843	18750	Hungary		61132*	Pinus anhweiensis		103069*
Germany	50602	81155	Kenya		80983	Pinus aristata		18480
61130*			Latvia		81088*	Pinus attenuata	8731	71236
germination	40645	50844	Mississippi	40674	50919	Pinus banksiana		
81165	102772		Netherlands		71225*	anatomy and physiology		10029
Great Britain		46890	Poland		21190*	81159		
growth	50698	50895	Tennessee		12129	bark		102877
58934	71220	81129	USSR	30368*	30409*	Canada		102627
81176	17555*	21187*	50902*	102726*		cones	30362	50893
30253*	30409*	40603*	Poland		11904*	crowns		12008
50764*	50863*	53040*	pollen	8584	78913	culture		71169
61192*	71254*	71257*	propagation	102691	81114*	ecology		9327
99780*	102477*	102490*	pruning		40603*	extractives	541	12405
harvesting			pulpwood	21623	30651			
Honduras		71215	40988*	61431*	71406*			

\*Text of this reference is not in English.



Item			Item			Item		
<i>Pinus banksiana</i> --Cont			<i>Pinus echinata</i> --Cont			<i>Pinus mugo</i> rostrata 9340* 89049*		
fungus diseases	18055	77636	seeds	30348	40654	<i>Pinus muricata</i>		71524
102877			sites		12030	<i>Pinus nigra</i>		
germination		61175	South Carolina	2752	21153	anatomy and physiology		81187
growth	12176	30279	Virginia		30288	breeding		102637*
injuries		81159	wood		51359	fertilizers		102589*
Lake States	21205	81159	yields		61050	fungus diseases	57951*	88775*
measurement	12008	50676	<i>Pinus edulis</i>		53409	99498*		
Minnesota		12121	<i>Pinus elliotii</i>		12172	measurement		11978*
mortality		12176	anatomy and physiology		19122	morphology	37766* 68457*	78094*
pest control	42746	94484	47942 50904			102701*		
pests	42769	84072	breeding	102651	102667	pests		105373*
planting		71229	cones		102651	planting	12120	39426*
pulpwood		21714	culture		102568	pollen		21262*
seedlings	50875	61175	fertilizers		81044	taxonomy		102701*
seeds		12121	fungus diseases	9029	18097	wood		12292*
sites		30279	27144a			Yugoslavia		46927*
soils		21260	genetics	40635	102651	<i>Pinus nigra austriaca</i> SEE <i>Pinus nigra</i>		
thinning		102570	germination		102739	<i>Pinus nigra calabrica</i>		50836
varieties		105398	growth	11995	12036	<i>Pinus nigra caramanica</i>	40587*	63700*
weed control		50875	71204 102996			<i>Pinus nigra cebennensis</i>		8681*
wood	41152	41153	measurement		60984*	<i>Pinus nigra poiretiana</i>	57999	58139
<i>Pinus brutius</i> SEE <i>Pinus halepensis</i> brutia			pest control		105367	60903* 64200*	71595*	
<i>Pinus canariensis</i>		50774	pests	23408	42754	<i>Pinus pallasiana</i> SEE <i>Pinus nigra</i>		
<i>Pinus caribaea</i> SEE <i>Pinus elliotii</i>			planting	2823	12078	caramanica		
<i>Pinus cembra</i>			102601			<i>Pinus palustris</i>		
anatomy and physiology		38451*	propagation	91613	103073	cones		83544
breeding		81134*	pruning		50813	disease resistance		99322
Czechoslovakia		67841*	pulpwood	61510	91780	fungus diseases	99499	99523
ecology		89049*	seedlings	21293	102739	genetics	99322	102738
introduction		102664	81161*			growth	12036	50825
soils		70355*	seeds	12406	21250	injuries		61190
USSR		57571	71522 102739		42754	measurement		50652
<i>Pinus cembra</i> oil		71518	sites	12036	12078	pests	23854	42754
<i>Pinus cembra sibirica</i>	71247*	102527*	102601		71204	planting	2823	12103
102671*			soilless culture		61079	pruning		50813
<i>Pinus cembroides</i>		18578	thinning	12050	50798	pulpwood	12355	91728
<i>Pinus contorta</i>			turpentine	12406	21659	seedlings		61190
bark		102990	51287 51288	51289	61517	seeds	42754	61106
breeding		91593	61521 71522	102996		102738		
crowns		50826*	weed control		61092	sites		12036
culture		12028*	wood	61584 103073	61579	turpentine	21659 30679	51289
ecology	9327	78044	yields		11895	61521 81532		
fertilizers	61077	61082	<i>Pinus elliotii</i> densa		21181	wood		21721
fungus diseases	408	18139	<i>Pinus elliotii</i> elliotii		81135*	<i>Pinus parviflora</i>		19435
67978 99375			99166		27796	<i>Pinus patula</i>	102659 49801*	50651*
germination	61125	61175	<i>Pinus excelsa</i> SEE <i>Pinus griffithii</i>			80915*		
measurement		11990*	<i>Pinus flexilis</i>	46722	98885	<i>Pinus peuce</i>	21202* 102997*	102998*
Oregon		30367	<i>Pinus gerardiana</i>		99396	<i>Pinus pinaster</i>		
pests		67978	<i>Pinus griffithii</i>		27539a	anatomy and physiology		38032*
plant parasites		21219	<i>Pinus halepensis</i>		30293	68740* 89401*		
planting		50826*	France		30297*	biochemistry		10175
propagation		50880	growth		50829	Corsica		71595*
pulpwood		12028*	Israel	46824	41052*	fertilizers		40604*
seeds	30367	61175	Italy		50740*	France	61117*	91428*
soils		61175	measurement		50661	genetics		61117*
wood	21461	61523	Mediterranean area		30297*	measurement		102497*
yields		60974	morphology		37815*	Mediterranean area		78003*
<i>Pinus contorta latifolia</i> SEE <i>Pinus contorta</i>			Turkey		77355*	pest resistance		78003*
<i>Pinus densiflora</i>			turpentine		41052*	Spain		102497*
bark		71520*	<i>Pinus halepensis</i> brutia	21657	68524*	wood	61556*	71595*
ecology		58170	<i>Pinus hamata</i>		103054*	<i>Pinus pinceana</i>		37659*
fertilizers		102593*	<i>Pinus heldreichii</i>		10763	<i>Pinus pinea</i>	18508*	78409*
fungus diseases		27149a*	<i>Pinus hwangshanensis</i>		102431*	100210*		
genetics		81120*	<i>Pinus insignis</i> SEE <i>Pinus radiata</i>			<i>Pinus pinea</i> oil		65975*
germination		18413*	<i>Pinus insularis</i>		53016	<i>Pinus ponderosa</i>		
Illinois		46867	<i>Pinus jeffreyi</i>		40614	culture		2819
seeds	30376	81120*	<i>Pinus khasya</i>	12407	61170	cutting systems		71143
soils		29543*	<i>Pinus koraiensis</i>	99938*	103037*	ecology	9312 18415	47671
wood		41048*	<i>Pinus lambertiana</i>	2949	47389	47681 68369		
<i>Pinus echinata</i>			50726 91709			fungus diseases	9170	47322
anatomy and physiology		1244	<i>Pinus leucodermis</i> SEE <i>Pinus heldreichii</i>			99303		
diseases		8976	<i>Pinus luchuensis</i>	30268	2836*	germination		21288
ecology		9365	<i>Pinus maritima</i> SEE <i>Pinus pinaster</i>			growth	40614 50751	81050
fungus diseases		68161	<i>Pinus massoniana</i>		95473*	hybrids		81154
germination		12128	<i>Pinus monspeliensis</i> SEE <i>Pinus nigra</i>			injuries		12153
growth	12081 71281	81094	cebennensis			introduction		77209*
91500			<i>Pinus montana</i> uncinata SEE <i>Pinus mugo</i>			measurement	11994 21161	
injuries		61197	rostrata			21172 80966	80978	80980
Kentucky		30348	<i>Pinus montezumae</i>	37228*	49801*	mortality		30429
measurement	2752	21153	<i>Pinus monticola</i>	9660 30311		pest control	21343	30433
Missouri		91500	61159 102619 102653	102654		pests	63919	73330
morphology		81174	18534*			plant parasites		79807
pests	62723 83563	95485	<i>Pinus mugus</i> SEE <i>Pinus mugo</i> mugus			planting	30429	81178
planting		12081	<i>Pinus mugo</i>	10166 63696*	68570*	pruning		81050
seedlings		81174	<i>Pinus mugo</i> mugus	597*	23402*	seed-tree cutting		91516
			68361*					

\*Text of this reference is not in English.

	Item				Item				Item		
Pinus ponderosa--Cont				Pinus resinosa--Cont				Pinus sylvestris--Cont			
seedlings	2840	21288	30433	soils	21211	21231	40593	seedlings	21330*	30379*	50889*
50878	81084	81111	102624	Minnesota	30274	80996		61124*			
seeds	21288	50878	81093	New England States		21200		seeds	2839	61119	102647
81112				thinning	12043	30274		102657	102713	102767	21298*
sites			81112	weed control		61133		30352*	81131*		
thinning	21161	40614	71175	wood	30719	51282	63710	Iowa			91581
turpentine			41058	71262				Sweden	102682	30363*	71240*
wood	2949	51127	61356	Pinus rigida	9538	21289	47769	sites			71129*
61524	91709			61100	68706	102667		size			71138*
yields		11994	50751	Pinus roxburghii				soils			11340
Pinus radiata				anatomy and physiology		27993		30278*	71294*	90911*	
anatomy and physiology			61182			89141		spraying and dusting			27208
68834	99853	9865*		breeding		91569		Sweden			13652
bibliographies			40564	ecology		68341		taxonomy			102713
breeding	50898	102667		fertilizers		30324		thinning			71194*
cones		40638		wood		61374		Turkey			71276*
costs and returns		11954		Pinus sabiniana	58251	98895		turpentine		61520	102994*
culture		50966		Pinus serotina	83545	103055		USSR		71294*	77405*
crowns		50664		Pinus sibirica	12010*	30385*		varieties		102767	30427*
fertilizers		50773		Pinus silvestris SEE Pinus sylvestris				wildlife relations			51003*
fungus diseases	57916	9036*		Pinus strobus	50759	102578		wood	12254	40840	61390
99484*				anatomy and physiology		1081		12448*	21448*	21453*	21700*
genetics		71236	102610	1203	9690	50917		61365*	61581*	81584*	
germination			50884*	culture	61018	2782*	50712*	yields	60986	21208*	40535
growth	40670	61065	61182	defoliation			57776	50645*	71194*		
91545	91566	30369*		disease resistance		77721		Pinus tabulaeformis			102665*
hybrids			71236	diseases	238	57776		Pinus taeda			
injuries			9036	ecology		9343		anatomy and physiology			1081
introduction	71137	30369*	91583*	fungus diseases	47217	37181*		50904	71224		
Kenya			80968	genetics		105397		breeding	102628	102651	102667
measurement	50664	80968		germination		50873		cones	50861	81181	102622
New Zealand	30582	61182		growth		12176		102651			
61433				injuries	61189	81208		ecology			99785
nomenclature			98982	mortality		12176		fertilizers	21233	71180	71201
nutritional deficiencies			61065	North America		17791*		Florida			61103
pests	53284	73815	105900	pest resistance		105397		genetics	2849	3018	81586
9036*				pests		105401		91606	102628	102651	
planting	12120	40670	91566	planting	50793	50824		girdling			50861
pruning		11954	51343	seedlings	1081	9690		growth	12036	12081	21233
pulpwood	41018	41020	41022	seeds	12132	30430		42792	50670	63719	71154
61433				83549	91571			71206	71281	81094	102743
seeds	40638	81127	50884*	thinning			30318	injuries			30444
99484*				virus diseases			37431	introduction			61103
soils			20475	Pinus sylvestris	61532		61543	Maryland			81132
Spain			91583*	abnormalities			102649*	measurement		2752	21153
thinning		11954	91545	anatomy and physiology			38150	50670	50673	80981	
wood	30582	40856	40909	48160	61099	61124	89160	morphology		607	81174
51100	51343	102911	103068	102652	10022*	19105*	28008*	nutritional deficiencies			68721
30746*	51370*			28112*	68142*	91596*		pest control	42792	63719	105367
Pinus resinosa				bark			21409*	pests		63723	83545
age			21198	biochemistry		28348*	58973*	planting	12081	70839	102745
anatomy and physiology			40650	78982*				planting date			71224
48199	61078	61141	78582	breeding	102713	103021		pruning		50813	102622
100213				cones		71218*		pulpwood			81484
biochemistry	1440	81136		costs and returns	21224*	71194*		seedlings	1081	50673	71201
breeding		61183		crowns				71224	81174	91606	
cones		21335	61141	reviews		102742		seeds	40654	50861	81181
culture		12049	21211	culture	50770	12037*	21208*	91612	102743		
fertilizers	50782	61077	81064	30275*	71218*	102514*		sites		12036	71206
fungus diseases			37363	disease resistance		68142*		soils			71154
germination			61133	ecology	58202	68384	78063	South Carolina		2752	21153
growth	21211	21270	50662	Finland		11943	81130*	thinning			50796
50874	61142	71262	81064	fungus diseases		37363	99278	Virginia			30288
100213				99475	27208a*	47362*	68142*	wood	3018	51346	61579
injuries	21335	50939	61078	77791*				yields	71571	81586	91606
irrigation			21231	genetics		102762		Pinus thunbergii			61050
measurement		21198	50662	germination		81131*		18413*	30401*	28119	30376
61007	80996			growth	68916	102742	21330*	102486*	102814*	81120*	102485*
Michigan			21348	30278*	30352*	30379*	81131*	Pinus torreyana			49162
morphology			47832	102514*	102550*			Pinus uncinata SEE Pinus mugo rostrata			
mortality			12049	injuries	50939	30439*	40698*	Pinus virginiana			
pest control		53045	105396	insects			95233*	breeding			102719
pests	42747	43232	63710	irrigation			50770	growth			30285
planting	21270	50793	71229	measurement		21159	40561*	measurement		2752	21152
propagation			40650	50645*	60986*			21153			
pruning	21364	50766	53045	Norway		61581*	81584*	pests		14785	83563
61078	105396			pest control	53045	94487	105396	planting			61173
seedlings	50874	61133	81075	32904*	42774*	63700*		release			30285
81164				pests	63725	73774	94464	South Carolina		2752	21152
seeds	30431	50839	61142	95457	83558*			21153			
61183				planting		21279*		Virginia			30288
sites		21198	61007	Poland		102750		wood			61598
Canada			12049	pollen			21262*	Pinus wallichiana			103003
Michigan		21183	81215	propagation	12105	30352*	40632*	Pinus yunnanensis			103061*
New England States			21200	50845*	91596*	91610*	102674*	Pinworms			52103*
Wisconsin			81075	pruning	53045	105396	21224*	Piona nodata group			33036*
				pulpwood		61464	61495*				

\*Text of this reference is not in English.





	Item		Item		Item
Plant galls-- Cont		Planting bands and pots-- Cont		Plants-- Cont	
Middle Western States	33298	Czechoslovakia	12131*	breeding--cont	
Netherlands	18133*	Hungary	101206	Germany	78272* 78290* 89256*
New York	53134	Japan	38955*	79551*	
Rumania	43208*	Poland	28984*	East Germany	9615* 47912*
Tanganyika	5429	Planting equipment SEE kinds of equip-		Great Britain	9554 89277
Virginia	42775	ment; and SUBHEAD planting equipment		history	9587* 58449*
Plant growth regulators SEE Growth		UNDER names of plants		India	58457*
substances		Planting media SEE Potting mixtures		Italy	78241*
Plant lice SEE Aphids		Plants		Japan	89292*
Plant protection	27009a 37132	abnormalities	58314 18642*	legal aspects	19749 27669
77504 77519 17944* 17956*		27629a* 47739* 58237*		legislation	88211*
40135* 47095* 68040* 99157*		reviews	99891	Netherlands	794 862
Albania	88676*	acclimatization	18855 58391	New Zealand	37833 100046
associations	8922**	78567 88183 552*		Poland	18730* 18736*
Austria	68066* 77496*	20724* 28569* 99781*		27708* 78317* 89318*	
Belgium	99228*	Brazil	40039*	research methods	
Brazil	27040a*	Czechoslovakia	1858*	statistical	779 788
California	88579*	Estonia	69886*	27673 27679 27702 27736	
Canada	37139 99209 88645**	France	60045*	27749 27751 27757 78277	
China	57766 77521 88677*	Italy	29102*	78333 100069	
conferences and congresses	27005a*	Lithuania	39069*	bibliographies	37845
27022a* 57749*		Pakistan	99779	reviews	89246* 89276*
costs	17260 8970* 47101*	Rumania	58584* 89379*	Scotland	37895
99201* 99206* 99207* 106374*		Sweden	1224*	Sweden	78235 78237 78240
equipment		Tropics	90017*	78298 78319 18740* 18768*	
Germany	37061* 37066* 43661*	USSR	8588* 19820* 48195*	45282*	
43669* 53817* 53822* 74137*		57414* 57493* 78399*		USSR	858 18733 18714
84568* 106371* 106372*		90073*		89310 38214*	
East Germany	43664* 95924*	allergenic	2045 36656 46693	collecting and preserving	8620
Hungary	53811*	30* 48614*		8920 36665 46774 57498	
Japan	32641*	analysis and composition	501	77181 77203 77237 78026	
maintenance and repair	95925*	2624 6004 6010 6017		88152 98761 98780	
Norway	84580* 84581* 95928*	6051 24383 24384 33979		Africa	26759a 26768a 26772a
USSR	84586*	33981 36418 42438 43950		Angola	26780a
Europe	99173*	54116 74345 84802 84804		Argentina	77196
Finland	68034* 77588*	84812 96114 106560 106581		Australia	36649
France	47080* 88594*	11292* 24376* 54098* 54105*		Bulgaria	8719*
Germany	18028* 27005a* 36392*	54106* 54108* 54113* 54114*		Canada	67703
37061* 47064* 47162* 73087*		70275* 74358* 84775* 84782*		Germany	88228*
74451* 77494* 77532* 77601*		84788* 84794* 84807* 84813*		Guiana	88137
88672* 99171* 99198* 105005*		96104* 101711*		India	36615
106230*		anatomy	594--- 757 9369	Iraq	36666
East Germany	47115 8956*	9370--- 9542 18483---18686		Italy	36605* 36619*
49018* 68002* 68030*		27456a--27657a 37619---37821		Japan	31*
77604* 88578*		37998 47701---47834 58204		Malawi	26805a
Great Britain	88564	58205---58367 67677* 68420		Mexico	43
Hungary	8907* 8971* 27053a*	68421---68608 78007---78233		Mozambique	26781a
37141* 47084* 47129* 68084*		89063---89242 99813---100021		New Caledonia	57235
77580* 88665*		reviews	47823*	New Zealand	57235
India	17961 77546 88596*	bacterial diseases	435 436	Northern Rhodesia	26804a
legislation	26987a*	9178 8181 27272a 47433		26805a	
Netherlands	57763* 99228*	58047 9175* 9176* 18257*		Sahara	26760
Norway	8945*	27274a* 37414*		Southern Rhodesia	26805a
Pakistan	77502	Australia	1706	Turkey	17503
Poland	26987* 47152* 68021*	control	47456*	USSR	67694
96178* 99194*		Hungary	77732*	West Virginia	26822a
policies and programs	47180	Italy	47452*	colloids	28264 18787*
reviews	26990* 47091* 88556*	reviews	37409 47455*	contamination	1105 9921
study and teaching	47070* 91943*	biochemistry	621* 747* 790*	48109 58844 69125 83203	
Sweden	292*	930 1221 1788---1449		84914 88140 89569 1139*	
Switzerland	99251*	10153---10282 14724* 18039*		84794* 89603* 108984*	
Taiwan	42441*	18633 18851* 19260---19441		cytology	59 594--- 757
terminology	64531*	27918 28282---28406 37748*		5856 8577 8622 9369	
USSR	8951 76904* 77489*	38503---38651 47159 48508		9370--- 9542 9562 17579*	
77525* 77590* 83194* 99205*		48509---48650 58676 58749*		17606 18483---18686 27456a	
Western Hemisphere	18018	58953---59100 69158---69334		27457a--27657a 27663* 37619	
SEE ALSO UNDER Cold; Hail; Heat		77554 77620 77657 78891		37620---37821 47701---47834	
Plantago		78892---79083 89156 89776		58204---58367 63814 68420	
anatomy and physiology	38308	89777---89963 98821 98830		68421---68608 73470 77194	
biochemistry	17678* 38517*	100560---100733		78077---78233 78266* 83728	
Iraq	17632	conferences and congresses	77597	88225 89063---89242 89841*	
nematodes	497	89847 78974*		99813---100021 100337	
pollen	37638*	reviews	10183 10265 58962	bibliographies	27635* 68611*
Spain	17733*	breeding	761 17605 20024	68612*	
taxonomy	17678*	27666 27758 27765 47919		conferences and congresses	37621
Plantago coronopus	37682* 37849*	58451 68623 77541 78254		78154	
Plantago lanceolata	99795	78275 78803 78946 79588		reviews	9464 9490 38345
Plantago major	99795	89315 100760 18727* 18770*		78345 99979 47735* 47903*	
Plantago media	99795	18780* 27663* 27703* 27748*		78147*	
Plantain SEE Plantago		48050* 58388* 58840* 78282*		disease resistance	8929 47159
Plantains	18669 47574 37444*	78593*		77541 77554 77620 77626	
Plantations SEE Farms and farming,		Canada	18778 27767	77657 80127 88572 89410	
large-scale		China	58424 89298*	18171* 27004a* 27274a* 27342a*	
Planteose	107905	conferences and congresses	27770	88824* 99155*	
Planting bands and pots	73285 80424	27764**		reviews	37053 37149
20691* 35880* 38731* 49027*		Finland	1456*		
69908* 90485* 91054*					

\*Text of this reference is not in English.  
 \*\*Text of this reference partially in English.



Plants-- Cont				Plants-- Cont				Plants-- Cont			
diseases				diseases--cont				ecology--cont			
18023	18038	47183	48402	New Hebrides		17988		46657*	47685*	68389*	68407*
57772	57825	77584	89127	Nigeria		99177		68409*	89033*	99781*	99790*
99236	305*	17978*	68028*	Pacific area	18007	47113		Africa	9305	26817a	37560
88558*	99230*			Poland	57823*	99227*		37613	68364	89026*	
Africa	8930	47066	57825	research methods				Alaska			58178
Angola		8972*	68085*	statistical	8948	8969		Albania			18461*
Australia	8939	8942	47143	reviews	8896	18045	38399	Alps	9316*	18479*	47655*
88634				47116				Antarctic Region			579
bibliographies	8896	47087*		seed-borne	9069	9198	18103	Arctic Region		9355	18416
Burma		68026		18254	27253	27341a	37295	89721*			
Canada		88575		37351	37395	47171	47297	Argentina			18447*
conferences and congresses	17929			47397	47398	47546	68245	Arizona	18443	27386	89060
77597	17970*			77709	88741	88784	88828	Asia			36718*
control	287	296	317	88829	310*	312*	424*	Australia	537	584	9360
323	8938	38390	47183	1230*	18250*	37454*	37472*	9366	18421	18429	20541
57773	77517	77562	77564	57807*	58004*	68020*	77491*	37559	37589	37598	47695
77579	88601	88644	88667	77783*	88787*	99570*	100175*	68352	78022	88994	
99164	99203	8954*	17925*	China		88777		Belgium			47658*
32704*	67998*	77491*	77556*	Germany		77523*		bibliographies		37593	88973
77592*				Scotland		27150		98456			
Angola		47182*	57853*	Sweden		77637*		Brazil	27441a*	78030*	78070*
Austria			18000*	Taiwan		88674		Bulgaria			99757*
biological		8941	44046	soil-borne		347	449	California		37584	68393
47180	90950		37078*	8941	8985	9011	9038	Canada	18462	99739	99800
68040*	99178*			9107	9123	9186	9253	Canary Islands			108337*
				18112	18234	27344	37267	Carpathian Mountains			18437*
costs			77549*	37294	37321	38611	39798	Chile			37558*
Finland			68034	40355	40357	47288	47298	China	89040	47612*	58137*
France	77499		77555*	47360	57762	57998	58107	88965*			
Georgia			60737	60737	67997	68022	68072	Colorado		572	78072
Germany	27000*		47068*	68193	68223	77826	77850	conferences and congresses			
99239*				80127	99146	99323	99340			557	9315
Hungary			27053a*	99374	99469	99652	9081*	Congo	18470*	37557*	47631*
Italy	43658*	78241*	105033*	9272*	18184*	27174*	27319*	Czechoslovakia		18472*	27427*
105051*	106368*	106370*		37261*	57866*	59992*	68166*	99765*			
106373*	106378*			68233*				desert areas		571	9353
Japan	17990*	18050*	27032a*	Australia		99296		18431	18443	47613	68362
Mississippi			77576	California		9003		78053	99770	18468*	99768*
Netherlands			47104*	Florida		57911		Europe	9316*	48268*	68337*
Poland			77553	France		57965*		89056*	98820*	99754*	
policies and programs			88595	Great Britain		47271		Finland			68391*
88619				India		99497		France	88973	18442*	47616*
Portugal			262*	Japan	37378*	77819*	77820*	47647*	47660*	47690*	78045*
reviews	17948		17949	Kentucky		334		88214*	88966*	99768*	
Switzerland			57803*	Malaysia		18183		Georgia			68347
USSR	17956*	68090*	77507*	North Carolina		334		Germany	18466*	37570*	47068*
77578*				reviews		37287	37306	57485*	58165*	58172*	68340*
				Sweden		99394*		68405*	78008*	78056*	88962*
Denmark			68012*	Tennessee		334		88963*	88989*	89016*	89023*
dictionaries			37155	Virginia		334		East Germany			42922
Finland			99246*	Southeast Asia	18007	47113		Ghana			18464
forecasting	37229	18017*	47247*	Spain		295*		Great Britain	27422	37539	37539
18101*	37051*	47095*		dissemination	77173	77208		37566	37567	37614	68402
77503*				28364*	88186*			89041	99769	89017*	
Bulgaria	37124*	88786*		dormancy	919	1149	1203	Great Lakes Region	27067		37568
Canada	9137	9138	88821	1690	6953	9738	9970	Greece			78034*
Czechoslovakia			37136*	10003	10069	18783	19182	Himalayas			58152
Europe			47315	19214	27810	27879	28119	Honduras			58160
Germany			77551*	37987	38117	38344	38476	Hungary	50881	9303*	78059*
East Germany			37104*	40667	47976	48218	58615	88970*			
Great Britain			18127	58641	68717	69117	69134	Idaho			9328
Hungary			37141*	78438	89451	89597	100346	Illinois	77987	77998	78029
Japan			37081	102744	1166*	1171*	9865*	88960	88964	99806	
Nebraska			414	9982*	19206*	19213*	27816*	India		9321	18417
Netherlands			9083	38114*	38448*	47736*	48242*	Indiana			99736
New Jersey			37336	58917*	68688*	69005*	69024*	Iowa			99744
New Zealand			68014	69119*	78427*	78467*	78732*	Iraq			27402a
Poland			37121*	89344*	89456*	99161*	100270*	Israel	571	18678	37582
research methods				100297*	100398*			58171			
statistical			37369*	reviews		78841		Italy	78015*	78016*	78051*
Rumania	18199*		37138*	drought resistance	1173	1262		79089*	99775*		
Sweden			99446*	19007	58490	100439*		Japan	570	580	592
USSR	37112*	37122*	37171*	reviews		100072		593	18434	18440	27448a
37335*	47345*	47378*		ecology	2037	5298	10095	68413	89031	565*	18481*
Great Britain	17921	57764		18426	18444	18474	18500	27404a*	27447a*	27455*	37581*
Greece			17950*	18863	19003	19054	19131	37586*	68399*	78024*	99810*
Hungary			27053*	27397a	27416a	27422a	27831	Kansas		78023	79971
India	18002		47073	28282	47635	47638	58147	Kentucky			73490
Iowa			47122	58149	58191	68410	68411	Kenya		68343	89004
Italy	47169*		99240*	68414	68416	73490	78013	Laysan Island			57514
Japan	248*		99240*	78026	78067	94653	98428	Lithuania			37550*
Kentucky			37076	98801	99741	99745	99766	Maine			18456
Libya			47118	99788	99791	2201*	2208*	Malagasy Republic	9307*		58174*
Malaysia			57851	9300*	17978*	18433*	18441*	Mediterranean area			37582
Mexico			88558*	27411a*	27430a*	27446a*	27823*	Mexico		560	99792
Minnesota			57793					Michigan	37561	47696	68373
Netherlands			88630*								
88671*											

\*Text of this reference is not in English.

	Item			Item			Item	
Plants-- Cont			Plants-- Cont			Plants-- Cont		
ecology--cont			ecology--cont			flowering date	19110	37965*
Montana	9349	18455	Western States	47613		fragrance	10764	10816
mountain areas	9302	18417	Wisconsin	99804	99805	14326	19963	19964
18440	37584	47627	Wyoming		18471	29413	49148	49171
89039	99739	18479*	embryos	615	699	58984	59063	59694
27404a*	27447a*	27455*	716	735	928	60042	70207	79898
47655*	78016*	78022*	2819	9388	9403	14312*	14321*	39610*
89021*	99757*	99761*	9467	9489	9532	59076*		
Mozambique		27429	18517	18575	18600	fungus diseases		9038
Near East		47650*	18616	18627	19080	68123	68191	68216
Netherlands	27417	77997*	27456a	27480a	27509a	77657	77678	77679
89048*	89052*		27529a	27530a	27556a	77751	77760	88701
Nevada	9353	9358	27577a	27578a	27594a	100032	806*	9094*
New Guinea	27440a	78055	27606a	27614a	27625a	18109*	18110*	18128*
New Hampshire		9302	27633a	27643	27650	47408*	68131*	88710*
New Jersey	9368	27392	28148	28273	28274	Australia		8883
New Mexico		27451	37801	37803	37857	Canada		88547
New Zealand	27388a	27426a	38397	47715	47734	Chile	26928*	26928a*
47627	47633	47634	48066	48156	58275	99445*		
47663	47668	47682	58357	58947	68467	control	27075a	77670
58146	58150	99777	68511	68522	68530	88798	47418*	57921*
Nigeria	37554	37574	75438	78183	78205	68141*	77544*	77784*
North America		68419	78634	89065	89159	Australia		1706
North Carolina		528	89211	89373	89572	18141		9100
Northern Rhodesia		9309	100635	601*	632*	biological		27350a*
Norway		27409a*	9432*	9472*	9600*	Canada		77749
Oklahoma	578	68346	18550	18551*	18926*	Germany		18073*
Oregon	9330	37578	27471a*	27485a*	27507a*	Illinois		47298
Pakistan		58185	27582a*	27869*	28405*	Italy		88790*
Peru		545	30361*	37670*	37683*	Japan		99517*
Poland	18449	18450	37794*	47719*	47996*	Mexico		88735*
27434a*	37556*	37602*	58245*	58265*	58345*	Pennsylvania		9110
89436*	99787*		68305*	68479*	68496*	Spain		47279*
Portuguese Guinea		46787*	69011*	69292*	78087*	Sweden		27077a*
Republic of South Africa		578	78113*	78120*	78133*	USSR		88723*
9364	27442a	99749	78149*	78163*	78164*	Denmark		47329*
research methods			78194*	89063*	89132*	Georgia		200
linear programming	47643*		89172*	89231*	89279*	Germany		57906*
statistical	544	549	89635*	99852*	99912*	Great Britain	68107	88692
9323	9330	9333	99956*	99987*	100296*	Hungary		77732*
9363	47674	58177	100718*			India	9125	17919
68365	78011	78018	transplanting	100339	9589*	18083	57743	99466
99758	58148*	58195*	47857*	68607*	68631*	Israel		8831
68392	78345	563*	enzymes	979	1359	Japan		99509*
47680*			10160	10233	10242	Netherlands		88686*
Rhine basin		47673*	19314	19358	19361	reviews	37306	37350
Rocky Mountains		78072	28310	28398	38566	9272*	47253*	37743
Rumania	37544	37545*	48649	58034	58976	Rumania	99074	99079*
37594*	37599*	37596*	69168	69183	69207	Spain		99295*
47630*	47656*	47669*	69327	69329	78898	Tatra Mountains		37020*
Sardinia	47620*	99746*	48234*	48521*	69255*	Thailand		99386
Scandinavia		18445*	100633*			transmission		68333
Scotland	37605	39744	conferences and congresses	48603		Turkey		8835*
Sicily	547	78015*	reviews	78620	48627*	USSR	9050*	88758*
Sierra Nevada		58164	evolution	112	735	West Virginia		77842
Southern Rhodesia		88971	9460	9466	17583	Wisconsin		88514
Southwestern States		89019	18855	27571a	37654	genetics	758----	877
Spain	18465*	89021*	37998	47691	47810	9543---	9636	17591
study and teaching		18469	58382	58456	58463	18688---	18782	18792*
Sudan		18428	77135	78318	88246	27659---	27779	37822---
Sweden	566	68360	98706	98767	99936	47835---	47925	58368---
534*	68363*	99786*	53*	119*	146*	58594	68609---	68658
Switzerland	27403a*	47649*	18510*	27476a*	27534a*	78026	78210*	78234---
Taiwan		68381*	46922*	47757*	57477*	83750	89243---	89323
Tatra Mountains		78060*	68584*	77319*	77420*	100022---	100086	100577
terminology		27430*	90028*	98988*		bibliographies		68611*
Texas		560	reviews		24*	conferences and congresses		89266
Trinidad		37597	excretions	525	1242	98426	27764**	
Tropics	588	9305	28301	37262	48251	research methods		
58188	58501*		69084	78710	78643	statistical		795
USSR	587	68419	712*	9965*	28008*	861	9566	27671
567*	993*	11414*	58800*	68830*	68858*	27272---	27674	27680
18453*	18475*	18476*	78583*	89461*	89641*	27683	27686	27692
27410a*	27411a*	27413a*	extracts	9805	10226	27694---	27696	27698
27433a*	27437a*	27439a*	18321	19322	23230	27702	27705	27728
37576*	37580*	42851*	27918	38429	42614	27741	27742	27751
47604*	47611*	47654*	48538	58668	58993	27757	27770	27778
47665*	47689*	57524*	69211	74345	78385	47892	58389	78234
58168*	58173*	58180*	84812	89462	89935	78283	78328	
58187*	68366*	68367*	100373	100581	100649	reviews	18697	68615
68408*	78001*	78061*	15928*	27992*	28182*	47903*		78459
89000*	99761*	99783*	38166*	39807*	48388*	geography	1173	77169
United Arab Republic		99770	54105*	68585*	75917*	88204	17571*	17572*
Utah	88969	27405a	80081*	88192*	96112*	78150*	98850*	
78004		47678	fat and oil content	1360	55588	Africa		26817
Venezuela	18418*	18419*	107735	19185*	19022*	Alaska		17610*
West Indies		58154	51447*	58911*				67800

\*Text of this reference is not in English.



Item			Item			Item		
Plants-- Cont			Plants-- Cont			Plants-- Cont		
geography-- cont			in folklore			metabolism-- cont		
Albania			in numismatics		77284*	69193	69218	78225
bibliographies	36725*		in philately		36609	78383	78387	78775
Apennines	94864*		indicator	27024	25*	78837	78943	83750
Arctic Region	77270*		Australia		77992*	89833	89862	89962
Argentina 17608*	26751a*		Europe		18422	100198	100257	100340
Asia	36718*		Germany		68337*	100554	100571	100576
Australia	88222		East Germany		89053*	892*	1034*	1043*
Austria			Hungary		78071*	1408*	9664*	9834*
bibliographies	36712*	77254*	Scotland		47700	9894*	9909*	9987*
77269*			USSR	18453*	37605	18336*	18719*	19165*
bibliographies	36737	88973	57524*	58193*	47621*	26954a*	27945*	27946*
Brazil		27441*	injuries	309	88991*	37935*	38061*	38205*
Bulgaria 77284*	88218*	88221*	27024a	49414	27017a	38303*	38324*	38423*
bibliographies	36751	36751	57761*	57811*	49818*	47495*	48293*	48388*
Carpathian Mountains	46810		88583*	88607*	88635*	58501*	58547*	58567*
conferences and congresses	36702		88654*	88656*		61083*	68748*	68753*
Corsica	17580*		Australia		47144	68943*	69026*	69092*
Czechoslovakia	36700	77276*	Caribbean area		18036	78434*	78485*	78504*
98824*			Connecticut		88652	78638*	78745*	78845*
Denmark		36691	Florida		37106	89297*	89328*	89356*
Ecuador		68370	Illinois		17991	89435*	100119*	100147*
Europe	67795*	77259*	Japan		27060a*	100324*	100417*	100484*
99754*			Poland	27038a*	37169*	100628*		
Finland	28064	36711*	Switzerland		88592*	conferences and congresses		28215
France	46789*	88214*	Taiwan		77558	reviews	78079	78406
Germany			Tennessee		88642	48174*	48179*	48273*
bibliographies	36727		USSR		4660*	78594*		48618*
East Germany	17629*		introduction	49069	59347	morphology	594----	757
Himalayas		8643	77163	77177	77215	9370---	9542	18483---
Hungary	36747	77261*	98744	77132*	77144*	26815a*	27456a--	27657a
Italy		36729*	Asia		67740	28387	37619---	37821
Japan	570	8643	Australia	67740	77169	47701---	47834	58204---
Malagasy Republic		98832*	Brazil		77170	67691**	68420---	68608
Malaysia		97	California		88649*	78077---	78233	89063---
Mediterranean area	67795*		Canada		79275	99813--	100021	
Nepal	46786		Central America		28690	conferences and congresses		78212
Netherlands			China		1730	dictionaries		47788*
bibliographies	36732		conferences and congresses		39360*	research methods		
New Jersey		60	Ecuador		77232	statistical		649
bibliographies	36701	57508	Europe	77172	26753a*	reviews	47823	78079
New Zealand		26829	Florida		49268*	names	14	8550
North America		57523	Georgia		4798	36696---	36699	36717
Norway		26808*	Hungary		37413	49266	88191	101326*
bibliographies	36722		India	77180	88263*	Czechoslovakia		9*
Poland	17590*	17611*	Italy		87605	Fiji		57521
bibliographies	36735*		Japan		19868*	France		8561*
Portugal	77245*	88217*	Latin America	77189	29145*	Germany		46783*
Portuguese Guinea		46787*	Latvia		77192*	Japan	67707*	67712*
Republic of South Africa	67791		Malagasy Republic		10792*	Laos		77289*
reviews	46716*	46793*	Martha's Vineyard Island		17505*	Malagasy Republic		17505*
Rumania	37556*	36744*	Netherlands		98748	Melanesia	77148	77171
37611*	47630*	48885*	Pacific area		77141	Peru	46767*	67752*
Scotland		36728	Pakistan		77137*	Portuguese Guinea		98787*
South America		57523	Philippines	69395	77166	Senegal		57483*
Spain		17582*	Rumania		88183	Sweden		90764*
bibliographies	36708		Senegal		90000*	nematodes	489	525
Sweden			Southern States		77218*	37523	68316	68333
bibliographies	36710		Sweden		28621	88897	88903	88911
Switzerland			Thailand	77228	77154	88934	88936	88952
bibliographies	36716*		USSR	26790a	77239	99691	485*	27319*
USSR	17515*	18438*	29417*	49166*	88193	58121*	68318*	88953*
26771a*	27410*	23498*	57513*	58168*	57493*	99697*	99707*	99712*
37583*	46798*	37565*	58579*	58718*	58561*	Alaska		9284
77263*	77280*	57526*	79720*	98709*	71157*	Arctic Region		9284
98836*	98837*	88230*	West Indies		39603	Australia		68308
bibliographies	36742		labeling		88135	Bermuda		513
West Virginia		26822a	lyophilization		48142	bibliographies		47596
Wyoming	20284	26818a	male-sterile	840	47902*	Canada		9293
Yugoslavia		57519*	metabolism	998	1107	conferences and congresses		
bibliographies	36726*		1124	1217	1273	control	482	27025a
hardiness	1685	1687	1373	1376	9688	40355	58126	60735
19007	38429	58866	9717	9718	9773	88924	88934	88952
67703	9644*	10023*	9857	10054	10071	18404*	27352a*	99707*
18787*	27911*	28122*	10134	18095	18330	Africa		88941*
hybrids	36704	36755	18809	18874	18981	Australia		1706
18715*	27675*		19174	19252	19357	Austria		77948*
research methods			19430	27178a	27626a	California		47586
statistical	27679	47855*	27942	27972	28020	Florida		2629
hydrogen-ion concentration		99893	28074	28090	28184	France		88941*
100359	48485*	58783*	37940	38292	38356	Georgia	60737	88938
identification	17600	46757	38462	38551	48123	Germany	88907*	88950*
46809	57518	77287	48275	48295	48296	Great Britain		9287
illustrations	26809a	46805	48426	48581	58504	Hawaii		27364a
68028*	77211*		58654	58703	59033	Italy		18405*
bibliographies		57470	68167	68196	68302	Japan		18392*
in art	36634	98778*	68754	69017	69018			

\*Text of this reference is not in English.

Item				Item				Item			
Plants-- Cont				Plants-- Cont				Plants-- Cont			
nematodes--cont				nutrition--cont				pest control--cont			
control--cont				78355* 78365* 78471* 78491*				chemical--cont			
Mississippi	18407			78585* 78599* 78708* 78718*				Poland		105030*	
Netherlands	18406*			78738* 78762* 78781* 78911*				Sweden		93974*	
Pennsylvania	9110			83740* 89347* 89353* 89400*				China		93947*	
Poland	99729*			89628* 89649* 89667* 89723*				Colombia		63425*	
Republic of South Africa	27371a			89773* 90927* 91137* 99230*				conferences and congresses		94011*	
Spain	58118*			99483* 100114* 100154* 100158*				costs		77549*	
USSR	27370a*			100230* 100305* 100404* 100553*				Czechoslovakia		23053*	
Czechoslovakia	499*			conferences and congresses	48438**			Finland		68034	
France	99677*			reviews	28255			France		77499	
Germany	27342a*	27379a*		study and teaching	18883			Germany	27000*	32589*	77506*
Hungary	88916*			nutritional deficiencies	9915			Great Britain		8927	88692
Illinois	88905			19001 19099 69101 100225				Hungary			27053a*
India	37528 9285 18389			9695* 18966* 27847* 27928*				India			42408
	68329 99682			48197* 48234* 69108* 78507*				integrated		77541	23048*
Israel			68327	78772* 100133*				42436*	63392*	83137*	32642*
Italy			18390*	Australia		9948		Italy	4633*	23079*	105033*
Louisiana			68319	Italy		58539*		73098*	73117*	93992*	106370*
Mexico			88896*	Puerto Rico		48282*		105051*	105064*	106368*	
Michigan			47582	Southern States	2178	2180		106373*	106378*		
New Zealand			68311	37993				Japan	17990*	23061*	23062*
North Carolina	524		68332	Washington		18883		32621*			
Pacific area			88918	oxidation-reduction potential		10187		Mississippi			77576
Pakistan	18383		18384	10208 38544 48613 69265				Mozambique			105058*
Poland			99729*	78970 38633* 48399* 48485*				New Jersey			94017
Puerto Rico	77944		99725	48545* 68759* 69209* 78936*				Norway			13976*
research methods				89828*				Pakistan			17993
statistical			523	patents	17493	101296		Pennsylvania			13959
reviews	37513		9272*	apples	10655	28881	39068	Poland			77553
South Carolina			9263	101197				policies and programs			57852
South Dakota			506	Azalea		49267		88619	94017	105066*	
Southeast Asia			88918	Camellia japonica		1904		Portugal			262*
Spain	99727		99689*	Chaenomeles lagenaria		101354		Republic of South Africa			4658
Tropics			77978	Chrysanthemum	1905	10876		63377	63430		
bibliographies			88948	29017				reviews			26990*
nutrition	990	1015	1031	Euphorbia pulcherrima		1904		Spain			52721*
1083	1199	1227	1425	1905 79628				Sweden			32609*
9645	9669	9751	9768	Fraxinus		10876		Tunisia			94413*
9961	9996	10087	10102	Germany		38982*		USSR	4659*	13965*	17954*
10127	11224	11485	14204	Gladiolus	1904	29017	49267	17956*	32614*	52686*	68090*
18202	18895	18905	18948	101354				77507*	77524*	77589*	83194*
19014	19036	19044	19048	grapes		39116		Yugoslavia			63428*
19122	19169	19241	21293	Hebe		29017		pest resistance		8929	13984
27338	27512a	27836	27930	Hydrangea		49267		23066	47159	77541	83170
28138	28205	29401	30413	Ilex	1905	29017		88572	63392*	93946*	
37431	37437	37527	38063	Lantana		101354		pests		23052	27008
38132	38149	38150	38299	nectarines		69766	101197	83169	42374*		42862
38380	38390	38501	40098	peaches	29017	39068	100197	Africa			47066
47538	47961--	47963	47983	Pistacia chinensis		10685		Angola		68085	8972*
47986	48018	48038	48101	plums		69766	101197	Australia			13968
48148	48149	48343	48393	Prunus amygdalus		10685	39121	Brazil		64157*	73111*
48413	48418	48420	48450	101264				Burma			68026
48500	49764	50064	50677	Rosa	1904	1905	10876	California		236	42401
50853	50854	58522	58526	29017	39310	49267	79628	Canada	93981	93982	94281
58538	58599	58601	58629	101354				Chile			32631*
58676	58723	58737	58793	Verbena peruviana		1905		China			93945*
58864	58865	58936	68704	pest control	4639	8938	13964	Czechoslovakia			73727*
68722	68785	68809	68822	13966	23088	23108	32598	Denmark			68012*
68873	69126	77969	78348	38390	42372	42377	88601	dictionaries			37155
78374	78547	78604	78646	88644	88667	8954*	23038*	dissemination		4662	88558*
88624	89055	89327	89404	23107*	42455*	52742*	57810*	ecology	73501	63935*	73058*
89648	89727	89752	89764	67998*	77592*	93990*	105040*	forecasting		77503*	105040*
100108	100225	100239	100283	Angola		47182*	57853*	Bulgaria			37124*
102650	374*	917*	1005*	Australia			93995	Canada			32632
1012*	1063*	1074*	1118*	Austria			18000*	Czechoslovakia			37136*
1192*	1257*	9724*	9825*	biological		4647	44046	Florida			105313
9846*	9903*	9958*	10009*	47180	52735	77541	80222	Germany		73087*	77551*
10010*	10030*	10058*	10062*	83171	23089*	37078*	73103*	East Germany			37104*
10108*	10111*	10118*	10128*	73120*	77592*	77602*	93947*	Hungary			37141*
10148*	14752*	18792*	18813*	94013*	99178*			Japan			37081
18822*	18850*	18876*	18937*	conferences and congresses				New Zealand		73094	94273
27802*	27951*	27968*	27969*			94001*		Poland			37121*
28003*	28051*	28052*	28091*	Connecticut		93955		USSR	37050*	37101*	37112*
28198*	37953*	37964*	37989*	India		13982	73223		37122*	37171*	42365*
38039*	38129*	38137*	38236*	Italy			42448*	Germany		26992a*	32637*
38402*	38430*	38455*	38469*	Mexico			93973*	Great Britain			99162
38495*	48099*	48116*	48134*	New Zealand			73075	habits and behavior			42867
48197*	48246*	48252*	48324*	Republic of South Africa			73121	83740*	94624*		
48325*	48328*	48371*	48405*	USSR			52689*	Hungary			27053*
48415*	48466*	58193*	58576*	California			77510	identification			63926*
58728*	58790*	58905*	68677*	Canada			99258	India		5567	47153
68702*	68759*	68764*	68771*	chemical	42398	52762	63438	Italy		4633*	52753*
68848*	68886*	68912*	68919*	32609*	52756*	77544*	83183*	Japan			13956
68951*	68984*	68987*	68994*	83202*	93947*	93962*		Minnesota			57793
69040*	69045*	69046*	69065*	Italy			63385*	Mozambique			77554*
69088*	69099*	69130*	69154*					Neotropical Region			33034
69188*	70234*	70338*	77727*								

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.



Item			Item			Item		
Plants--Cont			Plants--Cont			Plants--Cont		
pests--cont			quarantine--cont			virus diseases--cont		
Netherlands	315*	32635*	Italy		52937*	77898	77940	88886 98786
88630*			Mexico		88579*	99602	99663	9258* 18343*
New York		84043	Mississippi		77576	18355*	18370*	27331* 37467*
New Zealand		73048	Morocco		77880*	47474*	47552*	47553* 47564*
Nigeria		99177	Republic of South Africa		88571	58102*	68264*	68269* 77893*
Pacific area	14281	47113	Switzerland		63636*	88865*	94299*	99588* 99628*
Peru	18007	52748*	USSR		14090*	Belgium		37473*
Poland	57823*	99227*	United Arab Republic		105340	control	1708	18266 37436
105046*		105045*	Western Hemisphere		18018	47532	99490*	
Portugal		73055*	residues	2115	2197	reviews		26990a*
Sicily		83148*	29579	39734	60209	Estonia		27331a*
Southeast Asia	18007	47113	60214	70826	90955	Germany		27342a*
Southern Rhodesia		93965	101786	101790	106260	Great Britain		447 9200
Spain		295*	5220*	5636*	11317*	18279		
USSR	42388	4660*	29583*	29585*	39769*	India		9214
physiology	878---	1277	48150*	49313*	49775*	Italy	18303*	77886* 99572*
2155	2630	9637---	50438*	57439*	60198*	99573*		
14725*	18770*	18783---	70583*	80133*	91100*	Japan		18312*
20453	27780---	28281	101801*			reviews	18340	37422 37430
32634*	27923---	38502	respiration	376	946	37464	78620	47512* 47561*
42848	47926---	48507	1024	1081	1315	Rhode Island		474
58128	58475---	58952	9690	9791	9828	Rumania		88867*
64199*	67401*	67677*	10167	16008	18364	terminology		18274
68659---	69157	70288*	19103	19194	19291	transmission		4818 9253
77145	77626	78337---	28045	37627	38004	23077	23097	23102 23194
79013	79099	83728	38058	38412	38428	37480	52682	88881 99608
89033*	89156	89189*	44861	47548	48122	99641	105032	105034 27284a*
89325---	89775	94653	48209	48474	48489	27319a*	27340*	27342* 68318*
99970	100087---	100559	68248	68784	68875	77876*	88953*	94330*
conferences and congresses		885	69016	69168	100033	reviews		23076 52749
9824	17929	18893	100254	100353	100368	vitamins		769 100562*
research methods			100542	410*	1106*	water relations		934 942
statistical		19086*	9913*	10036*	10126*	999	1002	1013 1044
reviews	959	33345	19026*	19105*	19204*	1105	1146	1167 1173
78354	78433	78826	27339a*	27855*	27988*	1248	1272	9459 9646
48229*	48504*	78774*	38077*	38203*	38276*	9745	9821	9822 9979
study and teaching		38194*	48333*	48370*	48392*	10002	10032	10103 18790
propagation	287	317	48445*	58840*	68833*	18827	18963	19003 19020
323	1214	1682	68871*	69070*	89252*	19023	19153	19161 19162
1705	1706	1708	89530*	89540*	97480*	20902	20941	24572 27786
10590	10593	19734	100299*	100384*	100402*	27795	27900	27910 27973
79588	89422	90264	reviews			28004	28029	28044 28054
by cuttings		719	secretions			28223	28243	28264 29260
1688	1695	1715	soilless culture		897	29651	38001	38024 38107
49028	58618	88705	78456	78736	89474	38187	38204	38271 38293
9817*	10090*	19202*	19096*	19751*	48194*	38294	38304	38341 38412
89560*			58505*	100314*		47975	48001	48007 48048
mist humidification		1692	soilless culture equipment		98741	48068	48097	48176 48181
1698	1704	5946	53693*	96040*		48183	48199	48200 48276
28768	69681	84705*	starches	937	6739	48317	48354	48377 48406
bibliographies		49014	10133	10175	10214	48449	48491	48991 50868
by grafting and budding		752	37524	37947	47373	50930	58522	58565 58573
1686	1690	49028	89447	9374*	38108*	58606	58621	58730 58927
18715*	38392*	69040*	68973*	69298*	100228*	58936	61150	68474 68728
by layering		49028	100700*			68746	68770	68808 68897
101106			temperature	9943	58555	68906	68907	68922 68949
conferences and congresses		1701	68783	100423	1136*	68968	68969	68986 69066
costs		1698	38216*	48410*	58893*	69140	71238	78478 78632
Europe		1691	89622*			78669	78685	78695 78767
Western States		1700	transpiration	1087	1135	78770	78808	81094 81174
proteins	1119	1357	10092	10095	10139	89306	89399	89417 89425
1361	1419	1422	18911	19037	19152	89439	89478	89489 89498
18846	19230	19282	19190	19237	27786	89511	89533	89545 89573
28135	38563	38591	27800	27924	28006	89575	89662	89687 89750
48526	48591	58473	28247	38412	38497	89943	99473	100088 100112
58938	69163	69232	47926	48068	48406	100129	100291	100294 100306
78934	89362	89548	50835	58555	58568	100330	100356	100374 100399
98390	100177	100571	61150	68783	69141	100403	100407	100493 100508
665*	9387*	28193*	78770	89388	89488	893*	944*	2794* 2831*
48349*	48605*	48642*	89682	91567	100254	9679*	9753*	9760* 9775*
89207*	89896*	89899*	100447	9997*	10106*	9878*	9968*	9980* 10022*
reviews		89246*	27922*	28113*	28115*	10057*	10089*	10094* 10118*
quarantine	27061a	47167	28179*	38015*	38216*	10144*	14264*	18800* 18819*
77163	77615	105070	38346*	48409*	58521*	18832*	18865*	18880* 18916*
Africa		8930	68872*	68888*	68899*	19000*	19175*	17213* 21269*
Arizona		67995	78449*	78706*	78852*	27839*	27865*	27878* 27894*
Australia	37091	47142	89523*	89525*	89608*	27926*	27961*	27967* 28005*
Brazil		27040a*	100538*			28051*	28053*	28072* 28112*
California	47166	88579*	reviews			28114*	28121*	28176* 28178*
Canada		83538	transportation			28187*	28200*	37163* 37732*
China		57813	virus diseases			37950*	37963*	37969* 37985*
Europe		68013*	18328	18341	18365	38021*	38079*	38080* 38157*
Germany	47089*	58120*	18691	27335a	32616	38188*	38218*	38275* 38302*
East Germany		68013*	37438	37481	47536	38321*	38400*	38423* 38427*
Great Britain		68150*	51469	58071	58084	47943*	47946*	47980* 47991*
India	8933	99423	68253	68257	68297	48039*	48056*	48063* 48075*

\*Text of this reference is not in English.

Item		Item		Item	
Plants--Cont		Plastics--Cont		Platycobboldia loxodontis	95116
water relations--cont		in fruit storage	65605*	Platycodon grandiflorum	99611*
48224* 48257* 48346* 48376*		in greenhouse construction	64655*	Platycotta SEE Hindola (Platycotta)	
48388* 48441* 48503* 50279*		in horticulture	10591	Platycranus	95268*
50915* 58570* 58579* 58661*		38997 47459 58505	58505	Platyderus ruficollis	5155
58685* 58716* 58880* 58881*		69655 69665 69970	74241	Platydesma campanulata	1442 48647
58890* 58896* 68187* 68675*		78756 79415 101280	1707*	Platydesmidae	14469*
68737* 68796* 68798* 70782*		1798* 1973* 5941*	10675*	Platyedra gossypiella SEE Pectinophora	
78341* 78365* 78465* 78509*		15327* 19039* 19764*	20188*	gossypiella	
78580* 78631* 78706* 78719*		24078* 28914* 38952*	38957*	Platygaster taras	95001*
78764* 78812* 78825* 78875*		39369* 39417* 39418*	43811*	Platygasteridae	84095
81140* 89324* 89436* 89457*		49027* 49295* 49343*	49383*	Platymachaerota	53408
89461* 89464* 89469* 89515*		59467* 59480* 64697*	66954*	Platymetopius	95179*
89552* 89608* 89622* 89630*		77501* 79510* 79675*	79679*	Platymischus dilatatus	64159*
89730* 89742* 91069* 100098*		79716* 84703* 89485*	90485*	Platymonas	99026*
100149* 100180* 100229* 100500*		101119* 106493*		Platymya capillata	105715*
100538* 100543* 100544* 102609*		conferences and congresses	74251	Platyngomiriodes n g	33256
102754*		33899*		Platypalpus	5234*
conferences and congresses		in insect preservation	53444	Platyparea poeciloptera	32777* 63567*
reviews 9885 58671 78482		in meat industry	97109*		105184*
48382* 78658*		in meat storage	65828*	Platypatrobus lacustris	94817 94949
SEE ALSO Botany; Flora; Herbar-		in plant research	46745	Platypezidae	83958
iums; Paleobotany; Vegetation; names		in poultry industry	82693	Platyplax inermis	64122*
and classes of plants; names of		in veterinary medicine	3889	Platyplax salviae	64122*
anatomical parts, diseases, and		12566* 12966*	61813*	Platyplectrus	53441
causal organisms; and UNDER		in wine industry	96323*	Platyplorea capitata	14755
Photography; Sex; Symbiosis;		in woodworking industry	61412	Platypleuridae	73704
Tissue culture; Tissues		30536* 51207*		Platypodidae	
Plaque technique 30851* 30989*		in wool processing	34584	Africa	43022*
Plasmacytosis SEE Aleutian disease		manufacture	103011	and plant disease	83460
Plasmochin SEE Pamaquine naphthoate		materials 6630 103011	51306*	Cameroon	94953*
Plasmodiophora brassicae		81555*		Costa Rica	94930*
27105a 27106a 37348 47292		microorganisms	74466*	fungi	83817
47338 77774 77845 99496		reviews	54268*	Ghana	5129
370* 18163* 27118a* 77641*		mulch	2471	taxonomy	94931*
77642* 99366*		29857 29875 50197	59850	Platypocnemis n g	83829*
Plasmodiophorales		60565 70662 70663	70677	Platyprosopus texanus	83870
Plasmodium		70681 84435 84454	84584	Platypsorodes n g	23579*
63399*		40129* 50195* 61073*	79176*	Platypsyllidae	33100
Plasmodium berghei		80495* 91206*		Platypsyllus castoris	33100
Plasmodium cynomolgi		properties	54246* 57194*	Platyptilia	95556
Plasmodium falciparum		soil conditioner	60065* 101643*	Platyptilia calodactyla	14873
4747 23134 23145 63455		SEE ALSO names of plastics; and		Platyptilia capnodactyla	23886*
106082 63400* 73129*		UNDER specific subjects		Platyptilia gonodactyla	14873
Plasmodium gallinaceum		Plastids	1295 18738 27600a	Platyptilia punctidactyla	14873
42017 52767 84025		38584 78124 78861	100082	Platypus cylindrus	42958
Plasmodium lophurae		1362* 9374* 9390*	9450*	Platypus sulcatus	42786* 63717*
Plasmodium malariae		10181* 19159* 28406*	38552*		63968*
Plasmodium ovale		47746* 48604* 68432*	68560*	Platysamia cecropia SEE Hyalophor	
Plasmodium relictum		99927*	47758*	cecropia	
Plasmodium vivax		Antirrhinum majus	665*	Platyseius	14454
106082 73129* 83265*		99927*		Platystomatidae	95092
Plasmopara		Arabidopsis thaliana	68645*	Platystomidae (Coleoptera) SEE	
Plasmopara halstedii		barley	658	Anthribidae	
Plasmopara viticola		Chlorella pyrenoidosa	665*	Platystomatidae (Diptera) SEE	
346* 27114a* 37352*		Cuscuta	99933*	Platystomatidae	
99307*		Epilobium hirsutum	99824*	Platytaenia	98918
Plaster of paris		Lilium tigrinum	99989*	Platytes alpinellus	73787
Plastic beads		Oenothera	47914*	Platyura	64017
106905*		onions	38571*	Plebeiiella lendliana	5437
Plastic tunnels		Polytoma	667	Plebejus SEE Plebejus	
Plasticizers		Syringa	47535*	Plebejus argus	33362 33385* 105961*
Plastics		Tagetes patula	99989*	Plebejus icarioides	53472
bacteria		Taraxacum officinale	47535*	Plecia	23668
deterioration		tomatoes	619*	Plecoma	835 73
in agriculture		Plastocyanin	38574 100289	Plecoptera	
27383* 46501* 46505* 46522*		Plastoquinone	18791 19193	Alaska	95634
57161* 57181* 57194* 57196*		19235 38037 69218	1322*	Albania	84230*
67479* 76895*		10098* 38542*	89718*	anatomy and physiology	14954
in building construction		Platambus	94869*		23961
96057* 64669*		Platanaceae	57454*	Auckland Islands	95633
in cheese industry		Platanus	30393 95492*	Australia	14981
in dairy industry		Platanus acerifolia	99422	conferences and congresses	14993
24965* 24987* 96610*		Platanus occidentalis	99422	Czechoslovakia	64286*
in drainage and irrigation		Platanus orientalis	99422	ecology	53577
50246 70804 102115 102251		25341* 30732*		eggs	14957
11738* 20854* 40158* 40263*		Plateremaeidae	14482	France	14973* 106113*
40264* 40314* 60628* 91265*		Plathymeria	17797*	Germany	95650*
102203* 102260*		Platolenes	105613	East Germany	53571*
in entomological research		Platycarpium	88345	Italy	95610*
in equipment industry		Platycarpum	5297*	New Zealand	95633
24053* 33529* 84438* 95743*		Platycephalisca	98995	nymphs	14957 53563
in food industry		Platycephalum	36940	phylogeny	84219
24481* 24482* 34126* 97062*		Platycephalus	99422	poisoning	14958*
97138* 97140*		Platycephalus angolense	100122*	Poland	63407
in food storage		Platycephalus stemaria	100122*	Portugal	43385*
in forestry		Platycephalus maculifemuratus	33117*	pupae	106110*
12145* 40623* 102616*		Platycephalus	23875	Southern Hemisphere	53552*
		Platycephalus	23875		43359*
		Platycephalus	33477		

\*Text of this reference is not in English.



		Item			Item			Item
Plecoptera-- Cont			Plowing-- Cont			Plums-- Cont		
Spain		106110*	equipment--cont			culture--cont		
taxonomy	95662	95663	Germany	43544*	43561*	Netherlands		19836*
64275*			East Germany		24079*	Norway		90327*
Yugoslavia		23940*	Japan		43537*	Sweden		20672*
Plectocolea	8787	17831	Morocco		64551*	Switzerland		39029*
Plectonaemella		37032	operation		43533	USSR	101168*	101194*
Plectranthus incanus oil		55690	Finland		2479*	cytology		27494a
Plectrodera scalator		73315	Germany	40120	11653*	diseases		37151*
Plegmacium SEE Cortinarius			history		91194	fertilizers	77694	20617*
Pleiocarpa tubicina	78997*	100580*	Hungary		20803*	20672*	20730*	
Pleioneura		98942*	Lithuania		2502*	for processing	55101	69762*
Pleistodontes		105906	mountain areas		64404*	fungus diseases		107293*
Pleochaeta SEE Uncinula			95814*			control	77694	77748
Pleolophus n g		64168	Northern Rhodesia		91211	Bulgaria	37384*	88697
Pleosphaerulina		67966*	Norway		11675*	Italy		100512*
Pleospora		228	Poland	29391*	50204*	Netherlands		37347*
Pleospora ellisii		88846	Southern Rhodesia		91211	Poland		88793*
Pleospora scirpicola		99945	Sweden	20799	11663*	Yugoslavia		27098a*
Pleospora valesiaca		99945	USSR	2476*	5875*	grading and standardization		68190*
Plesiosejus		14454	20794*	20802*	19088*	65544*		6814
Plesispa		73572	29870*	40123*	29858*	hardiness	18890*	59604*
Pleura		92883*	60566*	80462*	60548*	harvesting equipment	43605	69745*
Pleurage SEE Sordaria			Plows			43605	64484	15161
Pleurisy	103982	92417*	bibliographies		60560*	24109*		88697
Pleurocapsa fuliginosa		9378*	Denmark		106267*	hybrids	27494a	1761*
Pleurocollybia cibaria		99124*	designs and specifications		53704*	69740*		59604*
Pleurogonoides tener		106138	disk	15116	20972	injuries		88563*
Pleurolooma butlebutleri		94719	102283	24084*	74031*	irrigation		11708
Pleuropneumonia			operation	43538	15112*	labor		66494
cattle	3592	3645	95816*	106266*	24080*	marketing		15980*
Australia	13037	82243	equipment	5742*	33645*	morphology	37749*	58321*
diagnosis	41613	72123	history		74037*	nutritional deficiencies	6804	78758*
41659*			maintenance and repair	95805	24084*	packing		65544*
eradication		82213	oldboard	20802*	74031*	pest control		83182
immunization	72208	31411*	Netherlands		84411*	biological		42713*
72156*		72156*	terminology		95802*	Bulgaria		42713*
Kenya		31262	operation	20972	95800	Great Britain		83425
prevention		92502*	15107*	33662*	33668*	natural		99102*
goats		52412*	53694*	53698*	84419*	Poland	14193*	83478*
swine	63325	63326	84423*	106268*	106275*	pests		83397
vaccines		72208	mountain areas	64404*	64405*	physiological diseases	38073	972
Pleuropneumonia-like organisms		103263*	parts		43536*	38190	78758*	
cattle		13104	remote control		95815*	planting		39039*
conferences and congresses		71817	rotary	33657*	84410*	pollen		99986
poultry	4166	4232	Rumania		5733*	pollination		101182*
22670	41891	93311	Sweden		24081*	pre-harvest drop	1152	28257*
control		82634	tests	5738*	53695*	prices		96869*
India		93233	types	2481	33640	processing		16057*
rats		31720	95823	43551*	95802*	propagation	79489	69745*
swine	4550	52574	China		95819*	pruning	10653	90336*
turkeys		62863*	Germany	5742*	33641*	101179*		
Pleurosigma angulatum		68563*	33645*	84418*		quality	15161	55101
Pleurothallis amparoana		46917	East Germany		53698*	107293*		89647
Pleurothyrium		88345	Great Britain		24082	ripening		34826
Pleurotus		1290	Hungary		24085*	rootstocks	59559	69739*
Pleurotus ostreatus	1436	99513	Italy		74018*	69745*		
38160*	38360*		Japan		33656*	soils		11442*
Pleurotus ulmarius		89221	Lithuania		5736*	spraying and dusting		48208
Plexiglas		97500*	Rumania	11651*	106265*	statistics	75356	75358
Plinthisus		73723	Sweden		20799	storage		6890
Plinthus sturmi		5207*	USSR	53700*	102566*	trade		98260*
Plochmopeltidella		88502*	United Arab Republic		101654	Tropics		99986
Plodia interpunctella			Plowshares	5740*	43548*	varieties	69766	101197
anatomy and physiology		64192	95820*		43550*	58266*		
106063			Plum curculio SEE Conotrachelus			Bulgaria	69759*	69762*
biology	64191	106059*	nenuphar			Canada		59553
China		106059*	Plum pox			Hungary		28879*
ecology		14846	apricots		68279*	Norway	59589*	90327*
Tropics		42731	peaches		68279*	Sicily		28850*
Ploearia SEE Ploiaria			plums	27333a	68279*	USSR	18890*	19820*
Ploiaria		53388*	Plum rust mite SEE Vasates fockeui			101182*	101186*	101198*
Ploiariidae		43151	Plumbago zeylanica		1354	Yugoslavia		59559
Plowing	60498	38446*	Plumeria		58856	virus diseases	9235	77905*
Africa		27371	Plumeria acutifolia		100731*	Europe		58081
Australia		102103	Plumiera SEE Plumeria			Germany		68279*
bibliographies		60560*	Plumieride		100731*	Great Britain		27333a
Bulgaria	29864*	102093*	Plums			Idaho		68273
contests	91194	40119*	anatomy and physiology			yields	83182	19091*
60546*	80487*	50214*	48208	58496	34826	Australia		10653
costs	33651*	106268*	19091*	28069*	83397	Rumania	20617*	20730*
Denmark		2474*	78824*		77905*	Switzerland		59578*
effects on soils		2481	biochemistry		77905*	USSR		90336*
101654	2460*	2464*	breeding		1761*	Washington		89647
2499*	20819*	29976*	costs and returns	7963	10653	Pluriphos 38		11616*
70675*	102084*	33667*	108551*			Plusia chalcites	64202*	105323*
equipment	15106	95812	culture			Plusia gamma SEE Autographa gamma		
			California		39045	Plusia ni SEE Trichoplusia ni		
			Japan		90318*			

\*Text of this reference is not in English.

Item			Item			Item			
Plusia uralensis		105955*	Pneumonia--Cont			Podzol soils	2291	2292	39773
Plusiinae	43243	105955*	goats	4410	42203	39828	60272	29539*	48114*
Plutella maculipennis	14851	14885	horses		31673	70281*			
23218	64189		sheep	4380	4419				80210*
reviews		5516	82828*			Belgium			49794.
Plutellidae SEE Hyponomeutidae			causes		4410	Canada	11424	49757	
Pluteus		208	diagnosis		82854*	49834			
Pluteus pseudo-cervinus		47046*	immunization	4382	52451*	Germany			11540*
Plutonium		74887	treatment		93689*	East Germany			48389*
Plywood			swine	42295	4610*	Great Britain	2187		2230
associations		21549	104836*		52520*	2248	11340	29600	
bonding		24653	vaccines		52451*	Japan		29587*	29638*
construction	2955	30611	SEE ALSO kinds of pneumonia			Lithuania			49835*
21544*	40938*	84711*	Pneumora inanis		95567	Michigan	49857	49858	49859
costs and returns		40966	Pneumorracris n g		106076	Netherlands			80160
decay		12288*	Pneumoridae	23934	95567	Poland	1257*	11400*	12013*
defects	40963*	71462*	Pneumothorax	104030	104033	49627*	49689*	49693*	49694*
directories		30608	Poa			49739*	80054*	80198*	90983*
durability	30605	12287*	anatomy and physiology		48225	Rumania	2399*	20614*	90046*
equipment		40971*	48233	69023	78604	102030*			
finishing	30603	30618	culture		49219	USSR	11608*	12179*	11302*
51211	21537*	21545*	fertilizers		69023	12179*	20472*	29594*	
fireproofing		2971	fungus diseases	99473	99520	29628*	30022*	39809*	39824*
40862*			pests	32640	52892	39840*	49612*	49717*	49722*
gluing	21554	30605	varieties	59762	100935*	49799*	50171*	59566*	60289*
71461	91690	102948	Poa annua	68557	101583	60537*	70243*	70322*	70336*
40948*	40950*	61414*	Poa bulbosa			70372*	70436*	70517*	70602*
81478*	102946*		Poa colensoi		68496*	70675*	80203*	80289*	80339*
grading and standardization		81467*	Poa pratensis		38030	80430*	80441*	80486*	90878*
industry	2968	30626	anatomy and physiology		1134	90880*	101781*		
Alabama		21550	18795	57872	48046	78480			80163
Japan		40971*	78567						14736
Oregon		30629	culture	27872	49198	90452			14923*
Southern States	30609	30622	disease resistance			99330			43282
30623			fungus diseases	9134	18063	Poecillocera (Orthoptera) SEE			
Japan		40936*	68102	99330		Poecillocerus			
manufacture	12340	30627	genetics		27685*	Poekilocerus hieroglyphicus			73874
81476	12346*	12349*	germination		18795	Poekilocerus pictus			14924
Africa		71453	nutritive value	103134*		Poemeniini			53424
Australia		81459	pests	83372*		Pogonomyrmex badius	43198		73752
Czechoslovakia	2965*	12344*	seeds	66178		Pohlia			8795
Philippines		21540	varieties	100935*		Poinsettia SEE Euphorbia pulcherrima			
Taiwan		51223*	weed control	78480	79783	Poison ivy SEE Toxicodendron radicans			
Yugoslavia		40966	Poa silvicola		99772*	Poison sumac SEE Toxicodendron vernix			
marketing	30606	30615	Poa trivialis	28990	39488	Poisoning SEE Food poisoning; Poisonous			
71449	71455	12351*	Pod mottle			plants; names of poisonous substances;			
materials		61411	beans	42645	47541	and SUBHEADS poisoning; toxicity			
overlays	40940*	40946*	Podabrus lapponicus		58104	UNDER specific subjects			
71460*			Podabrus obscuripes		14508*	Poisonous plants	79820	92971	39519
permeability		91690	Podagrica		14508*			70201*	39578
pest control		102895*	Podagrica bowringi		94954*	Africa			60056
preservation	91690	40964*	Podagrica malvae		4790	Australia			39448
prices		30629	Podagrionidae		105016*	Brazil			79756
products		81479*	Podbielniak extractor		43206	Canada			19373
properties	21541	21542	Podocarpus ferrugineus		86313*	Florida			79820
30616*	40939*	40952*	Podocarpus lawrencei	64117	95001	Germany	70218*	98954*	90745
71460*			Podocarpus macrophyllus		106095*	Guam			101606*
quality		30626	Podocarpus milanjianus	17517	53426	New Zealand			39561
situation and outlook		30607	Podocarpus nagi oil		627*				70075
30628	40943	40953	Podocarpus spicatus	12117	27605a	Oklahoma			70075
strength	71452	12287*	Podocinidae		12117	Pacific area			39527
30616*	40935*	40944*	Podocinum		47615				42498
71465*	81457*		Podophyllum emodi		3004	pollen			49456
stress		40948*	Podophyllum peltatum	77412	30666	Senegal			58221
structure		30724	Podophysa		107769	to bees			20334*
surfaces		81471*	Podoserpula n g		18477	to livestock	71744	81857	32927*
terminology		30612	Podosphaera leucotricha		83767				83039
tests	91713	40935*	27099a	27100a	83767	104318			
40944*	40946*	40958*	77792	77838	100721*	Argentina			12985*
41119*	71465*	81463*	8997*	18092*	100721*	Australia	11078	49455	91958
81472*--81474*			47329*	58019*	100721*	Brazil			20228*
trade			83450*	88772*	95036*	Canada			91994
Finland		71457*	8996*	68190*	226	India			92003
Taiwan		51224*	Podospora anserina	10182*	9052	Ireland			11049
SEE ALSO Adhesives; Veneers			89247*	89812*	47421	Nevada			20226
PMA SEE Acetoxyphenyl mercury			77099a	27100a	47421	Rumania			103320*
Pneumatic conveyors SEE Conveyors;			77792	77838	47421	Texas			91932
and SUBHEAD pneumatic UNDER			8997*	18092*	77847	Western States			2062
Equipment			47329*	58019*	99270	Yugoslavia			62327*
Pneumocoptes tiollaisi		14424	83450*	88772*	37260*	Virginia			70127
Pneumonia			8996*	68190*	77790*	SEE ALSO Photosensitization; and			
buffaloes		22172	Podospora tridactyla	8996*	68190*	names of poisonous plants			
cattle	22172	22281*	Podospora anserina	10182*	19296*	Poisons SEE Economic poisons			
Australia		13037	89247*	89812*		Polamivet			62630*
causes		62169	Podosporiella verticillata		47288	Polarimetry			26210
causes		81813	Podosporium		8857	26270*	33985*	66133*	66124
dogs		103965	Podostemaceae	47802*	77323*	96674*			85923*
ducks		93239*	Podostemonaceae SEE Podostemaceae			Polarography			43948
			Podura aquatica	5625	14975	conferences and congresses			47715
			43375	43376	33506*	in animal research			43946
			Poduromopha		95648*	in dairy research			82505
									44272*

\*Text of this reference is not in English.



## Item

Polarography--Cont  
 in economic poisons research 46495  
 reviews 84795 106563  
 in fats and oils research 26081\*  
 in feed research 75010 6556\*  
 in food research 43910  
 in grain research 65745\*  
 in insecticide research 84806\*  
 in milk research 34337\*  
 in plant research 1428 96114  
 28123\*  
 in soils research 101702\* 101761\*  
 in sugars research 97464\*  
 in tobacco research 26336\*  
 in vegetable research 44620\*  
 in vitamin research 24395\*  
 in wool research 85564\*  
 Polders 11253  
 Germany 50328\* 53251\*  
 Japan 60251  
 Netherlands 60605 70741  
 66840\* 70737\* 87327\* 108521\*  
 New Zealand 11774  
 Northern Rhodesia 50278  
 Polemoniaceae 36822 60042  
 Polemonium caeruleum 98984  
 Polemonium sibiricum 11161\*  
 Poles 59099\*  
 Australia 102928\*  
 building materials 64614 74252  
 moisture 102885  
 New Zealand 102928  
 preservation 40835 81378  
 40828\* 40833\* 61370\* 81401\*  
 processing 102928 21515\*  
 properties 61398\*  
 quality 61398\*  
 sawing 81306  
 seasoning 30535 102885  
 South Dakota 51054  
 statistics 71443  
 strength 51367  
 tests 61402\* 81343\*  
 transportation 32798\*  
 Polia oleracea 27916 59701\*  
 Polianthes tuberosa 24326\*  
 Policies and programs 7810  
 26676 65303 66590 66641  
 66724 76184 76202 76224  
 76651 76674 86571 86900  
 108019 17010\* 27595\* 45632\*  
 86933\* 98664\*  
 Africa 35604 35708 66608  
 76128 16742\* 16744\*  
 bibliographies 66726  
 Albania 56236  
 Alps 108302\*  
 Andes 26683  
 Argentina 16703\* 66631\*  
 Asia 66625  
 Australia 7782 7795  
 Austria 45628\* 45701\* 76144\*  
 86897\* 97734\*  
 Basutoland 76208  
 Belgium 108234\*  
 Bulgaria 66609 26605\*  
 California 66657 74375  
 Cameroon 97702 108308\*  
 Canada 26610 26657 35709  
 86807 97704 108238 108251  
 108260 108272 108770  
 Ceylon 7764 97707 108690  
 China 26665 56359 66630  
 66642 66674 66715 66735  
 76222 86934 97768 66647\*  
 97779\*  
 Colombia 66613\* 86840\*  
 conferences and congresses 86812  
 Congo 108351\*  
 Czechoslovakia 66622 35627\*  
 35684\* 108454\*  
 Denmark 35668\* 108225\*  
 desert areas 66553\*  
 developing areas 7780 16758  
 26721 35706 45735 45736  
 86920 97700 97747 108259  
 7806\* 56009\* 86839\*  
 Ecuador 7777\*

## Policies and programs--Cont

El Salvador 7733 43337 35607\*  
 Europe 66681  
 35659\* 56256\* 56259\* 66554\*  
 66586\* 66624\* 66889\* 97692\*  
 97763\* 98259\* 108314\*  
 European Economic Community 7752  
 17136 26655 26697 26711  
 35608 35724 36184 57042  
 108852 26580\* 26581\* 26616\*  
 45706\* 66542\* 66621\* 66638\*  
 76106\* 76111\* 86885\* 97755\*  
 108233\* 108275\* 108314\* 108339\*  
 Finland 33973\*  
 Florida 108356  
 France 7755\* 7772\* 26681\*  
 26688\* 35614\* 45706\* 56320\*  
 66558\* 66623\* 66646\* 66649\*  
 66655\* 76127\* 76131\* 86848\*  
 86863\* 97738\*  
 Germany 108331 108691 16672\*  
 26613\* 44074\* 45323\* 45642\*  
 45710\* 45727\* 56085\* 66695\*  
 66736\* 76135\* 86796\* 86898\*  
 86902\* 97716\* 97770\* 106684\*  
 108254\* 108287\* 108350\*  
 East Germany 56240 56367  
 66697 7743\* 7792\* 16684\*  
 16764\* 35622\* 45681\* 45739\*  
 45743\* 45855\* 86930\* 97766\*  
 Great Britain 7781 35701  
 66614 66699 76167 86805  
 97790 7801\* 66561\*  
 Great Plains 16760  
 Greece 66551  
 Guam 75964  
 history 35673  
 Honduras 26979\*  
 Hungary 26621\* 35611\* 56311\*  
 76201\* 86801\*  
 India 7785 7790 7791  
 16718 26665 35682 35693  
 36264 56315 56322 66637  
 66701 76114 76161 76194  
 97719 35632\*  
 Indiana 87457 97780  
 Iowa 16690  
 Iran 35687\*  
 Ireland 76199  
 Israel 76109 76185 97759\*  
 Italy 76181 7754\* 16685\*  
 16727\* 16728\* 16740\* 16762\*  
 25680\* 26599\* 26607\* 26625\*  
 26660\* 26671\* 26723\* 35616\*  
 35689\* 35692\* 35706\* 35840\*  
 45655\* 45660\* 45694\* 45698\*  
 45699\* 45715\* 46056\* 56234\*  
 56238\* 56247\* 56260\* 56271\*  
 76132\* 76166\* 76176\* 76177\*  
 76183\* 76189\* 86820\* 86837\*  
 97714\* 108231\* 108239\* 108249\*  
 108255\* 108256\* 108267\* 108294\*  
 108327\* 108581\*  
 Jamaica 35612 67220  
 Japan 66662 86857 35603\*  
 35639\* 35664\* 35674\* 35729\*  
 56321\* 66703\* 66712\* 66727\*  
 86728\* 86851\* 86916\* 97392\*  
 97733\* 97782\*  
 Latin America 56336 76150  
 35726\*  
 Malaysia 16750  
 Mexico 45745 108320  
 Minnesota 16714  
 Mississippi 16547  
 Morocco 26584\*  
 mountain areas 16762\* 26599\*  
 26625\* 45655\* 86848\* 108249\*  
 Nauru 86791  
 Netherlands 35645\* 45668\* 45738\*  
 60895\* 86844\* 86883\* 86896\*  
 108247\*  
 New Mexico 56287  
 Nigeria 26958 45741  
 North Carolina 26669 35670  
 86806  
 Norway 45654\*  
 Pakistan 86903

## Item

## Policies and programs--Cont

Peru 27051 16715\* 35588\*  
 Philippines 7501 66718  
 Poland 26664\* 35634\* 35635\*  
 36135\* 76137\* 76664\* 86825\*  
 86872\* 97712\* 97721\*  
 Portugal 66661\*  
 research methods  
 statistical 34949  
 Rumania 76174 66620\* 66676\*  
 97752\*  
 Ryukyu Islands 16739  
 Sarawak 26690  
 Scandinavia 26441\*  
 Scotland 45721  
 South Carolina 16749  
 Southern Rhodesia 35703  
 Southern States 26709 66566  
 66575 66679 66680 66687  
 7756 66704 29987\*  
 Spain 35644\* 45455\* 66547\* 66556\*  
 66610\* 97745\* 97746\* 97764\*  
 97776\* 108299\*  
 Sudan 56351 108235\*  
 Sweden 76141 87002 56312\*  
 56812\* 66650\*  
 Switzerland 66974\* 86854\* 108245\*  
 Tanganyika 35714  
 Texas 45636 66557 66677  
 Trinidad and Tobago 56331  
 Tunisia 56254\*  
 Uganda 66861  
 USSR 56251 56272 56296  
 66643 66698 66730 76152  
 76155 76200 7746\* 16702\*  
 16704\* 26694\* 26695\* 45648\*  
 45679\* 56245\* 56288\* 56349\*  
 66640\* 76140\* 86736\* 97773\*  
 108240\* 108293\* 108340\*  
 USSR bloc 66541 97773\*  
 United Arab Republic 86804  
 66553\*  
 United States 7742 7771  
 7783 7797 7812 8266  
 16683 16691 16692 17090  
 26593 26632 26633 26635  
 26636 26663 27127 35599  
 35617 35618 35667 35688  
 35720 45629 45639 45687  
 45708 45726 56250 56255  
 56261 -- 56265 56267 56282  
 56290 56348 56355 57000  
 66565 66570 66585 66595  
 66598 66599 66602 66603  
 66604 66606 66607 66612  
 66627 66629 66654 66665  
 66666 66673 66675 66700  
 66722 74470 75964 76125  
 76134 76172 76192 76214  
 86833 86845 86859 86924  
 86931 97625 97717 98203  
 98209 98215 98243 108262  
 108263 108266 108273 108304  
 108764 45651\* 98259\*  
 Uruguay 56273\* 66611\*  
 Venezuela 35421\* 56276\*  
 Vietnam 66567 66670 74306  
 76158 16681\*  
 West Indies 76175\*  
 Yugoslavia 56289 56300 56313  
 76207  
 SEE ALSO names of government  
 agencies and of programs; and  
 UNDER specific subjects  
 Polioencephalomalacia 32268 62425  
 Polioencephalomyelitis 13827 63275  
 Poliomyelitis 73017 63489\*  
 Polish in Africa 55130\*  
 Polistes 53458 53459  
 Polistes gallicus 14791\* 23785\*  
 84083\*  
 Polistes nimpha 14791\*  
 Politics 7097 21099 36119  
 56268 56357 56804 67106  
 China 26665  
 Colombia 67014  
 Congo 87248\*  
 desert areas 56843

\*Text of this reference is not in English.

	Item			Item			Item	
Politics-- Cont			Pollen studies-- Cont			Polyethylene-- Cont		
Germany			conferences and congresses	17522		in forestry	40658*	102674*
East Germany			Czechoslovakia	57469*		in fruit storage	6835	44711
history			Denmark	36652	88111	6838*	6850*	44745*
Australia	8093	8112	Finland	46760	57480	65561*	107318*	107319*
New York		8108	France		57433*	in horticulture		10593
India	26665	98188	Gabon		57417*	49036	49370	49547
Iowa		87462	Germany		67726*	68039	74229	79650
Italy	16727*	16740*	Great Britain		36620	1939*	20124*	20147*
46191*		45660*	67696	67700	67758	28851*	29038*	29416*
Japan		97321*	77227	77236		59445*	59812*	90762*
Southern States		67105	Hungary	8590*	8592*	in vegetable storage		65553*
USSR		17051	57426*	57494*	17526*	in veterinary medicine		12609*
Western States		56843	Illinois			mulch	20790	60544
SEE ALSO Farmers, political			India		98782	91216		40844
influence			Japan	52	67733	Polyethylene glycol		2922
Pollacia elegans		9084*	Lake States		20*	61538	77940	99662
Pollalesta		17634*	Lithuania		67723	Polyfructosans SEE Fructosans		99663
Pollen	9565	19110	Louisiana		67686*	Polygalacturonase SEE Pectinase		
analysis and composition		67750	Massachusetts		36642	Polygonaceae		70104
86070	1180*	1449*	Michigan		57438	Polygonales		36817
78193*	83669*	2079*	Minnesota		36629	Polygonatum		36844
anatomy and physiology		9786	Mongolia		17566	Polygonatum inflatum		98*
19201	27544a	37764	Netherlands		67724	Polygonia c-album		95537
99980		48461	New Zealand		98799	Polygonia c-aureum		14871*
reviews		78608	Northern Ireland		46720	Polygonum	39456	46835*
biochemistry	19320	19354*	Norway		57495	67840*		88312*
38575*	48562*	89897*	Ohio	50	57441	Polygonum amphibium		88312*
collecting and preserving		63776	Republic of South Africa		36644	Polygonum aviculare	49523	67839*
88150	105449		Scotland	8565	67761*	67840	105016*	
collection by bees	42832*	94539*	Southwestern States		57448	Polygonum bistortoides		9344
94543*	94544*		Sweden	88170*	46743	Polygonum convolvulus	38067	101503
cultures		8604	Texas		48743	Polygonum coriarium		100300*
cytology	8584	27524a	USSR	8556*	8571*	Polygonum cuspidatum	29315	29316
18523*	47728*	68423*	8623*	8631*	17527*	Polygonum divaricatum		89532*
feed for bees		63776	46748*	46753*	46762*	Polygonum lapathifolium		26906a
105433	105449	53082*	57465*	67737*	67769*	Polygonum nodosum		26906a
73396*	73445*	83674*	88110*	88147*	77224*	Polygonum pensylvanicum		28132
fossil SEE Paleobotany; Pollen studies			Pollination	14303	78275	59918		28132
freeze-drying	8621	9877	53081*	68731*	73447*	Polygonum persicaria		28132
100530			conferences and congresses		9816**	Polygonum scabrum		26906a
germination	9694	19106	SEE ALSO UNDER names of plants;			Polygonum tomentosum		29*
38500	46751	48221	and SUBHEAD as pollinators UNDER			Polygonum viviparum		89532*
58727	58810	58912	Insects and names of insects			Polygonum weyrichi		42794*
77896	78445	89642	Pollution SEE Air pollution; and UNDER			Polygraphus proximus		60790*
18970*	18982*	27937*	Water			Polyhalite		94670*
48261*	78525*	78851*	Polonium		48119*	Polyhedroses		84132*
in honey		107544*	Polyacrylamide	21012*	101652*	Autographa gamma		14902
morphology	671	9497	Polyacrylonitrile		101652*	Bombyx disparata		53098
18652	18672	18675	Polyalcohols SEE Alcohols			Bombyx mori	23496	32975
26789a	27516a	27538a	Polyalthia		17569	83720	94601	105476
37756	37800	37806	Polyamides SEE Amides			105479	105480	105488
47708	47812	47825	Polyamines SEE Amines			5026*	14333*	23480*
58228	58283	58300	Polyanthes SEE Polianthes			53100*	63804*	83683*
58358	58367	68428	Polybioides		95357*	83717*	83719*	94590*
68472	68542	68557	Polybor 3		63463*	94596*		
78100	89107	89134	Polybothrus		33056	Cactoblastis cactorum		106050
99943	99986	100003	Polybothrus (Parapolybothrus) n sgen			Choristoneura fumiferana		64180
18483*	27565a*	27623a*	Polybutenes	4849	27096a	Culex tarsalis		105798
37641*	37646*	37727*	68133		37195	Dendrolimus spectabilis		32975
58336*	58343*	58348*	Polycarpon		27615a	Diparopsis watersi		105916*
68508*	68553*	78095*	Polycarpon tetraphyllum		36882*	Galleria mellonella		33391
89133*	99903*		Polychloropinene	94167*	105096*	Hemerocampa pseudotsugata		32910
proteins		78913	Polychrosis botrana SEE Lobesia			33419		23392*
research methods			botrana			Himera pennaria		64212
statistical		94539*	Polycorene		57706*	Lambdina fiscellaria lugubrosa		64212
storage	1263	8621	Polycrates		95245	Lambdina fiscellaria somniaria		64243
18652	38416	48034	Polycytenidae		33279*	Lepidoptera	53493	105923
89760	105433	38473*	Polycythemia vera SEE Erythremia			Malacosoma		95526
substitutes		105471	Polydactylism		82510*	Malacosoma alpicolum		105919
surveys	8545	36611	Polydesmida		83784	Malacosoma disstria		95526
vacuum-drying		9877	Polydesmus collaris collaris	14442	63849	Neodiprion swainei		94484
viability	9793	9877	Polyelectrolyte soil conditioners SEE			Plusia chalcites		64202*
18888	58541	89760	Soils, conditioners			Portetria dispar		32917
100530	1126*	9710*	Polyembryony	694	18629	Prodenia		95505
78711*	89532*	100188*	78106	9428*	91587*	Prodenia litura		53481
SEE ALSO UNDER names of plants			Polyenes	59090*	52256	Sericesthis pruinosa		105679
Pollen studies	17504	26789a	6615	16266	16267	Spilonota ocellana		23303
57435	57482	17501*	51106	74467	43805*	Tipula paludosa		95113
77206*	88168*		Polyethylene			Trichiocampus viminalis		105898
Africa		26758a*	in dairy industry		34364*	Trichiocampus irregularis		105898
Alaska	67705	98722	in drainage and irrigation		80588*	Trichoplusia ni	33403	95446
Arizona		26	in feed storage	54030	54247	95450		
Australia		67738	in fertilizer storage		54247	Polyimines SEE Imines		60208
Belgium		57462*	in food industry	6152	25505*	Polymerases		
bibliographies		57478	25506*	34811*	54250*			
Canada	17537	57501						
Colorado		572						

\*Text of this reference is not in English.



Item				Item				Item			
Polymers	6651	6682	7261	Polyphloidy-- Cont				Polyphloidy-- Cont			
11182	12358	21650	21704	Brassica		78175		Riccia fluitans		89074	
21717	25122	25148	25185	Brassica oleracea	37873	49340*		rice		27603a*	
25272	26026	26126	26211	Briza		17655*		rye	759	9601	19560
35186	51334	52683	54846	buckwheat		100552*			78303	44955*	68656*
66062	66131	75122	85576	bush redpeppers		18755*			89142*		78311*
85608	86379	86388	96757	Candida		9443*		sesame			38890*
107115	107139	7257*	20383*	Carica monoica		78190*		Solanum	18702	18742	18769
24965*	25230*	25489*	26208*	Castanea sativa		58292*			78256		
49622*	50331*	55640*	77691*	castorbeans		78287		Solanum nigrum		58463	9427*
94003*	97062*	97138*		Centaurea jacea		18541*		Solanum phureja			47922*
conferences and congresses		26212		coffee		37807		Solanum stenotomum			46828*
17294*				corn	857	27726		sorghum	774	9505	37899
reviews		55758		cotton	37619	47807*			58386	68647	
Polymethylene		34584		crimson clover	812	38807	47898	soybeans			9522
Polymnia		77422		Cyathus stercoreus			47866*	Sphaerocarpus donnellii			18655*
Polymorphism				Cymbidium			47764	sugar beets	826*	19711*	19713*
Aedes stimulans		33220		Dactylis glomerata			27567a		47718*	58330*	68705*
aphids		14744		Datura stramonium			89240*		79383*		78157*
Chrysanthemum		47790		Dichanthium	27489a		37753*	Tagetes patula			796
Doclostaurus kraussi		53537*		Dictyostelium discoideum			99861	tobacco	9608	68533*	101088*
Drosophila	14611	14637	105729	Echinochloa crusgalli			27768	tomatoes	9954	27734	58446
Drosophila euronotus		53357		Egyptian clover			19677		70020*		
Drosophila kikkawai		83937		Ephedra foliata			68610*	trees		102668	102669
Drosophila melanogaster		5339		Eremopyrum distans			27538a	Trifolium			27461a*
33181	43097	53348	105784	Eremopyrum triticeum			27759	Tripsacum			27726
Drosophila nigromaculata		5328		Festuca elatior			27759	Trifolium	9480		18731*
grasshoppers and locusts		14920		forage plants			27678*	Triticum zhukovskiyi			100084
Hymenoptera		14826		Gilia			78236	vegetables			68625*
insects	14366	14394	23532	Ginkgo biloba			68627	watermelons		18767*	9472*
conferences and congresses				grapes	9524	37848	89230	wheat	656	819	834
Ips confusus		33116		Grindelia			19892*		18680	18692	18724
Ischnura damula		53570		guar		9530	37838		19560	27722	18729
Mermithidae		14358*		Hepaticae			68594		100075	841*	27465a*
Moraba scurra		53518		Hibiscus diversifolius			89074		78285*	78311*	89142*
mosquitoes		53368		Hibiscus mutabilis			832	white clover			78867
Mucor		99825		Hibiscus palustris			58420	winter rape			37873
Papilio		14892		Hordeum murinum			58420	yeasts	813	18751	100050*
plants	27544	678*	58360*	Hyoscyamus muticus			58444	Zebrina pendula			37804
68643*				Hyoscyamus niger			78300	Polypodiaceae	625	18612	58239
Simulium vittatum		33182		Lobelia			78299	Polypodium	673	58313	78091*
termites		23969*		Lolium	798*		99836	Polypodium aureum			744
Polymorphus minutus		104329		Lotus			848*	Polypodium dispersum			18528
Polymyxa graminis		18075		lupine			58435	Polypodium squalidum			17816*
Polymyxin		93323*		Matricaria chamomilla			9627*	Polypodium vulgare	28245*		88425*
Polyneuropathy		83161		Medicago dzhawakhetica			47866*	Polyporaceae	195*	57708*	57709*
Polynosic fibers SEE Cellulose fibers				Medicago saxatilis			27670	Polyporus			46991*
Polyols	19386	74634*		Mentha arvensis piperascens			670	Polyporus amarus			8982*
Polyommatus icarus		14877		Mentha piperita			27773	Polyporus anceps			71431
Polypeptides SEE Peptides				Morus	101595	1278*	68573	Polyporus betulinus			53148
Polyphagus		88523		27613a*	78321*		9543*	Polyporus brumalis	89775		46991*
Polyphagus asymmetricus		99133*		Morus nigra			5017*	Polyporus circinatus			8860
Polyphagus fominii		99133*		muskmelons			89179*	Polyporus giganteus			78912
Polyphemus moth SEE Antheraea				Nicotiana	791	27753	78370	Polyporus oleaea			27089a
polyphemus				47915*				Polyporus schweinitzii			19124*
Polyphenoloxidases SEE Phenolases				oats	27676	27677	47891	Polyporus sulphureus			19180*
Polyphenols SEE Phenols				58380	89147	89193	99818	Polyporus versicolor	2927		71431
Polyphosphates SEE Phosphates				okra			18732*		61371*		
Polyphylla		83853*		onions	27506a	68579	78178	Polyporus zonalis			8824
Polyplax praecisa		14960			89115			Polypropylene			20314
Polyplax spinulosa		32706		Oryza			78276	Polyram			37289
Polypodium megalophyllum		98997*		peanuts			846	Polyrhachis			33303
Polypodium truncorum		98998*		pearlmillet			99919	Polysaccharides			
Polyphloidy				peas			37883	in algae	19350	89816	89902
Agropyron		18644		Pennisetum ciliare			68537		100657		
alfalfa	18693	18737	27670	Pennisetum purpureum			99919	in Anacystis nidulans			19341
58372	89153	37837*		Plantago coronopus			37682*	in Ascochyllum nodosum			89863
Alsike clover		27551a		plants	676	760	9466	in bacteria	2225		101785
Althaea officinalis		2073*			9562	9565	17607	in bark			103034
Amaranthaceae		58432			78254	99816	53*	in Bombyx mori	42841		105496*
Angiospermae		100074			47800*	58374*	78266*	in cattle physiology			103784*
reviews		18570		conferences and congresses				in coffee			24620*
Aplopappus gracilis		89294						in corn			1342
animals		104153		Poophilus			9514*	in Dictyostelium discoideum			100702
apples	27593a	37841		Populus		48264	102731*	in eggs	93191*		104481*
Arabidopsis thaliana		37641*		potatoes	789	29032	89307	in Enteromorpha compressa			89903
Asclepias curassavica		9382			99965	100053	100077	in fungi			9640
Asplenium		99944			27721*	47922*	78245*	in grain			107476*
Avena		9626		Prunus salicina			47865	in gums and resins			91741
beets	37883	37781*		Pteridophyta			18612	in milk			103849*
bigseed falseflax		38880*		radishes	1226*	47866*	49340*	in mouse physiology			104196*
bird rape		37873			49384*			in Orchidaceae			38530*
birdsfood deervetch		100068		rape			37883	in plants	1373		100323*
Bombyx mandarina		42835*		Rauwolfia serpentina			37789	in pollen			10166
Bombyx mori		42835*		red clover	14328	27710	90204	in Polyporus giganteus			78912
Bothriochloa		27489a			4955*	19629*	27684*	in pulp and paper			41020
Bracon serinopae		43199		Rhinanthus serotinus			58852*	in rat physiology			4008
							58353*	in seaweed			7558

\*Text of this reference is not in English.

	Item				Item				Item		
Polysaccharides-- Cont				Ponds-- Cont				Population-- Cont			
in soils	11169	11336	80079	Ohio			54062	migration--cont			
80096				SEE ALSO Farm fishponds				France			16962*
in strawberries			65461	Ponerinae	95290	95362		Germany			86776*
in sugars			7511	Pongamia glabra SEE Pongamia pinnata				Ghana			36032
in Ulva lactuca			89903	Pongamia pinnata		58294		history			108636
in wood	21653		51319	Ponies SEE Horses, pony				Hungary			76549*
reviews			54283	Pontania pacifica		73747		Indiana			27032
Polysiphonia			67922	Pontia daplidice		73813		Iowa	8047	36015	98082
Polysiphonia gopnathensis			183	Pools				Kentucky	56728	76085	108807
Polysiphonia urceolata			58609	barley		75374		Massachusetts			98093
Polysphincta			95348*	eggs	16365	66116*		Missouri			87345
Polysphondylium pallidum			38132	fruit		34722		North Central States			56716
100262				grain		25680*		rural-urban		46057	46058
Polysphondylium violaceum			19148	oats		75374		56725	76094		
Polystachya			88398	olive oil		26040*		Belgium			27035*
Polystachya virginica			39264	wheat	25723	34933	44824	Canada			7851
Polystepha			83968*	75374				Colorado			76550
Polystichum aculeatum			38507*	wool		54747		Europe			46060*
Polystichum filixmas			48539*	SEE ALSO Garden pools				Finland			76557*
Polystictus versicolor			9518*	Poophilus		95235		France	45706*		76556*
Polystigma rubrum	37384*	100512*		Popcorn	6894	59142	69415	87359*			
Polystyrenes SEE Styrene polymers				Popillia japonica				Germany			26559*
Polysulfides SEE Sulfides				Albania		94852*		Hungary			98086
Polytaenium			77433	control		23108		India			86770
Polythene SEE Polyethylene				chemical	42605	52741	63436	Iowa	8047	67067	108635
Polytoma			667	Europe		63410*		Italy	46056*	53995*	53996*
Polytomella caeca			100610	tests		23101		67065*	76556*		91233*
Polytoxus			73732*	diseases	33435	53288	94943	Michigan			8051
Polytremis minuta			95385	food and host plants		23198		Minnesota			87352
Polytrichaceae			715	habits and behavior		42605		Mississippi			56729
Polytrichum			27437*	illustrations		23108		Netherlands			46052*
Polytrichum commune	46949	78068		mortality		33435		Norway			27040*
78835				Poplar SEE Populus				Poland	27039*		36016*
Polytrichum urnigerum			46949	Poplar-and-willow borer SEE Ster-				Sweden			60828*
Polyvinyl acetate	102942	2972*		nochetus lapathi				Switzerland			87366*
12339*	30610*	81464*		Poplar borer SEE Saperda calcarata				USSR	46053	108637	
Polyvinyl alcohol SEE Vinyl alcohol				Popowia		8715*		Senegal			108650*
Polyvinyl chloride	12343*	50324*		Poppy SEE Papaver				Spain			36013*
54249*	57181*	84949*	102152*	Population	36034	46065	46068	Texas			67069
in entomological research			64115	67070	86853*			urban-rural			108641
in forestry			102596*	and food supply		5973	5976	Minnesota			8050
Polyvinylpyrrolidone	104537	82452*		5977	5982	5984	24310	Mississippi			36014
82717*	104536*			24335	24342	33950	33954	mortality			27033
Polyxenella n g			23568	33972	33975	33976	35716	mountain areas	56717*	108638*	
Polyxenella krishnani			23568	36329	43878	43879	54071	108639*			
Polyxenellidae n fam			23568	66664	84764	96089	106547	Mozambique			36045*
Polyxenida			33055	106553	5988*	5990*	5991*	Netherlands			46059*
Pomace SEE SUBHEAD pulp UNDER				15367*	33962*	43875*	54083*	New Jersey			108640
names of fruit				106551*	106552*	107591*		New York	60271	108640	
Pomegranates	49060	89814	1745*	Africa			55415	North Carolina	8048	27036	
36894*				China			76147	Oklahoma	27045	36024	
Pomelos SEE Pummelos				developing areas			74292	Pennsylvania			108640
Pompilidae				Europe			43887	Peru			98019*
collections			95364*	Far East			33968	Poland	56726	66520	27060*
Cyprus			105909*	India			107507	policies and programs			56720*
Europe			95365*	Peru			16715*	Republic of South Africa			87346
Greece			14843*	Argentina			87347*	research methods			
Nearctic Region			5479	Austria			108639*	statistical	108640	87349*	
nest			95333*	Belgium	27046*	35526*		98085*			
Palaearctic Region			95363*	Brazil		27313*		situation and outlook		8032	27042
Rumania			14818*	Canada		108655		56723	87344	66635*	
Spain			14810*	Connecticut	17075	27041	27042	France			87349*
taxonomy	14844*	84110*	95341*	108641				Mississippi			56732
95364*				Denmark			56722*	reviews			46062*
types			5446	desert areas			56024	Southern States	46069		56731
Pompiloidea			33323	developing areas			87195	Southern States			27034
Pompilus			95341*	Europe			46060*	Spain			97545*
Poncetia SEE Bireta (Poncetia)				fertility	27033	27042	36021	statistics	15682	27030	27038
Poncirus trifoliata SEE Trifoliata				27047*	56721*			108643			
oranges				Finland		67068*	98084*	Belgium			108234*
Pond pine SEE Pinus serotina				France	8049*	16610*	41839*	Connecticut	76559		108642
Ponderosa pine SEE Pinus ponderosa				98085*				Costa Rica			76547*
Ponds	73921	84744	22716*	Georgia			16273	Czechoslovakia			27047*
and insects			14003	Germany	17007*	87284*	163175*	Finland	46054*	46055*	76548*
construction			64518	108639*				France			76555*
73688	104944			history	27030	17068*	76552*	Germany			
Australia			24149	Hong Kong			45454	East Germany			56719*
Missouri			5642	India	27033	36026	56724	India	76551		87350
New Zealand			98421	Ireland			46061*	Luxembourg			36020*
equipment			15011	Italy	56717*	98088*	108031*	Massachusetts	98083		98092
Great Britain	102159			108634*	108638*			89093			
Illinois			64297	Japan		56223*	76553*	Missouri			67066
Iowa			73924	Latin America			27048*	New England States			67071
maintenance and repair			40273*	migration				North Central States			56716
management	21371*		23975*	bibliographies			56715	Norway	27037*		76554*
New England States			12378	Connecticut			108642	Panama			87351*
New York			73913	Europe			46051*	Pennsylvania			87348

\*Text of this reference is not in English.



Item			Item			Item		
Population-- Cont			Populus-- Cont			Populus euroamericana-- Cont		
statistics--cont			measurement 21146*			introduction 30384*		
Sweden		36023*	morphology 27610a	30395*	68566*	pest control		105355*
Switzerland	8052*	17009*	89081*			planting		50892*
27043*	27044*	46066*	mortality		21182	propagation	12093*	61155*
56730*	67072*	67073*	pest control 23380*	23396*	73331*	wood		40939*
98090*			94453*	105375*		yields		50892*
Tennessee		27031	pest control equipment		83533*	Populus grandidentata	1396	28360
Texas		46064	pest resistance		71277*	29149	47614	81525
Turkey		87353*	pests 73299	42756*--42759*	42761*	Populus marilandica SEE Populus		
USSR	76558	36019*	42762*	42763*	53053*	canadensis marilandica		
56727*	76560*	36022*	Belgium		42780*	Populus monilifera SEE Populus del-		
Virginia		56718	California		14288	toides		
Yugoslavia		56733*	Czechoslovakia		23388*	Populus nigra	18169*	51366*
Switzerland		87366*	France		105365*	102776*		102545*
USSR		46053	Great Britain	53380	95253	Populus nigra pubescens		98935
United Arab Republic		46050	Italy	23379*	83561*	Populus nigra pyramidalis SEE Populus		
Western States		56024	Japan		83564*	nigra thevestina		
Wisconsin		36018	Mississippi		73315	Populus nigra thevestina	98935	84042*
Yugoslavia		108639*	Netherlands	23382*	42780*	Populus robusta	9839*	61155*
SEE ALSO Immigration			Switzerland		73313*	105355*		91552*
Populus			planting	29653	71289	Populus tremula		
anatomy and physiology		48264	Bulgaria		12140*	abnormalities	102723	18560*
68855	71239	91614	Germany		88587*	18636*		
18638*	19213*	48013*	Italy		50923*	anatomy and physiology	9785*	38218*
58083*	58917*	61083*	Netherlands		61149*	breeding	21265*	40668*
89746*	91562*	105355*	Yugoslavia		81133*	102626*		
bacterial diseases	18255*	68170*	propagation 21322*	30395*	81160*	flowering date		71260*
bark		30395*	91601*			fungus diseases		27195a*
breeding	102617	91585*	by cuttings 12080	21285*	21312*	growth		50876*
Australia		91525	38012*	48013*	50827*	Italy		71592
Belgium		91586*	81099*	91607*		morphology		37684*
Italy		50911*	mist humidification		61108*	pests		105390*
Poland	50890*	91605*	propagation equipment		50827*	propagation	71255*	91603*
Spain		102699*	pruning		40613	soils		50876*
control 30305	90662	102573*	pulpwood	51271	91733	wood 71592	30705*	30737*
costs and returns		50628*	21446*	61440*	81501*	Populus tremuloides		
culture		81017*	release cutting		102555	age	88156	88158
Australia		91525	seeds 102708	81115*	91562*	anatomy and physiology	1215	48199
Belgium 71148*	71149*	81016*	102700*			38218*		
Czechoslovakia		2775*	seedlings		102617	control		29149
Germany 12014*	21191*	21195*	sites 61026*	61040*	91599*	culture		21194*
21204*	91514*	91532*	soils			extractives		12400
East Germany	2757*	2776*	Germany		91517*	fungus diseases	37761	77720
12031*			Hungary	21207*	49815*	99372		
Great Britain	61031	91519	Poland		61040*	growth	50662	50663
102536			Yugoslavia		81133*	measurement 12005	50662	50663
Hungary	12023*	21207*	thinning 40556*	71184*	102576*	morphology		99951
Italy	30306*	40594*	USSR	20020*	21109*	pests	4915	14288
50628*	91527*		varieties		81099*	64112	105356	42771
Netherlands		88623*	Germany 21322*	61066*	91532*	pulpwood		21626
Poland		61012*	Poland		61012*	wood 21713*	81525*	102907*
Rumania		2770*	USSR	71268*	71277*	Populus trichocarpa	10117*	12080*
USSR	91530*	102556*	virus diseases		37465*	69254*		
Yugoslavia	12022*	30308*	weed control 102580	102571*	102585*	Porcellio dilatatus	23558	63876*
cytology		89081*	wood 12267	51360	71455	63877*	83792*	94751*
disease resistance	18168*	88693*	12287*	12288*	12428*	Porcellio hoffmannseggii sordidus		53210*
diseases		88623*	30748*	40911*	41121*	Porcellio laevis		5098*
drought resistance		28223	71458*	71591*	81500*	Porcellio scaber	42923	73516
ecology		536	91778*		91699*	53231*		23574*
fertilizers		61083*	yields		40556*	Porcellio tortonesei		33047*
Germany	61066*	81115*	Populus alba 81694	12291*	102626*	Porcupines		21333
East Germany		48389*	Populus balsamifera	58035	67849*	Porfiria SEE Mammillaria		
Hungary		49815*	Populus canadensis	94455	95057*	Poria	8893	26950a
Tennessee		21213	102629*			Poria vaporaria	51351	10249*
fungus diseases	9082	47200	Populus canadensis marilandica		51351	12287*		12263*
47210	58033	99277	12263*	12287*	12448*	Porina	9143	37293
9063*	47239*	88693*	Populus canadensis regenerata		12303*	Pork		
Belgium		77831*	Populus canescens	12291*	71255*	analysis and composition		7160
control 27183*	47425*	68170*	Populus deltoides			13075	25843	25844
Czechoslovakia		9074*	anatomy and physiology		99915	25864	25866	25874
Italy		18168*	breeding		61126	86129	107593	7123*
Netherlands	77735*	57964*	fungus diseases	9150	99333	bacteria	7217	45028
Rumania		398*	genetics		47869	55509	7131*	35022*
Yugoslavia		9084*	planting		61128	45015	45028	55456
genetics	50911*	102730*	weed control		91540	87811		
growth	21182	21213	Populus deltoides monilifera SEE			color	75544	4574*
61008	48336*	91599*	Populus deltoides		102684*	35116*	52657*	63197*
hybrids	12080	21182	Populus euphratica			104749*		
71289	81170	98935	Populus euroamericana		61155*	consumer preferences	16211	86170
102708	71148*	81500*	anatomy and physiology		58053*	45077*	63357*	
91605*		89523*	bacterial diseases		71151*	consumption		35042
identification		26860a*	culture 2771*	30384*	58053*	containers		55509
injuries	47117*	71315*	disease resistance		82775*	contamination	45029	75657
introduction	81170	102700*	feed	965*	50892*	93844*		86249
irrigation		81046*	growth		71148*	cookery	25991	55546
Italy		11935*	hybrids					45020*

\*Text of this reference is not in English.

Item				Item				Item			
Pork-- Cont				Porthetria dispar				Potassium-- Cont			
costs and returns	26905	104937		anatomy and physiology	64231*			effects on fruit		1029*	
82889*				73830* 83129*	84194*			effects on flax		100288*	
curing	7217	35116*		communication	43198			effects on grapes	1012*	38014*	
cuts	32396 86170	23000*	32410*	control	42752 53038	83541		effects on Lolium perenne		10120	
45065*	55498*			63686* 105377*				effects on Lolium temulentum		668	
defects	86169	32455*	75593*	diseases	32917	63686*		effects on Mathiola incana		48391	
Denmark			97134*	eggs		53470		effects on olives		38035*	
enzymes			65829	embryos		53488		effects on peas		78508	
fat	16206 25876	45015	55550	food and host plants		53492*		effects on peanuts	102056	89537*	
55551 73001	55459*			host plant relations		64199*		effects on Pinus radiata		61065	
adulteration		107606*		larvae	53488	53492*		effects on plant disease		68129	
analysis and composition		86135		New England States		4922		77723			
107606*				Northern States		63727		effects on plants	1425	2368	
oxidation		35021		nutrition		14883*		9979 49758	58569	58676	
flavor and odor	7217	25942		outbreaks		73043*		18880* 27847*	28270*	38061*	
25991 32368	63197*			overwintering		73830*		38267* 58945*	69150*	78855*	
France		42335*		oviposition		84152*		reviews		58671	
freeze-dried		55453		parasites	33359*	84178*	105868*	effects on potatoes	1025	27913	
frozen	55507	55522		rearing and breeding		84184*		78817 9686*	68759*		
grading and standardization		35077		Rumania		88781*		effects on pumpkins		19222*	
55498* 97127*				Turkey		83530*		effects on red clover		38411*	
hydrogen-ion concentration		45015		Yugoslavia	32905 32917	94459*		effects on rice	38466	9898*	
55448 55453	75558	35008*		Portulaca		67875		effects on Rosa		19015	
107602*				Portulaca grandiflora		100216*		effects on soybeans		78384	
industry	75529	7151*		Portulaca oleracea		63208*		effects on sugar beets		9730*	
irradiated	55550	55551		Portulaca smalli		27862		effects on sugarcane		19052*	
judging	16206	25942		Posthitis		13695		effects on sunflowers		68759*	
keeping quality		71686		Posts SEE Poles; Fence posts				effects on tobacco		9742	
marketing				Postsalebria n g		95431*		effects on tomatoes	1349	37405	
Alabama		35047		Potamocharis		42969*		58652 38375*	78798*		
European Economic Community		16222*		Potamogethes n g		42969*		effects on Tulipa		100152	
		97111*		Potamogeton		11046		effects on turkeys		31867	
Finland		35054*		Potamogeton pectinatus		68774		effects on wheat	28198*	78768*	
France		45049*		Potamogeton polygonifolius		79806*		effects on Zebrina pendula		19173*	
Italy		7151*		Potamogeton trichoides		57628*		fertilizers	21011 50403	50414	
Japan		65861*		Potamolates n g		42969*		60785 80341	80761	20731*	
Sierra Leone		65877		Potash				30056* 33740*	50083*	80356*	
Southeastern States		35008*		fertilizers	11843 49960	50419		African oilpalm		60516	
moisture	25887 45015			alfalfa		40020*		alfalfa	2385	70653	
55459*				Canada		2631		101995 40020*			
reviews		52659		clover		40020*		Anemone coronaria		58624	
oxidation		55507		cotton	11501	20669		apples		80311	
policies and programs	35054*	107555*		eggplant		102009		Austria		101720*	
prices	55512 107654	16236*		forage plants	18976	70656		bananas		60430*	
35081*				France		21026*		beans		40037	
processing	55448 75657	45077*		grain	39915*	40062*		beets		70550*	
65861*	86231*			grapefruit		38415		Bromus inermis		29736	
products	35042 45023	7131*		Great Britain		11510		Bulgaria		40016*	
35116*	65937*			jute		60496*		cacao		40023	
properties	25887 45015	55448		lemons		100194		Carya illinoensis		49955	
proteins	25865 25874	25880		New Mexico		2631		cherries		77963	
55453 75544				Pakistan		50744		citrus	11577	39902	
quality	7160 22930	25948		potatoes	11589 20683	60333		clover	40020*	101968*	
31512 32368	35077	52665		101965 38430*	70503*			conferences and congresses		40047**	
55470 55546	72971	86176		root crops		39915*		corn	2314 20722	29718	
4574* 22889*	23000*	32379*		soybeans		101929		40069 60325	60365	91138	
32553* 32567*	42296*	52545*		sugar beets		80352		11601* 29662*			
52672* 72940*	93765*	93890*		sugarcane	40063 48152	11450*		cotton		2407	
104939* 104949*				tobacco	60437 60438	30408*		cucumbers		60478	
conferences and congresses	7161*			in soils	20456 70290	78744		Dactylis	2385	101995	
refrigeration	25849			Australia		10067		Denmark		20664*	
regulation and inspection-	25929*			Indiana		90891		Dianthus		29669*	
35074* 75602*	93844*			New Zealand		100459		field crops	9747 20608	60370	
salted		86249		industry		91370*		2389* 2402*	11528*	11597*	
situation and outlook	16193*	23016*		statistics		21026		50031*	20677	102014*	
spoilage		35022*		Potash alum SEE Aluminum potassium				forage plants		60324	
trade				sulfate				fruit	11564*	50004*	70624*
Denmark		108849*		Potassium		894 47950*		Germany		80284*	
transportation		25907*		effects on alfalfa		58878		grain	91164 11547*	39973*	
vitamins		87811		effects on apples	894	48307*		101997*		2391*	
Porphyra	89094	100495*		effects on Aspergillus niger	38069	58662		grasses	2368 60313*	70576*	
Porphyra atropurpurea		9449		effects on Avena		68759*		Hevea brasiliensis		80268	
Porphyra tenera	89821	58783*		effects on Aztec tobacco		28159*		Iris tingitana		27917	
Porphyra umbilicalis		89951		effects on barley	78621			Italy		80363*	
Porphyria	72306 103511	104050		38021*				jute		80252	
41666*				effects on beans		78464*		legumes		2368	
Porphyridium aeruginum		642		effects on beets		9405*		lupine		70647*	
Porphyridium cruentum	78792	78945		effects on cacao		18824		okra		60513	
89546 100638				effects on citrus		100182		onions		39919*	
anatomy and physiology	9830	58732		effects on corn	898	9405*		oranges	19031	100164*	
biochemistry		78938		9731* 78556*				Pakistan		29677	
Porphyris	1409 103511	1418*		effects on Cryptomeria japonica		38081*		pastures and meadows		22788	
100417*				effects on Drosophila melanogaster		668		70540 60497*	78744*	91049*	
Porphyrophora		64098*						peanuts		102056	
Porphyrosela		33445						pineapples		60428*	
Portanus		95210									

\*Text of this reference is not in English.  
 \*\*Text of this reference partially in English.



Item				Item				Item			
Potassium-- Cont				Potassium-- Cont				Potato starch			
fertilizers--cont				in soils--cont				1109* 18972* 79685*			
Pinus resinosa				39686* 39696* 39796* 39978*				79732*			
Poa				40042* 49690* 60110* 60211*				analysis and composition			
Polianthes tuberosa				68970* 70335* 70416* 90871*				18903* 25373* 85728*			
potatoes 9872 20661				90872* 91130* 101694*				chemistry			
39936 39995 68784				Austria				drying equipment			
102052 11505* 11521*				Canada				irradiation			
radishes				France				manufacture			
Ranunculus asiaticus				Germany				107379*			
rhubarb				East Germany				properties			
rice				Hawaii				situation and outlook			
root crops				Hungary				tests			
Rumania				India				waste			
soybeans 60445 101929				Indiana				75412*			
100532*				Israel				Potato stem borer SEE Hydroecia mica-			
spinach				Japan				cea			
strawberries				Louisiana				Potato tuberworm SEE Gnorimoschema			
sugar beets				New Jersey				operculellum			
29712* 60541* 80337*				Republic of South Africa				Potatoes			
101996*				Rumania				abnormalities			
sugarcane 50034 50069				Spain				99840			
sunflowers				Tennessee				acreage and area			
sweetpotatoes				Turkey				34749 55064 55215 65639			
taro				USSR				107291 65386* 75357* 107413*			
tea				Yugoslavia				legislation			
tobacco				in Sorghum vulgare sudanense				advertising			
tomatoes 58652 60478				in sugarcane				55053*			
trees				in sunflowers				advisory services			
turf				in swine nutrition				analysis and composition			
vegetables				in swine physiology				6764 6898 25343 25346			
80319* 91093*				22957 52636*				25359 25465 34692 34705			
wheat				in wheat				54984 54985 54986 54987			
fixation				in wine				65455 70552 7446* 18903*			
11291* 39725* 39745*				synergism				18972* 65433* 85723* 85741*			
in bananas				Potassium arsenite				85802 107248*			
in barley				Potassium bicarbonate				anatomy and physiology			
100669*				89516*				955 1025 1058 1236			
in beans				Potassium bromide				9675 9791 9857 9872			
in Blastocladiella				Potassium carbonate				9875 9960 10013 10054			
in blood				Potassium chlorate				10076 10152 19072 27599a			
13682 31680				68934* 71185*				27600a 27913 28213 37947			
32227 32261 3580* 4405*				Potassium chloride				38134 38281 48419 58079			
13864* 42137* 72518*				fertilizers 70535 70579 80346*				58516 58673 58725 68701			
92574*				89659*				68702 68709 68717 68756			
in broccoli				in barley				68760 68766 68784 68791			
in Bromus				in cattle nutrition				68877 68890 68905 68917			
in Carya illinoensis				in semen dilution				68938 68964 68986 69012			
in cattle nutrition				Potassium ferrocyanide				69025 69057 69063 69091			
in cattle physiology				74663* 38099 100416				69094 69126 78216 78817			
in cherries				Potassium gibberellate				89494 89722 100132 100179			
in Chlorella				Potassium hydroxide				100214 100280 100416 410*			
in clover				19049 51245				1021* 1109* 8357* 9685*			
in corn				Potassium iodide				9686* 9737* 9744* 9797*			
in dog physiology				72590*				9922* 9981* 10140* 19104*			
72407* 72409*				Potassium levopropylcillin				19232* 27988* 28062* 37986*			
in fertilizers				Potassium metaphosphate				38122* 38169* 38195* 38338*			
in fish				80346*				38358* 38394* 44805* 47966*			
in flax				Potassium nitrate				48269* 48303* 48470* 58757*			
in food				11839 80421				58787* 58882* 58942* 63676*			
in forage plants				70602*				68759* 68943* 68947* 69088*			
in grapes				effects on sheep				70122* 78339* 78352* 78441*			
in grasses				in fertilizers				78502* 78559* 78616* 78649*			
in guinea pig physiology				in soils				78690* 78704* 78734* 78753*			
in human nutrition				toxicity				78850* 89214* 89449* 89522*			
in Hyalophora cecropis				Potassium penicillin G SEE Benzylpeni-				89652* 89659* 89686* 99397*			
in lemons				cillin potassium				99706* 100275* 100388* 100441*			
in meat				Potassium permanganate				100457* 100485* 100486*			
in musts				18071* 62764*				bacterial diseases			
in Nitella translucens				Potassium 6-(1(-)-alpha-phenoxy-n-				58048 58051 77867 37394*			
in oats				butyramido)-penicillinate SEE Potassi-				103126*			
in peas				um levopropylcillin				Canada			
in plants				Potassium phosphate				Colombia			
848* 10030* 38211* 47631*				49763* 60180*				control			
58868*				60747 14307*				India			
in rat nutrition				90556* 90871* 91376*				18248 37407			
in rice				Potassium sorbate				reviews			
in ruminant nutrition				16244 85738				Rumania			
in sheep nutrition				Potassium sulfate				Sweden			
in sheep physiology				70535 80346*				biochemistry			
in Shorea robusta				Potassium tartrate				19374 28338 37453 48509			
in soils				85124* 92073*				68229 68756 69245 69279			
11236 20420 20433 20441				Potassium tellurite				69310 100670 10156* 38589*			
20443 38475 48125 49754				Potato aphid SEE Macrosiphum euphor-				38616* 38627* 59071* 79682*			
49758 60114 60115 60175				biae				breeding			
60292 68129 68727 80001				Potato chips				49306 69972 79715 18782*			
80061 80078 89758 101754				chemistry				49294* 49344* 59889* 90535*			
101773 2375* 10030* 11250*				discoloration				Austria			
20462* 20464* 38211* 39685*				flavor and odor				70016*			
				frozen							
				manufacture							
				quality							
				storage							
				Potato flea beetle SEE Epitrix cucumeris							
				Potato flour							
				Potato leafhopper SEE Empoasca fabae							

	Item			Item			Item	
Potatoes-- Cont			Potatoes-- Cont			Potatoes-- Cont		
breeding--cont			culture--cont			feed--cont		
Canada	59814	49285*	Norway	59807*		Germany	63217*	81672*
Germany	39408*	47505*	Oregon	90562		108527*		82943*
78245*			Pakistan	101447		East Germany		11672*
East Germany	20178*	90577*	Poland	10982*	10984*	fertilizers	9872	11554
101400*			39397*	59106*	59781*	69091	70549	70573
India		90522	88779*			11521*	11547*	18903*
Lithuania		49324*	research methods			37212*	63535*	78352*
Netherlands	20190*	83364*	statistical	10908*		100275*		
90585*			Rumania	2468*	11651*	Alabama		29833
Poland	10909*	59869*	Sweden	20126*	29039*	Austria		39980*
79713*	79732*	79745*	49310*	49325*	59807*	Brazil	11463*	11464*
research methods			79729*	79730*		Bulgaria		38169*
statistical	59817*		terminology	10902*		California		50075
Sweden	79739	79541*	Thailand	79699*		Canada		11574
USSR	29042*	29100*	USSR	10932*	20107*	Florida		2365
90504*			20148*	29044*	29073*	France		50082*
care and handling	15971	85790	39369*	70705*	90527*	Germany	2313*	9859*
85833			101421*			70597*	80418*	91048*
California		55210	Virginia	20169	20631	East Germany		50141*
New Jersey		90494	cytology		99965	Great Britain		11456
Northern Ireland		25484	damage	85790	75263*	39967	70655	20625
Sweden		75263*	decontamination		55189	Hungary	20676*	29696*
care and handling equipment		5767	defects	10149	89494	94298*		40029*
15337*			reviews	107348		Idaho		20591
chemistry	34830	44730	defoliation SEE Potatoes, vines, kill-			India	11532	20661
25351*	85712*	55083	ing			39936	101965	20123
cleaning	15938	25466	degenerative diseases	18879*		Ireland		70535
57794			19073*	37133*	48463*	Israel		39995
collecting and preserving		77344	79695*	89375*	100206*	Maine		29702
77351			discoloration		6813	Netherlands		60333
conferences and congresses		55020	44688	44706	55086	60569*		
65422	90545	70010*	55103	6879*		Norway		70485*
consumer preferences		34715	disease resistance	18323	18695	Pakistan		101902*
consumption	15938	34718	20130	20683	39382	Pennsylvania		37947
96817*		55213	49375	58464	70019	Poland	11628*	60468
Canada		55019	100053	27004a*	37282*	50030*	50072*	50012*
Europe		54964*	47231*	57870*	77747*	Sweden	2322*	70554*
European Economic Community			77917*	77937*	88855*	102005*		
		65654*	90561*	99397*	99706*	USSR	11445*	11511*
Poland		65402*	101400*			11608*	29767*	11549*
containers		75284*	Canada		49285*	50120*	50182*	29825*
contamination	1104	25343	China		99481	70608*	78704*	60342*
44700	65539	84930	Denmark		101390*	80326*	80336*	60343*
14107*	23240*	85723*	Germany			Venezuela		80371*
cooked	16018	25451	East Germany	27145a*	99391*	Virginia		80371*
55093	55103	44706	Great Britain	27186a	69971	Washington		20631
cookery	34830	55037	Lithuania		49324*	flavor and odor		20683
cooperatives		15999	Poland		79653*	55095*	85740*	15993
costs and returns		45918*	Sweden		79739	for processing		107244*
Brazil		26945*	USSR		29100*	29045	39382	15971
Canada		15911	diseases			55083	58673	55041
Germany		56596*	Alaska		77515	55083	58673	59863
Michigan		76399	control	37044	57794	2313*	6879*	107309
Netherlands	66757*	66931*	Germany			fungus diseases		85858*
New York		87165	East Germany		68018*	9162	18695	25460
Poland		66939*	99168*			37319	37496	8998
USSR	66917*	75357*	Poland	47120	68038*	57876	57902	37229
culture	2471	20167	Virginia		18011	67942	68183	68220
49314	49317	55086	France		37103*	70575	99331	410*
59863	69977		New Zealand	68014	77618	27056a*	37212*	9744*
Alaska		9406	Pacific area		17987	47306*	57870*	37334*
Arctic Region		27988*	Southeast Asia		17987	88706*	99397*	47231*
Arizona		49354	dried	54977	15946*	flavor and odor		77643*
Australia		101396	feed	82095	32413*	nutritive value		99532*
California		49387	flavor and odor		54977	regulation and inspection		103126*
Canada	10910	70023	regulation and inspection		57129	storage		47270
Colombia		90508*	drought resistance		55079*	drying		99441
Czechoslovakia		20131*	drying	75324	37886	6877*	16005*	77841*
Denmark	101390*	101391*	6877*	16005*	85832	drying equipment		88840*
Finland	1973*	101450*	ecology			enzymes	6739	88811*
Germany	1986*	6879*	55015	68220	84552*	55015	68220	88811*
39411*	47979*	53697*	38589*	38627*	78042*	55015	68220	88811*
East Germany		74059*	equipment		34705	Great Britain		9060*
Great Britain	69971	70009	Germany	24076*	100644	99505*		
Hungary		59778*	East Germany			Great Britain	18074	68219
Iceland	59811*	101382*	Japan		15114*	Hungary		18135*
India	20123	20787	Netherlands		43442*	India		9030
39401	79644	102079	USSR		95799*	Netherlands	9027*	9053*
Ireland	10930	20172	farms		24083*	9797*	27203a*	57970*
Netherlands	10928*	60569*	feed	51410	84414*	57971*	88794*	
77968*	79667*		34464*	56594*	15068*	Norway		47250*
New Jersey		90494	65215*	82955*	5829*	77688*		57980*
New Zealand	70041	101422			61687*	Poland		88779*
Northeastern States		59918			63194*	Rhode Island		68215
Northern Ireland		90483			103126*			

\*Text of this reference is not in English.



Item				Item				Item			
Potatoes-- Cont				Potatoes-- Cont				Potatoes-- Cont			
fungus diseases--cont				harvesting equipment--cont				nematodes--cont			
control--cont				tests				control			
Scotland				USSR				68320*			
Spain				33707*				77972*			
Sweden				history				France			
37250*				Chiloe Island				Germany			
47257*				China				88947*			
77683*				Netherlands				East Germany			
77772*				Virginia				99701*			
99446*				hybrids				Great Britain			
Ecuador				18769				Netherlands			
Europe				49294*				77967*			
France				27097a*				Poland			
Germany				hydrogen-ion concentration				Scotland			
East Germany				industry				Sweden			
68214*				Canada				USSR			
88748*				Colorado				518*			
Great Britain				Eastern States				Denmark			
47229				European Economic Community				Europe			
99355				Germany				Germany			
India				44659*				East Germany			
25499				55053*				Great Britain			
99500				Greece				India			
Ireland				Idaho				Ireland			
9061				New Jersey				Mediterranean area			
Israel				Pennsylvania				Netherlands			
37328				Poland				Northern Ireland			
99481				54694				Peru			
Japan				USSR				Southeast Asia			
47369				vertical integration				surveys			
Mediterranean area				65390				Sweden			
Nebraska				Virginia				USSR			
414				injuries				nomenclature			
Pakistan				24099*				nutritional deficiencies			
99519				27025a*				nutritive value			
Poland				6897				57129			
37079*				55158*				6724*			
47350*				96907*				67464*			
99398*				irrigation				108951*			
18058*				Alabama				15971			
88801*				29919				peeling			
77718				60686				peeling equipment			
37133*				50227*				23272			
77747*				Hungary				23235*			
United Arab Republic				11721*				23240*			
Yugoslavia				Michigan				Australia			
44676				102256				Austria			
genetics				80541*				biological			
789				2516				83331*			
37886				USSR				Canada			
37892				50227*				chemical			
37910				Virginia				83330*			
47904*				judging				105113*			
Germany				keeping quality				Czechoslovakia			
East Germany				juices and sirups				Florida			
108465*				labor				Poland			
10042				losses				USSR			
11456				marketing				China			
15203*				65485				cultural			
58632*				65498				Czechoslovakia			
69024*				107291				Germany			
78468*				conferences and congresses				history			
grading and standardization				Florida				Hungary			
55082				Germany				India			
107278				44659*				Italy			
15984*				44667*				Maine			
24282*				107276				Netherlands			
85801*				Idaho				New York			
Idaho				6777				Peru			
6828				6778				Poland			
Norway				96836				USSR			
85792*				Ireland				China			
107310*				Japan				cultural			
85799*				Netherlands				Czechoslovakia			
grading and standardization equipment				New Jersey				Germany			
6823*				Norway				history			
15167*				Pennsylvania				Hungary			
25437*				Poland				India			
107297*				Spain				Italy			
Czechoslovakia				USSR				Maine			
53774				Virginia				Netherlands			
Germany				marketing quotas				New York			
44687*				mechanization				Peru			
15992*				Germany				Poland			
96901*				106196*				USSR			
15995*				East Germany				China			
44707*				Lithuania				cultural			
USSR				Poland				Czechoslovakia			
hardiness				morphology				Germany			
19160*				89157*				history			
44730				nematode resistance				Hungary			
59895*				88920				India			
Australia				88937				Italy			
Czechoslovakia				18408*				Maine			
Germany				20178*				Netherlands			
labor				88929*				New York			
24110*				88944*				Peru			
90494				9046				Poland			
Rumania				77718				USSR			
1982*				88920				China			
Sweden				88937				Colombia			
27025a*				9294*				ecology			
10924*				68315*				forecasting			
10924*				99706*				Great Britain			
20127				nematodes				identification			
49346				77718				India			
harvesting date				9294*				Italy			
1987*				88929*				Pacific area			
39398*				99706*				Poland			
100441*				99721*				47250*			
harvesting equipment				nematode resistance				47250*			
43593				88920				47250*			
Denmark				88937				47250*			
Germany				18408*				47250*			
5776*				20178*				47250*			
24076*				88929*				47250*			
24110*				9046				47250*			
95859*				77718				47250*			
106329*				88937				47250*			
5811*				9294*				47250*			
15133*				68315*				47250*			
64443*				99706*				47250*			
Great Britain				nematode resistance				47250*			
5767				88920				47250*			
15169				88937				47250*			
Italy				18408*				47250*			
84463*				20178*				47250*			
Lithuania				88929*				47250*			
5791*				9046				47250*			
43609*				77718				47250*			
5774*				88920				47250*			
43609*				9294*				47250*			
84477*				68315*				47250*			
15137*				99706*				47250*			
33719*				nematode resistance				47250*			
84492*				88920				47250*			
Sweden				88937				47250*			
5786*				18408*				47250*			
				20178*				47250*			
				88929*				47250*			
				9046				47250*			
				77718				47250*			
				88920				47250*			
				9294*				47250*			
				68315*				47250*			
				99706*				47250*			
				nematode resistance				47250*			
				88920				47250*			
				88937				47250*			
				18408*				47250*			
				20178*				47250*			
				88929*				47250*			
				9046				47250*			
				77718				47250*			
				88920				47250*			
				9294*				47250*			
				68315*				47250*			
				99706*				47250*			
				nematode resistance				47250*			
				88920				47250*			
				88937				47250*			
				18408*				47250*			
				20178*				47250*			
				88929*				47250*			
				9046				47250*			
				77718				47250*			
				88920				47250*			
				9294*				47250*			
				68315*				47250*			
				99706*				47250*			
				nematode resistance				47250*			
				88920				47250*			
				88937				47250*			
				18408*				47250*			
				20178*				47250*			
				88929*				47250*			
				9046				47250*			
				77718				47250*			
				88920				47250*			
				9294*				47250*			
				68315*				47250*			
				99706*				47250*			
				nematode resistance				47250*			
				88920				47250*			
				88937				47250*			
				18408*				47250*			
				20178*				47250*			
				88929*				47250*			
				9046				47250*			
				77718				47250*			
				88920				47250*			
				9294*				47250*			
				68315*				47250*			
				99706*				47250*			
				nematode resistance				47250*			
				88920				47250*			
				88937				47250*			
				18408*				47250*			
				20178*				47250*			
				88929*				47250*			
				9046				47250*			
				77718				47250*			
				88920				47250*			
				9294*				47250*			
				68315*				47250*			
				99706*				47250*			
				nematode resistance				47250*			
				88920				47250*			
				88937				47250*			
				18408*				47250*			
				20178*				47250*			
				88929*				47250*			
				9046				47250*			
				77718				47250*			
				88920				47250*			
				9294*				47250*			
				68315*				47250*			
				99706*				47250*			
				nematode resistance				47250*			
				88920				47250*			
				88937				47250*			
				18408*				47250*			
				20178*				47250*			
				88929*				47250*			
				9046				47250*			
				77718				47250*			
				88920				47250*			
				9294*				47250*			
				68315*				47250*			
				99706*				47250*			
				nematode resistance				47250*			
				88920				47250*			
				88937				47250*			
				18408*				47250*			
				20178*				47250*			
				88929*				47250*			
				9046				47250*			
				77718				47250*			
				88920				47250*			
				9294*				47250*			
				68315*				47250*			
				99706*				47250*			
				nematode resistance				47250*			
				88920				47250*			
				88937				47250*			
				18408*				47250*			
				20178*				47250*			
				88929*				47250*			
				9046				47250*			
				77718				47250*			
				88920				47250*			
				9294*				47250*			
				68315*				47250*			
				99706*				47250*			
				nematode resistance				47250*			
				88920				47250*			
				88937				47250*			
				18408*				47250*			
				20178*				47250*			
				88929*				47250*			
				9046				47250*			
				77718				47250*			
				88920				47250*			
				9294*				47250*			
				68315*				47250*			
				99706*				47250*			
				nematode resistance				47250*			
				88920				47250*			
				88937				47250*			
				18408*				47250*			
				20178*				47250*			
				88929*				47250*			
				9046				47250*			
				77718				47250*			
				88920				47250*			
				9294*				47250*			
				68315*				47250*			
				99706*				47250*			
				nematode resistance				47250*			
				88920				47250*			
				88937				47250*			
				18408*				47250*			
				20178*				47250*			
				88929*				47250*			
				9046				47250*			
				77718				47250*			
				88920				47250*			
				9294*				47250*			
				68315*				47250*			
				99706*				47250*			
				nematode resistance				47250*			
				88920				47250*			
				88937				47250*			
				18408*				47250*			
				20178*				47250*			
				88929*				47250*			
				9046				47250*			
				77718				47250*			
				88920				47250*			
				9294*				47250*			
				68315*				47250*			
				99706*				47250*			
				nematode resistance				47250*			
				88920				47250*			
				88937				47250*			
				18408*				47250*			
				20178*				47250*			
				88929*				47250*			
				9046				47250*			
				77718				47250*			
				88920				47250*			
				9294*				47250*			
				68315*				47250*			
				99706*				47250*			
				nematode resistance				47250*			
				88920				47250*			
				88937				47250*			
				18408*				47250*			
				20178*				47250*			
				88929*				47250*			
				9046				47250*			
				77718				47250*			
				88920				47250*			
				9294*				47250*			
				68315*				47250*			
				99706*				47250*			
				nematode resistance				47250*			
				88920				47250*			

	Item				Item				Item		
Potatoes-- Cont				Potatoes-- Cont				Potatoes-- Cont			
pests--cont				quality--cont				seed--cont			
Republic of South Africa	14098			Germany	6817*	44696*	55056*	Sweden	460*	15918*	49310*
Rhode Island	37052			Idaho			20165	99604*		59801*	59904*
Scotland	73176			India			101965	Switzerland			10902*
physiological diseases	10149			Israel			39995	terminology		78441*	99580*
58669 78607*				Maine			70552	tests	6734*	799	9713
Germany	100095*			Norway			34758*	treatment		58641	27283a*
Ireland	18311			Pakistan			107309	19164	57794	78579*	78879*
Israel	100555			Pennsylvania			65535	27947*	68282*	100457*	107364*
planting	39390 68709			Rhode Island			34766	90533*	90556*	29042*	29044*
9744* 59857*	59895*			Sweden	27025a*	29039*	34778*	USSR	20108*	79748*	85771*
Albania	90542*			49325*	70025*	107324*		77878*	79695*		
Austria	39344*			Texas			2516	90524*	100206*		
Germany	39411*	47464*	79698*	USSR		44692*	85802*	vernalization		5815*	9842*
East Germany	69965*	70030*		Washington			20708	47968*			
Hungary		59844*		Wisconsin			55083	viability			79714*
Netherlands	59902*	59912*		refrigeration		6902*	44773*	seeds			58632*
60569*				75345*				shading			79726
Poland	43559*	70012*	70046*	regulation and inspection			37474*	situation and outlook		6708	34675
79713*				77967*				54955	96765	54928*	54967*
USSR	10953*	79695*	79748*	research methods				California			54965
79749*	90517*	90524*		linear programming			85693	Delaware			15907
planting date	1987*	2006*		statistical		87220	101422	Europe			54964*
19073*	68282*			10908*				France			65726*
Hungary		79733*		research programs		90536	39356*	Germany	1986*	65479*	65514*
Pakistan		39367		seed		27600a	55157	75163*	107232*		
Poland		70012*		100555	11456	9859*	28229*	Idaho			6714
USSR	79702*	79749*	100441*	39398*	94266*			New Jersey			15890
planting equipment		15121		associations		39338*	39419*	USSR			65372*
Czechoslovakia		74055*		39421*	59904*			Virginia			25289
Germany	43567*	53697*	53719*	Austria	73194*	77841*	77914*	size		19164	20167
64440*				79744*	89659*			soilless culture			11521*
East Germany	53731	74054*		California			59789	soils	10013	78616*	80346*
Hungary		64424*		Canada			49285*	Bulgaria			101936*
operation		74059*		certified		20120	44695	California			1236
USSR	74064*	106289*		Australia		79688	101379	Canada		11574	29766
policies and programs		55024		California			49299	Germany		2313*	6879*
65479*				Canada			20158	East Germany			95799*
Germany		75181*		Florida			20158	Great Britain			47966
East Germany		6724*		Germany			49390*	Hungary		39410*	49972*
Maine		54968		Italy			59818*	Ireland			18811
New Zealand		96785		Minnesota			20153	New York			101933
Republic of South Africa		6722		Scotland			20181	Pennsylvania			60468
54962 75180				Sweden			97424*	Poland	29109*	50012*	59106*
pollen		47922*		Switzerland			69966*	USSR	29325*	70350*	100206*
prices		55118		USSR			15990*	Virginia			20631
Great Britain		75292		Virginia			25431	spraying and dusting		69025	27877*
Sweden	34778*	55119*	107324*	costs and returns			87220	Canada		9138	77659
USSR		16004*		Denmark		10979*	88866*	Czechoslovakia			63538
processed	25464	34807	55137	Germany	478*	70597*	75181*	Ecuador			343
6849*				East Germany		27324a*	68018*	Germany			
processing	6914	6922	6938	88869*	99168*			East Germany			9060*
16064	25464	34799	55157	grading and standardization				Hungary			94298*
55172	55188	107337	6879*					India			9049
55180*	65582*			Hungary			75276	Maine			68278
California		55152		Ireland			90482*	Netherlands			83364*
Colombia		75301*		Italy		54960*	10930	Norway			57980*
France		85853*		losses			5774*	Sweden	37250*	57868*	77683*
Poland	54694	55126	61626*	Netherlands		9053*	57971*	77684*	77772*	77773*	
processing equipment		6574*		66931*	79667*	84414*	85772*	sprout prevention		16061	23247
15133* 107379*				Norway	10909*	45828*	77875*	24542	25466	55161	85863
production quotas		55215		Poland	90563*		70046*	100214	34800*	55158*	57150*
production regions		97963*		79661*				65603*	65616*	65619*	85723*
products	54969	55118	55172	policies and programs			29047*	85844*	107248*		
85697*				production regions			44556*	reviews			6921*
Canada		55019		quality	1987*	20107*	79733*	sprouting	955	9713	11456
frozen		34799		85844*	90481*			39401	68760	69094	47904*
Germany		15946*		regulation and inspection				59844*	69965*	78441*	
Poland		65402*		European Economic Community				statistics	16068	55213	65367
quality		55096				44682*	75259*	107415*			
trade		56968		Germany			75181*	European Economic Community			65654*
propagation	9960	29108*	37103*	Maine			44695	Germany		44809*	107414*
39392*	47505*			Netherlands			97434*	India			107236
properties	6745	6763	6938	Poland		34763*	44698*	New Jersey			16065
20171	54985	58673	70019	size	28213	68709	59912*	Sweden			96921*
85833				70012*				Venezuela		16071*	85890*
proteins	1315	10152	25359	storage	37319	39367	9685*	107417*			
37947	37269*	67464*	78704*	9734*	9922*	16007*	44741*	Washington		34847	44820
96811*	100441*			69115*	79714*	107364*		65663			
purchasing	34720	55037	85771*	Australia			107398	storage	6898	6914	34692
85776*				diseases			58048	44730	44751	54985	55037
quality				Germany			45749*	58373	70029	107360	6879*
25451	25466	49346	55041	Netherlands			16036*	6921*	85858*		
55077	55103	69310	69972	structures		5952*	43823*	China		75319*	105344*
70029	70549	78817	107302	107328*				Colombia			75301*
15984*	38338*	38430*	78352*	temperature			44797*				
80346*	85789*										

\*Text of this reference is not in English.



Item				Item				Item			
Potatoes-- Cont				Potatoes-- Cont				Potatoes-- Cont			
storage--cont				varieties--cont				virus diseases--cont			
cooperatives				Great Britain				Poland			
costs				Hungary				77917*			
Denmark				India				79722*			
diseases				25465				Portugal			
6897 16044				39400				reviews			
33163 44784 99633 107371				10949*				transmission			
107375 16053* 25462* 25481*				Italy				32793 42580			
107378*				Japan				52884* 77901*			
France				Latvia				Yugoslavia			
Germany				Maine				vitamins			
East Germany				Netherlands				108952			
96901*				77968*				57150*			
Great Britain				New Hampshire				54694			
humidity				New Zealand				waste			
Lithuania				Northern Ireland				waste utilization			
losses				Norway				weed control			
Netherlands				Poland				chemical			
Northern Ireland				44639*				Connecticut			
Poland				79732*				Germany			
Spain				79745*				East Germany			
structures				Rumania				49489*			
5952* 15334*				Scotland				79754*			
106500* 107328*				Spain				Great Britain			
Colorado				Sweden				Hungary			
designs and specifications				Switzerland				India			
53899 84717				59824*				Northeastern States			
Germany				USSR				29338 29362			
43825*				79657*				Northern Ireland			
Great Britain				90525*				Oregon			
Hungary				Venezuela				Poland			
Idaho				Vermont				101539*			
Sweden				Virginia				Rhode Island			
study and teaching				vines				USSR			
Sweden				feed				70122*			
temperature				killing				Germany			
16061 25466 55086 85842				1928*				East Germany			
43833* 44738*				29097*				Japan			
Trinidad and Tobago				64483*				Netherlands			
USSR				90541*				New Zealand			
ventilation				Austria				weed control equipment			
44738* 44805*				Maine				yields			
75351* 84715*				Northeastern States				19164 49346 52904			
surpluses				diseases				68701 69091 69094			
85754*				18302 18376 23222				70549 70575 83182			
taxonomy				37437 37453 37469				48303* 80346*			
tests				58079 68877 88875				107415*			
trade				99565 99600 99610				Austria			
Europe				9220* 9226*				Denmark			
Great Britain				18369* 47483*				Finland			
Ireland				58069* 68267*				Florida			
Morocco				77909* 77927*				Germany			
Poland				Austria				East Germany			
transportation				Canada				Great Britain			
55041				conferences and congresses				70655			
Idaho				control				Hungary			
Netherlands				23189* 27324a*				Idaho			
USSR				99598* 99619*				28213			
Virginia				Australia				101965			
transportation equipment				Canada				Israel			
84477*				Denmark				Maine			
utilization research				Germany				Netherlands			
conferences and congresses				47472*				New Hampshire			
55022 55023				East Germany				Northern Ireland			
varieties				India				Norway			
25346 25359 39382 49314				Italy				Pakistan			
49317 49375 55077 55086				Maine				Poland			
58464 70619 78381 85790				Netherlands				20798*			
90531 101411 47231*				83364* 99580*				66939*			
77937* 79685*				Norway				70012*			
Alaska				Poland				2396*			
Albania				Sweden				Texas			
Argentina				101453*				Trinidad and Tobago			
Australia				USSR				USSR			
Austria				457*				47968*			
90506*				58072*				50120*			
California				77933* 88876*				80249*			
Denmark				East Germany				80321*			
101391*				88869*				80431*			
Europe				Hungary				90533*			
Finland				9241*				Vermont			
101450*				88870*				Washington			
France				32741				Potentilla			
Germany				99633				cytology			
20142* 39408*				47527*				fungus diseases			
49322* 49350*				Mexico				varieties			
East Germany				Netherlands				Potentilla anglica			
101400*				Oregon				Potentilla anserina			

Item				Item			
Poteriochromonas stipitata	38047*			Poultry-- Cont			
Poterium polygamum seed oil	55567*			breeding--cont			
Poterium sanguisorba SEE Sanguisorba				hybridization--cont			
minor				reviews	72556*		
Poterium spinosum	63009*			Rumania	72552*	93009*	
Pothos aureus SEE Scindapsus				104235*			
Potosia 43011*	94918*			USSR 93001*	93004*	104241*	
Potosia (Oreopotosia) n sgen	94918*			inbreeding	13435	22477	
Potosia (Pseudonetocia) n sgen	94918*			31745*			
Pottia	57685*			Ireland		13433	
Pottia davalliana	88437*			Japan	52160	31752*	31754*
Pottiaceae	67910*			31755*	31759*	31762*	31763*
Pottiales	88440			31765*	31772*	31773*	31776*
Potting mixtures	10055	10703	10745	62705*	62719*	92984*	92994*
10762	10787	10829	11615	93003*	93031*	93033*	93041*
20100	48953	49202	58553	Latvia			22485*
58554	59716	59729	69666	linebreeding			93017*
91027	91148	101279	101679	Netherlands			93030*
1885*	10056*	10057*	11506*	Norway	82528*	104233*	
11614*	20597*	27131*	33649*	research methods			
36996*	38502*	39138*	39139*	statistical	93512	93020*	
39911*	39944*	39945*	40070*	Rumania	62680*	62691*	62698*
40071*	48265*	49155*	49779*	62703*	62811*		
50093*	68761*	69919*	79624*	seasonal			93022*
80278*	90549*	90555*		Sweden			4026*
Poulard wheat	28454*			Uganda			22721
Poultry	72677			USSR	52157	104238*	
abnormalities	4041	13539	52235	breeds	22503	22666	31774
52247	104228	13438*	13533*	41882	62713	93114	4054*
accounting	7373	35860	35868	13424*	22488*	22493*	22496*
66876	76382	35863*		31753*	31784*	36224*	42022*
advertising		107812		62706*	93012*	93014*	93015*
advisory services	82681*	93455*		93018*	93280*		
Africa		32081		Australorp		104241*	
age	4049	13469	22648	Basque	31750*	62696*	
62784	82619	92993	41901*	Black Minorca		41894	
42022*	72666*	104237*		Bresse		41885*	
Algeria		42091*		Castilian		62709*	
anatomy and physiology		4027		Cornish	52151*	52165*	
4174	22483	52160	63501	White		31743*	
82604	22680*	31894*	31910*	Faverolle		104244*	
31963*	62869*	93217*	93246*	Fayoumi	52155	62715	
93274*	93282*	104332*		Lakenvelder		52154*	
Arkansas		104472		Legbar		72559	
as laboratory animals		72677		Leghorn	4031	4204	4243
associations		7371*	82701*	22580	22667	32108	42045
93509*	107854*			13425*	62685*	62690*	62720*
Australia		13601	93525*	104244*			
Bantam class			41882	Brown		72553	
breeding	4034	4202	82534	White	4029	4036	4037
82541	82683	93038	4028*	4079	4123	4236	4244
4048*	31760*	62701*	93012*	4245	4249	13427	22477
93028*				22498	22603	31744	31746
Arkansas	32043	41891		42080	42089	52147	62682
Australia		41889		62717	82600	82604	92993
Bulgaria		82535*		31766*	31767*	41898*	--41901
Czechoslovakia		52163		62709*	104237*	104240*	
Denmark		93023*		Single Comb		41960	
effects of age		52164		41983			
effects of drugs	22478	41900*		New Hampshire	41894	82545	
effects of feeding	22507	22568		13425*	41897*	--41901*	62690*
41920	41930	41938	62763	104241*	104262*		
93151	93163	13476*	22479*	Plymouth Rock		4041	
31826*	93355*			Barred		52165*	
effects of housing		74200		White		72580*	
Europe		93148*		Polbar		92985*	92998*
Finland		104231*		Rhode Island Red	52155	104507	
Germany				13425*	31766*	41898*	41901*
East Germany	4024*	104224*		Russian			
Great Britain		62686		White		104241*	
Hungary		104242*		Sharkasi		31986	
hybridization	41894	13424*		Silkie		22663*	
13425*	13430*	22482*	31768*	Sussex	13425*	52219*	104247*
41897*	41943*	62720*	72554*	Utreranian		62709*	
72556*	92995*	92997*	93037*	White Rock	4189	62687	
104237*	104239*			62720*			
Angola		62699*		broodiness	42094	62967	
Bulgaria	52151*	62690*		carcasses			
104244*				analysis and composition		31898	
France		41896*		104275			
Germany				disposal	62941	32053*	
East Germany		93027*		microorganisms		97344	
Hungary		104230*		quality	103353	26162*	31789*
Japan	4047*	31743*	31766*	care	15319	22567	42104
31777*	52165*	62693*		52326	72680	93528	104507
92978*	92980*	93021*		4257*	31919*	32067*	52187*
93032*				52321*	62970*	82632*	93345*
Poland	4045*	92985*		93399*	93445*		

\*Text of this reference is not in English.



	Item			Item			Item	
Poultry--Cont			Poultry--Cont			Poultry--Cont		
costs and returns--cont			diseases--cont			egg production--cont		
Netherlands	7970	26906*	Mozambique		93193*	effects of feeding--cont		
76464*			New Jersey		4244	Japan	13468*	31780*
New England States		26892	prevention	82648	62905*		62746*	62769*
New Jersey		87213	104517*		93208*		93043*	93124*
North Carolina		56561	Australia		52333		93146*	
Northern Ireland	26901	97996	Great Britain		13509	Latvia		31787*
Norway	26942*	62980*	Japan	31983*	32017*	Louisiana		31815
Pennsylvania		22539		62916*	93250*	Maryland	22524	22526
Rumania	93526*	108549*		93297*	93305*		104256	
Scotland		7945	reviews		4228	Mississippi		72596
Sweden	33870*	45913*	statistics	22650	22651	Netherlands		4106*
USSR	56591*	86970*	Sweden	4191*	22655*	Norway	62742*	62743*
Virginia	87003	95971	transmission	4193	62867	Poland	4087*	82565*
West Virginia		32012	treatment	4242	41278*		104302*	104524*
credit	26461	26741	Japan	31998*	93251*	reviews		52182*
26795	66110	84662	Rumania		104345*	Rhode Island		82562
35488*	35492*	97618*	egg production	7938	32119	Sweden		4085*
108220*			41996	41999	42010	Turkey		104262*
culling	93453	52305*	42092	52155	52243	USSR	52185	104292*
93436*	93459*	104525*	52290	52312	52326	effects of housing	74200	93006
Canada		32101	62940	62952	72679	93503	93524	104507
Finland		104485*	72696	93207	93428	106443*		
Hungary		22693*	4274*	13526*	16924*	effects of humidity		93442
Japan	32058*	32126*	32071*	32093*	42096*	effects of light	4276	4281
52332*	93530*	35257*	62944*	62970*	62975*	13592	22667	22668
cytology	4124	4159	104481*			32108	42080	42089
4216	13537	13539	Arkansas		32043	64609	93112	104474
22639	42043	42059	Canada		93470	22722*	42075*	62983*
62918	82633	22590*	Denmark	32074*	104473*	104522*		
104227*			effects of age	42089	45213	reviews		52182*
dificiency diseases	13492	62795	62803	31940*	31961*	effects of temperature		32041
62883*	62935*	93313*	104486*			104289	32028*	32087*
developing areas		32081	effects of breeding	4025	4029	93527*		
digestion	41952	62761	32023	41893	52158	Finland		104486*
4188*	52201*	52250*	92981	92983	92990	Georgia		62945
directories	82541	86378	93006	93036	107788	Germany		
Canada		66069	24254*	31768*	52166*	East Germany		4286*
Connecticut	62801	82677	72554*	93025*		Great Britain	82674	62959*
Great Britain		42082	France		41896*	Illinois		84670
Kansas		75770	India		104240	India	22710	62968
Massachusetts		72686	Japan		93014*	Italy		52313*
Nebraska		97346	Mississippi		104246	Japan	31941*	32048*
Southeastern States		35295	Pakistan		22497	32091*	32106*	32116*
Virginia		55731	Poland		41895*	45943*	62957*	66924*
disease resistance	4159	13575	Rumania		93009*	93446*	93504*	93505*
22621	41891	82619	USSR		93022*	97841*		
104461	104462	62806*	West Virginia		104234	Middle Western States		45792
diseases	22628	52228	effects of disease	22523	42044	Netherlands		4273*
93235	104315	31919*	52247	82648	31937*	Northern Ireland		13593
93384*			effects of drugs	4230	22560	Norway		62980*
Arkansas		62842	22609	31895	31972	Philippines	13427	72673
associations		62777	104448	42026*	42034*	Poland	13589*	93463*
Belgium		62807*	effects of feeding	4068	4071	Republic of South Africa		52324
Brazil		22594*	4072	4075	4081----	research methods		
Bulgaria		23160*	4094	4102	4104	statistical	32084	42036
conferences and congresses			13441	13463	22520	Rumania		104510*
		104307*	22542	22546	22554	seasonal	93089	22696*
Italy		93429**	22567	22576	31779	32033*	32120*	62992*
Middle Western States		22650	31818	31830	31873	93431*	93451*	93530*
Northeastern States		13568	41909	41937	41938	Sweden	4259*	82684*
22651			62729	62748	62749	Texas		22717
Spain		72664*	62754	72562	72573	Uganda		22721
control	4129	82593	72581	72594	82548	equipment	43770	84396
4163*	30967*	52187*	82559	82561	93061	33622*		106515
Australia	4060	52237	93069	93070	93084	Germany		
72604			93089	93095	93112	East Germany		33837*
Czechoslovakia		31900*	93121	93130	93141	Japan	33548*	33574*
Hungary		22607*	93150	93156	93165	95779*	95781*	95782*
India		93074	104289	4057*	4077*	European Economic Community		66076*
Israel		62838*	4086*	4089*	22514*	exchanges		97289
Italy		93400*	22521*	22522*	22536*	farms and ranches	56564	66978
Japan	31878*	31996*	31809*	31840*	31857*	32082*	32105*	32114*
	62719*	93345*	41942*	41951*	52175*	97361*		
Spain		52291*	52180*	52183*	52187*	Ceylon		87095
diagnosis	31885	52264	52198*	62716*	62758*	Czechoslovakia		41958*
13519*	31995*		62983*	72585*	82555*	Great Britain		45866
effects of age		31924*	82577*	93050*	93057*	India		104240
effects of feeding	4236	22557	93073*	93075*	93087*	Japan	26919	66832
31978*	72587*		93123*	93147*		32030*	32042*	32061*
Europe		104317	Chile		72590*	33574*	35773*	35774*
Germany		13513	Germany			35790*	35791*	81923*
Great Britain	4160	104317	East Germany	31811*	31812*	87152*	93452*	93460*
Hungary		22625*	Great Britain		104267	93482*	93483*	97894*
Italy		53904*	Italy		52170*	Latvia		22485*
Japan	82638	21879*						
93304*	93364*	93303*						

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.

	Item				Item				Item		
Poultry-- Cont				Poultry-- Cont				Poultry-- Cont			
farms and ranches--cont				feathering--cont				feeding and nutrition--cont			
Maine			22598	104455	22678*	41897*	62919*	Republic of South Africa			52207
management	4275		26161	72558*	93077*	104237*		research methods			
26741	26853	32023	32071	13600	22503	22542	22553	linear programming			104254
32085	32098	32103	35749	22579	22586	22666	26853	statistical	31851*		104294
56521	66753	66806	75752	93044	4095*	41962*	52194*	restricted feeding	13451		22647
76248	93428	93503	97582	62727*	62772*	72597*	82600*	31815	41927	62748	72588
97796	97802	107788	107838	104296*				72596	93165	104280	22521*
108481	13602*	72678*	76256*	feeding and nutrition	4079	4262		31844*	52176*	93050*	
93420*	97827*	97834*	104521*	13456	13469	22512	22537	Rumania	91838*	91889*	104518*
107814*				22543	22555	22574	22580	seasonal	93084	31780*	41916*
Australia	7372		24071	23167	30803	31799	31863	41942*	72585*	104302*	
45820	66812	108532		31934	41934	42490	52186	Spain		22563*	31784*
Brazil			72691*	52217	52287	52326	62734	Sweden		4088*	72584*
Bulgaria			45797*	62735	62738	62761	62766	Taiwan			62651*
California	35875		97955	62767	72577	82578	93065	USSR	13473*	13596*	22506*
66793*				93132	93164	93422	104259	71646*	72026*		
Czechoslovakia	31900*		31937*	104269	22552*	31798*	31825*	feeding and nutrition equipment	43514		
Delmarva Peninsula			98001	31837*	31919*	41936*	41964*	64398	5729*	33623*	84390*
France			76245	52213*	52321*	62728*	62893*	fertility	4049	4052	22498
Georgia			98001	72666*	82525*	82579*	93049*	31758	41892	52257	62683
Germany	13513		4288*	93057*	93136*	93137*	93367*	72669	82544	93038	93163
22712*				104258*	104377*	104516*		41900*	92996*		
East Germany			13598*	Australia			52205	flock size	42087	42092	76454
104224*				Austria			31858*	66791*	93440*	93491*	93496*
Great Britain			62959	Brazil			72691*	97824*	97830*	97839*	97856*
Hungary			106209*	Bulgaria			62771*	97867*	97876*	97891*	
India	32026	32050	104506	Chile			72579*				13595*
Indonesia			62937*	conferences and congresses			62751	France			97310
Japan	31963*	32036*	32037*	costs	4059	22539	31851	futures			4037
32054*	32055*	32057*		62756	93150	16924*	52202*	genetics	4027	4036	13426
32058*	32064*	32065*		62757*	97950*			4041	4043	5334	22483
32075*	32083*	32094*		Germany			41917*	13434	13435	13437	31751
32095*	32097*	32109*		East Germany			93118*	22489	22499	22504	41894
32111*	32113*	32134*		India			93106	31769	31775	41887	82547
32135*	33575*	35488*		Poland			82565*	52160	82534	82545	93008
35775*	35782*	35783*		Virginia			87003	92990	92993	93006	104245
35792*	35793*	35803*		Czechoslovakia	104297*	107107*		93029	104226	104228	4040*
35817*	35818*	35820*		deficiencies	4060	4083		107788	4028*	4033*	41888*
35855*	35858*	35863*		4104	31849	31850	62805	8377*	13438*	41194*	72557*
45874*	56436*	62948*		72565	72582	72623	72629	52162*	52168*	62695*	93032*
66770*	66791*	66795*		93141	93142	93153	104403	82542*	93017*	93032*	104247*
72681*	87010*	87046*		104455	4089*	13534*	42058*	93171*	93431*	104227*	
93505*	97587*	97823*		62919*	62925*	72593*	93182*	research methods			
97824*	97830*	97836*		93346*				statistical		4039	93036
97839*	97841*	97842*		Denmark	22551*	52195*	52196*	germ-free	4142	22598	93286
97843*	97844*	97847*		72580*	93155*			93394			
97848*	97849*	97850*		Finland	4078*	4109*	4110*	Great Britain			82674
97851*	97856*	97862*		52181*	104298*			Greece			52168*
97863*	97866*	97867*		France		22519*	93092*	growth	4027	13560	22487
97868*	97869*	97876*		Germany	4981*	13472*	52218*	22503	22535	22578	22586
97880*	97884*	97889*		93078*	93081*	104300*		22617	22668	31979	31986
97890*	97891*	97893*		East Germany	4073*	31796*		32108	41977	52257	52331
97909*	97924*	97932*		31810*	31812*	31813*		62722	62761	82562	82617
97933*	97934*	93935*		93101*				93104	104274	104286	104301
97936*	97937*	97942*		Great Britain		22513	52184	22680*	22700*	31781*	31793*
Lithuania			7908*	Hungary	13450*	41943*	41944*	31839*	31920*	31935*	31947*
Maine	56527		98001	104288*	104293*			52201*	52225*	52250*	62752*
Massachusetts			76292	India	31808	41932	93074	62770*	62771*	62808*	62858*
Middle Western States			45792	104248	104281			72597*	82567*	82569*	82625*
Northern Ireland			56470	Israel			82573*	93137*	93144*	93182*	93375*
97996				Italy	52215*	82671*	93055*	104297*	104516*		
Philippines			97910	93056*	93058*	93120*		habits and behavior		4284	13574
Poland			62971*	Japan	13468*	31778*	31782*	13603	22614	31771	32038
Spain	62973*	72687*	107831*	31834*	31835*	31836*	31838*	42079	62738	62761	62889
Sweden	31784*	106434*	7887*	31843*	31845*	31846*	31848*	62940	62958	72683	72684
USSR	7839*	7902*	13596*	31854*	31860*	31869*	41923*	93443	93461	93472	104475
86970*				52214*	62741*	62760*	62755*	31806*	32031*	42081*	52321*
Venezuela			56409*	72563*	93042*	93086*	93097*	82698*	93282*		
Virginia			87003	93119*	93126*	93146*	93158*	reviews			31980
Mexico			93469*	93167*				hatcheries			
Netherlands			22715*	Latvia			31781*	California		55743	97394
New Jersey			87213	Mexico			104257*	Connecticut			62801
New England States			107789	Netherlands			4054*	cooperatives			35857*
107810				Northern Ireland			31861	Denmark		93466*	93467*
Norway			104519*	104503				directories			75749
Rumania			104517*	Norway			82528*	Florida			45901
Southern States			107837	pasture and range	4070	22527		Great Britain			93401
Spain			52291*	4113*	13598*			Hungary			24293
Sweden			87060*	Poland	4225*	13453*	13466*	Japan		93464*	93486*
Texas			93408	31805*	41946*	82553*	82575*	management			35313
USSR	22716*	82673*	93501*	104270*				Netherlands			4054*
104238*				recent developments			31797	Ohio			42095
feathering	4049	4157	4210	52188	52206	93054	13447*	Pennsylvania			62974
4211	4223	4262	13541	31875*				sanitation		62799	62962
22665	31747	52252	82545					statistics		16345	16346

\*Text of this reference is not in English.



Item				Item				Item			
Poultry-- Cont				Poultry-- Cont				Poultry-- Cont			
hatching	4130	42078	93401	housing--cont				injuries	42010	42104	72606
13526*	22706*	32029*	33616*	temperature	5892	33838	64604	86341	93201	93255*	
41974*	52234*	52306*	52328*	84659	104488	5919*	33839*	Japan	35837*	36290*	93417*
62965*	93205*			43755*	43769*	53910*	53957*	93418*	93444*	93523*	
Canada			93473	93210*	95991*	95993*	106460*	judging			104470
Bulgaria			93403*	Texas			84644	labor	4279	26853	76067
Japan	31755*	32129*	62948*	ventilation	5917	106447		86704	97649	108184	26575*
93498*				5920*	52310*	53918*	53947*	66496*	95781*		
Netherlands			4171*	95999*	96012*	96019*	96027*	Germany		16632*	108219*
New England States			107789	Hungary			13597*	East Germany			45619*
Norway			62980*	hybrids	4216	22490	62717	Japan	35541*	35583*	97689*
Poland			52323*	72558*				108220*			
seasonal			4029	immunization		104354	104434	occupational diseases			93391*
Washington			93402	52261*	72603*	93254*	93288*	laying contests	4244	13591	
hereditary diseases			22477	93289*	93305*	93370*		62953	93433	22698*	
history	32078*	32138*	86364*	Great Britain			93211	litter	4258	22724	33854
93485*				Michigan			41976	52314	72690	74201	92345
home raising	72680	72693	13448*	Indonesia			4254*	93044	93471	93475	93503
104489*				industry	7345	52320	86363	103584	22708*	42099*	52337*
housing	4275	5904	13600	86369	106880	107811	107848	53911*	95793*	104320*	104511*
15319	42092	74201	76454	7346*	32046*	32105*	35248*	Maine			104498
84677	86643	93422	96024	35273*	35293*	42105*	75774*	marketing	66107	75764	86370
106430	22708*	43760*	64595*	93516*	97323*	97362*	97363*	35248*			
93228*	93426*	93490*	96034*	97376*	107813*	107814*		Algeria			42091*
advisory services	84648	84693		accounting		26191	108385	Canada	7347	7359	7392
Australia	15308	43771		45874*				costs			107810
Colombia			53911*	advisory services			107829*	Denmark			97402*
construction	84662	84676		Arizona		104483	104484	France			97355*
84691	24213*	24217*	43817*	Australia			13588	Hong Kong			35303*
53920*	53938*	53961*	95994*	California		55743	86339	Italy			66076*
106452*				Canada	16366	93481	97276	Japan	35263*	66102*	97365*
Delmarva Peninsula	84675			Czechoslovakia			66092*	97367*			
Denmark	96011*			Delmarva Peninsula			16348	legislation			35308
Florida	43770			75759	97336			Netherlands			6074*
Germany	15310*	53957*		developing areas			82689*	New Zealand			26181
106437*	106441*			Europe			4261	Poland	16357*	107855*	
Italy			74196*	France	35512*	75774*		meat production			4096
Japan	33844*	33847*	33855*	Germany	32051*	42074*		32110	52331	93428	93512
96030*				Great Britain	4160	42100		93522	97288	104385	104480
controlled environment		5926		45220	97377	97378	104490	104497	22637*	32124*	33622*
15294	42027	53942	74194	Guatemala			93427	82647*	93514*		
84646	84648	84681	84693	Hungary			75771*	Arkansas		32043	93441
84694	95971	96013	96032	India		93054	93484	Australia		22703	62942
106456				Indiana			42085	62943	93529	104502	
costs		15286*		Israel		4277	93515	Canada			22718
designs and specifications		53942		Italy	45201*	66076*	86376*	Czechoslovakia		13594*	22699*
84647	33870*			107785*	107833*			effects of breeding			4051
Italy		15286*		Japan	7386	32062*	32065*	41897*	62685*	62706*	62720*
Japan		96026*		33872*	82696*	93474*	93477*	72554*	82533*	92985*	
Poland		33876*		93497*	97303*	97304*	97319*	France			41885*
Finland		106433*		97348*	97349*	97392*	97404*	Germany			41902*
France		76245		107815*				East Germany			93005*
Germany	15311*	52338*	53970*	Maine			72685	Japan	4047*	31761*	31767*
East Germany	33837*	74213*		mergers			16353	52159*	92980*	92999*	
105132*				Mexico			93469*	93016*	93034*	93035*	
Great Britain	43759	84683		Missouri			42093	Latvia			22493*
96013				Netherlands		66097	22687*	Poland			4045*
heating	53907	54050	96031	55730*	62949*	97270*		Rumania			93009*
5919*	15300*	15307*	43755*	New England States			26187	Uganda			13436
53934*	95990*	106440*		New Zealand		26195	66098	USSR	82530*	93001*	93004*
humidity	5892	43769	93210*	Norway			82687*	93017*	104241*		
95993*				Northern Rhodesia			97326	effects of disease	22523	31993*	
Hungary	24237*	106442*	106443*	Pennsylvania			62974	effects of drugs	13573	22529	
Illinois			84670	Poland	7388*	45225*	62986*	72615	31839*	41970*	
India			84625	107816*	107845*	107846*		effects of feeding	4061	4066	
insulation	5898	84655	84663	Rumania			104518*	4068	13459	13462	13470
95985	95986	95999*		Southern Rhodesia			97326	22523	22527	22551	22554
Italy		24254*	53904*	Spain			107791*	22578	31801	31831	31850
Japan	33867*	33872*	33882*	Sweden			75753	41941	61683	62737	72573
64628*	84686*	93439*	96004*	USSR			93447*	72574	93046	93105	93134
96008*				Venezuela			86364*	104254	104272	104275	4067*
lighting	24228	64604	64609	vertical integration			7340	4095*	4101*	22479*	22517*
74200	82691	32029*	53947*	7358	26161	34461	45235	22531*	22532*	31789*	31790*
104522*				66106	66110	85506	86108	31793*	31804*	31809*	31855*
Michigan			33854	97287	97360	107838		31856*	41924*	52180*	52187*
Netherlands			33850*	Australia			7372	52200*	52201*	52202*	52204*
Northeastern States			84678	California			16359	62727*	62730*	62750*	62772*
Poland	43745*	43746*		France			97366*	72597*	93063*	93067*	93100*
reviews			53906	Great Britain			107803	93122*	93143*	93160*	97335*
Rhode Island			64605	Japan			35264*	104249*	104253*		
Rumania			104284*	Spain			107831*	Belgium			4097*
sanitation	15302	43754	62826	Virginia			52327	Bulgaria			62770*
64517	14055*	31058*	32049*	infectious diseases	93385*	104414*		Canada			4255
33876*	82695*	93437*	104320*	Japan			93366*	Czechoslovakia	31993*	104295*	
104442*				prevention			62859*	France			22518*
Spain		24249*	106434*	treatment			52267				
				Uruguay			62922*				

\*Text of this reference is not in English.

	Item		Item		Item		Item
Poultry-- Cont		Poultry-- Cont		Poultry-- Cont		Poultry-- Cont	
meat production--cont		pest control	23138 23167 32701	records and testing--cont		records and testing--cont	
effects of feeding--cont		32710 42490 42547 52783		Australia	4283 22703	Australia	4283 22703
Germany		94103 42504* 105116*		72692 93529		72692 93529	
East Germany	13457*	Australia	14041 42460	California		California	32121*
Great Britain	93027*	94161 105119		Canada	4255 4260	Canada	32123
Ireland	104301	Austria	52794*	Denmark	22688*	Denmark	52317*
Italy	31785*	biological	52819*	Germany		Germany	
Japan	31783* 31802* 41933*	California	94183	East Germany	4278*	East Germany	13457*
92980* 93095*	93099* 93128*	chemical	63463*	Great Britain		Great Britain	104476
Maryland	22525 22526	Czechoslovakia	42513*	Hungary		Hungary	104520*
Mississippi	104261	Germany	105100*	India		India	4282
Poland	52190* 62752*	East Germany	105132*	Israel		Israel	42086
93077*		Hungary	105121*	Netherlands		Netherlands	4273*
Puerto Rico	22544	Ireland	14026	research methods		research methods	
Rumania	104287*	Sudan	63521	statistical		statistical	93409
Southern Rhodesia	104278	Tropics	52819*	Sweden	22704*	Sweden	72698*
Spain	22515*	USSR	14055 14011* 14054*	regulation and inspection		regulation and inspection	52296
Sweden	22496* 104276*	91547*		81876 107650		81876 107650	
effects of housing	15294 104488	pests	32661 33061 63505	Denmark		Denmark	97402*
106456		63515		Germany	4200* 22713*	Germany	26192*
effects of light	52302	Australia	73153 94093	45227*		45227*	
effects of temperature	93415*	Ceylon	23166	East Germany		East Germany	93468*
Europe	4261	habits and behavior	53572*	Japan	31878*	Japan	93244*
France	22695*	India	63485	93395*		93395*	
Georgia	62946	Japan	32689* 52793*	research methods	31775	research methods	97393
Germany	22713*	USSR	63523*	82679*		82679*	
East Germany	4286* 4287*	Virginia	42553	linear programming		linear programming	42092
62879*		poisoning	22587	statistical	4049	statistical	4281
Ghana	82702	22588 41956 42057 42480		42087 107788		42087 107788	
Great Britain	52309 62686	52252 61887 72655 104356		research programs		research programs	42070
Hungary	104491*	13478* 13516* 13518* 31978*		respiration	13495 31903	respiration	31904
Japan	32066* 32077* 32090*	32006* 41951* 41961* 41964*		42027 62702 4212*		42027 62702 4212*	
32096* 32111* 32137*	62963*	42035* 42504* 82611* 93186*		respiratory diseases	4158 22582	respiratory diseases	52262*
93476*		93271* 93309* 93376* 93397*		22618 72612 72623		22618 72612 72623	
Kenya	72675	94007* 104377* 104392*		Argentina		Argentina	31982*
Netherlands	76464*	reviews		Australia		Australia	72661
Poland	104296*	Poland	107798*	Canada		Canada	41992
Rumania	104510*	policies and programs	7380	control	31916	control	93243*
Sweden	22655* 22708*	Canada	107787	diagnosis	42024	diagnosis	93189
Texas	22692	Europe	107839*	Great Britain		Great Britain	62852
USSR	7902* 52329*	European Economic Community	7370*	Japan		Japan	31997*
93407*		Honduras	75761*	Pakistan		Pakistan	62835
Virginia	52327	India	35271	Switzerland		Switzerland	72628*
mechanization	33546 64329	Japan	35271 45254*	treatment		treatment	31899*
95741*		97314* 97321* 97324* 97325*		reviews		reviews	7387
Great Britain	95744	97333* 97390*		sanitation	82593 82648 104517	sanitation	82593 82648 104517
Hungary	106209*	Poland	75787*	4288* 7953* 22699*		4288* 7953* 22699*	
Japan	82696* 95715*	Spain	107839*	31956* 32092* 33847* 42083*		31956* 32092* 33847* 42083*	
Puerto Rico	5691*	Switzerland	7384*	82623* 93373* 93400* 93411*		82623* 93373* 93400* 93411*	
USSR	52329* 73966* 84359*	predators	22697	93419* 93458* 93495*		93419* 93458* 93495*	
metabolism	4075 4090 4134	prices	75752 97288 107805	Hungary		Hungary	104489*
4142 4165 4233 22596		Canada	7392	Japan	21952* 32053*	Japan	32079*
22611 22612 22649 22666		Delmarva Peninsula	75759	32112*		32112*	
31891 31936 31979 41913		Japan	97365*	Maine		Maine	31962
41939 41998 52210 52244		Netherlands	86356*	South Dakota		South Dakota	4139
52269 52289 52290 62713		production regions	26163	selection	4034 4039 4049	selection	4034 4039 4049
62740 62766 62798 62845*		products	35219 45239 75750	4055 22487 31744 31771		4055 22487 31744 31771	
62901 63451 72586 72662		Canada	7359	52158 92993 104246 22491*		52158 92993 104246 22491*	
82537 82551 93008 93134		conferences and congresses	45237	22493* 31777* 41895*		22493* 31777* 41895*	
93338 103316 104259 104375		consumer preferences	35228	72555*		72555*	
104386 4115* 22506* 31786*		costs and returns	97840	sexing		sexing	104496*
31854* 31884* 32009* 32465*		grading and standardization	7389	shows	35299*	shows	62950*
41969* 42049* 52194* 62752*		labeling	16364 35276	situation and outlook	26156 26194	situation and outlook	26156 26194
62808* 62915* 72610* 82558*		75751*		35220 55702 66105 86358		35220 55702 66105 86358	
82595* 93210* 93361*		marketing	35228 35240	97280 107795		97280 107795	
4202 31746 72689		35296 35305		Austria		Austria	35282*
93285 93421 93453 93484		Canada	86348	Belgium		Belgium	26188*
104308 13585* 32052* 32089*		India	97397	Brazil		Brazil	45236*
42034* 62991* 93450*		Japan	97322*	Canada	16349 45205	Canada	97277
mortality	13427 13600 31902	statistics	54592	97278 97283		97278 97283	
31989 93179 93319 93331		Poland	55711*	Denmark		Denmark	16343*
107788 104378*		processing	7389	Finland		Finland	107786*
nests	24071 32038 53673*	regulation and inspection	7389	France		France	26169*
95784*		16364 35281		Great Britain	35225	Great Britain	55707
Netherlands	4269* 4270*	trade		Hungary		Hungary	97385*
Norway	82681*	Poland	98330	Italy		Italy	86373*
oviposition	22642 31912 42046	Spain	108829*	Japan	97353 35217*	Japan	35242*
52268 62940 104361 13424*		27242* 36255*		35249* 35250* 35251*		35249* 35250* 35251*	
22593* 93171*		purchase and sale programs	16357*	35265* 35266* 35304*		35265* 35266* 35304*	
ovulation	52243 72663 104361	45225* 55711* 107820*		55717* 55751* 66094*		55717* 55751* 66094*	
31840* 93246*		purchasing	82684*	97307* 97351* 97382*		97307* 97351* 97382*	
parasites	22640 31930*	records and testing	32107 32123	97383* 97384* 97391*		97383* 97384* 97391*	
control	63113* 93279*	52316 62954 72697 92981		97396* 97400* 97406*		97396* 97400* 97406*	
diagnosis	32010*	93156 93285 93404 93405		97884* 107844*		97884* 107844*	
Japan	93312*	Arkansas	32043 93441	Kentucky		Kentucky	66089
Poland	82594*			Korea		Korea	97279*
resistance	93363*			Lebanon		Lebanon	86349

\*Text of this reference is not in English.



Item				Item			
Poultry-- Cont				Poultry-- Cont			
situation and outlook--cont				watering equipment			
Maine	85546			106248	95784*		
Malaysia	97305			95790*			
Mississippi	86361			weight and measurement		4049	
Netherlands	7382*			13600	22499	22648	22665
Poland	35277*	107824*	107836*	22667	31771	41887	52160
Southwestern States	35310			92993	93115	93153	93200
Spain	55706*	55735*		93349	103353	104385	104386
Sweden	26176*			4252*	22637*	31750*	41888*
Taiwan	97306			41897*	41898*	42049*	72590*
USSR	75760*	97385*		SEE ALSO Capons; Chick embryos;			
Vermont	7344			Chicks; Cocks; National Poultry			
Virginia	66081	75777		Improvement Plan; kinds of poultry;			
slaughtering	32118	4200*	22709*	names of anatomical parts, body			
52308*	93373*			fluids, diseases and other pathologi-			
Bulgaria		104343*		cal conditions, operations, parasites,			
Germany		72674*		pests, and products			
East Germany		93468*		Poultry meat			
occupational diseases		93181*		advertising			
93185*	93391*			55732	86163	86337	
Poland		62752*		97296			
Rumania		104509*		analysis and composition		13451	
sleep		86260*		13573	31831	42547	62727*
statistics	16345	31774	35312	93415*	97335*		
55712	107837			and disease		55733	
Brazil		55556*		bacteria	7352	26198	26199
California		55743		55720	55733	97291	65834*
97394				66063*	66072*		
Canada	32101	64914	66068	care and handling	45242	66103	
86338				chemistry	35232	66104	72611*
India		44122	65957	coatings		107840	
Iowa		55716		color	7350	7355	22523
Japan	35251*	35259*	97308*	72573	107840	82533*	93067*
97309*				conferences and congresses		86376	
Mississippi		30953		consumer preferences	7350	7385	
Nebraska		97346		35301	26155*	26162*	
Netherlands		97398*		consumption		26197*	97345*
Poland	66101*	75788*	107845*	containers		107796	
Scotland		107827		contamination	26159	42547	55738
South Carolina	26002	107695		cooked		7353	7377
Venezuela		55746*		cookery	26193	36340	46435
Virginia		55712		46454	35257*	97345*	
Wisconsin		86259		cooling	45248	97291	26178*
study and teaching	32076	52304		86350*			
93412*	93413*			costs and returns		104488	
Australia		22702		cuts		97302	
India		82688		defects		42104	
Nebraska		42070		dressing	26172	35262	66088*
Peru		32080		drying		86226	
Poland		107822*		flavor and odor	66083*	66104	97300
Scotland		42107		107840			
Vermont		93414		freeze-dried	16361	55740	97373
surgery	31902	31903	41952	35252*			
41978	52257	52268	62792	freezing	7367	16252	97330
72629	104430	52265*		97332	26178*	86350*	97370*
systems	4096	43514	86704	frozen	7353	26159	35301
93006	13522*	32134*	36224*	75767	107821	107843	35238*
Australia		15308		bacteria		45212	
battery	4050	16632	22481	consumer preferences		55701	
22705	24255	32027	32072	containers		97330	
62756	62762	94517	74201	packing		26170	
82638	82652	93066	93524	situation and outlook		86360	
4280*	31812*	32034*	32130*	grading and standardization		7389	
52183*	52301*	62990*	93437*	55742	75794	35280*	
95771*	95773*	95778*	104477*	icing		55703	
104513*				irradiation		7355	
Great Britain		95744		keeping quality	97300	97354	
Japan	31857*	32018*	32044*	marketing	7379	35224	35237
	32049*	32059*	32070*	55703	66079	66090	75762
	32104*	32112*	33623*	75790	75791	86337	86362
	82686*	97968*		97339			
Michigan		33854		Canada	86228	97371	107787
Norway	95778*	4268*	93506*	107792			
USSR		104511*		Great Britain		45238	
colony and range	31812*	32063*		Hawaii		35273	
93519*				Japan	62963*	66100*	
confinement	4258	52301		New England States	26892	35285	
62748	93500	96013	32034*	Philippines		7362	
32137*	33837*	52338*	62750*	Puerto Rico		55745*	
62970*	93435*			Sierra Leone		65861*	
Germany				statistics		54592	
East Germany		31810*		microorganisms	86353	97374	
Japan	62987*	64628*		moisture	55728	55744	66114
Norway	4268*	93506*		107840			
henyard		93494*		nutritive value	4096	7377	
Japan	97842	32088*		packing	7361	75758	75765
				97284	107843	45210*	
				prices	35233	86337	86346
				86362	97296	107792	107799

\*Text of this reference is not in English.

	Item				Item				Item		
Poultry meat-- Cont				Powdery mildew-- Cont				Precipitation-- Cont			
processed			35302	rape		8990		effects on rice	34856	48139	
processing	7377	7389	26198	Rosa		37184		58894			
32118	35221	35274	35289	squash		47416		effects on soils	20839	29833	
55728	86343	86369	97291	tobacco		47226		39666	49668	29587*	49639*
97338	97354	97335*	104509*	wheat	9097	47371	47353	70285*			
Canada		86228	97290	Powdery scab				effects on Sphaerodema severinii		95165	
costs	45245	35223*	65861*	potatoes		99355		effects on tobacco		48486	
New Zealand			55749	Power	84737	84738	96072	effects on trees	21362	21364	
occupational diseases			93181*	74280*	97660*			14283*	40539*	47692*	
93185*				SEE ALSO Electric power; Electricity;				effects on wheat	78759	89434	
USSR		35307*	97167*	Hydroelectric power; Steam; Wind				Estonia		101864*	
processing equipment		7221	75797	machines				Finland		21363*	
properties	7355	35232	55744	Pox				France		67657*	
75796	86343			SEE Cow pox; Fowl pox; Rabbit pox;				Germany			
proteins	7364	45223	86343	Sheep pox; Swine pox; Turkey pox				East Germany	40721*	87013*	
97332	97373			PLO SEE Pleuropneumonia-like organi-				Greece		102126	
quality	7391	32110	55740	sms				Hawaii		81244	
22517*	72597*	93004*	107819*	Prairie dogs		286		Himalayas		58152	
refrigeration	7364	26178*	35238*	Prairie grain wireworm SEE Ctenicera				Idaho		77089	
regulation and inspection			7389	destructor				India	17460	20736	70330
7391	35316	55742	66095	Prairies				108065			100182
66117	86377			Canada		23931	19630*	Iowa			77094
Canada			97290	ecology			58184	Italy			101718*
France			55713*	Illinois			78029	Japan	36564*	88072*	
Germany			8200*	Indiana			99736	Kansas		17461	
Italy			97342*	Michigan			68373	measurement	30456	40724	50307
sanitation		66063*	97343*	Missouri			50959	61238	81239	81243	81255
situation and outlook		45219*	55719*	North America			68419	81256	101890	11192*	36566*
66071*	86376*			Oklahoma			38822	57366*	71347*		
spoilage	45212	97338	107840	Wisconsin			99805	measuring equipment		27597	
statistics	7345	107851	107852	Pramex SEE DDT, synergism				77090	102278		
storage	32118	45223	75796	Prangos			98918	Mexico		88088*	
97332	107821	107840	97335*	Prangos fedtschenkoi			78998*	Minnesota		80503	
structures			66079	Prangos pabularia			47704	New Jersey		77096	
tests			35238*	Praon nymphaeae			84102	New Zealand		50250	
trade			8259	Praon palifans	5410	14734	53413	North Carolina		2579	
8305	36179	57034	76809	95304	105905			Norway		11265*	
8200*	17161*	27178*	56989*	Praon volucre			64158	Pakistan		55341	
67352*	67386*	98278*		Prasiola stipitata			88985	Poland		39904*	
Europe	57034	27178*	56989*	Pratylenchoides guevarai			27380a*	Puerto Rico		57885	
108871*				Pratylenchus	37502	47593	88925*	Rio Grande Basin		80543	
European Economic Community				Pratylenchus brachyurus			88931*	Rumania		8513*	
8192	8203	17161*		Pratylenchus coffeae			58128	Scotland		12166	
Germany		17175	76809	Pratylenchus crenatus			88919	South Carolina	77085	77091	
Japan		8259	98278*	Pratylenchus loosi			47580	Switzerland		50968	
Poland			76821*	Pratylenchus penetrans	9264		37523	Texas		70723	
transportation			7342	47359	47571	58125	68328	USSR		40226*	
weight and measurement			66114	77965	88919	88923	88945	Utah	88074	91275	98683
107819*				99698	77956*	77981*		Washington		77089	
Poult				Pratylenchus scribneri			99726	SEE ALSO Hail; Raindrop erosion;			
anatomy and physiology			41925	Pratylenchus zeae	47581	88923		Snow			
93298				88931*				Precipitin test	4607	5365	13838
care			104492*	Prays citri	33416*	63652*	63653*	22965	22980	37438	37481
diseases			22683	95469*				82585	104902	4596*	13477*
feeding and nutrition	4056		4065	Prays oleellus		42662*	42696*	13528*	21866*	22620*	31883*
4114	13458	22535	22573	Precipitation	24572	27924	61234	31938*	32014*	42299*	62583*
22683	31867	41925	52177	61241	80567	81240	98668	72708	73010*	92563*	92600*
52178	52216	82560	93154	102168				93896*	107603*		
93161	72571*	93045*	93068*	artificial	57358	60717	88070	Predators SEE names of predators; and			
Arkansas			41910	109231	17471*	18871*		UNDER specific subjects			
Hungary			93098*	Australia			11211	Prednisolone	71837	12986*	52413*
growth		31867	93068*	Brazil			10094*	Prednisone		104175*	
infectious diseases	22635	62786		Canada			17462	Preen glands		104405	
104444*				China		90023*	109227*	Prefabrication SEE SUBHEAD prefabri-			
mortality			104514	effects on Agropyron desertorum				cated UNDER Buildings and kinds of			
parasites			104463	effects on animals			50159	buildings			
viability			32068	effects on Bothynus gibbosus			72830	Pregnancy SEE UNDER Livestock and			
weight and measurement			22689	effects on Bromus inermis			14533	names of animals			
Poupartia axillaris			41047*	effects on Cercospora beticola			50159	Pregnancy disease	42161	42162	
Pouteria	80*		46815*	effects on cotton			88839*	52429	22836*		
Powdery mildew			47421	effects on economic poisons			69487*	Pregnancy toxemia SEE Pregnancy			
apples	375	419	9025	effects on fertilizers			88615*	disease			
barley	375	9144	27159a	effects on fungi			60325	Pregnanediol		63072	
27197a				effects on grain			48138	Pregnant mare's serum	31682*	32181*	
Brassica campestris			8990	effects on herbicides			78531	82449*			
cantaloupes			9002	effects on insect populations			29154	effects on cattle	12831*	61944*	
cucumbers	429	27096a	47416	effects on insects			14283*	71953*	81958*		
27113*				effects on Lethocerus niloticus			4739	effects on sheep	72803	22811*	
Cucurbita			27756	effects on Phleum			95165	32181*	82750*	82756*	
grain			27177a	effects on plant disease			78516	Pregnenolone		89948*	
grapes			47365	47290*			88902	Preissia quadrata		99860*	
Heuchera sanguinea			99463	effects on plants	60421	69101		Premnotypes vorax		83330*	
Hyacinth Dolichos			27216a	38491*				Prepackaging SEE Packing; and SUB-			
Morus			53122*	effects on plums			88563*	HEAD packing UNDER specific subjects			
muskmelons	47416		68617	effects on pollen			46737	Preparation ASD		93689*	
oats			47886	effects on potatoes	58942*	100388*		Preparation U-3		85844*	
peas			47328								

\*Text of this reference is not in English.



Item	Item	Item
Prephenic acid 69207	Prices--Cont	Procaine amide 3898*
Prepuce 31556 4464*	policies and programs--cont	Procaine penicillin G SEE Penicillin G
Preservation of food SEE SUBHEADS	USSR 44075*	Procandida 99110
canning; drying; freeze-drying; freezing;	Venezuela 106629*	Procebalges n g 42917*
irradiation; lyophilization; preserva-	research methods	Proceras indicus 14140 105912
tives; processing UNDER Food and	linear programming 56283	Proceras polychrysa 33113
names of commodities	statistical 34133 34141	Proceras sacchariphagus 52845 53467
Preservatives SEE UNDER Food;	34148 65568 74477 84971*	53573
Lumber; Silage	situation and outlook 34135 34144	Processing 6213 15368 44105
Preserves SEE Jellies and jams; and	64852	conferences and congresses 96136
SUBHEAD canning UNDER Fruit and	Spain 54278*	cooperatives 44011 74504* 84972*
names of fruit	Sudan 74556	98229*
Pressley index 25268* 65266* 96717*	support 24430 36012 44069	costs 64856*
Prestoea 17754	56111	developing areas 54298* 84975*
Prevostea 105	Australia 96190	84976*
Prices 16539 24434 24500 24501	Canada 54272 74468	effects on nutritive value 7377
34136 34138 34140 34143	Great Britain 66740 84969	16015 16336 16361 25464
34150 34151 34152 34776	legislation 98255	34168 34169 34783 35103
64854 84961 84967 87652	Sweden 96188*	35110 35404 44395 44737
96129 106679 24437* 44072*	Switzerland 6253*	44774 54655 55290 75449
Alabama 34142 34156	Texas 34134	86320 107108 7074* 34491*
Belgium 106680*	USSR 74471 45517* 45925*	34837* 44094* 67448*
Bulgaria 54174 54279 74476	54276*	reviews 84980
86670*	Venezuela 34147* 74479* 84970*	equipment 53768
China 54275 64858	Virginia 34153	Germany 46356*
conferences and congresses 34131	Yugoslavia 87711	Illinois 24559
34154	SEE ALSO Cost and standard of liv-	Italy 67313*
control 44079 64859*	ing; Statistics; Subsidies; and UNDER	Ivory Coast 44102*
Australia 96190	names of commodities	Japan 64877
Brazil 106683*	Pricklypear SEE Opuntia	Poland 54333 6231*
Ceylon 24497	Primin 93992*	Sicily 56237*
developing areas 74469 107999	Primrose SEE Primula	statistics 15479* 24437* 24515*
European Economic Community	Primula	34190*
44068* 108537*	associations 1872 39256	study and teaching 6203*
France 6160* 64853*	culture 69818	Surinam 44101*
Great Britain 74474 84962	Great Britain 59738	Yugoslavia 56313
96189	Nepal 8690	SEE ALSO names of processes; and
Mexico 44071*	shows 39144	UNDER specific subjects
Sweden 34139*	varieties 10735 59745 69905*	Processor-grower relations 6195
Europe 74478 6165* 64856*	90405*	34167 35805 45860 56427
84968* 106682* 108314*	Primula acaulis SEE Primula vulgaris	64787 65516 84848
European Economic Community 44080*	Primula auricula 10807	European Economic Community 25298*
46395*	Primula elatior 100712*	France 44644* 75161*
farmer's share 24495 44018	Primula laurentia 17772	Germany 25380* 55051*
34146* 106677*	Primula malacoides 101319*	SEE ALSO SUBHEAD industry, verti-
Finland 74472*	Primula obconica 9412 29395* 68281*	cal integration UNDER names of ani-
France 107456 45438* 56067*	Primula polyantha 1887 79567	mals and crops
Germany 6162* 64857*	79603*	Procris schmidtii 105934*
East Germany 6163* 7923*	Primula sieboldii 115*	Procris statices 95461
Great Britain 44073 15453*	Primula vulgaris 36764*	Procyptotermes dhari 5626
history 15449 15450 65565	Primula warshenewskiana 67825	Proctodone 33354 73792
44942* 65566*	Primulaceae 8702	Proctolaelaps 14454 94697
Hungary 54188 56523	Primulales 18671*	Proctostephanus 106117*
Iceland 44078*	Priocnemis 84110* 95363*	Proctotrupidae 14805
indexes 64862 75779*	105909*	Proctotrupoidea
Montana 96192	Priocnemis hankoi 95365*	as parasites 84071*
Sweden 24498* 34139* 96191*	Priocnemis trigeminus 95365*	ecology 84107*
USSR 74471	Prionispa 73572	Finland 5448*
India 16743 44066 108057	Prionoceridae 73610*	India 5460
Indiana 24496	Prionochaeta 94973	Paleartic Region 14841*
Italy 44068*	Prionolomia 95201*	taxonomy 84095 43201* 43202*
Japan 46397* 84966*	Prionomitus 95317	64143*
Maryland 6166	Prionyx 53426	USSR 5452*
Montana 96193	Prisms 102475	Prodenia 95505
Netherlands 15451* 74473*	Pristiphora 14782	Prodenia eridania 5518
New York 64861	Pristiphora abietina 63706*	Prodenia litura
New Zealand 7788 45784	Pristiphora ambigua 23412*	control 4832 14115 63375
North Carolina 7872 7914	Pristiphora erichsonii 5331 33430	63550 105154
76296	53020 64152 64172	diseases 53481
North Dakota 74475	Pristiphora moesta 84065*	food and host plants 73837
Oklahoma 34134 45819 87039	Pristolytus 53278	Great Britain 53469
Pakistan 56493 76266	Pristonychus terricola 5202*	larvae 84164 106044
Panama 34146*	Pristothrips aptus 23964*	longevity 84165
parity 44067	Pritchardia 98947	nutrition 5554
Philippines 96194	Pritchardina n g 5106	oviposition 14845
Poland 84888* 84971*	Privet SEE Ligustrum	Prodinomyces tuberosus -94710
policies and programs 6137 34144	Proactinomyces SEE Nocardia	Prodontia 83837
34157 54182 84964 86909	Proarna bergi 43177*	Production
64855*	Proarna bufo SEE Proarna bergi	adjustments 7770 56242 56280
Bulgaria 54274	Proarna montevidensis 43178*	56283 65687 65759 66591
Burma 84958	Proarna uruguayensis 43178*	66636 66656 76202 86895
Canada 6474	Proatelerina n g 33502*	86909 86947 87106 97784
developing areas 84958	Problepsis 95437*	97811 98051 106760 108273
France 76671*	Probolocryptus n g 33051	56327*
Germany 44074* 106684*	Proboscidea arenaria 53435	Canada 26610 66371 108400
Great Briatin 84960	Proboscis 94543* 95471*	France 107456
Japan 24499 44077 34149*	Procaine 12598* 12984* 22231*	Georgia 97565
44070* 86022*	52107*	Iowa 76115 108432
		Italy 15905* 26713*

\*Text of this reference is not in English.

	Item			Item			Item	
Production-- Cont			Propionic acid	8568	29167	48581	Protein commodities--cont	
adjustments--cont			bacteria		15608	15632*	trade	
Minnesota	108444		effects on fungi			28252*	European Economic Community	85220*
North Carolina	7872	76296	herbicide			49491*		25135
South Dakota		75360	in cattle nutrition			12915	Protein fibers	
Western States		86847	in ruminant physiology			92021*	chemistry	
SEE ALSO Acreage and area, adjust-			in sheep physiology			4355	reviews	54795
ments; Agricultural products; Agri-			in soils			101816*	conferences and congresses	25136
culture, regulation; Policies and			Propionyl promazine SEE Combelen				manufacture	
programs; Statistics			Propolis 51870	12564*	42824*	105470*	reviews	54776
Production quotas	25062		Propomycelin			13323*	processing	34577
SEE ALSO UNDER names of crops			Propyl ethyl-n-butylthiolcarbamate				properties	25140
Production regions SEE UNDER Regions;			29321	34098	39431	39452	reviews	54864
and names of animals and crops			49419	53810			reviews	6599
Productive capacity SEE UNDER Agri-			Propyl gallate			65980*	structure	34532 107118 107188
culture; Collective farming; Farms and			Propylene glycol SEE 1,2-Propanediol				textiles	
farming; Forest labor; Labor; State			Prothiatermes shiva			14983	reviews	54762 54763
farms			Prosapia bicincta			23183	hydrolyzates	3798 23320 32226*
Progesterone	41691		Proscopiidae			43327	Proteinase	6401 10220 106910
effects on animals		3035	Proselenus n g			95072	Proteins	
effects on cattle	21996	22228	Proserine SEE Neostigmine				analysis and composition	15656
41466	72241	72281	Prosop				27347	41967 44864 54117
103682	3705*	31282*	anatomy and physiology			9913*	74349	84783 84801 85314
72136*			78569*	89382*			96102	96418 98430 6037*
effects on dogs		41758	breeding			19563	26047*	34494* 44587* 65692*
effects on guinea pigs		82489	culture	28496*	69373*	69454*	74346*	75453* 85925* 106577*
effects on horses		92902*	70581*				reviews	54120 54127
effects on mice		4014	fungus diseases			68120*	chemistry	33980 33989 43918
effects on pigeons			mechanization			33549	54117	61513 74337 75699
reviews		31980	pests			23256	75719	85440 6038* 64957*
effects on poultry		41994	proteins			78569*	65089*	65766* 70395* 106924*
reviews		31980	seeds			28529*	107472*	
effects on rabbits	42112	104534	soils		68120*	89382*	reviews	54094
effects on rats	72540	82502	starches			78569*	conferences and congresses	55583
104151	104199*		statistics			25764	74347	84765 84801
effects on sheep	13736	42189	varieties			48720*	extraction	34158 54281 74495
82849	104667		yields	28529*	48720*	70581*	86240	106710 44935*
effects on swine		83063*	Prosodes			63955*	hydrogen-ion concentration	
in animal physiology	51889	72996*	Prosoeuzophora impletella			84123	reviews	6047
Progestin SEE Progesterone			Prospanche bonacina			20227*	hydrolysis	3007
Progonia	105962		Prosopis			103671	in Acheta domesticus	103092
Programs SEE Policies and programs;			anatomy and physiology			28117	in Aedes aegypti	105804
and UNDER Extension work; 4-H Clubs			control	2052	20290	59359	in animal nutrition	12483* 12516
Progressive pneumonia SEE Pulmonary			culture			92419	27309*	30786* 41210* 41222*
adenomatosis			feed			101536*	41225*	41234* 61645* 71646*
Prohypotyphla	14691*		Prosopis chilensis			101536*	71663*	91852* 91856* 103128*
Proisotoma	84217*		Prosopis juliflora SEE Prosopis chilensis				in animal physiology	20509 21891
Prolabidocarpus canadensis	33100		Prosopis spicigera	50767	89927		reviews	21860
Prolactin SEE Luteotropin			Prosoplus	42962*	94825*		in Apis mellifera	73445*
Prolamins	25579*		Prospodectes SEE Notoedres				in Blaberus craniifer	33471*
Prolan	62158*	72136*	Prosopoxycopa SEE Xycopa (Proso-				in Bombyx mori	14342 53121
Prolasioptera berlesiana		83436*	poxycopa)				105491	
Prolidoximes	42531		Proso			95542	in buffalo nutrition	12826
Proline	4136 10242 10262	23646	Proso			95274	in cattle nutrition	3487 3507
48104	99560	58986*	Prospaltella			64081*	12855	12928 22046 22058
Promazine	104105		Prospaltella perniciosi	4858*	73264*		22119	22129 22133 31234
Promazine hydrochloride	104107		Prostate gland	3866	31620	92698	41506	51726 71910 71990
Promecilla	95311*		103970	52014*			72072	72086 81989 82125
Prometone	101494		Prosthaptus			73610*	103520	3495* 22038* 30806*
Prometryne	34702 70180	50875	Prosthesis	13260 13288	41748		41541*	41557* 51772* 62108*
29286*	101475*	101552*	72439	31592*			62082*	72273* 82168* 92282*
Promintic SEE Methyridine			Prosthogonimus macrorchis			41972*	92283*	92295* 92352*
Promyialges n g	83773*		Prosthogonimus pellucidus			82622*	reviews	31224
Pronase	34622		Prostigmata			105558	in cattle physiology	92573 82239*
Pronophyla thelebe	32916*		Protoetia		43010*	63964*	82257*	
Prontaspis yanonensis SEE Unaspis			Protanyderus margarita			95047	in Chironomus	43089
yanonensis			Protanyderus vipio			33190	in Chironomus thummi	23678
Propagation, plant SEE SUBHEADS propa-			Protea			94772	in Culex pipiens	14699
gation; rootstocks UNDER Plants and			Protea macrocephala			26894a	in dog nutrition	22319
names and classes of plants			Proteaceae	112	703	89898	in Drosophila	43089
Propane	48490*		77401*				in Drosophila melanogaster	5272
1,2-Propanediol	55969	62175*	Protease			44587*	33209	43062 83978 105712*
Propanil SEE Stam F-34			Macrosiphum pisi			14766	in fox nutrition	104065*
Propanoic acid SEE Propionic acid			in milk	65100	24840*	85323*	in goose nutrition	4098 4099
Propanol	25279		in Pieris brassicae		64203*	64204*	4100	
Propazine	60095*	70193*	in plants			1354	in Heterometrus scaber	94767
effects on Coniferae		50791	in poultry physiology		52299	93286	in human nutrition	5994 17206
effects on Pinus banksiana		50875	13494*				17219	17223 27346 36311
effects on plants		28123*	in soils			60190	46455	46456 54281 55618
toxicity		70192*	in wool			34622	57103	57107 67407 74325
Propene polymers	95771*	95778*	Protective milk			74768	74495	76844 76845 76860
Properdin	13133*	31309*	reviews		6425	6442	76883	76886 85018 98339
Property	46139*	46179*	Protein commodities		7201	107761	98340	98341 108932 108942
Propham SEE IPC			analysis and composition			13445	24406*	27293* 27309* 27312*
beta-Propiolactone SEE Hydracrylic			conferences and congresses			97215	27317*	27319* 27323* 36320*
acid beta-lactone			processing			85018	36333*	57098* 87736* 87745*
Propionates	3115	3533	situation and outlook	96082		97045*	87770*	
Propionibacterium acnes		4567						
Propionibacterium jensenii		44270						

\*Text of this reference is not in English.





	Item		Item		Item
Pseudacanthotermes	95617*	Pseudomastinocerus n g	95078	Pseudorabies-- Cont	92837*
Pseudacteon	43052*	Pseudomermis hagmeieri	94842*	sables	63089
Pseudagrion	14940	Pseudomermis frugida	95327	sheep	63127
Pseudaletia separata		Pseudomictis n g	95201*	swine	4586
anatomy and physiology	95471*	Pseudomonas	436	63239* 83031*	83084*
95439* 95554* 106008*		apples	20474	Bulgaria	32506*
control	105161*	cattle	58042*	diagnosis	32420*
cytology	106007*	endive	13095*	Germany	83061*
larvae	105945*	grapefruit	88861*	East Germany	93840*
migration	95468*	identification	18254	immunization	73002
reproduction	105996*	poultry	431	4017* 13851*	32433*
Pseudaletia unipuncta	63534*	poultry meat	93206	93899* 104896*	
reviews	23092	safflower	7352	prevention	104897*
Pseudagrion	95654	tobacco	9184	resistance	32472
Pseudalmenus chlorinda chloris	43260	turkeys	58046	treatment	93887*
Pseudancistrus n g	5126*	Pseudomonas aeruginosa	13564*	vaccines	12547*
Pseudanidia duplex	84069	53479 62308 73709	104970	32529* 103908*	104896*
Pseudaulacaspis pentagona	23308*	106011 106045 106046	92095*	virus	21812
23337* 43179*	52913*	Pseudomonas angulata	99562	72235 3248*	30958*
Pseudechiniscus	94723	Pseudomonas caryophylli	9179	61714* 61920*	81862*
Pseudechiniscus bartkei	5114*	37408 47432		104809*	
Pseudeucoila	23814	Pseudomonas cichorii	58040	Pseudorhinotachina SEE Rhinotachina	
Pseudeucoila bochei	83945*	Pseudomonas coronafaciens	100048	(Pseudorhinotachina)	
Pseudeurotium	37010	47457*		Pseudorubellia n g	53527
Pseudholophylla furfuracea	83282	Pseudomonas fluorescens	45229	Pseudosabicea n g	17683*
Pseudospella	23624*	Pseudomonas fragi	6019	Pseudosaprocicus	83816*
Pseudivongius lamottei	5203	Pseudomonas glycinea	27271a*	Pseudoscapionida SEE Chelonethida	
Pseudo fowl pest SEE Newcastle disease		Pseudomonas lachrymans	432	Pseudosinella	5628
Pseudoacacis n g	83888*	Pseudomonas marginalis	37396 37830 47459	Pseudosphingonotus n g	73881*
Pseudoalleles SEE Alleles		Pseudomonas mors-prunorum	433	Pseudotetrademus n g	36961
Pseudoarachnotus	8848	Pseudomonas phaseolicola	434	Pseudothaumatomyia n g	5297*
23556 67946		9193 37415 68243	437*	Pseudotrechiana n sgen	94886*
Pseudobotrytis	8879	18249*		Pseudotsuga	50727*
Pseudobrevicoryne erysimi	95195	Pseudomonas pisi	47441	Pseudotsuga douglasii SEE	
Pseudocentropilum	73892*	Pseudomonas savastanoi	9185	Pseudotsuga menziesii	61532
Pseudocercidis rosae	5421	47428*		abnormalities	37666
Pseudocethera	5430*	Pseudomonas septica	23239*	age	50648
Pseudochiridium insulae	42924	Pseudomonas sesami	37398	anatomy and physiology	9709
Pseudoclitia n g	105936	Pseudomonas solanacearum	9189	23415 48209 61099	48529*
Pseudocloeon	5619*	16044 18248 18260	37387	80098*	
Pseudococcidae		37405 37407 37514	38628	bark	12429*
and plant diseases	52926	68244 99545 99547	18243*	biochemistry	48529*
biology	84049	88863*		breeding	50837
development	84050	Pseudomonas syringae	27266a	clear cutting	30372
food and host plants	5373	77861 99559 58050*	47213	cones	9709
Hawaii	5379	Pseudomonas tabaci	9192	40649 40859 53026	81186
India	5372	88858	47435	81198 83557 105370	30397*
taxonomy	53410 64091 64092	Pseudomonas tonelliana	13251	control	32910
64094		Pseudomonas tumefaciens SEE		crowns	81186
USSR	14772*	Agrobacterium tumefaciens		culture	50788
United Arab Republic	43156	Pseudomorphacris notata	5576	California	61029
Pseudococcinae SEE Mealybugs		Pseudomorphacris notata notata	53534	Canada	21320
Pseudococcus	53410	Pseudomygaleicus	14510*	Europe	2779*
Pseudococcus chloris	5379	Pseudomyrmex	105904	Germany	2782*
Pseudococcus citri	14182	Pseudomyrmex apache	14790	Hungary	2756*
biochemistry	95221	Pseudonapomyza	14674	Italy	50712*
biology	84049	Pseudonotocia SEE Potosia		Oregon	40641
control	14218 83441*	(Pseudonotocia)		Rumania	2764*
immature stages	84050	Pseudopanurgus (Heterosarus)	105901	diseases	27001a
parasites	95329	Pseudoparlatoria	53411	ecology	50788
Pseudococcus comstocki	105845	Pseudoperonospora cubensis	47215	fertilizers	21223
83559*		99305*		France	61059
Pseudococcus importatus	53402	Pseudoperonospora humuli	37204	fungus diseases	333
Pseudococcus maritimus	42716	47227		9143 37293 99526	9142*
63631 83424		Pseudopeziza	27145a*	genetics	21259
Pseudococcus microcirculus	53402	Pseudopeziza jonesii	47191	germination	21261
Pseudococcus njalensis SEE		Pseudopeziza medicaginis	47191	growth	12089
Planococcoides njalensis		Pseudopeziza ribis SEE Gloeosporium		40557 50726 50758	51215
Pseudococcus obscurus	5379	ribis	4642	hardiness	50943*
Pseudococcus pipturicolus	5379	Pseudophonus rufipes	8829	harvesting	61102*
Pseudococcus vitis	63657	Pseudopregnancy	13617	injuries	50965
84050		Pseudopterocomma SEE Fullaway	72710	50943* 71234*	81198
Pseudocolaspis	105675	(Pseudopterocomma)		introduction	91583*
Pseudocorchorus n g	17653*	Pseudoptilinus n g	14541*	measurement	60977
Pseudocowpox	3641 3601*	Pseudorabies	92000* 92013*	80990	
Pseudodellamora	14515*	cats	13240	morphology	18484
Pseudodelphacodes n g	64131*	cattle	72235 61793*	mortality	63728
Pseudodictyosiphon constructa	68604*	103908*		Northwestern States	81548
Pseudogeloius n g	53527	diagnosis	21812	Oregon	30372
Pseudogonatopus	43193*	dogs	13240	Pacific Northwest	61246
Pseudohadena oxybela	23827*	foxes	92817*	pest control	81278
Pseudohemiteaxonus sharpi	5439	laboratory animals	4017*	53031 105370	50944
Pseudohypertrophic muscular paralysis	92511	minks	61793*	pests	23381
Pseudolimnophila	33135	rabbits	92817*	63728 94478	53026
Pseudoliptena SEE Anthene		resistance	92013*	105371 242*	95035
Pseudoloxops	5398*				

\*Text of this reference is not in English.



Item			Item			Item		
Pseudotsuga menziesii--Cont			Psoralea plicata			Psyllidae--Cont		
planting	2850	61059	Psoralea	8668		populations	5385	23743
Poland		81611	Psoralen	28377		predators	43055	63633
pollen		105370	Psoralgidae	42917*		taxonomy		23761
propagation	12105	50846	Psorergates bos	53192		53403*		
pruning		80990	Psorergates ovis	14046		Psyllina SEE Psylloidea		
pulpwood	12368	12388	Psoromic acid	28332*		Psylliodes		94834
81511		30655	Psorophora confinnis	64064		Psylliodes chrysocephala		52881*
release		71280	Psorophora ferox	4693		83359*		
seed-tree cutting		91516	Psorophora howardii	105802		Psylliostachys		98918
seedlings	2840	2850	Psoroptes communis bovis	32660		Psylloidea		95262
40641	48209	50878	Psoroptidae	63859*	83774*	5404*	95222*	95232*
81117	102748	12026*	Psorosis			Pteracarus		94708*
12116*	12145*	12090*	oranges	27337a		Pterandrus rosa SEE Ceratitis rosa		
seeds	21261	37740	Psychidae			Pterempis		5234*
102670	12090*	61137*	as pests	105950		Pteretis		88428
collecting		71234*	Austria	23904*		Pteretis nodulosa	37675	17822*
Europe		102729	biology	83557	23847	Pteretis pennsylvanica		89340
treatment		50878	collecting	53487		Ptericoptus		64137*
sites		30280	France	105933*		Pteridaceae		37717*
soils	21362	60210	larvae	33399*		Pterideae		37790*
12026*	70429*	80098*	Pennsylvania	83489		Pteridine		64239
thinning		40616	taxonomy	23879*		53496*	105497*	
weed control		12052	Psychocentra n g	23879*		Pteridium		78873
wood		12238	Psychoda alternata	83268		anatomy and physiology		90669
12352	12432	30629	Psychoda minuta	53351*		control	39473	39478
40887	40931	51135	Psychodidae			genetics		875
51341	61345	61418	anatomy and physiology	5315		toxicity	4545	72159
71567	81610	91690	73622	95101		82142		
91766	102940	102944	Afghanistan	95102*		Pteridium aquilinum		20013
12324*	21480*	51345*	and disease	23164		anatomy and physiology		38325
		30289*	Austria	84007*		78874	99830	48309*
Pseudotsuga menziesii glauca		71197	Brazil	23682*	23683*	biochemistry		38507*
Pseudotsuga taxifolia		71582*	ecology	53351*		control	11083	39485
Pseudotuberculosis		3932	France	43077*		70107	79809	11083
13318*	104208*		geographic distribution	43103		90740*		101553
Pseudowintera		89202	larvae	95101		cytology		99829
Pseudowintera colorata		68425	Malaysia	5290		ecology		9339*
Pseudoxenos		53583*	North America	43121*		toxicity		61752
Pseudozumia		84105	rearing and breeding	5259		reviews		101514
Psibala n g		14743	Rumania	95103*		Pteridium esculentum		73236*
Psicose		10209	taxonomy	5307		Pteridophyta	30380*	46922*
Psidium SEE Guava			Venezuela	23676		anatomy and physiology		909
Psila fimetaria		32781	Psychology	8190	17132	951	1103	1112
Psila rosae	13983	94316*	27172	36015	70723	37634	68937	28245*
biology		105741*	8191*	98250*	108805*	Australia		77432
control	23245*	63569*	research methods			Austria		156
insecticide resistance	13916*	23245*	statistical	27173	36177	Brunei		17569
rearing and breeding		64025	SEE ALSO UNDER Children; Youth;			California		88154
Psillidae		64025	and names of animals			Canada	159	731
Psilocaulon		77307	Psychomyidae	14986	14969*	Chile		88432
Psilocybe caerulescens		90784	Psychomyiellodes		53573	culture	10822	20034
Psilocybe cubensis		58975	Psychotria	77334	98937*	90420	28947*	9513
Psilocybe mexicana		8882*	Psychotria bacteriophila		99549	37669*	37792*	9540
Psilocybin		58975	Psychotria officinalis		20228*	diseases		8950
Psilonyx		23656	Psychotrieae		68428	ecology		47652
Psilopa petrolei		73624*	Psychotrine		38521*	27445a*	98993*	46940
Psilopsocidae		84235	Psychrometry	61228	27609*	Ethiopia		98996
Psilopsocus mimulus		84235	Psydrinae		14549	Finland		9513
Psilotreta		106131	Psylla	43168	64123	identification		46801
Psilotum nudum		27155a	95208*		32285	Illinois		57673
68487	706*	68556*	Psylla foersteri		52921	India	17820	88427
Psilurus aristatus		99756*	Psylla pyri		52938	88429	98989	67893
Psithyrus		95313	23309*	23778*	63615*	Japan		67894
Psittacanthus		37810	Psylla pyricola		5386	Kentucky		8773
Psittacosis		81813	and plant disease	4857	63621	Laos		26915a
control		3229*	Canada	14778	32865	Malaysia		17569
Germany		12653*	collecting equipment		95167	Michigan		36941
India		62887	control	4840	14195	morphology	600	615
man		3225*	42692	52961		745	746	18497
mice		3190	food and host plants		64132	68575	99820	89181*
transmission		93177*	predators	42692	95272	New Zealand		99011
virus		93177*	Washington		23282	pest control		8950
SEE ALSO Ornithosis			Psyllaephagus pulvinatus		23738	pests		63668*
Psittacosis-lymphogranuloma group			Psyllidae			Singapore		17819
13737	22847	104713	Africa		43184	Southeast Asia		98991
3190*			anatomy and physiology		14757	taxonomy		17828
cattle		51936	biology		14778	8699*		
sheep		4431	control		63633	reviews		46939*
Psittanyssus n g		63860*	food and host plants		95170	Thailand		26915a
Psittophagoides n g		83773*	France		23778*	Tonga		17818
Psocoptera	14989	84234	Great Britain		23761	USSR		46942*
95669	14065*	95680*	habits and behavior		5386	varieties		20058
Psoralea		8668	Japan		43168	Virginia		17817
Psoralea bituminosa		51421*	Korea		64105*	West Virginia		26913a
Psoralea corylifolia		8668	nymphs		23743	Wyoming		26818a
Psoralea drupacea		8668	oviposition		5385	Pteridopus n g		94766
Psoralea lanceolata		49531	Mongolia		95208*			
			parasites	14834	14836			
			95170		63633			

\*Text of this reference is not in English.

		Item			Item			Item
Pterins		73825*	Puccinia arachidis		88695*	Pulicella n g		84233
Pteris	20057	57681	Puccinia asparagi	27130a*	99348*	Pullorum disease	52296	31973*
Pteris cretica		17821	Puccinia butleri		58229	104450*		
Pteris longifolia		99868*	Puccinia carthami	8995	47296*	Bulgaria	93362*	104456*
Pteris vittata	27532a	48180	Puccinia coronata	9109	18178	causes	104369*	104436*
Pterocarpus	51329	74365*	37218			Colombia		41988*
Pterocarpus angolensis		21149	Puccinia coronata avenae		9093	control	32101	52281
Pterocarpus indicus	61555	91754	9629 18238	77637		62811*	62844*	93323*
Pterocarya		38371*	Puccinia cruciferarum		67981	diagnosis	62870	82585
Pterodectes rosickyi		63850*	Puccinia glumarum	405	9135	62875*	93224*	104435*
Pterodiscus aurantiacus		88276	18053 37222	47327	47368	eradication		22681
Pterolichidae	14461	63865	47375 58024	68125	88734	India		104383
Pteroloma		83843*	9001* 9102*	37335*	57959*	Japan		93269*
Pterolomini	94877*	94878*	27088a*			New Zealand		104429
Pteromlidae			Puccinia graminis	47374	68102	prevention	13501*	93356*
as parasites	64158	105888	Berberis	47265*	47305*	rabbits		93552*
63721*			genetics		9631	resistance		93325*
Australia		14835	grasses		47265*	treatment	104376*	104416*
hosts	64167	64173	Poa		99520	Pullularia fermentans		10236
longevity		43210	Triticum		783*	Pullularia pullulans	89578	12293*
Poland		95280*	wheat		99492*	Pullus		73576
Pteromalus puparum		33387	Puccinia graminis avenae	18205	77698	Pulmonary adenomatosis		13680
Pteromonas angulosa		8818	Puccinia graminis secalis	9161	77697	13683 72203	52427	104650*
Pteronarcys californica	23961	63407	Puccinia graminis tritici		18095	104651*		
Pteronarcys proteus		23961	18138 18178	18692	37198	Pulmonary emphysema	72489	92909
Pteronyssus centurus		14461	37208 37329	37908	37987	104120		
Pteronyssus gaudi		63850*	47263 47280	47343	47368	Pulmonary stenosis	52019	62524
Pterophoridae	84155*	95556*	47373 47377	47413	47850	Pulp and paper		61434
23872* 105927* 105928*			57958 68148	68196	77699	acetylation		12433
Pterophorus		73801	anatomy and physiology	382	58628	alkali		21604
Pteropliini		94824*	100402*			21636 40999	51229	51253
Pterosiphonia		46955	Berberis	47286	47390	61451 61462	61557	71478
Pterostichidae SEE Carabidae			47409*			91716 102968	12380*	51233*
Pterostichinae		14567*	biochemistry	69309	69330	54835* 61467*	71496*	102975*
Pterostichini		94970*	Bromus		47409*	bibliographies		21637
Pterostichus	5582* 94896*	94970*	conferences and congresses		47259**	reviews		71474
105603* 105604*			grasses	47287	47388	analysis and composition		21570
Pterostichus oblongopunctatus		5159	Italy		47205*	21578 21611	25120	61432
Pterostichus (Scaritomorphus) n sgen		94896*	Spain		18230*	61470 30647*	51266*	51267*
			wheat	8995	9588	84782*		
Pterostylis	26856a	10709	18177 27152a	37283	47388	associations	61475 81496	12393 51228
Pterotmetus staphyliniformis		5433	47390 88809	88837	99367	bibliographies		12396
Pteroylmonoglutamic acid SEE Folic acid			9071* 47206*	47283*	47344*	bisulfite	12370	12374
			47383* 57959*	57981*		21590 21596	41002	41022
Pterygiella		98868*	Puccinia horiana		68136*	41034 45397	61494	102967*
Pterygosomidae		63887	Puccinia hordei		88734	bleaching	7565	12372
Ptilidium californicum		57682*	Puccinia menthae	9033	9059	12391 21597	26382	30659
Ptiliidae		83897	88827			30662 51270	61427	61473
Ptilinae		14541*	Puccinia pampeana		99407*	61474 91734	107527	102954
Ptilinus		73596*	Puccinia pittieriana		343	21633* 21638*	51265*	54770*
Ptilinus banatensis SEE Pseudoptilinus			9023* 77676*			54899* 71473*	71500*	
banatensis			Puccinia podophylli	687	47772	Canada	12389	81507
Ptilonyssus	42950	94705	68562			chemimechanical	30645	61440*
42914* 42916*	63860*		Puccinia polysora		27188a*	chemistry	2981	12358
Ptilopsina nigrisquamata		94994*	Puccinia psidii		53058	21561 21603	21617	21620
Ptinidae	83860*	94439*	Puccinia purpurea		99416	21624 30649	30655	30707
Ptinus ocellus	73290	83831*	Puccinia recondita	373	396	51241 51269	61507	81516
Ptinus tectus SEE Ptinus ocellus			18178 37183	37207	37283	12359* 51233*	61493*	81489*
Ptochomyza		105770*	37329 38093	47368	57937	102978*		
Pthorodius		23627*	57958 68102	77799	18146*	cleaning		21606
Ptychoporidae		94995	37239* 99493*			cold soda	41007	41017
Public affairs	46110	86596	Europe		37240*	45388 51262		41023
87520 87543	98102		grasses		47384*	color		12359*
Public relations		36068	India		47318	conferences and congresses	61498 71478 91717	61425
56844 67134	76591	76622	Italy	37185*	37186*	61498 71478 91717	21632*	40992
8130* 56826*	76599*		New Jersey		99332	Asia		40992
Argentina		87419*	wheat	9173	37326	Canada	12362	61437
Europe		67164*	47911 78315	18078*	47220*	Germany		30663*
Germany	46226*	56830*	47382* 57959*			costs and returns		91723
Norway		36050*	Puccinia sorghi	9086	47859	deresination	12381	21586
Spain		97556*	47970 99276	27188a*		102969		61478
Sweden		8141*	Puccinia striiformis SEE Puccinia			directories		12382
SEE ALSO Advertising; Periodicals;			glumarum		27251a	Canada	12361	21615
Radio; Television; and UNDER			Puccinia terrieriana		47296*	30656*		81486
specific subjects			Puccinia trititina SEE Puccinia recondita		68182	Japan		51254*
Public services SEE Communities,			Puccinia verruca		47055*	Southern States		51258
services			Puccinia versicolor		37272	dissolving	12373	21592
Public speaking		67202	Pucciniaceae			30638 30648		
Publications SEE Bibliographies; Books			Pucciniastrum epilobii			drying	12363	21583
for farmers; Documentation;			Pueraria SEE Kudzu			61499	81516	91728
Periodicals; and UNDER names of			Puerperal diseases	22954*	41583*	equipment	21574	51249
authors and issuing agencies			51911* 92553*			Finland		102982
Puccinellia capillaris		79341	Puerto Ricans in U S		86703	groundwood	21598	51230
Puccinellia vacillans		36832	Puget Sound wireworm SEE Ctenicera			81493 81504	71472*	
Puccinia	394	37231	aeripennis			bleaching	30645	30650
79066 99074*			Pulicaria n g		23854	manufacture	21567	40977
Puccinia agropyri	47226*	77708*	Pulicaria		28379*	40994 41008	61447	71488
Puccinia antirrhini	52975	99353	Pulicaria inuloides		36910*	71491 71494	81491	81483*

\*Text of this reference is not in English.



	Item			Item			Item	
Pulp and paper--Cont			Pulp and paper--Cont			Pulp and paper--Cont		
groundwood--cont			materials--cont			sulfate--cont		
properties	30658	41019	Asia			bibliographies		21637*
71491 102955*			Australia	40984	61510	bleaching	21634	51249 102965
storage		61449	Belgium		51244*	chemistry		21558 41020
history	2977	51277	bibliographies	34643	107516	51261	61430	61451 61464
hydrogen-ion concentration		21561	Burma		41031	61481	61479*	
61473			China		45381	hydrolysis		21584 61433
delignification	21626	61427	Finland		61471	manufacture		21631 30636
61489*			India	25215	25635	30651	30654	40978 45388
industry	41004	51273	30645	34553	34611	61450	61465	71508 71509
Alabama		71480	44439	45383	45384	61497	91726	102984 21580*
Argentina		2982	71501	86494		61431*	61486*	81502*
Asia		41029	Indonesia		44961	products		61461
Australia		21562	Japan	40998	45391	properties		21634
Canada	51248	71484	Korea		107449	41020	81484	91721 102958
European Economic Community			Malaysia	41025	91660	21580*		
40990*		81515*	Mozambique		102963*	strength		61457 102980
40991*			Netherlands		44936	waste utilization		21576
Finland	61471	61502	Nigeria		44844	yields		41020
81518	40912*		Norway		12367*	sulfite	12366	12376 12388
India		41026	Pakistan		45392	21605	25120	30643 30706
Italy	61472	102971	Philippines		40980	60477	12397*	21685* 51259*
Japan	21585*	51254*	Poland		61497	61440*	61488*	
Korea		41016	reviews		71485	analysis and composition		21560
Latin America		41013	Rumania	54794*	54899*	71503*		
Malaysia		81506	Sweden		91731*	bleaching		21634
New England States		12377	Taiwan	44446	44472	chemistry		21558 21591
New Zealand	40996	61508	Thailand		41031	21619	61443	
75149			Venezuela		40997*	cleaning		21564
New York		61453	Mexico		46126	conferences and congresses		
Norway	12371*	40981*	microorganisms	2979	27396a	81490		102961
61452*		51263*	41000	58599	2988*	manufacture		21631 61444
Scandinavia	40989*	40990*	reviews		2986	71504	81511	102960 102962
Southern States	51260	51273	moisture		30647*	30641*	81482*	81513*
51278	71470	91729	mulch	40641	61085	properties		21591 21612
Sweden	51274	102972	oxidation reduction potential		12390	21634	51234*	
Taiwan		81487*	pest control		94431	situation and outlook		41003*
USSR		21601*	policies and programs		70951	strength		61457
Vietnam		41015	prices		12398	Sweden		61428
kraft SEE Pulp and paper, sulfate			products	21608	91732	yields		30657*
magnetite	61435	61436	71489*		102983	tests	21607	30662 41025
manufacture	12365	12373	properties	2983	12363	61459	81495	102981 41011*
21557	21559	21572	12387	21559	21582	trade		
21593	21597	21605	21592	21595	21597	Austria		12356
21638	30638	30659	21628	40995	41001	developing areas		102979*
40984--40986	41005	41012	61436	61492	61499	European Economic Community		
41032	44431	44873	61503	81503	81516	Finland	71489*	81515*
51256	51268	51275	91728	21594*	21638*	Netherlands		51277
61469	61487	61503	102975*			Norway		61289 81515*
71495	81492	91767	quality	21616	81505	statistics		61426
21566*	40988*	51237*	61468*		30660*	Sweden		81515*
61489*	71477*	71506*	reviews		21589	viscose	2987	21577 21602
81500*			research methods			21621	30644	51241 102964
Australia	21607	21636	statistical			71479*		
bibliographies	21568	40983	bibliographies		21563	waste		
Canada	21610	61509	reviews		2984	reviews		2985
China		45381	semichemical	12376	12383	waste utilization		21605
Congo		21614*	21612	40982	41006	21681	71497	91732
costs		41012	45327	51271	61456	yields	6173	21582 51229
Finland	21633*	61480*	81510	91721	102983	61468*	102978*	
France		30637*	41011*	51240*		SEE ALSO Newsprint; Pulpwood; Sul-		
Great Britain		81488	situation and outlook	21625	30642	fate liquor; Sulfite liquor; and SUB-		
India		45384	51273	61447	61504	HEAD in pulp and paper manufacture		
Indonesia		44961	Australia		2980	UNDER specific subjects		
Japan		45391	Canada		81494	Pulpwood	21608	61492
Malaysia		41025	Europe	30664	51247*	analysis and composition		71557
Netherlands		44936	Southern States	51260	51273	21635*		
New Zealand		41018	Sweden		102972	associations		41030
Pakistan		45392	USSR		41027	bark removal	30635	21635*
Philippines		41028	soda	21571	34611	Belgium		51244*
Republic of South Africa		71486	21637*	61445*		care and handling	21565	102974
91718			statistics	2978	12385	chemistry		71557
reviews		71502	21569	30639	71505	conferences and congresses		41030
Southern States		21586	storage		21599	81481		
Sweden		91720*	strength	12395	71507	Congo		21614*
Taiwan		44446	study and teaching		41009	consumption		30646
USSR		41027	Canada	71493	81509	decay		21446*
materials	2976	6591	Germany			fibers	2983	12355 12376
21573	21595	25123	East Germany		21613	12387	12395	21564 21583
26377	30665	40979	Maine	51243	81498	21604	21607	21609 21612
41011	44431	44447	Norway		81508*	21616	30640	30643 41005
44518	44873	45310	sulfate	12368	30643	41019	61490	61496 71507
45333	45344	45377	51272	61476	91723	81484	81503	81499 81512
45397	51251	51255	102953	102973	102964	91719	91726	102985 21594*
55957	66240	71475	51232*	61488*	91722*	Germany		
74380	107527	30661*	analysis and composition	61429		East Germany		50582*
51257*	51264*	54835*						
61463*	61501*	61506*						
81500*	97522*							

\*Text of this reference is not in English.

	Item		Item		Item
Pulpwood-- Cont		Pumps-- Cont		Pyralidae-- Cont	
grading and standardization	51252*	New Zealand	84743	larvae	5489 64211
harvesting 21411 51048	51052	Pakistan	40144	longevity	73784
51061 81291		parts	106529*	Louisiana	23021
Canada 12211	12212	tests	43870*	Malagasy Republic	64237*
industry 11936		types 60679 80650*	84746*	Morocco	4847*
labor 21627		USSR 43516*	74287*	North America	43278
loading 30489*		96077* 96079*	106530*	populations	14850
losses 21635*		Punched cards SEE Data processing		taxonomy	53512
marketing 21618 40987	61466	equipment		Texas	95376
12324* 102966*		Puncture vine SEE Tribulus terrestris		Pyralididae SEE Pyralidae	
moisture 81504	71406*	Punica granatum SEE Pomegranates		Pyraloidea	84155 95431*
prices 12386 12392	61483	Purchase and sale programs	6089*	Pyrameis cardui SEE Vanessa cardui	
61484		74402*		Pyramin	79768*
processing 21627*		Bulgaria	54174	Pyranometers	21073
properties 40993 102955*		China 64786	74398	Pyranone derivatives	78965*
purchasing 21629		Czechoslovakia	43999*	Pyrausta nubilalis SEE Ostrinia nubilalis	
research methods		Hungary 54188	74395*	Pyrausta (Parasitochroa) n sgen	95431*
linear programming	21629	Korea	106614	Pyraustidae 5542 23883	84122
seasoning 21446*		Poland 74420	86157*	Pyraustinae	64211 43288*
situation and outlook 30646	61454	USSR 44075*	64801*	Pyrenes	16300*
91724		106623*		Pyrenochaeta	67966*
Southern States	51276	SEE ALSO UNDER specific subjects		Pyrenochaeta oryzae	88537
statistics 51239 51276	61458	Purchasing	84901*	Pyrenochaeta terrestris	18752 37242
71487		Purines		68184	
storage 12378		effects on Spirodela polyrhiza	68802*	Pyrenoids	79068
Sweden 71471*		effects on Streptomyces rimosus		Pyrenomyces	88503 1219*
trade		18908		anatomy and physiology	9815
Canada 71487		effects on tobacco	9662*	cytology	47806
Norway 61289		in algae 69161		Poland	37028*
Scandinavia 61483*		in animal physiology	78958	taxonomy	88524
transportation 51242	12214*	in mung beans	1289	Thailand	46973
by tractor 91727	30489*	in peas 1304		Pyrenophora	17871*
by truck 61442 81291	81342*	in Pieris brassicae	14894*	Pyrenophora avenae SEE Helminthosporium avenae	
by water 102970	61312*	in plants 38632	78958	Pyrenophora bromi	88729 99284
Canada 61301		in poultry physiology	4157	Pyrethrins	
Sweden 71483*		in wheat 19417	47377	adjuvants	14052
Tropics 21612		Puromycin 9389		chemistry	63391
weight and measurement 12375*		Purple vetch 20782		cockroach control	4900 105343
21600* 71471* 71483* 102966*		Purpura 3794	22327	effects on Haematobia irritans	14052
SEE ALSO Wood chips; and UNDER		Purpura hemorrhagica	92922	effects on Stomoxys calcitrans	14052
names of trees		Purshia tridentata		fly control 13933 14052	83228
Pulpy kidney SEE Enterotoxemia		ecology 564	9313	94130	
Pulque 54434*		genetics 78320		grain pest control	105333*
Pulsatilla SEE Anemone		germination 19102		household pest control	14225
Pulsatilla vulgaris SEE Anemone pulsatilla		pests 73177		in plants 93968	79083*
Pulse rate SEE Heart rate		seeds 1612		insect resistance	93959
Pulses SEE Legumes		weed control 49484		insecticides	42430*
Pulvinaria 23748*		Purshia tridentata glandulosa	1612	metabolites	83228
Pulvinaria aurantii 84070		Putrefactive anaerobe no. 3679	45028	mosquito control	94150
Pulvinaria psidii 83487		Putrescine 48606	48626	ornamental plant pest control	94420*
Pulvinaria vitis 53461*		Puya 8748 88393*	88395*	physiological action	5709
Pumice 12083	79991	Pycnanthemum flexuosum	98902*	properties	23100
Pummelos 90310*		Pycnocycla	98918	storage pest control	94427*
Pumpkins		Pycnolejeunea	77442*	synergism 14052 14225	73080
anatomy and physiology	18850	Pycnometers	6283*	83228 94130 105343	94427*
78216 19222* 69061*	77824*	Pycnoplectus	33130	105333*	
78504* 78845*	78855*	Pycnopsysche guttifer	95611	tests	105003
100184*		Pycnopsysche lepida	95611	toxicity	94426
biochemistry 19292	77824	Pydna 5524*		Pyrethrum	
100184*		Pyelonephritis	72263*	analysis and composition	13937
culture 39415 101439	39346*	Pyemia 94090		52708 104968	
90584*		Pyemotes	94798	effects on Drosicha stebbingi	83394
cytology 78098*	78099*	Pyemotes scolyti	83810*	fly control 14044	42463
dried 75320		Pyemotes ventricosus	94777 105597*	formulations 13925	14223
feed 44397*	51457*	Pyemotes zwoelferi	5096*	52762	
fungus diseases 9039	77823*	Pyemotidae 5071	94798	grain pest control 52997*	105336*
77824*		Pygeum	68578	greenhouse pest control	14223
harvesting 39346*		Pygmephorus	5099*	human pest control 4770	13969
hybrids 9575	49367	Pygolampis	73732*	14003 14044	
nutritional deficiencies	78855*	Pygomorphidae	73862	insect resistance	53001
pollination 83638		Pygometra SEE Metritis		mite control	94417*
propagation 100184*		Pyracantha coccinea	28374*	mosquito control	14044
varieties 1935 49367	101443	Pyractomena dispersa	53264	ornamental plant pest control	14223
44397* 69981*		Pyralidae		plant pest control 52762	94417*
virus diseases 18325	47529	as pests 14087 14208	73817*	storage pest control 4890	14242
yields 1935 101443		106051*		52001 63679 94426	
Pumpkinseed oil 55601*	55695*	biology	33409	synergism 13925 14003	14223
Pumps 40306 60668	106248	Canada 23884		14229 52750*	
5830*		China 95552*		tests	73049
Australia 24062	73997	Comoro Islands	64237*	toxicity	42453*
Austria 24962*		control 52947*	73175*	vegetable pest control	14223
China 102127* 106533*		eggs 84174		Pyrethrum (plant) SEE Chrysanthemum	
106536*		food and host plants	4819 5506	cinerariaefolium; Chrysanthemum coc-	
India 102222		Germany	53502*	cineum	
maintenance and repair	54066	East Germany	14852		
106531*		immature stages	5506		
		India			

\*Text of this reference is not in English.



Item		Item		Item	
Pyrgodesminae	105583*	Pyrrhocoridae-- Cont		Quarternio n g	73582
Pyrgohippus n g	53527	China	105828*	Quarternio whalleyi	73582
Pyrgomorpha minuta	33468	cytology	5418	Quassia amara	19351
Pyrgomorphella	53527	development	33262 33263 73725	Quaternary ammonium compounds	
Pyrgomorphidae		84031		34432* 54600* 88683*	96573*
Africa	5574	diapause	73725	Quaylea whittieri	105251*
Comoro Islands	14921	digestion	5419	Quebrachamine	89883* 100580*
cytology	14935 106102	eggs	14726	Quebrachitol	59056*
Malagasy Republic	14921	reproduction	73725	Quedius	14517* 14555* 94904*
Pakistan	53534	Pyrrhocoris apterus	64124 73725	Quedius balticus	73583 14555*
Southeast Asia	5576	95248*		Quedius boops	14517*
taxonomy	14922 33448 95572	Pyrrhocephalus	105828*	Quedius hispanicus	83854*
Thailand	53534	Pyrrrolidonecarboxylic acid	70038	Quedius molochinus	73583
types	33469	Pyrrrolizidine SEE Hexahydro-1-H-pyr-		Quedius simplicifrons	73583
Pyrgomorphini	106086	rolizine		Queensland itch SEE Allergic dermatitis	
Pyrgomorphula n g	106086	Pyrrrosia	88422	Quercetin	100619*
Pyrgophyma	5574	Pyrus	100726	Quercetin-3-glucosiduronic acid	28360
Pyrgotidae	14686 14691*	Pyrus baccata SEE Malus baccata		Quercus	2153 81247
Pyrgus alveus	105913*	Pyrus calleryana	1909 49279	abnormalities	18641*
Pyrgus malvae	53478*	Pyrus communis SEE Pears		anatomy and physiology	100167
Pyrgus malvoides	95523*	Pyrus pyrifolia	37135 38126	100315 9775* 9929*	48368*
Pyricularia SEE Piricularia		Pyrus salicifolia	49279	58746* 78595* 100413*	
Pyridazinone	39450 39515 39517	Pyrus serotina SEE Pyrus pyrifolia		bark	48368*
79803*		Pyrus ussuriensis	38126 49279	breeding	21274*
Pyridazone SEE Pyridazinone		Pyruvic acid	10215* 81714* 82187*	Bulgaria	81151*
Pyridine	1375 2238 19407	Pythium	68191	clear cutting	61104 40648*
43941* 89920* 99301*		beans	77801	control	101486
Pyridine-2-aldoxime methochloride SEE		biochemistry	59004	culture	
2-PAM chloride		control	426	Great Britain	102522
Pyridine nucleotides SEE Codehydrogen-		cucumbers	18184*	Rumania	40581*
ases		India	26966a	USSR	81025 30283* 30354*
2,3-Pyridinedicarboxylic acid	19318	in soils	99509*	102512*	
Pyridinium compounds	42491*	morphology	27512a	cytology	99848
reviews	2016	plant parasites	8833	drought resistance	78597
Pyridoinole	89792*	sugar beets	27132a*	ecology	68396 40581* 89457*
Pyridoxal	6025	taxonomy	88531	fertilizers	102584*
Pyridoxal phosphate	100623*	turf	99264	fungus diseases	58002 99304
Pyridoxamine	6025	wheat	9155	99365 99443 99489	99524
Pyridoxine	6025 105787	Pythium aphanidermatum	348	409*	
in Chlorella	38610	9139 9145 37276	44763	Arkansas	88845 99530
in flour	17232	47385 58003 18069*		Italy	99417*
in food	15397 34019 34169	Pythium artotrogus	18108	Lakes States	18056
in human nutrition	98379	Pythium butleri	58013	Texas	99378
in mink physiology	52068	Pythium irregulare	47360 47402*	Wisconsin	77848
in poultry physiology	104380	57893* 77775* 77833*		genetics	102691
in spinach	19273	Pythium periplocum	68821	Germany	50848
in swine nutrition	104794	Pythium ultimum	9077 11335	growth	12139 61104 11984*
in wheat	27152a 68148	18130 60220 99484*		41166* 102494* 102584*	
Pyridylum compounds SEE Pyridinium		Pyxinia crystalligera	23608	Himalayas	18675
compounds				history	50848
Pyrilla perpusilla	23214			India	57663
Pyrimethamine	82580 63400*			injuries	81200*
Pyrimidines				measurement	21177 91504
effects on Neurospora crassa	47908			30261* 71081* 102494*	
68725		Q fever	6424 52805* 71715*	morphology	78205 27522a* 47756*
effects on plant disease	349	cattle	72230 62058* 72277*	mortality	81081
effects on seeds	1193	94129*		New Jersey	46782
in algae	69161	control	103246*	pest control	61208 83531 94485
in animal physiology	78958	diagnosis	12740*	biological	53027* 63686*
in Neurospora crassa	48537	man	72230 41296* 52805*	chemical	105400*
in plants	1304 59040 78958	ruminants	61764*	pests	64145 105507 94479*
in poultry physiology	4157	sheep	32267*	105969*	
Pyrite	49771*	transmission	52805* 63476*	Austria	23392*
Pyrobutryls	38477	103246*		Connecticut	14257
Pyrocarbonic acid diethyl ester	6285* 96282*	USSR	32693 14024* 94129*	France	53025*
15532* 24637* 54430*		Quackgrass SEE Agropyron repens		USSR	64199* 105358*
Pyrocatechol	18064	Quadriceps	53593	Yugoslavia	106067*
o-Pyrocatechuic acid	38567	Quadrspidiotus perniciosus SEE		planting	40581* 81162* 91615*
Pyrochroidae	94910*	Aspidiotus perniciosus	26411	102751*	
Pyrofomes n g	89144	Quadratic programming	94956	Poland	36618*
Pyrola rotundifolia	128*	Quadrideres femineus	61370	pollen	18675 27623a*
Pyrola uniflora SEE Moneses uniflora		Quadrivision bengalensis		propagation	2816 2841 102691
Pyrolaceae	88372 100623* 100624*	Quail		21268*	
Pyroligneous acid	81528*	abnormalities	22486	seed tree	102494*
Pyrometers	70846*	diseases	22671	seedlings	9929*
Pyrophorini	14576	egg production	72560 104243	seeds	61154* 71233*
Pyrophosphatases	73581 3347*	104282*		sites	50900 12445* 102519*
Pyrophosphates	1295 6736	genetics	104243	soils	80135
48435 28352*		growth	31905*	Colombia	26971
Pyrophosphorylases	19307	hybrids	22490	Lake States	21177
Pyroracemic acid SEE Pyruvic acid		Wisconsin	105015	Poland	50284*
Pyrrhalta	105617*	Quail eggs	104243 104282*	Rumania	11386*
Pyrrhanthera n g	26912a	Quaking aspen SEE Populus tremuloides		USSR	49818* 80060* 101872*
Pyrrhocactus bulbocalyx	39150*	Quarantine SEE UNDER Insects and		102819*	
Pyrrhocactus occultus	98862*	names of insects; Plants; SUBHEAD		Spain	80897
Pyrrhocoridae		disinfestation UNDER Aircraft; and SUB		Texas	81680
anatomy and physiology	5420	HEAD regulation and inspection UN-		thinning	2791*
43162 64104 105833		DER Livestock and names of animals		toxicity	92580*

\*Text of this reference is not in English.

Item			Item			Item		
Quercus-- Cont			Quiabentia	37629		Rabbits-- Cont		
USSR	71279	77308	Quinces			feeding and nutrition	4292	13612
varieties		1842	bacterial diseases	439		22726	32146	93537
wood	2922	12432	culture	28874*		22729*	22730*	32145*
21556	30556	30633	dwarf	59560*		52348*	63012*	72705*
51113	51121	51137	fungus diseases	48358*		93540*	93562*	104527*
71436	12445*	51354*	hybrids	27494a		deficiencies	63000	32153*
102512*			nutritional deficiencies	48358*		Germany		13607*
yields		11984*	pest control	23290*		East Germany		32143*
Quercus acutissima			propagation	59560*		Hungary	22728*	62996*
Quercus alba	9365	12047	rootstocks	101196	19846*	seasonal		42108*
46770	61345		59567*			feeding and nutrition equipment		64383
Quercus borealis SEE Quercus rubra			59567*			fertility	4327	62993
Quercus cerris		61577*	virus diseases	77921		4305*		104546
Quercus championi			weed control	20274*		fur production		
Quercus chrysolepis			Quinic acid SEE 1,3,4,5-Tetrahydroxy-			genetics		
Quercus conferta SEE Quercus frainetto			cyclohexanecarboxylic acid			Great Britain		
Quercus douglasii			Quinine	2995		growth	13609	32146
Quercus dumosa	21244	81150	Quinoline molybdate	80753		52342	72715	82709
Quercus ellipsoidalis	1133	47331	Quinolinic acid SEE 2,3-Pyridinedicar-			32147*	72705*	
48199	50662		boxylic acid			habits and behavior	32146	32165
Quercus frainetto		40583	Quinones			32168	42121	52352
88986*			fungicides	57882*		history		93534*
Quercus glauca		88419	in algae	68665		housing	15312*	24245*
Quercus iberica		737*	in Eleodes longicollis	33098		93564*		
Quercus ilex		53049*	in Fusarium	18071*		hybrids		82708
Quercus imbricaria		71282*	in plants	19326	37959*	immunization		32161*
Quercus kelloggii		61580	in spinach	48579		industry	13604	52353
Quercus laurifolia		18505	in Tabebuia avellanadae	30669*		infectious diseases		13618*
Quercus lobata	36673	53406	Quinoseptyl	81713*		injuries		13606*
Quercus macrocarpa	47331	47335				judging		104552
68783						lactation	32146	32151
Quercus macedonica SEE Quercus						litter size		72715
trojana			R-162 SEE 1-Benzoyl-piperidine			meat production	4304*	7892*
Quercus marilandica		89343	R-163 SEE 1-(Phenylacetyl)-piperidine			82727*	93565*	
Quercus michauxii	2855	9014	R-203 SEE N,N-Diethyl-2-phenoxy-acetamide			effects of breeding		52341*
40689			Rabbit meat	7218	4304*	72703*		
Quercus mongolica	21316*	40798*	Rabbit pox	42117	104535	effects of drugs		52344*
41138*			Rabbit tick SEE Haemaphysalis leporis-			effects of housing		15312*
Quercus nigra	50697	99329	palustris			Great Britain		32167
Quercus nuttallii		99513	Rabbitbrush SEE Chrysothamnus			Italy		42119*
Quercus palustris	21234	36861	Rabbits	32162	72717	metabolism	4297	22740
91614	102829		93566*			72516		63000
Quercus pedunculata SEE Quercus robur			abnormalities		13611*	ovulation	4294	13608
Quercus petraea	70341	19961*	anatomy and physiology		62995*	parturition		42111
21173*	67817*		as laboratory animals		72717	pest control		22741
Quercus prinus SEE Quercus michauxii			104554	104556	93540*	pests	33505	64279
Quercus robur			93564*			105086	106139	73899
biochemistry	59097*	81530*	as pests	18042	50949	104674	13613	82721
culture		19961*	30442*	68027*		pregnancy	13617	22741
drought resistance		40583	Australia		37590	42112		32159
fungus diseases	27212a*	88781*	associations		82726	implantation	82713	82719
growth	10106*	40595*	breeding	32140	32142	104547*		
71252*			93535	4475*	42108*	records and testing		22743*
morphology		78127*	breeds			reflexes		52350*
Netherlands		40595*	Angora	13604	32140	respiration		93551*
pests		88781*	93534*			restraint	104542	104543
planting		50871*	Dutch		82724	situation and outlook		26188*
propagation		40631*	Giza		52340	surgery	42112	63002*
Scotland		67817	Vienna		52341*	virus diseases		3259
seedlings		50872*	White		52342	vision		93560
soils		40583	carcasses		63012*	watering		32149
Quercus rubra			care	104554	63011*	weight and measurement		22741
crowns		50685	104555*			52340	72715	
fungus diseases		366	Canada		32164	wild		104556
hybrids		36861	Florida		42118	SEE ALSO names of anatomical parts,		
pests		63720	Spain		93561*	body fluids, diseases and other		
planting		81169	USSR		22742*	pathological conditions, operations,		
seeds		81190	color		13615*	parasites, pests, and products		
wood		41171	control		27064a	Rabies	3268	12729
Quercus sessiliflora SEE Quercus			Australia	18049	27374	12674*		61877*
petraea			57178	76948	87838	Africa		61783*
Quercus shumardii	2855	40689	87876			Angola		61734*
Quercus suber			France		47086*	Canada		61913
Australia		50746	New Zealand		73400	cats	3806	103961
culture		50748*	cytology		104531	cattle		22241
ecology		99764	digestion	32148	52348*	diagnosis		82259*
France		17805*	93540*	93553*		Germany		82263
Morocco*		30208*	diseases	4784	52345	Italy		62160*
pest control	53049*	73316*	22733*	72711*		Republic of South Africa		31447*
pests		14275*	ecology		52352	Colombia		31304
propagation		91598*	embryos	32141	63001	control	3901	51516
Quercus trojana		57446*	13618*	82712*		California		61784*
Quercus turbinella		49453	equipment		32164	Denmark		81732
Quercus variabilis		102761*	estrus		32158	Israel		91980*
Quercus velutina		57896	farms and ranches		42120	Kansas		3292
Questionnaires	8057	84270*	32169*	78922*				92024

\*Text of this reference is not in English.



	Item		Item		Item
0					
Rabies-- Cont		Radiation-- Cont		Radiation-- Cont	
control--cont		effects on barley	48345 58206	effects on plants--cont	
Malaysia	61728	60062 78280	89265 100063	bibliographies	68612*
Mali	61795*	19035* 48140*	75385* 78495*	conferences and congresses	
Netherlands	30848* 31581*	effects on beans	27490 100065		58226
Poland	62536*	effects on beets	44604	effects on plastics	54236*
Thailand	61804	effects on Blaberus craniifer	84193	effects on Poa pratensis	27685*
USSR	61905*	effects on broadbeans	27934	effects on pollen	27524a 102740
Washington	81770	78101 89364*	89563*	effects on Portulaca smalli	27862
Czechoslovakia	61726*	effects on Bombyx mori	42842	effects on potatoes	68701 9737*
Denmark	103285*	effects on cattle	12997 54606	47904*	
diagnosis	61888 3136*	13081* 72210*		effects on poultry	52157 93179
31026* 61899*	91981*			13526* 31893*	41974* 62932*
dogs	62538* 103971*	effects on carrots	44604	104332*	
immunization	3802 3901	effects on cellulose	107177	effects on proteins	44098*
31541*		effects on Ceratitis capitata	105249*	effects on Pseudeucoila bochei	84106*
Brazil	41756*	effects on Chara vulgaris	18545*		102691
Netherlands	31581*	effects on cherries	47875	effects on Quercus	
Poland	62549 62536*	effects on Chironomus tentans	33139	effects on Rhodotorula glutinis	68515*
USSR	62478*	effects on citrus	55196		9634 18512
Netherlands	3827*	effects on Cochliomyia hominivorax	52725*	effects on rice	18777 27711* 47838*
treatment	103997	effects on Coniferae	91609 102692	effects on ruminants	103243
Europe	12636 30973*	effects on cotton	78258 58489*	effects on rye	821 37864
Germany		effects on Dactylis glomerata	58403	effects on Saintpaulia	78260 78446
East Germany	30973* 41383*	825*		effects on seeds	58227 100378
guinea pigs	41878	effects on Digitalis lanata	68636*	19068* 38168*	38343* 48157*
horses	104134*	effects on Drosophila	5300	69004* 69097*	71222*
immunization	81893 12692*	58326 64022 95069		effects on semen	41892
61749* 61838*		effects on Drosophila melanogaster	23685 105744 33208*	effects on sheep	32223* 93630*
		23685 105744 33208*	83988*	effects on Sitophilus granarius	42738*
Iran	61832*	effects on Drosophila virilis	105774	effects on Sitophilus sasakii	105648*
Italy	61689*	effects on Drosophila willistoni		effects on soils	49683 60062
laboratory animals	104205*			70403	
Mali	61794*	effects on einkorn	831 18710	effects on Solanum nigrum	38168
man	51516	18744 18743*		48172*	
New York	91927	effects on Euglena	89574	effects on sorghum	47890
prevention	61905*	effects on fats and oils	107708	effects on soybean oil	54236*
rabbits	63006*			effects on soybeans	1285 27739*
rats	72525	effects on fibers	25122 25185	effects on starches	65591 43939*
Republic of South Africa	61822	effects on flour	44862	effects on swine	42331 83088*
	61888	effects on food	44099* 96215	effects on termites	32615*
sheep	63159*	effects on fruit	68649 75216	effects on Thaumetopoea pityocampa	14254*
Southern Rhodesia	61819	18806*			47888
Sudan	61837	effects on guinea pigs	31712*	effects on tobacco	58468
swine	32516 104840	52134*		effects on tomatoes	47837 18704
transmission	30999 51577	effects on Gymnospermae	1203	effects on Tradescantia	58240
81741 103332		effects on Hordeum jubatum	89255	27766 58206	105658
treatment	61832*	effects on horses	31684	effects on Tribolium castaneum	58206
Tunisia	61757*	effects on Hymenolepis diminuta	42987	effects on vetch	61899*
Turkey	61904*	effects on insects	42405 52725*	effects on viruses	772 782
vaccines	3806 12692	96215* 105503*		effects on wheat	18744 18775 37823 37864
41371 62549 51602*	61838*	conferences and congresses		37903 38435 44862	58461
61860* 62478*	81812*	reviews	105539 105540	19035* 68480*	74584*
81700 81741 12511*	92016*	effects on Ipomoea	89320	effects on wine	21717 21722*
61868* 61899*	91905* 104205*	effects on jute	58373	effects on wood	18735 37714*
Western Hemisphere	12701*	effects on lettuce	60062	effects on yeasts	38506* 68515* 96204* 100050*
wildlife	12689* 31447*	effects on Lolium perenne	1071*	hazards and safeguards	76937
Rachitis SEE Rickets		effects on mice	82473	84193 96224 96493	98461
Radfordia	8392* 108980*	effects on microorganisms	34188	51533* 76894*	96953*
Radiata pine SEE Pinus radiata		20493* 65901*		in barley processing	98716*
Radiation	4704	effects on milk	65046	in hail control	42405
effects on Aedes aegypti	4704	effects on Morus	18663*	94437 105345 23089*	42370*
64073		effects on Musca domestica	5303*	105150*	
effects on Agropyron trachycaulum	89255	effects on Nasonia	14828	conferences and congresses	105061
effects on alfalfa	38153*	effects on oats	947 27745	in soil sanitation	11360
effects on Alternaria tomato	68668	effects on onions	89208	measurement SEE Radiometry	
effects on Anacystis nidulans	27540	effects on ornamental plants	58377*	tolerances	84913
effects on Androctonus amoreuxi	5105*	effects on opium	85731	SEE ALSO Alpha rays; Beta rays;	
effects on animals	3955 4456	effects on Paspalum dilatatum	19092	Earth rays; Gamma rays; Infrared	
30959 41377 51612 54606		effects on peas	27953 89268*	rays; Solar radiation; Ultraviolet	
57399 61721 61815 71791		effects on Pellicularia filamentosa	37885*	rays; X-rays; and SUBHEAD irra-	
71839 91919 3890* 4240*			5303*	diation UNDER names of commo-	
4304* 21822*	61875*	effects on Pieris	102691	ties	
reviews	3306 91982*	effects on Pinus	47769	Radicula SEE Rorippa	
effects on apples	27593a 44604	effects on Pinus rigida	1203	Radiigera	17912
47875 100081*		effects on Pinus strobus	373	Radinoderus	14605
effects on arthropods		effects on plant disease	88777 18146* 77567*	Radio	
reviews	105539	effects on plants	591 9358	in education and information	17028
effects on Aspergillus aureofaciens	48108*	9949 18516 24454	27482a	36081 36136 87433	87435
effects on Aspergillus nidulans		28158 57399 58276	58326	in forest fire control	21352 102796*
effects on bacteria	24388 31264	78333 89373 89577	95069		
43931 41662* 43909*	44614*	1165* 9930* 38334*	47858*		
93825*		48174* 48207* 48434*	58376*		
		58396* 78472* 89292*			

\*Text of this reference is not in English.

Item				Item				Item			
Radio-- Cont				Radioactive tracers--Cont				Radioactive tracers--Cont			
in forestry	11891	30509	61290	in cattle research	12941	51867		in sheep research	13673	31731	
32899*	50946*	60962*		72229	72241	103847		42181	42185	42217	93671
in logging			61323	in dairy research		85315		104657	42216*		
in plant protection	9083	47095*		in dog research		103984		20599	49708	49755	50064
Radio-frequency heating SEE High-				in economic poisons research		37039		50217	60170	70249	79958
frequency heating				43945	46533	57775*		80041	80052	101690	101691
Radioactive contamination			8407	in entomological research		14104		40195*	49635*	49730*	49736*
36421	36422	57171	76894*	14684	14714	14760	23321	49763*	49807*	50218*	60164*
animals	12742	82642	38413*	23327	33284	42405	42434	70281*	70282*	70351*	80046*
51594*	61796*			53463	64126	73463	73686	80081*	90800*	90871*	101681*
aquatic plants			37926	83179	105507	105753	105763	101707*	101744*		
baby foods			106661	105766	105803	105877	5058*	in swine research	13795	22944	
barley			9144*	10073*	23795*	33332*	53404*	52636*			
cabbage			84930	53572*	64260*	73878*	84115*	in textile research		65287*	
cattle		31281*	31380*	94514*	95296*	95318*	105150*	in veterinary medicine		61721	
cheese			96488*	105420*	105751*	105769*	105783*	in virus research	12561	18277	
dairy products			85413	105951*	106078*			47478			
feed			106967	bibliographies		33001		in wood research		12430*	
food			24454	conferences and congresses		105061		Radioactivity	98461*	109007*	
24937	33982	34091	46528	in equipment research		15129*		in corn		75491*	
54611	57094	60736	64840	23983*				in food		96160	
64841	74445	84778	84789	in fertilizer research		20599		in fungi		68750*	100092*
84913	84914	84926	92014	50003	50095	60321	91409	in potassium		50414	
96160	96163	96224	15439*	60524*	91122*			in soils	2146	27785	90839
34101*	44048*	54096*	54201*	in food research		25436	25451	101705	11223*	49734*	70277*
74351*	74352*	74435*	74447*	in forestry research		2695*	40680*	80062*			
106575*	106579*	106649*	106650*	in fruit research		44595		in wine		96300*	
conferences and congresses			84931	in fungicide research	105004	78630*		Radioautography SEE Autoradiography			
reviews			96167	in goat research	82800	32252*		Radiography SEE X-rays			
forage plants			24454	in guinea pig research		31731		Radioisotopes SEE Radioactive tracers			
fruit		85787	85794	in herbicide research	7249	9677		Radiometry	40717	79943	84272
fungi			58637*	27906	100211			105077	68804*	69031*	109007*
goat's milk			85405*	in insecticide research		4639		research methods			
grain	65701	85949	44931*	4661	42434	42468	42516	statistical		36407*	
44965*				82800	83154	83179	83180	Radiomimetic substances		685	
grain products			75465	83228	105004	105013	105021	37627	48175	33184*	47774*
meat		104185	107641*	105039	105052	105084	105335	Radiomyces		89421	
reviews			96505*	105362	57775*	83197*	105096*	Radiosonde			
milk			15687	105355*				in veterinary medicine		51522	
24905	24908	24937	34386	reviews	104975	105041		51845	81748	51473*	51529*
34394	44324	44326	44335	in laboratory animal research		22470*		52049*	104099*		
54606	54611	54612	72082	in milk research		93655		Radishes			
74869	74880	74884	74895	in nutrition research				anatomy and physiology		1111	
74980	85295	85384	85390	conferences and congresses		8330*	27315*	47941	78809	89709	100325
85411	85413	85436	96493	in pigeon research			42012*	1226*	38026*	48214*	48447*
96515	106967	106982	106983	in plant research			754	89484*	100215*		
13081*	15684*	15697*	14329*	1062	1097	1198	9238	biochemistry		69185	89274
54603*	54613*	85389*	106900*	9643	9757	9879	10127	28394*			
106965*				18307	18329	18516	18845	breeding		47866*	49384*
reviews		34396	96505*	19107	19263	19279	27829	culture	101377	10917*	79717*
mosquitoes			53372	27875	28204	36631	37971	cytology			58246*
plankton			89603*	38304	38329	47610	48012	disease resistance			9165
plants	1104	1105	9921	48101	48112	48232	48272	feed			72789
38361	48012	48109	48439	48335	48342	48347	48373	fertilizers			60512
49697	58844	69125	80038	48412	48413	48419	48430	fungus diseases		390	9165
84914	89569	100380	100436	48581	50096	58350	58686	27127a	47258	58029	68110
101834	1139*	1154*	9863*	58777	58793	67771	68807	genetics			89274
18885*	38185*	38413*	48381*	68913	69014	78529	78736	germination			100272
58637*	80008*			89627	89752	98725	99960	hybrids			49340*
potatoes			84930	100167	100277	100315	100483	morphology	1111	37787	37677*
Prodenia litura			14845	100664	1034*	9176*	9712*	processing			25523*
poultry			82642	9854*	9895*	10073*	17496*	seeds		10917*	79717*
sheep			13722*	19017*	19596*	28186*	38014*	yields			60512
soils			11311	38129*	38136*	38405*	38499*	Radium	72271	11223*	80062*
20449	39702	39707	39752	47945*	48077*	48110*	48111*	Radon		29521	70277*
49697	49769	60736	80038	48119*	48124*	48333*	48395*	Radopholus similis		482	495
90839	90877	101834	108984	48436*	48464*	48498*	48619*	9297	58128	68310	77953
1154*	9863*	11303*	49726*	58746*	58757*	58799*	58885*	77954	99719	18411*	
80008*	90886*			58891*	67719*	68889*	68919*	Radula		17832	99008
swine		13844	104910	69009*	69210*	69324*	77489*	Rafalskia SEE Paropilio (Rafalskia)			
vegetables	85787	85794	65537*	78252*	78447*	78472*	79033*	Raffinose	1024	7444	86445
water		39710	108579*	88142*	89444*	89523*	89735*	35366*	66207*	97461*	
wheat	75465	75474	84930	89788*	89799*	89899*	100076*	in molasses			66232*
100468				100153*	100197*	100215*	100387*	in Picea			38612
Radioactive tracers				100427*	100538*	100596*	100600*	Rafflesia			67889
in agricultural research			27364	conferences and congresses				Ragimillet			
27633	43922	57399	67468	reviews		48438**		Africa		8720	
98687	8392*	36576*		in poultry research	32011	105041		analysis and composition		75410	
conferences and congresses				42001	62810	104464	41974*	costs and returns		38754	56207
in animal research		4297	12610	52175*	62915*			fertilizers	20736	40082	60415
42468	63152	71791	103190	in pulp and paper research		21571		nutritive value			27346
21822*	51462*	51472*	51510*	in rabbit research		22736*		Ragwe ed SEE Ambrosia			
71838*	81719*	103284*		in rat research		62671		Raillietina circumvallata sibirica			13985*
reviews			105041	in ruminant research		51489		Raillietina kashiwarensis			22662*
								Raillietina magninumida			72613*
								Raillietiniasis SEE Tapeworms			

\*Text of this reference is not in English.



Item			Item			Item		
Railroads	34899		Rams-- Cont			Ranges-- Cont		
SEE ALSO Freight cars; Freight rates; Railway ties; Refrigerator cars; and SUBHEAD by rail UNDER Transportation			feeding and nutrition	22772	42150	management--cont		
Railway ties		40896	104588	22748*	32186*	Oklahoma		19605
associations	40904	51182	42154*			Pakistan		90151
Brazil		30589*	fertility	42140	52361	Peru		97812*
care and handling		91707	72734	72752	82746	Republic of South Africa		48858
costs and returns		40913	104588	22748*	32186*	reviews	69555	79274
defects	40886	40890	63035*			Saudi Arabia		19625
Germany		91705	growth		104588	South Dakota		38811
industry	40899	40903	habits and behavior	12848	104570	Southern States		69518
maintenance and repair		40886	61616*			bibliographies		48809
manufacture		40905	immunization		4312	study and teaching		69537
preservation		40909	records and testing	4324	42132	Texas		100938
71421	91691	61373*	52354	52361	52378	Uganda		79333
properties		81382*	104563	82740*	93568*	Utah	2018	56494
seasoning	30535	30539	104577*	104578*	104576*	71353		
situation and outlook	40906	40907	selection	52354	72746	Western States	48828	90139
tests	40909	91708	trade			mapping		19653
trade			France		36227*	Montana	2607	2882
European Economic Community		40908	Ramularia	26978a*	57728*	pest control	27064a	52898
Raimannia SEE Oenothera			Ramularia foeniculi		9119	pests		18042
Rain forests	574	89389	Ramuliseta lindneri		14686	planting		28636
Brazil		78070*	Ranales		68433	Arizona		79310
Cameroon	14076	14077	Ranatra	23763*	64084*	California	10428	10438
ecology		58183	Ranatra doesburgi		64084*	desert areas		90174
Ecuador		68370	Ranatra magna		73703*	Idaho		20659
Kenya		79906	Ranatra quadridentata		95231	Kenya		79335
Malaysia		71120	Ranatra surinamensis		73703*	Nebraska		69585
Nigeria	2168	60916	Ranatridae SEE Nepidae			Oregon		28648
North America		18467*	Ranches SEE SUBHEAD farms and ranches UNDER Livestock and names of animals			Texas	100915	100938
Peru		88212	Ranco test		35021	Utah	2018	20659
Puerto Rico		78047	Randox		2066*	Wyoming	1590	10493
Thailand		71105*	Rangers SEE Forest rangers			planting equipment		33681
Tropics	58183	71125	Ranges		91303	research methods	48844	48861
Raindrop erosion	2595	60725	brush control		2039	48873	51448	69549
70836	102278	80704*	California	29311	29289	conferences and congresses		48914
Rainfall SEE Precipitation			Nebraska		90739	statistical	48857	48889
Raisins			Southwestern States	2019	2052	sampling	9363	28688
California		87643	Texas	29230	90674	48843	48873	48890
coatings		16034	burning	28658	68410	sampling equipment		48900
Greece		44552	California		79361	surveys	19618	19651
products		55005	costs and returns		35918	terminology		48823
statistics		65652	desert areas		61639*	weed control		29213
trade		87643	ecology	581	19653	chemical	11053	70114
Japan		46382*	48813	48891	78035	101520	101521	
Turkey		65527	California		19618	California		29289
Rakes	106389	74040*	Texas		560	Nebraska	90739	101462
Ralfsia verrucosa		46959	Western States		18448	Nevada		11057
Rallinyssoides n g		14435*	fertilizers		101776	Wyoming	11059	101586
Rallinyssoides trappi		23535*	California		29835	Oregon		39572
Rallinyssus gallinulae		14435*	Florida		50070	Western States	8036	21950
Rallinyssus verheyeni		14428*	Idaho		20659	Wyoming	11827	28613
Ramalina		36994*	South Dakota		49997	SEE ALSO Grazing; and SUBHEAD feeding and nutrition, pasture and range UNDER Livestock and names of animals		33660
Ramaria		88548*	Utah		20659	Ranikhet disease SEE Newcastle disease		
Ramaria gracilis		46993*	Wyoming		11611	Ranunculaceae		
Ramariopsis		88543	France		26962*	anatomy and physiology		48327*
Ramatoulla		88298	history	57331	71358	89129*	89508*	
Rambutans	19780	99065	judging		48852	biochemistry	28373*	79042*
Ramie			leasing		87241	fat and oil content		48327*
anatomy and physiology		38154	legislation		19674	India	37806	98913
culture	59273	90096*	management		1626	morphology	68426	99936
fertilizers	101958*	101989*	12885	28645	45955	pollen		37806
male-sterile		37831*	48813	48838	48852	taxonomy	28373*	57585*
pests		105170	49453	67034	69534	Ranunculin	28373*	79042*
processing		6588	69606	71358	78035	Ranunculus		46869*
quality		69472	79353	81917	82029	control		39468
yields	69472	90097*	87246	101019	101040	diseases		99231
Ramosia tipuliformis		42711	as an occupation		17250	morphology	47707	58287*
Ramphus oxyacanthae		83908*	associations		48909	New Zealand		17671
Rams			Australia		79289	pests		99231
anatomy and physiology		52386	California		20571	taxonomy		17671
72726	82736	104585	56489	81043		Ranunculus asiaticus		58625
and heredity	22766	52354	Canada		57331	Ranunculus ficaria	892*	67937*
72742	93590	32191*	Colorado		1582	Ranunculus lyallii		98874
82735*			desert areas	19611	48812	Ranunculus pedatifidus		57659*
Australia		52358	48828	48858	79289	Ranunculus repens	595	47707
California		4321	Florida		1639		68742	
care	72735	82739	Great Plains	1603	38831	Ranunculus sceleratus		36876*
diseases	32173	32176		79312		Ranunculus testiculatus		49524
52355*	63035*		Kenya		48884	Raoiella indica		14188
Argentina		42145*	Louisiana		19667	Rape		
California	22750	82733	Near East		19625	anatomy and physiology		27931
			Nevada	1611	71353	10131*	38184*	48075*
			New Mexico		28698	100533*	100539*	
			Nigeria		1614	biochemistry	100592	38642*

\*Text of this reference is not in English.

	Item			Item			Item	
Rape-- Cont			Raspberries-- Cont			Rats-- Cont		
culture			breeding	810	59627	as pests	17943	99233
Argentina	28721*	101060*	breeding	39103*	59609*	breeding	104151	104152
Chile		28733*	culture		19891	carcasses		72523
China		90225*	Canada		19906	care	31713	41880
Denmark	2403*	19687*	Denmark			control	104221	286
France		19688*	France				105132*	73096
Germany		1647*	Great Britain			Australia	8904	17256
East Germany	11507*	60434*	Idaho			British Guiana		77623
Minnesota		90218	Italy			chemical		47060
Poland		38878*	Netherlands			China		37147*
Rumania		59346*	New Jersey			Germany		99249*
Sweden	1568*	28705*	New York			India		77506*
diseases		77622	Poland			Isle of Man		67476
equipment		64335*	USSR			Lithuania		57189
fat and oil content	70491	18762*	disease resistance	1790	58063	Mexico		46535*
feed		31276	59627	39103*		Poland		8911*
fertilizers		70491	diseases	27042a	37159	Sweden		57816*
China		100533*	fertilizers			Taiwan		8384*
Denmark		20623*	flavor and odor			tests		27385
India		29706	fungus diseases			Thailand		87837
Sweden	2352*	102004*	Great Britain			USSR	81924*	92113*
forage plant	28705*	38817*	Netherlands	14199*	27204a*	cytology	3370	92128*
fungus diseases	8990	37189*	57946*	63649*		digestion		62672
genetics	37854	37883	USSR			diseases		72514*
18762*	37863*	100592	genetics	810	58274	embryos	13418	72539
hardiness		78611	Michigan		54945	104152	104191	82502
honey plant	60027	79904*	morphology		78084*	enzymes		104151
hybrids		59411*	pest control		27204*	exercise		43316
pest control	52881*	63572*	Bulgaria		42709*	feeding and nutrition		43317
pest resistance		23225	Hungary		52934*	13406		31707
pests		94850	Netherlands	14199*	23313*	31710	41880	52171
Austria	83358*	83359*	Norway	23343*	94411*	92940	92945	104157
Denmark		105231*	Utah		14176	31706*	32143*	32353*
Germany		63935*	pests			72511*	72514*	92942*
planting		48723	Bulgaria		94412*	104156*	104158*	52133
planting date		27931	Finland		105306*	deficiencies		104193
pollination		32936*	Great Britain		14183	4006*	104210*	
proteins		70491	Netherlands		57946*	in pregnancy		13418
seeds	58745*	59346*	Switzerland		105256*	restricted feeding		72512
101051*		2403*	Utah		53244	genetics		95045
soils		84577*	Yugoslavia		105256*	germ-free		72521
spraying and dusting		31276	planting	38013	101201*	growth	31710	31713
toxicity		10521*	propagation		90349*	92945	72511*	41877
varieties	23225	1568*	soils		80224*	habits and behavior		62675
38885*	90216*		spraying and dusting	38013	37159	reviews		104222
yields	27931	29706	trade			housing		92940
2352*		70491	France		87689*	lactation	4009	52137
Rape bran		52540*	varieties	810	58935	82511	92973	
Rape straw		44456*	19893*			longevity		22466
Rapeseed			Canada		1789	metabolism	4008	31730
consumption		16279	Denmark		90343	52146	72516	82492
enzymes		26153*	Great Britain		101208*	104191	33431*	82492
feed		93367*	Hungary	28903*	49126	92969*	104177*	62663*
quality		10517*	Idaho		79516*	104199*		104725*
storage		66019*	Netherlands		49113	ovulation		52143
Rapeseed meal	66045*	72579*	New Jersey		59625*	pests	5094	94686
104156*		72590*	New York		49130	Argentina		105095
feed	4168	32381	Switzerland		58063	Brazil		32703*
103520	92943*	92944*	USSR		49118*	India		105136*
processing	4168	32381	virus diseases	19866*	59609*	Lebanon		23130
Rapeseed oil			1790	18287		Nevada		53579
analysis and composition		35208*	Estonia		27347a*	Trinidad		63843
consumption		16279	Germany		37476*	poisoning	13411	42494
extraction	35200	66045	East Germany		99641	42399	42465	31730
feed	82560	103845	Michigan		47485	72517	82506	52727
hydrogenation		55622*	New York	58063	79501	72517*	82506	83200
quality		35200	Ohio		74226	72531*	72541*	105004
Raphanus sativus SEE Radishes			Yugoslavia		27311a*	pregnancy	41873	73072*
Raphetis n g		14549	weed control		39562	82502	82418	83253*
Raphidia		95672	39564	70151	70184	psychology		82501
Raphidiocystis		8688	yields	37426	39564	respiration		31713
Raphignathidae		23538	Raspberry crown borer SEE Bembeicia		101201*	selection		43316
Raphignathus cometes		23538	marginata			surgery		82471
Raphignathus lanuginosus		23538	Raspberry juice		25432*	weight and measurement		82471
Raphignathus neocardinalis		23538	Rastrococcus		53410	82491		
Raphipeza		14903*	Rath test		44295*	SEE ALSO names of anatomical parts,		
Raphoneis		17850	Ratibida		17702	body fluids, diseases and other		
Rasp leaf			Ratin		81924*	pathological conditions, parasites,		
cherries		77889	Ratoon stunt			and pests		
Prunus		37416	sugarcane	9211	47476	Rattle		9253
Raspberries			47984	58096	99649	tobacco	441	88913
abnormalities		58274	Rats			Rauhocereus riosaniensis		99694
acids		15989*	age		61919	Rauwolfia SEE Rauwolfia		611*
anatomy and physiology		38013	anatomy and physiology		34098	Rauwolfia	37729	89829*
38099	39564	58935	52727	83200	104971	Rauwolfia natalensis		68444*
			and disease	4716	22143*	Rauwolfia serpentina		
						culture	39595	49565
						ecology		50739
						fungus diseases		58200
								88747

\*Text of this reference is not in English.



Item			Item			Item		
Rauwolfia serpentina-- Cont			Reclamation-- Cont			Rectovaginal fistula	52095	3559*
morphology	37789		Germany--cont			Rectum		
pests	95584		East Germany	50263*		Ailopus strepens		14910*
propagation	29388	39584	Great Britain	2300	20573	cattle	51931*	51946*
Ravenelia	47050	67935	49904	49916	70767*	minks		92811*
Raw materials	74304*	84772*	history	80700	91234	Schistocerca gregaria		64263
Australia		44142	Hungary		60681*	Recursive programming	16553	16970
Brazil		54069	Iceland		50247*	86855		
contamination		84922	India		70730	Recurvaria		53029
Latin America		84770	Israel		29899	Recurvaria milleri		63695
policies and programs		64721	Italy		70773	Recurvaria piceaella		84137*
prices		15452*	20916*	2526*	11704*	Red alder SEE Alnus rubra		
purchasing		54165*	60575*	29884*	29960*	Red band		
quality		54219	67065*	80533*	80645*	Pinus		37368
regulation and inspection		84922	87244*	91233*	91289*	Red-banded leaf roller SEE		
situation and outlook	106546*		108031*			Argyrotaenia velutinana		
utilization research	43967		labor	45571*	45572*	Red clover		
SEE ALSO Agricultural products			legislation	60604	102204	analysis and composition		15789
Rayon		45344	Mongolia		60620*	48165*		
acetate	15832*	34623*	mountain areas	11704*	11761*	anatomy and physiology		1211
107207*			20857*	91289*		1275	38411	47930
acetylation		15862*	Netherlands	11730	20940	78836	99900	952*
analysis and composition		34623*	8046*	29891*	29926*	27881*	27925*	39814*
chemistry	25148	25184	67022*	70713*	70753*	58852*	68748*	68863*
industry		15814	70781*	70808*	80514*	78864*	89445*	
manufacture		65336*	87275*	101687*		biochemistry		1287
moisture		54833	New Zealand		11774	breeding	27710	68307
processing	6626	25185	Nigeria		40194	79216	79355	10500*
54833			Northern Ireland		70767*	culture		101610*
properties	15810	15863	Norway	50289*	102228*	Colorado		20935
15873*			Pakistan	40144	97954	Finland		79356
situation and outlook		15840	policies and programs		11687	Germany		59401*
spinning		34554	11790	20834	20890	East Germany		69571*
15832*	15839*	15872*	66863	87512	102140	Norway	38855*	79330*
96727*			50321*	50347*		Poland		48165*
spinning equipment	54797*	85583*	Canada		50260*	Sweden		28610*
structure	34569	107207	Germany		80594*	ecology		68387*
textiles		25134	Italy	2538*	50233*	feed		32145*
vicose	15876	25184	80633*	91230*		fertilizers	51407	60487*
34625	44495	54813	Japan		87235*	fungus diseases	57888	77665
107119	65311*	65335*	Norway		87065	99302		
properties		54844*	Poland		60572	Canada	27110a	77674*
situation and outlook		54904*	Utah		70797	Great Britain		27218a
structure		54844*	Western States		20825	Poland		99292*
Reactin.		3260*	projects		53991*	genetics	9563	9591
Real estate SEE Farms and farming;			California		80663*	27710	27684*	27763*
Land			China		102147*	germination	89513	89631
Rebelein index		44171*	Italy	16606*	56623*	hardiness		78836
Rebelia perlucidella		23880*	Morocco		70690*	honey plant		101610*
Rebentischia		99055*	Nevada		76439	hybrids		18772
Rebita SEE Bireta (Rebita)			New Mexico		56677	injuries	268	8902*
Reboulia hemisphaerica		9393	Oregon		20861	inoculation		69118*
Rebutia	36786	46830	Rumania	2556*	102210*	irrigation		20935
Rechingerella n g		99009*	Sierra Leone	20851	20864	nematodes	483	484
Recipes SEE UNDER Cookery			Southeastern States		70798	nematode resistance	68307	79216
Reclamation	20839	29898	Sudan		29959	69504*		
80576	102116		Surinam		70696*	pest control	73246	105198*
accounting		60570*	Sweden	11768	40142*	pests		53277*
Africa		11767	Taiwan		40294	Finland		105204
Alps		102157*	USSR	60640	80559	France		52875*
Arizona		60692	70749*	70759*	70766*	Michigan		52883
as an occupation		11771*	86935*		80517*	Netherlands		14653
associations			Utah		70794	Yugoslavia		14148*
Germany		80594*	Wyoming		80662	planting		
Italy	20820*	20857*	SEE ALSO Drainage; Irrigation;			Germany		38853*
64798*	80510*	91276*	Land, clearing; Marshes; Moors;			Poland		28614*
Netherlands		91243*	Strip-mined areas; Swamps			Sweden	90116*	90117*
Australia	11718	60664	Recordings	15048	53661	USSR		100921*
bibliographies		69563	Recordoxylon speciosum		3010*	planting date		100927*
Canada		11689	Recreation	27116	35981	pollen		59343*
China		80522	46116	46149	56888	pollination	13934	13936
Colorado	20950	40211*	67187	76010	76357	14328	32583	73045
conferences and congresses		80662	87328			13928*	14321*	
60592	70770	102207	bibliographies		67054	Finland		13981
cooperatives		87599*	Colombia		67181*	New Zealand		13957
costs	60674	50294*	Germany		36029*	Norway		13950
credit		45470*	Missouri		66754	Sweden	13967	13980
Czechoslovakia		29913*	Ohio	35759	66831	Washington		13942
Denmark	11726*	12167*	policies and programs		17031	proteins		1275
desert areas	17550	11690*	40726	46167	56761	quality		60487*
equipment		80593*	70964	108756		seeds	14329	38411
Europe		56622*	research methods		87512	8902*	10500*	66169*
Finland		2430	statistical		86585	Finland	79356	90204
Florida		60697	Rhode Island		70798	Maryland		59367
France		50321*	Southern States			Poland		45292*
Germany	60674	20876*	SEE ALSO SUBHEAD recreational			storage		100469*
86898*	108564*		use UNDER Forests; Land			Sweden		90117*
			Rectal prolapse	31696*	63335*	USSR		100927*

\*Text of this reference is not in English.

Item				Item				Item			
Red clover--Cont				Redpeppers--Cont				Reduviidae--Cont			
seeds--cont				bacterial diseases	47431	77865		hosts		53417	
viability		100469*		88856	99550			Malagasy Republic	73733*	95260*	
Washington	66177	73246		blanching		6885*		95261*			
soils	39814*	79330*		breeding	29072*	29096*	79703*	Mexico		64133	
statistics		65235		costs and returns		108526*		Morocco	53388*	95178*	
varieties		1634*		culture	20112	49293		Sahara		73706*	
Austria		79110*		California		49370		Senegal	5430*	23741*	
Colorado		20935		Canada		70014		taxonomy	53417	53389*	
Hungary		19629*		Czechoslovakia		79743*		Western States		64133	
Louisiana		19654		Delaware		29846		Reduvioidea		43154	
Norway		38864*		India		59848		Reduvius		64133	
Sweden	1570*	59312*		Italy		20151*		Reduvius ephebus		53389*	
Switzerland		38846*		Louisiana		20155		Reduvius vanduzeei		64133	
virus diseases	77896	459*		Mexico		101366*		Redwood SEE Sequoia sempervirens			
27320a*	47546*	68265*		Netherlands		20143*		Reed canarygrass SEE Phalaris arundi-			
weed control		20240*		Norway		59865*		nacea		77411	
yields		58852*		South Dakota		70008		Reederochloa n g		53446	
Austria		79110*		Spain		29133*		Reedia		53446	
Colorado		20935		USSR		1954*		Reedomutilla n n			
Finland		60487*		Virginia		70036		Reeds			
Germany				cytology		18756*		building material		74250*	
East Germany		90177*		disease resistance	383	776		control	11597*	49433*	
Maryland		59367		9557	20185	37413	58385	feed	21807*	71646*	82092*
Poland	59343*	69594*		diseases	37109	57760	68075	in plant protection		17930*	
USSR		70616*		drying		6917*		in pulp and paper manufacture		54770*	
Red Desert soils		80156		fertilizers	2406	58132		61488*	97522*	61488*	
Red fescue SEE Festuca rubra				Hungary		80329*		processing	54842*	61446*	61488*
Red flour beetle SEE Tribolium				Mexico		2337*		71473*			
castaneum				New Jersey		91113		products	54794*	54835*	54899*
Red Forest soils	49839			Puerto Rico		2310		soils		50121*	
Red gram SEE Pigeonpeas				flavor and odor		96857				44952*	
Red grasshopper mite SEE				for processing	39343	101404		Refait test			
Eutrombidium trigonum				107357	29072*			Reflexes SEE UNDER Insects and names			
Red-headed pine sawfly SEE				forcing	59884*	78788*		of insects; Livestock and names of ani-			
Neodiprion lecontei				fungus diseases	383	9103*		mals			
Red heart				27104a*	27172a*	88836*		Reforestation	81118	102848*	
Fagus orientalis	21452*			genetics	9557	58385	18756*	Argentina	70834*	71237*	
Red leaf				27707*				Austria	12092*	12101*	102402*
pears	77570			germination		68939*		Belgium	60933	81098	2813*
red clover	68265			Hungary		1920*		Brazil		40712*	
Red locust SEE Nomadacris				hybrids	29096*	101381*		Bulgaria	12140*	102599*	
septemfasciata				irrigation	91113	20900*	91222*	California	12115	71323	102623
Red maple SEE Acer rubrum				91270*				Canada	12113	71298	
Red pine SEE Pinus resinosa				mechanization		43464*		China	50879	30408*	
Red ring				morphology		78181*		conferences and congresses		61181	
coconuts	480	105255	105291	nematodes		58132		Congo		50859*	
105292				pest control	32794	52844	68075	Connecticut		91574	
Red rot				pests		4795		Corsica	30369*	102613*	
sugarcane	47392	47393	99389	planting	20155	48302	1954*	Costa Rica		12072*	
Red rust				products		6885*		costs	30198*	30212*	102402*
tea		8893		seeds		68939*		Curacao		36397	
Red soils		20515		soilless culture		20128*		Czechoslovakia		30371*	
China	101991	90005*	90853*	soils	59856	80329*		desert areas	40661	50805*	
91088*	91217*	101928*		spraying and dusting		29846		Estonia		102707*	
India		11593	39859	storage		107357		Europe		12110	
Ivory Coast		49880		topping		79743*		France	61151	81148	50903*
Japan		11408*		varieties				50908*	61161*	102613*	
Nigeria		49897		Florida		59856		Germany	61113	2822*	2826*
Spain		60105*		Georgia	29037	70027		12076*	12077*	12102*	12147*
Tanganyika	11493	49832		Illinois		59896		50804*	50831*	61130*	
Tropics		20515		Japan		18756		East Germany		21305*	
USSR	11334*	39842*		Michigan		101404		Great Britain	81113	21264*	
Red spiders SEE Tetranychidae				New Jersey		91113		50830*			
Red spruce SEE Picea rubens				South Dakota		70008		Greece		12135	30417*
Red stele				Spain	59905*	90576*		history	50522	50546*	102753*
strawberries	9020	59651		Sweden		20118*		Hungary		50881	
Red stripe				virus diseases	27292a	88893		Iceland		102706*	
sorghum		9242*		58067*	58097*			India	30365	81095	40647*
Red water disease	51945	82304		vitamins		98398*		Israel		40646*	
92442*				weed control		90594		Italy	50836	50882	21258*
Red-yellow soils		60252		yields	2406	48302	70027	21317*	30426*	40669*	81184*
Redberry mite SEE Aceria essigi				91113	100418*			Jamaica		12106	
Redcedar SEE Juniperus				SEE ALSO kinds of redpeppers				Japan	71054	2836*	30218*
Reddish Brown Lateritic soils		80457*		Reducing sugars	16407	26255		30419*	40655*	51063*	81089*
Reddish Brown soils	70605	100800		55918	85842	26183*	65000*	81124*	81141*		
90969*				75197*	107241*			Latvia			81088*
Rumania	2465*	2539*	11477*	Reductacarus		5099*		Mediterranean area	50887	71270*	
11482*	11657*	20478*	29847*	Reductase	1361	11342	19326	81063*			
Tanganyika		11493		19331	19415	59064	7042*	Mexico	40672*	71264*	81110*
Redox potential SEE SUBHEAD oxidation				85322*				mountain areas	61151	12092*	
reduction potential UNDER specific sub-				Reductase test	74854*	106923*		12101*	30006*	30374*	30412*
jects				Reductone	44220*	74631*		30420*	40655*	50855*	61161*
Redpeppers				Reduviidae				Netherlands		71275*	
acids		96857		Africa		73732*		New Zealand	11829	12119	
anatomy and physiology		2406		anatomy and physiology		105850*		Nigeria		21327	
39343	48302	100339	9658*	and disease	105095	42528*		Norway	21221*	40622*	40642*
68876*	89660*	100418*		Brazil	5390*	64087*		50888*	71217*		
								Ohio		91016	

\*Text of this reference is not in English.



## Item

## Reforestation-- Cont

Oregon	40641
Pennsylvania	91582
Philippines	71216
Poland	50866 30402* 50929*
policies and programs	
Austria	102402*
China	60881 91453
Colombia	91466* 102417*
Ecuador	102403*
Great Britain	80859*
Great Plains	16980
Italy	11924* 70955*
Japan	30172*
New Zealand	91458 50519*
Philippines	50523
Poland	40644* 53035* 71253*
71290*	
Malta	40445*
Portugal	50805* 50901*
Republic of South Africa	50966
Sicily	50779*
Southern Rhodesia	12074
Spain	81137 50841*
Sweden	61157 2818*
Switzerland	50293 50970 81149
50855*	
Taiwan	2715* 2812* 2820*
2821*	2834* 2851*
Texas	12103
Tropics	2778*
Turkey	71139
Uganda	40643
USSR	81260
91563	21249* 30006*
30374*	30412* 30420*
50384*	50912* 50916*
61153*	71259* 102565*
102714*	102775*
Virginia	30406
Wisconsin	50793
Yugoslavia	81091
Refractometry	24818 28264 38033
53103	55925 78478
38385*	48642* 54531*
78465*	81953* 96402*
Refrigeration	34175
conferences and congresses	6178
6191	106699 54295*
dictionaries	64876*
equipment	74498 74499
15423*	25957* 43821*
54325*	84996* 96627*
Italy	54325*
Malawi	85034
Northern Rhodesia	85034
Republic of South Africa	24513
South America	106635*
Southern Rhodesia	85034
SEE ALSO Food, freezing; Locker	
plants; Refrigerator cars; Trucks,	
refrigerator; Warehouses, refriger-	
ated; and UNDER specific subjects	
Refrigerator cars	54160 55206
24546*	43988* 44008*
44027*	54158* 84861*
Regional planning	24424 27062
86895	87373* 98116*
Argentina	106635*
Austria	87377*
bibliographies	36040 87375
Brazil	36044*
Canada	26668 26686 27063
27064	46096
Chile	106635*
desert areas	56745
Europe	46086 76576*
France	45537* 56749*
Germany	8063* 17024* 45982*
46089*	46094* 56748*
87370*	87371* 87379*
98109*	98113* 98115*
East Germany	12027*
Great Britain	108655*
Italy	35616* 108661*
Japan	108659* 108662*
Kentucky	56743
legislation	8066* 67090*

## Regional planning-- Cont

mountain areas	108661*
Netherlands	67100* 76521*
Pacific Northwest	76575
policies and programs	98110*
Rumania	108589*
Sweden	46100* 56750*
Switzerland	50524*
USSR	56744
USSR bloc	108660*
Vietnam	66567
Western States	56745 86847
Regions	26395 35629 45658
56283	74389 76234
86669	56286*
Canada	26668 26672 26700
Caribbean area	98112
China	108244*
Estonia	66692*
European Economic Community	86555*
Finland	76579
France	86887*
Germany	17024* 75959*
East Germany	66693* 97539*
India	26619 107517 108014
108242	108252 108268
108332	108325
Italy	34077* 45698* 76473*
Japan	26798 34082* 86851*
86916*	
Louisiana	7816
North Carolina	86589
North Dakota	26864
Poland	80206* 84887*
Portugal	26618* 108652*
Rumania	76174 76335 66620*
66676*	
Southern States	46103
Spain	97725
Sweden	78235 108289
USSR	16712* 16833* 26583*
29595*	56293* 66850*
71058*	86884* 86929*
Yugoslavia	56124
Regression analysis	26437 34141
34365	35452 36157
81945	86150 93900
Rehabilitation and relief	16669 45450
55318	66555 108343
SEE ALSO SUBHEAD relief programs	
UNDER Food	
Rehmielopsis balsameae	99337
Reichert-Meissl-Polenske test	85275
Reindeer	
anatomy and physiology	91983*
feeding and nutrition	3187*
Norway	19641* 21796*
26985*	
Sweden	21957*
Finland	67093*
identification	61922*
Norway	67097*
pests	14058* 32683*
USSR	71849*
Reindeer's milk	24805*
Relapsing fever	32668 94242
94796	4711*
Relascope	50679 50681 61084
102479	11983* 80991*
Relaxants SEE Sedation and names of	91498*
sedatives	
Relaxin	4014 4015 13617
22475*	93558* 93559*
Relief SEE Rehabilitation and relief; and	
SUBHEAD relief programs UNDER Food	
Religion	67105 98142 98162
98176	98189 98191
SEE ALSO Churches; Clergymen; UN-	
DER Indians; and names of religions	
Relishes	57114
Remaudiereana	95245
Remulopygus n g	83768*
Renanthera	39225
Rendzina soils	2297 90991* 101841*
Renealmia	26825a
Rennet	6399*
effects on casein	34311* 74738*

## Item

## Rennet-- Cont

effects on cheese	44373 96652
74796*	85480* 85481*
effects on milk	24807 25036
44278	106898*
substitutes	55007
Rennin	24803 24858 54513
54533	54689 55007
6367*	106897* 107036*
reviews	6379
Rent	97896
Italy	26991*
Netherlands	56632* 56647*
Scotland	108569
Spain	34872* 98026*
South Dakota	87241
SEE ALSO Leases; and SUBHEAD	
rental UNDER Equipment and	
kinds of equipment	
Rent (economic)	35498* 45889*
76022*	86664* 86668*
Reoviruses	12698 104715
Repair and technical stations	
China	106410*
Czechoslovakia	56381
Germany	
East Germany	5677* 5833*
15083*	43451* 43649*
Poland	43643*
Puerto Rico	5836*
USSR	43650* 53804* 106245*
Repellents	
Anthonomus grandis	23229 23230
Apis mellifera	32967 42821
bark beetles	4913*
birds	12085 12141 57765
61111	99244
Chironomus plumosus	32680
Diptera	13993* 94206*
Hippelates	23155
insects	14059 42408 42492
63437	83376 23038*
94189*	94245*
tests	4730 14227 83376*
mosquitoes	4761 14062 42492
94009	52765*
plant sources	63437
residual effectiveness	4761
rodents	37105 40689 73096
ticks	14493*
Tribolium	42743
wildlife	12141 40645 50944
88560*	88648*
SEE ALSO names of repellents	
Reproductive system SEE Sex organs	
Reptiles	83753 94066 14353*
105097*	
Resazurin test	15637 24871 85337
34331*	34335* 54515*
Research	17478 17485 27614
27616	36589 36591 56793
57381	57392 57406 67673
88083	109248 109259 109267
109271	109272 109273 36577*
57395*	
Africa	36575 88095 109254
Alabama	88082
Argentina	88099*
Arizona	77105
associations	57386 98704*
Australia	8522 77106 77107
88079	
Austria	27083
Brazil	98690* 109261*
California	17473
Canada	17484 98697 109252
109253	109256 57393*
Chile	27617*
Colombia	88087* 88088* 109251*
Colorado	17475 17489
conferences and congresses	4672
36583	88080 88092 46678*
Costa Rica	27620*
Czechoslovakia	109258
Denmark	36574**
developing areas	109247 67177*
directories	77116
Asia	36576 46665

\*Text of this reference is not in English.  
 \*\*Text of this reference partially in English.



	Item			Item			Item	
Research-- Cont			Research-- Cont			Retained placenta-- Cont		
directories--cont			Taiwan		46676*	cattle--cont		103816*
European Economic Community			Tennessee		109269	reviews		41564*
Far East	36576	46664*	Texas	7844 8538	27618	treatment	13178*	
India		46665		27622 27627 36590	36597	72185*		12568*
Japan		67664		46677 57394	67666	treatment		19298*
USSR		8527	Tropics		36569*	Retama raetam		5611
Europe		77108	Uruguay		98702*	Reticulitermes		14978
European Economic Community		46670	USSR	109249 8537*	17488*	Reticulitermes flavipes	5610	
				25040* 36571*	88098*	23967 42745	33498*	
Finland	57383 87448*	46664*	reviews		98700*	Reticulitermes lucifugus		53555*
bibliographies		88101*	Utah		98703	Reticulitermes speratus		106165
Florida		8520*	Virginia		36595	Reticulitermes tibialis		23967
French Overseas Territories		67662	Washington	36596	77120 109275	Reticulo-endothelial system		4366*
Georgia		46666*	Wisconsin		109276		31726*	
Germany	8521* 17476*	46667	Yugoslavia	57401*	88085*	Reticulosarcoma		3808*
57384* 57385*	98170*	46672*	SEE ALSO Experiment stations; Ex-			Reticulosis	3890*	31596*
98701* 99171*	109250*	98692*	perimental farms; names of experi-			Reticulum		41321*
East Germany	17033*	88096*	ment stations and research agencies;			cattle		103800*
Great Britain	17479	27621	and SUBHEADS research methods;			goats		22842*
77110 88084	98694	98699	research programs UNDER specific			sheep	32264	22797*
30118* 36577*			subjects				22842*	
Hungary	46683	36593*	Reseda luteola		38578	Retirement	26500	27613
India	27623	27625	Reserpine			56777	92090	46111
27631 27632	27633	36571	effects on minks		92822*	Florida		26737
57387 57397	88086	36578*	effects on pigeons		93176*	France		16962*
bibliographies		77113	effects on poultry		31789*	Netherlands		67015*
Iowa		8526	in plants		49565	Vermont		67170
Ireland		46674	Reservoirs	11806 33947	36008	Reuteriola n g		95200*
Israel		8105		39894 56373	102155	Reverchonia		98910
Japan	36571 57391*	87525*	Bulgaria		60591*	Reverin	17811	12952*
88089*			California		8009	Reversion		
Kansas	8528	77109	Canada		26994	currants	83469	83470
Kentucky	27624	77115	Hungary		91242*	Reviews		88882*
Latin America		67144*	Oklahoma		80531	abortion of cattle	62285	62167*
Latvia		57396*	Poland		95138*	abscission		100089
legislation		46681	Taiwan		40173*	acarine disease		105465*
Louisiana	8529	8530	USSR	17863 37580*	39766*	acetylcholine in insects		53131
Malawi	67671	77118		42887* 42888*	50384*	Actinomycetes	26801a	47054*
Mexico		46669*		68357* 70739*	77462*	adenosine triphosphate		68734*
Minnesota		88091		78012*		adrenal cortical hormones		81848
Mississippi		36581	Resettlement SEE Land, settlement and			aflatoxin		81735
Missouri		67668	colonization		51299	agriculture in Cameroon		97698*
Nebraska		27628	Resin acids			Agrostemma githago		72632*
Netherlands	8535*	36584*	Resins SEE Gums and resins		82610	aircraft in forest fire control		71320
98688*			Resistance-inducing-factor test		61390	air pollution effects on forests		71306*
Nevada		8531	Resorcinol		35733	Aleutian disease		52079*
New Hampshire		57400	Resource planning	26682		alexin		37053
New York	27629	88093	87313			alfalfa nutritive value		52203
New Zealand	8532	88090	Africa		66608	alfalfa silage preparation		21769*
109255 109260			Canada	26685 26706	26719	algae as food	15360	87796*
Nigeria		57379		27071 35709		algae biochemistry		79023
North Carolina	36586	57380	conferences and congresses		26684	algae in soils		49819
Northern Ireland		46673	26710 66569			algae morphology		79023
Northern Rhodesia		77118	developing areas		8021	algae nutrition		78533
Norway	67671	109263*	India		16698	algae taxonomy		46965*
Ohio	76610*	57390	Latin America		66616	alkaloids in plants		79035
Oregon	8525 8533	77111	USSR		66702	Alternaria taxonomy		233
Pacific Northwest		8133	SEE ALSO Land, utilization; Policies			amine oxidase		81718
Pakistan		17480	and programs			amino acids in animals		10272
Pennsylvania		46679	Resources SEE Land; Natural resources;			amino acids in plants		89246*
Philippines	98696	109266	and UNDER Forests			amino acids in proteins		54127
Poland	17474* 27626*	36570*	Respiration SEE UNDER Insects and			amino acids in swine nutrition		42250
36579* 46680*	56858*		names of insects; Livestock and names			anaplasmosis treatment		103694
policies and programs		8523	of animals; Plants			Angiospermae cytology		18570
8534 17486	36588	42427	Respirators		23067*	Angiospermae genetics		100072
46681 56828	57388	57389	Respiratory system			89276*		
67663 67670	67672	67674	buffaloes		92232	Angiospermae morphology		100072
76226 109264	109265	109270	dogs		41792*	Anopheles anatomy and physiology		73142
98698*			livestock		92044*	Anopheles and disease		73142
Australia		45542	poultry	31929	52252	antennae		42883
Israel		98689	rabbits		52347*	anthelmintics	31036	81839*
New Zealand		67669	swine		4583*	anthrax in Western Hemisphere		21889*
USSR	109274*	109274*	Respirometers		33481	antibiotics effects on animals		3085*
Washington	98138		Restaurants	54145 84753	84754	12587*		
Scandinavia	88094*	109262*		84759 84760	84761	antibiotics effects on poultry		93052*
Scotland	36587	88081	SEE ALSO Cookery, large-quantity			antibiotics in plant disease control		17949
situation and outlook	23084	42363	Restio		17707			
South Carolina	77119	109268	Restio tenuiculmis		17641	antibiotics plant sources	26801	47054*
South Dakota		57398	Restio tetraphyllus		17704	antigens and antibodies	71823	51573*
Southern Rhodesia	67671	77118	Restraint SEE UNDER Livestock and			antioxidants		55752
Southern States	66679	66680	names of animals			apiculture		83588*
Spain		46682*	Resuscitation		72383	Apis mellifera biology		63737*
Sudan		98693	Retained placenta			Apis mellifera queens diseases		42810
Surinam		17487*	buffaloes		72315	apple fungus diseases	233	99387
Sweden	46668*	77112*	cattle	51915*	62224*	apple marketing		34726
109257*		108695*	prevention		92593*	apple products		6693

\*Text of this reference is not in English.



Item		Item		Item	
Reviews-- Cont		Reviews-- Cont		Reviews-- Cont	
apricot diseases	77497*	cattle infectious diseases	62285	dairy industry in Poland	107044
arabinogalactan	21639	62167*		dairy industry study and teaching	74988
Archimycetes	47253*	cattle meat production	41707*	dairy products manufacture	74988
arteriosclerosis causes	41330*	cattle mechanization	24024*	Deuteromycetes	47253*
arthropod biochemistry	83738	cattle metabolism	72217*	Dianthus caryophyllus	59761*
arthropod control	26990a*	cattle milk production	103439	Diatomaceae physiology	19008
arthropod digestion	83724	41509* 41707* 62275*		dicotyledon morphology	702
arthropod enzymes	83724	cattle types	62275*	dietetics	46468
arthropod habits and behavior	14390	Cattleya guttata	77336	Dirofilaria immitis	31562
arthropod mechanoreception	23509*	cellulose fiber chemistry	54858	diurnal rhythm of plants	78515
arthropod physiology	83731 83738	cellulose fiber manufacture	54810	dogs disease treatment	92725*
arthropod sterilization	105539	cellulose fiber properties	54863	dogs sanitation	92725*
arthropod temperature	83742	cellulose in plants	38602	drainage tile	80536*
arthropods and disease	94064	cellulose processing	71547*	drought effects on plants	78482
artificial insemination of poultry	92982	cellulose properties	71553	78518	
artificial insemination of swine	63180*	cellulose structure	71485 71553	drugs effects on insects	53131
Ascomycetes	47253*	cellulose textiles	54817 54871	drugs in feed	107071
ascorbic acid	12600	cesium in animal physiology	91982*	dry farming in Great Plains	59320
Aspidiotus perniciosus control	23103*	Chagas' disease transmission	83243*	drying oils	7262
baby pig care	22991*	cheese chemistry	96435*	dwarf plants	100072
baby pig diseases	104823*	cheese curing	15748	economic poisons application	42364
baby pig weaning	93764*	cheese flavor and odor	96435*	economic poisons determination	84785
bacteria nodule	11364 101831*	cheese manufacture	85495	84795	
bacteria psychrophilic	86224*	cheese manufacturing equipment	54665	economic poisons effects on plants	959 78826
bacteriophages	37409	cheese starters	25029	economic poisons effects on soils	20479*
barbane	2007	chemicals effects on soil microorga-	39785		
barley cytology	89180	nisms	6112	economic poisons in feed	42364
barley genetics	89180	chemicals in food	8403	economic poisons in food	6031
barley malting	6307 85114	chemistry	83122	6112 42364 106562 106563	
bark chemistry	71555	chemosterilants	83124	106572	
bark extractives	71555	chemosterilants chemistry	81339*	economy	46062*
beef cattle feeding and nutrition	22083	chemotherapy	22988	economy of Portugal	66339*
82040		chemotherapy of swine	93276*	edema disease	13823*
bees anatomy and physiology	73712	chick embryos anatomy and phys-	4108*	egg products properties	16350
beneficial insects	42452	iology	72652	egg properties	16350
beverages	7480	chick feeding and nutrition	72652	eggs	7387
biophysics	38345	chick feeding deficiencies	14117	Ehrharta calycina	89050
blackhead resistance	93198	chick parasites	53151	elastomers	55752 55758
Blighia sapida	10631	Chilotraea auricilia	65131*	encephalitis in Taiwan	94250
bloat of ruminants	103226	chitin	65131*	encephalitis St. Louis type	83244
blood enzymes	81718	chlorinated hydrocarbon insecticides	78846	entomology	42342 94635*
blood groups	71780*	in cattle physiology	84785	entomology economic	13975*
blood groups of poultry	93190	chlorinated hydrocarbon insecticides	6263	environment effects on animals	94664*
blood of cattle analysis and compo-	3547*	in milk	9890	environment effects on insects	94664*
sition	46715*	chloroplasts	9890	environment effects on sheep	72884*
botany	6307 85114	chromatography in economic poisons	58807*	environment effects on trees	100219
brewing	69555	research	58807*	enzymes	82496 83724
Bromus tectorum	13881*	cider microorganisms	41707*	eosinophils in cattle	13138*
brucellosis in Europe	42476	citric acid in animal physiology	41707*	equine encephalomyelitis Venezuelan	71773*
Brugia malayi	31499	citric acid cycle in plants	37069	type virus	93832*
buffaloes	34343	citrus hardiness	47116*	Erysipelothrix insidiosa	31022
butter analysis and composition	65066	citrus injuries	68275*	esophageal fistula	65988*
butter manufacture	15746	climate and weather effects on cattle	89740*	essential oils	95482
butter moisture	34343	climate and weather effects on plant	91991*	Euphyes dukesi	81848
butter starters	25029	disease	22947	eye diseases	42882
cabbage caterpillar pests	5516	climate and weather effects on plants	20491	eyes of insects	108474*
cacao pests Nigeria	105267	climate and weather effects on swine	68275*	farms and farming size	53140
cacao processing	85102	22947		fat body of insects	45100
calves and heifers anatomy and phys-	3547* 82302*	Clostridium pasteurianum	68275*	fats and oils	7232 7252 45100
iology	41438*	clover virus diseases	89740*	fats and oils analysis and composition	7316 65977 7296*
calves and heifers disease resistance	12944	cobalt in plants	91991*	fats and oils extraction	7283
calves and heifers diseases	41542	coccidiosis	21868 63153	fats and oils in feed	103115*
calves and heifers feeding	72105 41480* 41501*	91992* 91993*		fats and oils oxidation	7310
calves and heifers weaning	41542	coffee	54428*	fats and oils processing	7235
cancer causes	81735	cold effects on citrus	58807*	fatty acid esters polymerization	7299
cancer of dogs	13286	collagen biochemistry	16200	fatty acids	7275 7286
carbamate insecticide toxicity	104975	collective farming in Czechoslovakia	76348	fatty acids in animal nutrition	51397
carbaryl toxicity	104975	Collembola ecology	43342	fatty acids in rumen	71835
carbon in plants	78368	colostrum of cattle	46471	fatty acids polymerization	7299
Carpocapsa pomonella	4861	Corynebacterium sepedonicum	99544*	feed analysis and composition	107071
casein chemistry	6379	cotton anatomy and physiology	58585*	feed formulas for poultry	4108*
castorbean meal	44407	cotton breeding	19591	feed home production	41509*
catalase in plants	48627*	cotton genetics	27775	feed molds	85536
cattle abnormalities	41438*	cotton yields	19591	feed pellets	3089*
cattle anatomy and physiology	65131*	Culex and disease	94250	feed processing	81650 41509*
cattle breeding hybridization	82024	culture media	67731	feed requirements	31224
cattle breeds--Charollais	82024	Cysticercus bovis	22211*	feed supplements for poultry	93052*
cattle breeds--Charollais	103885	Cysticercus inermis	3611*	feed toxicity	85536
cattle carcass quality	3534	cytology	76911	ferredoxin	20491
cattle diseases	103439	dairy cattle feeding	41481*	fertilizers	2366
cattle fertility	41438*	dairy cattle feeding in Great Britain	31224	fertilizers foliar application	80295*
cattle genetics	103885	dairy cattle feeding in New Zealand	15730	fertilizers liquid application equip-	24089*
cattle growth				ment	20750*
				fertilizers organic	

\*Text of this reference is not in English.

		Item			Item			Item
Reviews-- Cont			Reviews-- Cont			Reviews-- Cont		
fiber analysis	54767	54831	grazing		18956	insects and disease	14075	42476
fibers	54764	54902	greenhouse culture soils		2309	42501	73122	
field crops breeding		100753*	greenhouse equipment		43804*	insects and plant disease		23076
field crops fertilizers		29781	greenhouse heating		84706*	Insecticide Fungicide and Rodenticide		
field crops germination		58707	growth substances	19211*	89582*	Act		77537
field crops nematode resistance			growth substances determination		101488	insecticides		81839*
		100753*				insecticides human pest control		83243*
filariasis		42476	growth substances effects on fruit		85873	insecticides in feed		42364
fish culture		87842*	growth substances effects on plants		78440	insecticides in food		42364
fish flour		86543	growth substances effects on vege-			insecticides mite resistance		52715
fish products		45398	tables		85873	insecticides regulation and inspection		77537
flax spinning equipment		54845	growth substances inhibitors		78417	insecticides toxicity		83173
fleas		43358	gums and resins	7554	44089	intestinal worms of sheep		22209*
floors and flooring slatted		53931	55761			iodine in animal physiology		91982*
fluorescence analysis of economic			halides in animal physiology		10248	iodine in cattle nutrition		92312*
poisons		106572	halides in plants		10248	iodine in cattle physiology		72217*
fluorescence analysis of plants		77157*	Harvestore		64500*	ion exchange in dairy industry		25016
fluorescent antibody technique		51573*	hay wafers		43630*	ions in insect physiology		53154
food		6110	heartworm of dogs		31562	ions in plants		78459
food additives		106563	herbicides	2008	2016	irrigation	29929	102160*
food analysis	6031		101465			irrigation equipment		102202*
106572	6018*		herbicides determination		101488	IXodes ricinus and disease		23147*
food bacteria		6027*	herbicides effects on plants		973	jambolans		69724
food chemistry	43937	84980	99891	100087	100089	jellies and jams		7480
food contamination	6110	43905	100125	100139	100251	kale culture		49396
84929	106572	74439*	100276	100321	100501	kenaf		34645
food discoloration		43937	100531	101465	100513	keratin	25205	25239
food flavor and odor		34123	herbicides formulations		100251	laboratory animal physiology		62653
food irradiation		24463	herbicides in soils	973	39476	lactic acid bacteria		6309*
food microorganisms		6125	101722	101784		Lactobacillus		74327
food processing	44089	54283	heterosis		10317	land utilization		8008*
84980	85030		Hevea brasiliensis biochemistry			laryngotracheitis	4218	4219
food properties		85030				latex		45273
food spoilage		6125	Hevea culture		38515	leather microorganisms		97170
food transportation by water		43992	honey plants physiology		39614	legume culture in Great Plains		59320
foot-and-mouth disease virus		71773*	hops		78774*	leishmaniasis transmission		83224
forage plant culture		100955*	hormones		85114	letal factor in insects		105540
forage plant physiology	9871	18956	hormones of animals		8416	leukemia		41373
forest damage		71306*	hormones of insects		41323*	leukemia of cattle	13138*	41701*
forest fire control		71320	hormones of plants		23507*	92548*		
forest pest control		61204	hormones of trees		38399	leukosis complex		93183
forest surveys		71003	horticulture		68787	Lichenes taxonomy		47004*
forestry	30115	70919	human disease transmission by in-		1683	light effects on arthropods		14390
formaldehyde in milk		96492*	sects		42501	light effects on cotton		58585*
fruit coatings		85873	human ecology		46093*	light effects on insects	83733	94654*
fruit juice and sirup processing		85824	human nutrition	27300	46448	light effects on plants	78336	78494
fruit marketing		96837	46463	46464	46467	78515	78620	78846
fruit properties		75224*	human nutrition and health		46468	48174*		
fruit pruning		19758*	46465		46448	light effects on poultry		52182*
fruit rootstocks		38975*	human nutrition in space flight		15360	lignin chemistry		61562
fruit storage		85873	human nutrition of children		27285	lignin in wood		71563
fruit storage in controlled-atmos-			human nutrition requirements		46444	lipase in milk		85269
phere		44789	human nutrition surveys		27285	lipids	65970	66031
fruit transportation		85873	hydatidosis	81754	61886*	lipides in animal physiology		3175
fruit weed control		29271*	hydatidosis control in cattle		3611*	lipides in plants	58962	78907
fungi as plant parasites		18805	22211*			liver diseases		81735
fungi biochemistry		79023	hypomagnesemia of cattle		22204*	liver of cattle		62275*
fungi cultures		28134	22205*			livestock		94635*
fungi cytology		37743	indoleacetic acid oxidase		48558	livestock anatomy and physiology		
fungi hybrids		17903	insect anatomy and physiology		42874	83738	92098*	92099*
fungi physiologic specialization		37215	42883	62653	94649	livestock cytology	12720	103293
fungi taxonomy		46987*	insect biochemistry		53140	91914*		
fungi wood-destroying		51147*	insect control		105041	livestock disease resistance		30873
fungicides	37302	77537	insect control chemical		42435	livestock disease transmission		52806
fusel oil		35212	insect cuticle		53151	livestock diseases	41361*	61778*
galactomannans		54283	insect cytology	53155	105540	livestock estrus		3192
gamma rays effects on goats		93686	insect diseases	23076	42874	livestock feeding and nutrition		3053
geese		82672*	insect ecology	42881	94654*	31022		
gibberellins effects on plants		78594*	insect genetics	18697	105540	livestock feeding deficiencies		41330*
glucides in animal physiology		3547*	insect habits and behavior		14383	livestock fertility	3182	51385*
glucose in blood		3547*	94664*			61778*		
goats		104736	insect host plant resistance		83580*	livestock growth		12587*
gonads of insects		105540	insect metabolism		23530*	livestock habits and behavior		94664*
grain		6989	insect oviposition		83122	livestock injuries		103293
grain awns		994	insect physiology	53131	53146	livestock lactation		51486*
grain feed	81650	82040	53154	53155	63807	livestock meat production		41323*
grain processing		85906	insect numbers		42868	103115*		
grain physiology		994	insect orientation	14391	14411	livestock metabolism		91982*
grain drying equipment		84546*	14388*	14402*	23513*	livestock pests	61690	81839*
granadilla		44612	insect populations		42868	livestock poisoning	61752	61834
grape analysis		24646*	insect sterilization	42435	33122	83173	105093*	
grape harvesting equipment		5757*	83134	105539	105540	livestock products microorganisms		86224*
grass tetany		12589*	insect viruses		23076	livestock reflexes		83173
grasses culture in Great Plains		59320	insect vision		42882	livestock temperature		83742
grasses physiology	9871	27837	insect water relations		42852			
grasshoppers and locusts nutrition		53525						

\*Text of this reference is not in English.



	Item		Item		Item
Reviews-- Cont		Reviews-- Cont		Reviews-- Cont	
livestock virus diseases	81777	nitrogen fertilizers of sugarcane	20732	plant fungus diseases	37306 37330
12677* 81847*		nitrogen fixation	20491	37743 47253*	
lumber preservation	51147*	nitrogen in milk	46471	plant genetics	18697 68615
lumber seasoning	30543	nitrogen in plants	48179* 48618*	78459 47903*	
luminescence of Lampyridae	83875	nitrogen in ruminant physiology	81806	plant geography	46716* 46793*
luminescence of Mycetophilidae	83875	41668*		plant metabolism	78079 78406
lungs	103293	nitroso compounds in plants	48618*	48000* 48174*	48179* 48273*
lungworms of cattle	103740*	nucleic acids in plants	78675	48618* 78594*	
luteotropin	31980	nucleoproteins	18340	plant morphology	78079 47818*
magnesium in animal nutrition	81669	nucleus of animals	81722*	plant mutation	78336 47903*
magnesium in cattle nutrition	22204*	oilseeds	7283	plant nematodes	37513
22205*		opossums as laboratory animals	104218	plant nutrition	28255 78533
malaria transmission	52770 63450	organic acids in plants	78885	plant physiology	959 38345
73142 94062		organic compounds in plants	48273*	48174 48229	48504 78345
malignant lymphoma	41373	48618*		78354 78433	78826 78774*
mammary gland of cattle	92505	organic phosphorus insecticide toxic- city livestock	105093*	plant pigments	78406
margarine	7252	ornamental plant pests	42726	plant protection	26990* 42441*
mastitis in cattle	31434*	ornithosis diagnosis in poultry	93180*	47091* 88556*	
meat	7103	osmosis in insect physiology	53154	plant respiration	78885
meat contamination	96505*	ova	3182	plant transpiration	48504*
meat curing	25967	paints and varnishes	7262	plant virus disease control	26990a*
meat flavor and odor	107644	paleobotany	46716* 46739*	plant virus diseases	23076 52749
meat moisture	75545*	Papaver somniferum pests	4820*	37430 37464	78620 47512*
meat processing	86234	parasitic plants host relations	18805	47561*	
meat quality	103115*	pastures and meadows in Brazil	38850	plant water relations	9885 48382
meat waste	103115*	pastures and meadows management	27837	58671 78482	78658*
Melolontha melolontha	14559*	pastures and meadows mechanization	84261*	plastics microorganisms	54268*
meningo-encephalitis of man	23147*	pastures and meadows yields	69554*	Plutella maculipennis	5516
metals in food	43905	peanut drying	7237	polarography in economic poisons	
mice habits and behavior	104222	Peronospora tabacina control	47207*	research	84795 106563
microbiology	27365 36379	peroxidase in plants	48627*	pollen physiology	78608
microclimate of barns	22947	pest control	42441*	polymers	55758
microorganism genetics	47921*	phenols in grapes	24646*	polysaccharides	54283
microscopy in wool research	75132*	phenols in wine	24646*	population situation and outlook	46062*
milk contamination	34396	Phlebotomus and disease	83224	pork moisture	52659
milk containers	44338	phosphorus fertilizers	70622	potassium effects on plants	58671
milk enzymes	85269	photoperiodism of animals	81889	potato bacterial diseases	99544*
milk fat	108963	photoperiodism of plants	78519	potato defects	107348
milk fever of cattle	92462*	1197*		potato sprout prevention	6921*
milk judging	44330	photosynthesis	10124 10183	potato virus diseases	58076* 88871*
milk nutritive value	46471 108963	78368 78430 78871	78885	poultry	7387
milk processing	25016	photosynthesis in bacteria	78843	poultry breeding hybridization	72556*
milk proteins	108963	phototropism in plants	78429	poultry diseases	4228
milk sterilization	65171	Phycomycetes	47253*	poultry egg production	52182*
milking machines	84380*	phytopathology	37040 37157	poultry feeding	13447* 52182*
minerals in horse nutrition	13365*	47157*		poultry habits and behavior	31980
22404*		Phytophthora	37215 99387	poultry housing	53906
minerals in plants	48000*	Picea glauca growth	12111	poultry poisoning	72632*
minerals in ruminant nutrition	91871*	pickles spoilage	85800	poultry types	4108*
minor elements in horse nutrition	13365* 22404*	Pieris rapae	5516	pregnancy disease	52429
Miridae in Nigeria	105267	pigeons habits and behavior	31980	processing effects on nutritive value	
mite oviposition	83122	pineapple industry	85656	progesterone	84980
mite sterilization	83122	Pinus sylvestris crowns	102742	prostate gland of dogs	31980
mites and disease	4780 52749	pipes plastic	80536*	protective milk	92698
molecular biology	38345	placenta of cattle	82302*	protein analysis	6425 6442
mosquito biology	94220	plague transmission	94064	protein chemistry	54120 54127
mosquito genetics	64069	plankton ecology	99802	protein fibers	54094 54795
mosquito parasites	73142 83244	plant abnormalities	99891	protein hydrogen-ion concentration	
mosquito taxonomy	94220	plant anatomy	47823*	protein textiles	54762 54763
mosquitoes and disease	52769 94062	plant bacterial diseases	37409	proteins in animal physiology	21860
52770 63450 83244		47455*		proteins in cattle nutrition	31224
94220		plant biochemistry	10183 10265	proteins in insects	53151
mucosal disease	13132	plant breeding	89246* 89276*	proteins in plants	89246*
Musca	42536	plant chromosomes	47903*	protoplasm	68615 78846
muscles of arthropods	83731	plant cytology	9464 9490	Pseudaletia unipuncta	23092
muscles of livestock	21860	78345 99979	47735* 47903*	Pteridium aquilinum toxicity	61752
muscular hypertrophy of cattle	31355*	78147*		Pteridophyta taxonomy	46939*
mycorrhiza	38115*	plant disease control	17948 17949	pulp and paper	2984 71474
nectar	78774*	plant disease resistance	37053	pulp and paper manufacture	71502
nerves of arthropods	83731	plant diseases	8896 18045 38399	pulp and paper materials	71485
nerves of insects	53146	47116*		pulp and paper microorganisms	2986
nervous system of cattle	62162	plant diseases soil-borne	37287	pulp and paper quality	21589
nervous system of insects	53155	37306 37422 47181		pulp and paper waste	2985
Newcastle disease immunization	62841	plant dormancy	78841	pyridinium compounds	2016
	36322*	plant ecology	68392 78345	radiation effects on animals	3306
nitrites in animal nutrition	36322*	47680*		91982*	
nitrites in human nutrition	78562	plant enzymes	78620 48627*	radiation effects on insects	105539
nitrites in plants	2009	plant evolution	24*	105540	
nitrites in animal nutrition	36322*			radiation effects on plants	48174*
nitrites in human nutrition	71810*			radioactive contamination of food	84929
nitrofurans compounds	61674				
nitrogen compounds in feed	10265				
nitrogen compounds in plants	70622				
nitrogen fertilizers					

\*Text of this reference is not in English.



	Item		Item		Item
Reviews-- Cont		Reviews-- Cont		Reviews-- Cont	
radioactive contamination of milk		soil sanitation	47181	Toxoplasma gondii	82494*
radioactive tracers in animal re-		soil types		toxoplasmosis	21857
search	105041	soils in Iraq		toxoplasmosis of cats	62497*
radioactive tracers in insecticide		solar radiation effects on plants	68711	toxoplasmosis of mice	82494*
research	104975 105041	sorghum culture	89995*	toxoplasmosis of rabbits	82494*
range management	69555 79274	soybean processing	45167	transportation on the farm	5864*
rats habits and behavior	104222	space biology	77161	transportation refrigeration	43992
rennin	6379	specialized farming	88556 108474*	tree diseases	37069
research in USSR	98700*	spectroscopy	6018*	tree growth	46 68787 100219
retained placenta of cattle	103816*	spectroscopy in plant research	78406	tree pest resistance	83580*
rheology	39671*	Spermatophyta genetics	47861*	tree physiology	38115*
rice breeding	10358	Spermatophyta taxonomy	46888*	tree rings	46 77176*
rice pollen	28068	spider orientation	14470	tree seed pest control	61204
rickettsial diseases of animals	12638	spinning	54779	tree seeds	71267
rickettsial diseases transmission		Spodoptera exempta	95381	Triatoma protracta in California	94176
ringworm	4780 21901	Staphylococcus aureus	30873	Triatominae control	83243*
road construction	5639*	Staphylococcus in food	24381 74439*	triazine compounds	2008
rodenticide regulation and inspection	77537	Staphylococcus in livestock	30873	Trichoplusia ni	5516
rotation of crops	17948 59320	starches in cattle nutrition	41501*	tropism in plants	48130*
roughage in ruminant nutrition	3089*	statistical methods in biology	109278*	Trypanosoma simiae	22988
roughage processing	3089*	Stenotarsonemus pallidus control	105307*	trypanosomiasis of swine	22988
rubber	45258 45262 45266	sterility	51385*	trypanosomiasis transmission	73122
rubber chemistry	45263	sterility of cattle	21977*	tumors	12599 41373
rubber oxidation	7396	stomach worms	22209*	tumors in cattle	13138*
rubber processing	55761	straw fertilizers	102035*	tumors in plants	47127*
rubber properties	45269 86411	strawberry pest control	105307*	ultraviolet rays effects on plants	78336
rubber synthetic	7396	strongylosis of ruminants	21836*	Uredinales	37350
rubber tests	45277	strontium in animal physiology	91982*	urea fertilizers	80302
rubber vulcanization	7396	sugar	7480	vegetable coatings	85873
rubber vulcanized	45263 45269	sugar beet culture	79391*	vegetable marketing	96837
rumen	92080*	sugar industry	79391*	vegetable storage	85873
rumen microorganisms	81806	sugar products	20732	vegetable storage in controlled-at-	44789
rumen microorganisms	103180	sugarcane fertilizers	97468*	mosphere	85873
ruminant digestion	81806 41668*	sugars properties	28255	vegetable transportation	73712
ruminant metabolism	81806 91871*	sulfur effects on plants	19082*	Velia physiology	57617
ruminant nutrition	61674 80708*	sulfur fertilizers	101911	Verberna	61690
runoff	76173	sulfur in soils	28255 101911	verminosis	3305 14075
rural development in Asia	76173	sweetpotatoes in the Tropics	29079	61823* 81839*	72652
sausage manufacture	45398	swine abnormalities	104851*	verminosis of poultry	71773*
schistosomiasis	31009	swine breeding effects of feeding	42242*	vesicular stomatitis virus	41361*
scours of cattle	12944	swine erysipelas causes	93832*	veterinary medicine	51616 92098* 92099*
seaweed ecology	18439*	swine feeding and nutrition	22931	veterinary medicine drugs	31036
seed treatment	26990a*	swine genetics	104851*	vinegar adulteration	106825
selenium toxicity	61834	swine germ-free	22991*	virus hepatitis of ducks	93249*
semen	3032* 41193*	swine housing	53931 22947*	virus pneumonia of swine	22947*
semen dilution	41193*	swine meat production	52659	viruses	81777 71773*
semen storage	30751*	swine meat production effects of	42242*	viruses properties	81847*
sense organs of animals	83742	feeding	42242*	viruses transmission by arthropods	14080
sense organs of arthropods	83742	symbiosis insects and microorga-	73142	viruses transmission by mites	52749
sense organs of arthropods	23509*	nisms	23076	vitamin A in cattle nutrition	22083
sense organs of insects	23513*	symbiosis plants and viruses	23076	vitamin A in poultry nutrition	52203
sericulture	32985*	systemic insecticides	105041	vitamin A in poultry physiology	72652
sewage fertilizers	2673*	Tabanidae control	94193*	vitamins	8416
sheep breeds	32174 72732*	tea processing	85102	vitamins in animal physiology	61823*
sheep carcass quality	103885	teeth diseases	12599	vitamins in horse nutrition	13365*
sheep diseases	3534	temperature effects on plants	78345	wasps stings	4736
sheep feeding on pasture	13658	tetanus in cats	104013	water consumptive use	9885 48382*
sheep genetics	72731*	tetanus in dogs	104013	weed control biological	42452
sheep growth	32174 103885	Tetranychus telarius insecticide	52715	weed control in India	79773
sheep milk production	72881	resistance	54817	wheat breeding	10317
sheep pregnancy	104222	textile bleaching	54763	wheat conditioning	25739
sheep wool production	32174 72731*	textile finishing	54762	wheat fertilizers	70622 91162
sheep wool production	72732* 72818* 72884*	textile microorganisms	97170	wheat fungus diseases	18198
sex determination	81722* 91914*	textiles	54902	wheat hybrids	10317
sex livestock ratio	92130	thiabendazole	21849*	white muscle disease of swine	63290*
sex of plants	18657* 48229*	ticks and disease	4780 14080	wildlife control	61204
silage corn preparation	24285*	Tilletia contraversa	18198	wildlife diseases	52806
silos	24285*	tissue culture of animals	71823	wildlife pests	104218
simazine effects on plants	38396*	tissue culture of insects	94649	wind erosion control	11830*
smut of wheat	18198	tissue culture of plants	9490	wine acids	6309*
sodium chloride in animal physiology	41231*	tobacco	66269*	wine analysis	24646*
soil aeration	39678*	tobacco processing	85102	wine bacteria	6309*
soil erosion	40352 80708*	tobacco virus diseases	47463	wine manufacturing equipment	6296*
soil erosion control	40347*	tocopherol in animal nutrition	21797*	wine microorganisms	6263
soil fertility	49819 101911 101947*	tocopherol in cattle physiology	3534	wood chemical products	71512
soil management	2309	tocopherol in poultry physiology	4228	wood chips defects	21589
soil microorganisms	2243 37287	tocopherol in sheep physiology	3534	wood collapse	91772*
soil microorganisms	39785 101784 20479*	tomato color	19242	wood decay	21465 51147*
soil moisture	48382*	tomato physiological diseases	19242	wood elasticity	81622*
soil-plant-animal relations	92312*	toxins	18045	wood pests	21465
soil properties	39671*	Toxoplasma	21857	wood shrinkage	91772*
				wood specific gravity	51362

\*Text of this reference is not in English.



[illegible]

\*Text of this reference is not in English.

	Item		Item		Item
Rhododendron-- Cont		Rhusigen	32550	Ribonuclease	89819 22636*
Caucasus	9507*	Rhyacia cnigrum SEE Amathes cnigrum		in cattle physiology	103769 106903
China	88357	Rhyacionia	32904*	in dog physiology	31534*
culture		Rhyacionia buoliana		in Drosophila	105762
Great Britain	49242 49251	biology	64220	in fungi	28399
49258 49277		control	32893 42750 53045	in milk	65100 74791 106899
Oregon	20036	105396 14253*	53011*	106903	
New Zealand	49170	94472*		in plants	1401 18372 48649
Scotland	49167	eggs	84079*	89867	
fungus diseases	37346	identification	4914	Ribonucleic acid SEE Nucleic acids	
18217* 37355* 77776*		parasites	64135 64220 14253*	Ribonucleoproteins SEE Nucleoproteins	
hybrids	1823	53011* 84079*		Ribonucleotides SEE Nucleotides	
injuries	47099	Rhyacionia cristata	105881*	Ribosomes	99828
Latvia	28975*	Rhyacionia duplana	73781		105495*
propagation	19980*	Rhyacionia frustrana	32901	Ribulose	100271*
seeds	9507*	42792 42793	63719	D-Ribulose	89962
USSR	8682*	Rhyacionia rigidana	63719	Ribulosediphosphate	100271*
varieties	1846 49171 49176	Rhyacionia subtropicala	73301	Riccia	160 36951 77434*
49217 79619 90413		Rhyacionia turionana	84151	Riccia canescens	169* 77443* 77444*
Czechoslovakia	69855	Rhyacophila septentrionis	95620*	Riccia fluitans	1151 89074
Great Britain	20071*	Rhyacophilidae	95644*	Riccia rhenana	8789*
Rhododendron auriculatum	49176	Rhynchosia rustica	73652*	Rice	10332 59156*
Rhododendron caucasicum	99982*	Rhynacus	63880 83765	abnormalities	18512
Rhododendron cuprescens	88357	Rhynacus breitlewi	83766 94698	acreage and area	16143
Rhododendron edgeworthi	49176	Rhyncaphytopus	5081	India	55380 --- 55382 65770
Rhododendron ferrugineum	88789*	Rhynchacis	73741	Pakistan	76286
Rhododendron griersonianum	49176	Rhynchaenus fagi	4837*	Panama	7032*
Rhododendron indicum	58574	23295* 83475* 105284*		advertising	36236
27070a* 37172* 83484*		Rhynchaenus salicis	23379*	Africa	1522
Rhododendron japonicum	39945*	Rhynchina	23892*	analysis and composition	34879
Rhododendron maximum	48631 100106	Rhynchoaulus n g	63866*	68988 69113 25578*	25749*
Rhododendron oil	86309*	Rhyncholimonia SEE Helius		44833* 44967* 65720*	65745*
Rhododendron ponticum	20074*	(Rhyncholimonia)		75436* 85969* 85970*	85971*
Rhododendron scabrifolium	49176	Rhynchophorus ferrugineus	63612	107526* 107528*	
Rhododendron simsii	58288*	Rhynchophorus palmarum	105255	anatomy and physiology	962 1036
Rhododendron virgatum	49176	105291 105292 52960*		1041 1097 1098 1100	
Rhodomela larix	100705*	Rhynchoprotinae n sfam	83768*	1101 1122 1270 9701	
Rhodomelaceae	89901*	Rhynchoribates	73507*	9706 9745 9942 9994	
Rhodometra sacraria	43240	Rhynchospira longisetis	17713	10044 18760 18845 18849	
Rhodomyrtus tomentosa	38335	Rhynchospirum secalis	27661	18892 18905 19063 19084	
Rhodopaxillus densifolius	8850*	9064* 37209*		19112 19151 27735 28042	
Rhodophyceae	10217 17844 88477	Rhynchostylis gigantea	10828	28044 28054 28137 28138	
18510* 88483* 89158*	89864*	Rhynchota	33247 53416*	28165 28241 37955 38010	
Rhodophyllus SEE Entoloma		64121*		38058 38291 38466 38488	
Rhodophyta	46952	Rhynchothrips turkestanicus	15004*	48076 48219 49500 58419	
Rhodospirillum rubrum	31709	Rhynchoptoides	83773*	58611 58894 78522 78847	
Rhodosticta quercina	77748	Rhyncostylis SEE Rhynchostylis		89326 89424 89425 89768	
Rhodotorula	46967*	Rhyparida	52877	100080 100090 100141 100196	
Rhodotorula glutinis	68515*	Rhyparochrominae	5391	100343 100506 100529 100535	
Rhodotorula gracilis	74480	84057 95245 105822		978* 1064* 1136* 2437*	
Rhodotorula infirmo-miniata	99086	Rhyparochromini	14736	2625* 9537* 9633* 9897*	
Rhoeadine SEE Rheadine		Rhyparochromus (Aellopideus) n sgen		9898* 9927* 9965* 10081*	
Rhoeo discolor	1108*	Rhyparochromus creticus	95247*	10144* 18973* 19083* 19146*	
Rhogogaster	95286	Rhyparochromus (Microtomideus)	95203*	19186* 19250* 27956* 27986*	
Rhomboidederes n g	23629*	Rhyparosominae	53270	28098* 28105* 28151* 28174*	
Rhomborrhina	63964*	Rhysocoris	95156	28177* 28220* 37979* 38172*	
Rhopalocarpaceae	98865*	Rhysoxycopa SEE Xylocopa (Rhysoxy-	95209	38188* 38244* 38260* 38278*	
Rhopalocera SEE Butterflies		locopa)		38405* 38436* 38437* 38770*	
Rhopalomyia	43074*	Rhyssini	53424	48019* 48443* 58648* 58678*	
Rhopalosiphon SEE Rhopalosiphum		Rhytidocaulon n g	55	58679* 58680* 58775* 58901*	
Rhopalosiphoninus latisiphon	94281	Rhytidoponera metallica	84085	68660* 68727* 68816* 68977*	
Rhopalosiphoninus staphyleae	83371*	Rhytura n g	64168	78650* 89381* 89630* 100147*	
Rhopalosiphum maidis	4824 4825	Rhyzopertha dominica	4893 23375	100253* 100295* 100324* 100331*	
4828 42596 63542 83363		63975		100473* 100500* 100536* 100543*	
5427* 83367*		Rhyzophydium racemosum	18619	Arkansas	73172
Rhopalosiphum padi	4828 42577	Ribautodelphax n g	64131*	bacterial diseases	
42639 73174 94273	14157*	Ribes SEE Currants; Gooseberries		China	47429
83357*		Riboflavin		control	18253*
Rhopalum	14815*	in Aspergillus niger	48591	India	99556
Rhubarb		in beef	35110	Japan	18262*
anatomy and physiology	68712*	in cat physiology	92764	18263* 18264* 37410* 47448*	
chemistry	44590	in chickpeas	38600	Bali	98739*
culture	29025 39389 20177*	in dairy products	57148*	bibliographies	55288
79736*		in eggs	26184	86062	
forcing	60354 100162	in Eremothecium ashbyii	19376	biochemistry	835 19369
planting	60354	89859*		38591 48613 69160 100584	
varieties	20177* 39407*	in food	64770*	100659 28174* 100655*	
Rhus	1840 10896 95340	in grain	55283*	breeding	38684
Rhus cotinus SEE Cotinus coggygia		in meat	76868*	38766 48705 57872	69369
Rhus hirta SEE Rhus typhina		in milk	22260 31522 51995	British Guiana	28522
Rhus radicans SEE Toxicodendron		106950 57148* 96425*		California	10382
radicans		in plants	100632	China	100816*
Rhus toxicodendron SEE Toxicodendron		in poultry meat	16361	France	47880*
radicans		in poultry nutrition	4092 31816*	India	28526 38764
Rhus typhina	1017 102717 30744*	31862* 82567* 93313* 104262*		58467 90051	
68036*		in poultry physiology	41960 62935*	Italy	28552* 47838* 48678*
Rhus vernicifera	48526	in swine nutrition	82905		
Rhus vernix SEE Toxicodendron vernix		in turkey nutrition	4056		
		Riboheulose SEE Psicose			

\*Text of this reference is not in English.



	Item				Item				Item		
Rice-- Cont				Rice -- Cont				Rice-- Cont			
breeding--cont				culture--cont				fertilizers--cont			
Japan	28449*	37867*	37916*	Senegal Basin		19485*		Japan	2428*	20563*	20763*
37920*	37921*	37922*	38746*	Sudan		28459		28174*	29728*	29837*	38278*
79175*	79209*	79222*		Taiwan	10330	28486*	59209*	58901*	60427*	68816*	80407*
Malagasy Republic	19477*	19546*		Thailand		100806		Korea			40117
19548*				USSR	10323*	48767*		Louisiana	2412	20726	40041
Mali		47842*		79197*	100866*	48757*	79122*	102013			
Philippines		69394		Vietnam				Mediterranean area			37979*
reviews		10358		cytology	9593	18512	37871	Nigeria	9745	18892	70527
Senegal		19497*		78223	27603a*			80270			
Sierra Leone		19491		defects				Pakistan			20662
Southeast Asia		38702		discoloration				Philippines			70633
Taiwan	28545*	48719*		disease resistance	870	9579		Portugal			101906*
canned		34858		18158	18210	37457	38682	research methods			
care and handling		107445		57872	58032	68180	28502*	linear programming			80442
chemistry	55248	44956*		28545*				Rumania			29880*
cleaning equipment		33754*		British Guiana				Sierra Leone			20670
color		38172*		China				Southeast Asia			40024
conditioning		44978		India	59216	90051	99420	Taiwan	29684*	50142*	60429*
conferences and congresses		38776		99556				102073*			
48737	19495*	19524*	55243*	Italy				Texas			40041
consumption		55339		Japan		48678*		Thailand			29744
cooked	6952	14246	34858	Louisiana		77871*		USSR	11534*	50085*	80381*
34869	34897	38684	25647*	Arkansas		69404		Vietnam	70566*	70567*	101916*
cookery		36344	36345	diseases		37165*		flavor and odor		6952	7055
cooperatives		25777*	44887*	China	77560	99248		65670	96989	25578*	
costs and returns				Italy		47185		forage plant			38778*
Arkansas		56574		Japan		47077*		forcing			27986*
Brazil	20724*	26914*	45905*			37081		fortified	96938	98402	108959
India		76410		Pacific area				76872*			
Japan		26917*		Southeast Asia		17986		fumigation			14230
Louisiana		35918		drought resistance		17986		44980*	55384*		
Philippines		16834		drying	16120	25596	100773	fungus diseases		9147	9579
Rumania		76429*		55248	55352	107429	28165	18210	27210a	37251	37367
Texas		87198		107521	96931*		107445	47372	47398	57872	59042
USSR		56571*		drying equipment				77725			
Venezuela		45848*		ecology	558*	9345*		Arkansas			9148
Vietnam		35912*		India		14561		control		37292	88802*
credit		108108*		Italy		46954*		British Guiana			8991
culture	69369	79142	79186	Japan		27453a*		China			88777
83355	28450*	38746*		Southeast Asia		38702		India			9104
Arkansas		90006	100835	enzymes	38591	69160	100659	Italy			48678*
Brazil			40238*	10144*				Japan	8979	18226*	47420*
Burma				equipment				99536*			
bibliographies		69425		China		53866		Taiwan	57895	57890*	57894*
California	19550	70669		Japan	24083*	33792*	33828*	USSR			17932
Central America		100784		64554*	64568*	84420*		India	9106	18082	27201a
Ceylon		19520*		extracts				47316	68192	68194	88537
China	59265	79091	100817	farms		27950*		99420	99432	99453	
90004*	90005*	90023*	90035*	Arkansas		108401		Italy			46977*
90047*	90068*	90075*	100786*	Italy		26871		Japan	58032	18158*	18225*
101047*	101059*			Japan	7975*	98022*	87055*	27154a*	68147*		
Colombia		79161*		108420*		26735*		Taiwan	27109a	57889	57892
France	38696*	59174*		Philippines		16834		Thailand			27162a
Gabon		19522*		Texas		97858		genetics	804	835	870
Hungary		10337*		Venezuela		45848*		9579	9593	9634	18760
India	28443	28513	59261	fat and oil content		66012		18761	18777	27735	27737
59823	60216	65741	69113	feed	11043	11500		37865	37871	38010	58393
79180	100797	100821	100895	fertilizers	11594	18849	23590	58419	68620	78269	100080
102094				11594	38466	40068	28165	9633*	27711*	37867*	37916*
Italy	48728*	48729*	58678*	60466	102015	102071	9927*	37922*	47842*	47880*	58395*
58679*	58680*	79117*		70583*	91136*			research methods			
Japan	38729	19186*	19576*	Africa		20654		statistical			58402*
24193*	27037a*	27056a*	28460*	Arkansas	9147	50178	102043	germination	19112	42375	48076
28474*	28506*	28540*	28541*	Asia			39956	78369	89707	1136*	27962*
28558*	29123*	29854*	33608*	Australia			80440	28085*	28143*	48332*	89629*
33657*	33815*	33909*	35756*	Brazil				100354*			
35797*	35856*	38778*	43556*	California		40039*		grading and standardization			96931*
64427*	64433*	77568*	79140*	Cameroon		11560	101998	grading and standardization equipment			75429
79151*	79152*	79172*	79175*	Ceylon			20729*	hardiness			1100
79210*	80474*	87055*	90040*	China		9942	102026	harvesting	1041	1505*	28470*
Kenya		19515		1064*	101984*			harvesting date			28494*
Korea	40117	100840		developing areas		50134*		harvesting equipment	5762*	24106*	64452*
Libya		48727*		France	39974*	59174*		79199			98011
Louisiana	10351	19446	100819	Hungary	70606*	91105*	91168*	38710*	56049*	75481*	
101049				91169*				12864			12914
Malagasy Republic		19547*		India	11476	11498	11545	18761	25103	64506*	71642*
Malaysia	19536	79205		11622	20494	20693	20712	hybrids	804	805	37871
Mali		19478*		20742	20775	29704	29794	78223			
Mariana Islands		79223		29829	39789	40082	48747	France			47880*
mountain areas		28513		50081	50092	59251	68192	India	19559	38771	100832
Pakistan		38679		80364				Italy			48686*
Panama		100784		Italy		37979*	60335*				48730*
Philippines	17077	69434	79190								
90010											
Rumania		90037*	90056*								
Senegal			19484*								

\*Text of this reference is not in English.

			Item				Item						Item
Rice-- Cont				Rice-- Cont				Rice-- Cont					
hybrids--cont				pests--cont				seeds					
Japan	28449*	37867*		California		14106		79186		28137	28138	38692	
Taiwan		48719*		ecology		105502*		China	47429	99189*	100816*		
industry		65694		Fiji		83308		harvesting			10328*		
British Guiana	6959	55233		habits and behavior		105723		Japan			79206*		
France		85953*			106039*			Louisiana			100863		
Indonesia		7014		identification		42983	63926*	Malagasy Republic			19548*		
Japan		34958*		India	5473	14246	33113	Senegal			19484*		
Pakistan		65732		42561	43026	63529		storage	78369	10328*	89629*		
Taiwan		107538		Iran			63534*	Taiwan			57894*		
Thailand		34856		Italy			52834*	treatment	23186	42375	48353		
injuries	18905	19151	58611	Japan	37081	63926*	105848*	70633	23185*	37148*	57894*		
18032*	27037a*	28105*	77616*	Pacific area			17986	99189*					
Japan	99167	18033*	27051a*	Peru			14105*	viability	78369	89629*	100354*		
irrigation	962	11043	16144	Southeast Asia			17986	Sierra Leone			100848		
18849	20904	27956	89425	Philippines	38691	48703	14105*	situation and outlook		25552	44872		
9679*	20930*	40263*	40264*	physiological diseases		10146		44911	97019	75481*			
Asia			39956	10147	48139	28071*	47945*	Iran			75362		
Brazil			40201*	100161*				Japan		65711	85960*		
California	10382	11766		planting		962	19569*	soilless culture			100090		
China	102122*	102125*		California			10382	soils	11297	11326	20433		
India		60653		China	1064*		94293*	20486	20554	28054	48076		
Japan	11789	29973	2573*	Colombia			10327*	58611	60172	60688	100141		
Kenya		19515		France			38696*	58916*	70394*	101815*			
Louisiana	70785	78522	80653	India			48747	Africa			20436		
Philippines			11793	Italy			48728*	Arkansas			60502		
Rumania			2548*	Japan	1491*	19570*	27453a*	California			101998		
USSR	11713*	40320*	102129*	28143*	28470*	28503*	28505*	Ceylon			9942		
Japan	45842	35779*	35786*	28531*	28542*	28556*	28562*	China	89381*	89977*	90005*		
judging			7055	29849*	33826*	35543*	38770*	90968*	91217*				
labor	80653	28540*	33826*	64418*	78650*	79140*	79175*	Ghana			20718		
35543*	35553*	56768*		79206*				Hong Kong			29607*		
losses			100793	Louisiana			38709	Hungary			9965*		
male-sterile		805	47910*	Mali			48677*	India	11476	11498	11545		
marketing	7066	55339	55372	Philippines	11793	69434		20494	28443	29661	29704		
107464	107538*			90010				38801	39733	39803	59147		
mechanization				Nigeria		18892		60216	60411	70388			
China		64380		USSR		28519*		Italy			79117*		
Ivory Coast		64352*		planting date	10382	59251	99432	Japan	1270	60173	60186		
Japan	24016*	33547*	33571*	38722*				60187	60251	60264	2437*		
33609*	84299*	84300*	84305*	planting equipment	5750*	15126*		2573*	20563*	28010*	28174*		
84306*	84355*			33671*				28470*	28609*	29606*	29613*		
Senegal		23991*		China		95826*		29615*	29624*	29626*	33665*		
Surinam		84376*		Hungary		5752*		33667*	39713*	39848*	58901*		
Taiwan		33557*		Japan	24092*	28469*	33648*	64418*	79307*	89028*	101669*		
USSR		43480*		33673*	33674*	33676*	33679*	108603*					
microorganisms	107521	44900*		33680*	33683*	33685*	33686*	Louisiana		20726	28466		
55384*				43583*	64420*	64427*	64431*	Philippines		2050	2124		
milling	25596	28165	55760	64432*	64433*	64437*	64438*	Rumania	29880*	102195*	102210*		
65704				84444*	84451*	84455*	84456*	Taiwan		39656*	101070*		
Guinea		25636*		polices and programs	16122	65741		USSR	11713*	90921*	102129*		
Pakistan		55302*		65742	25656*	34860*		United Arab Republic			102290		
Senegal		25667*		pollen				Vietnam		70566*	101916*		
milling equipment	65754	25678*		reviews		28068		Zanzibar			79103		
moisture	85964	106582*		prices	76286	25139*	44886*	spraying and dusting		8979	9104		
molds	55351	55245*		44894*	45848*	86021*	86022*	46514					
morphology	37765	9452*	9470*	processed	16078	85989	85990	statistics	44953	55372	86059		
37707*	37733*	37734*	37819*	107533*				Brazil			44901*		
38244*	99918*			processing	7018	34882*	65706*	India	55376	55380---	55382		
nematodes	99690	77959*		processing equipment		65753		107477					
nutritional deficiencies		11545				64506*		Japan			85987*		
68953	19146*			production regions			75481*	Malaysia			34913		
nutritive value	27346	76883		Brazil	44917*	44918*	44919*	Panama			7032*		
76886	98391	65720*		44920*	44921*	44922*	44923*	Surinam			25598*		
periodicals				Japan		107504		Venezuela	16168*	86049*	86050*		
bibliographies		38680*		Louisiana		97890*		storage	107539	107540	44956*		
pest control	23375	83355	105173	products	66000	98391	107473	96931*	107528*				
105215				7040*	55343*			diseases	107521	44980*	55245*		
Arkansas	14101	17947	105216	propagation		28526	10327*	55384*					
California			105182	properties	16078	34897	55296	Italy		55246*	65735*		
chemical	63532	101463	52834*	65670	107483	107513	25647*	pest control		14230	32889		
63534*	63594*			44952*	55234*	55235*		83525					
China	94293*	99202*	105187*	proteins		65704	108959	pests		5208	83308		
105200*	105229*			quality	38684	25647*	55235*	Senegal			75367*		
Fiji		32763		65677*	107448*			temperature			84712		
India	23215	23246		Asia		107483		Texas			107445		
Japan	23208*	23209*	77568*	Italy		55234*		taxonomy			88280*		
Korea		23182		Japan	16121*	34937*	37734*	tests	34869	65754	44952*		
Malagasy Republic		4786*		79222*	85969*	85970*	85971*	threshing equipment	46367	67350	33756*		
Surinam		83294		Mali			55229*	trade	87656	98331	98332		
Taiwan		63559		Philippines		96989		Asia			36299		
USSR		17932		research methods				Denmark			36236		
pest resistance	94324	4786*		statistical		16122		European Economic Community					
pests	5538	14154	23590	research programs	7033	59175		Italy		46367	87694		
23612	106034			65715	79123	79200	107473	Thailand			98294		
Africa		68009		28527*									
Arkansas	57830	94333											
British Guiana		14119											

\*Text of this reference is not in English.



	Item				Item				Item		
Rice-- Cont				Rice-- Cont				Rimifon SEE Isoniazid			
types			6952	yields-- cont				Rindera			98918
utilization research			107470	India-- cont				Rinderpest			62396*
conferences and congresses			55242	55381	55382	60216	60653	Africa	3543	31251	31357*
varieties	10342	23186	28165	65741	65770	79180	80364	buffaloes		72180	92510
38291	58393	79118	4786*	102094	108071			diagnosis	31390	41663*	62265*
19496*	28450*	28468*	38697*	Italy			71338	62268*	82261*		
38698*	38700*				48686*	48728*		eradication			62229*
Arkansas	10336	79173	100805	Japan	2437*	19186*	28177*	guinea pigs			41861*
100834				28467*	28474*	28505*	38770*	immunization		22364	41640
Australia			100773	79172*	100857*	100858*		41698	72180	13252*	
Brazil	20724*	38699*	40039*	Korea			40117	rabbits			63003
Bulgaria		38172*	38723*	Louisiana			20726	resistance			13284
California			10382	Nigeria	9745	18892	70527	study and teaching			62265*
China			100774*	Pakistan			100763	swine			104930
India	10375	18761	18777	Philippines			69434	United Arab Republic			31390
19568	38764	59147	59216	Portugal			101906*	vaccines	4426	22364	31390
59222	59251	86047	99420	Taiwan	28486*	69383*	102073*	virus	3702	13111	13284
99556	100844	100861		USSR	10323*	11534*	50085*	22150	31262	31361	41640
Italy	28552*	52234*	59151*	80381*				41698	62302	92416	92527
Japan	26787*	27453a*	28174*	Vietnam			70566*	103773	41861*	51885*	
28502*	37734*	37922*	79148*	SEE ALSO Wildrice				wildlife			71813
79155*	79169*	79367*		Rice bran				Rindite			78734*
Louisiana			69404	analysis and composition			16089	Ring mottle			
Mississippi			101464	75365	86047	55343*		beets			37432
Nigeria			79198	in food processing			106828*	Ring spot			
Pakistan			100763	irradiation			75684*	blueberries			9228
Philippines	69394		96989	vitamins			16089	Dianthus caryophyllus			68300
Senegal			19498*	Rice bran oil	7245	7246	7324	fruit			37419
Spain		38741*	38743*	26058	26076	75703*		Lychnis			18298
Taiwan	28071*	28545*	59209*	Rice delphacid SEE Sogata orizicola				plums			68273
101070*				Rice flakes			96958	Prunus			63660
Thailand			10364	Rice oil			51727	raspberries	77889	77899	37476*
Tropics			69380*		55658*	75684*		tobacco	27327a	37428	37484
virus diseases		18294	23197	Rice starch			69160	37516	77874	77883	77930
37457	47502	73203	37434*	Rice stink bug SEE Oebalus pugnax				99629			
Japan	23248*	77870*	77871*	Rice straw	2677	11437	107527	tomatoes			68301
77943*	88888*	105228*		feed		31383	61661	Ring test	22242	24866	72164
transmission			32790	in pulp and paper manufacture			44447	Ringworm			92064*
	23248*			44873	44961			Austria			21858*
vitamins	46486	46478*		Rice water weevil SEE Lissorhoptrus				cats	13270	103967	22352*
waste	41208	41209	103585	oryzophilus				cattle	52100*		92427*
75025*	75026*			Rice weevil SEE Sitophilus oryzae			40354	control			62379*
weed control			70149*	Richardia scabra			75701*	Czechoslovakia			92560*
Arkansas		70136	101579	Ricin			59001	treatment	103744	13049*	41697*
California			90628	Ricinine			100615	62317*	72166*	72195*	92464*
chemical	11043	59915	79765	Ricinocarpos stylosus	100614		59098	Yugoslavia			72252*
100584	101463			Ricinoleic acid				control			41375*
Arkansas		49472	90697	Ricinus communis SEE Castorbeans				dogs	3818	13256*	22352*
Australia			70062	Rickets				41765*	52100*		
British Guiana			11090	cattle			103893*	guinea pigs			104176*
California	11118		101548	dogs			3867*	horses	92914	105127	13375*
France			101573*	minks			92816	52100*			
Hawaii			59974	poultry			72582	minks			62577*
Hungary	11095*	20300*	90728*	turkeys		52177	52178	reviews			91977*
India			59998	Rickettsia			23542	sheep		4406*	93680*
Italy	20271*	49416*	79836*	Rickettsia-like organisms			14473	swine	22938	52593	72969
Japan	49500	29144*	29172*	Rickettsia rickettsii			32662	83004	83077		
	29192*	77568*		Rickettsia wolhynica			13990*	treatment	91915*	92089*	103373*
Louisiana			59946	Rickettsial diseases				Yugoslavia			51569*
Mississippi			101464	Africa			52791*	Rioxa			105727*
Taiwan			70189*	Blatta orientalis			43320*	Rioxoptilona			105727*
Texas			63532	cattle	13011*	62375*	94105*	Riparian rights		40302	98017
USSR			29251*	conferences and congresses			52809*	Ripersia cellulosa			64092
costs			20257*	crickets			53538*	Ripersia imperatae SEE Misericoccus			
France			101534*	man			52791*	imperatae			
India			79785	reviews			12638	Riptortus linearis			95190
Italy			2012*	ticks			53183	Risan			21946*
Japan			29258*	transmission		30869	32662	Risk	7667	108060	108061
Louisiana			101459	83273	94053	94105	52791*	16563*			
Malagasy Republic			70068*	52809*	52820*			Australia			45807
Mexico			70125*	Algeria			52766*	developing areas			16572
Rumania			11126*	by Pediculus humanus				India	26838	108051	108052
weed control equipment			33647*	humanus			13990*	108057	108065--108067		108070
weight and measurement			65704	reviews		4780	21901	108071	108074	108076	108078
	28177*			USSR		83272	63492*	108104	108426		
yields	962	11500	11535	wildlife			53183	Nebraska			26447
11594	23590	38466	69382	Rickettsiella blattae			43320*	Sweden			45463*
79118	100506	20930*	100147*	Rickettsiella grylli			53538*	Switzerland			45605*
Asia			39956	Rickettsiella melolonthae SEE Rickett-				Ritalin			3961
British Guiana			28522	siella popilliae			83876*	Ritter process			86467*
Bulgaria			38722*	Rickettsiella popilliae	53288		94789*	Ritterocerus chacalapensis			46886
California			20782	Riedlinia	63902*		61733	Rivacilin			62345*
Ceylon			102026	Rift Valley fever		82801		Rivanol SEE 6,9-Diamino-2-ethoxyacri-			
Ghana			20718					dine			
India	10375	11476	11498	Rikafuoda			93330*	Rivea corymbosa	67868		89838
11622	19518	20494	20712	Rileyiana n n			106017	Rivers			40288*
29829	39803	48747	55380	Rilsan SEE Nylon							

\*Text of this reference is not in English.

	Item			Item			Item	
RNA SEE Nucleic acids			Robinia pseudoacacia--Cont			Rogeria		14811
Roads	46034	56664	cytology		37653*	Rogor SEE Dimethoate		
Africa		24407*	ecology		58165*	Rogue SEE Propanil		
construction			Estonia		88401*	Rohdea japonica		59748*
Germany	23974*	23981*	feed	81690*	82775*	Rohdendorficca n g		73633*
43402*	53600*	64311*	growth		71090*	Rollathemus n g		95245
East Germany		43400*	honey plant		83672*	Rollers	84408	64410* 70673* 95810*
Great Britain			Hungary		61032*		106279*	
Japan		33522*	injuries		89683	Romachaeta n g		53408
Kansas		5638	measurement		71090*	Romalea microptera		43331
Netherlands	84239*	84241*	morphology		18605*	Romulea		57608*
Oklahoma		20526	propagation		102640*	Romulea ramiflora gigantea		46904*
reviews		5639*	seedlings		50832*	Rondeletia amoena		89211
Sweden	53606*	95688*	virus diseases	99587	27343a*	Ronisia barbara		95319*
USSR		64578*	Rochelia		98918	Ronnbergia		8748
costs		106173*	Rock gardens	19958	69829	Ronnel		
forest		21401	California	10693	10817	cattle pest control	4712	13923
71407	81309*	21416	10823	10830	10886	23143	63509	63516 63518
Canada		30512	10887			94203	25885*	
construction	21415	61300	Canada	69863	69868	dog pest control	4752	4777
21403*	40774*	81295*	69892			effects on Hypoderma		23143
Austria		12216*	Europe		98820*	fly control	63518	83236 23080*
Canada	21394	81289	Great Britain	90380	90395	formulations		63518
costs		21397	Norway		69916*	in beef		25885*
Czechoslovakia	2915*	21423*	Pacific Northwest		1846	insect resistance		13923
30478*			Rock phosphate SEE Phosphate rock			livestock pest control		4694
Germany		51078*	Rocks	70742*	80189*	swine pest control		83260
Hungary	30483*	30499*	Rocky Mountain juniper SEE Juniperus		101750*	tests		42362*
Latvia		40609*	scopulorum		4738	Roofs	5921	96753 24244* 64627*
mountain areas		51059*	Rocky Mountain spotted fever			construction	64587	74182 95996
Norway	40767*	91551*	Rocky Mountain wood tick SEE Derma-			64666*	64668*	
Rumania		61318	centor andersoni			designs and specifications		84641
Tropics	21412	51066	Rodatox		27092a*	Malaysia		74175
Turkey	40778*	81337*	Rodenticides	64901	87874	metal		43767*
costs	81289	61328*	application	105044	96205*	Sweden		43820*
designs and specifications		81311	California		14251	wood	2954----	2956 2959
61329*			Germany		77506*	2960	2962	2964 2967
equipment	51066	81294*	New York		14241			
Finland		12221*	regulation and inspection		8963	Root crops		
France	61325*	81321*	reviews		77537	analysis and composition		24389*
102860*			tests		99452	culture		19469* 101934*
Idaho		2595	toxicity	42417	92524	feed	32347*	44397* 52568*
legal aspects	73916*	80900*	Rodents		41342*	fertilizers		
maintenance and repair		21389	and disease	23157	30834	Denmark	2439*	50040* 101934*
30500	51045		81784			Germany	39915*	39959* 39973*
mountain areas	40669*	61325*	Indonesia		51577	40087*		
91650*	91655*		Iran	94046*	94048*	Great Britain		11587
Northern States		12209	USSR	32670	32695	Poland		91240*
Norway	30486*	40506*	as pests	23373	105347	Rumania		70638*
40763*	40769*	40772*	Czechoslovakia		12156*	harvesting		
Philippines		81317	Indiana		81190	bibliographies		10304*
policies and programs		61313*	USSR	21344*	37050*	harvesting equipment	15146*	84446*
61314*	61335*		37064*	37101*	37063*	irrigation		91240*
Sweden		61328*	California		12192	labor		16647* 66513*
Switzerland		12230*	control	2855	14249	nutritive value		39959*
Utah		21392	40689	42736	53004	planting equipment		84446*
Germany	6076*	43408*	96205*			soils		101968*
Italy		15406*	biological		57800*	Sweden		24389*
Japan	5644*	33521*	California	14251	77518	varieties	79281	10418* 100754*
legal aspects	73911*	73916*	chemical		64901	weed control		59985* 79771*
maintenance and repair		29992	Denmark		73134*	yields	11587	39915* 39959*
50366	106180		Germany	63466*	83529*	39973*	50040*	91240* 101934*
reviews		5639*	New Mexico		31045	Root knot		
Netherlands		84897*	New York		14241	beans		99695
Norway		81342*	Republic of South Africa		73295	Brassica		99695
policies and programs		44022	USSR	18009*	77524*	cotton		490
Venezuela		15429*	Yugoslavia		87827*	okra		27372a
West Virginia		2589	disease resistance		94046*	tobacco		37502
Roadside planting	2593	2609	diseases	14007	14021	tomatoes		37520
2610	2614	2616	food plants		70114	Root rot		
equipment		15090	pests		23157	alfalfa		47246
Georgia	2608	29991	32706	83785	95615	avocados	9003	37199 77656
Italy		49146*	84173*			47424*		
Massachusetts		29156	Africa		5633	beans	422	1929 58655
Portugal		59757*	Great Britain		73898	99439		
Tennessee		20964	Iran		95640*	Coniferae		57898
Texas		90428	Italy		106149*	corn	381	18156 27248a
SEE ALSO Trees, street and roadside			Poland		64290*	38785	57967	
Roadside stands SEE Markets and mar-			USSR	33509	33511	cotton		27200a 70662
keting, roadside			53203*	73160*	73538*	Dicotyledons		99535
Roaring		82442*	83801*			fruit		37301
Robertiessa n g		95194	USSR		102836*	grapes		37301
Robillarda	8844	8866	Rodepirea n g		95261*	nuts		37301
Robinia	2076	12271*	Rodgersia aesculifolia		99681*	Pinus		37303
Robinia pseudoacacia		28394*	Rodolia cardinalis	104976*	105162*	Pinus ponderosa		9170
anatomy and physiology	1195	28230	Roentgen rays SEE X-rays			Pseudotsuga menziesii	9035	99526
28232--28234	81187	89683	Roeselia lugens		14859	red clover		27110a
control		61068*	Roewereca n g		73525	soybeans		9171

\*Text of this reference is not in English.



				Item					Item					Item
Root rot-- Cont					Rosa-- Cont					Rot-- Cont				
tea				27073a	pest control				37077 63374 73284	grapes				44796
tomatoes				57899	73286				42723* 52988*	sweetpotatoes				107354*
trees				99293	pests				5421 64113 83488	Rotation of crops				522
wheat				1172	77652*				77686*	37515 38785 47340				10553
Roots				26749a	planting				69846 28987* 59754*	68134 77690 88934				90228
anatomy and physiology				713	pollen					97999 100746 28416*				28425*
941 9646 9796				9979	propagation				28719* 69114*	40014* 56366*				90805*
10079 19033 26785				27838	by cuttings				79582 39171*	Albania				29844*
27860 27910 28205				28206	by grafting and budding				1864	Arkansas				16932
32130 38472 47999				48456	59733 69817 19983*					Australia				9007
58217 58285 58352				58819	rootstocks				90407 10750* 28964*	Austria				69356
58832 58895 61099				68826	28986* 39166*				49243* 69826*	Brazil				50138*
68864 68962 68981				69129	soiless culture				10880* 69932*	Bulgaria				38712*
78377 78800 89362				89533	soils				68695 70246 49922*	80473* 101979*				59444*
89656 89663 9771*				10064*	spraying and dusting				73286 77639*	Canada				69345
10107* 38155* 38350*				48140*	statistics				107992	China				48653
48319* 48328* 58622*				58706*	varieties				1904 1905 10876	59265 59302 59327				79091
58795* 68491* 69036*				69070*	10897 29017 39310				49267	79269 38883* 89977*				89978*
77183* 89407* 89667*				89733*	69842 69869 69897				69921	89990* 89991* 90022*				90035*
100305*					69924 69935 69939				79628	99408* 101047* 101059*				101956*
biochemistry				19264 100703	101354 28987* 39166*				89079*	Central African Republic				69461*
29566*					Canada 69893 69903				90471	Czechoslovakia				66865*
cytology				18565	Estonia				69895*	Denmark				80444*
excretions				18229 57967 68416	Germany				1902*	desert areas				89974*
69014 71297 101896				58950*	East Germany				49232*	Florida				1498
68794* 89382* 102732*					Hungary				90429*	France				28800*
morphology				653* 99747* 99938*	India				79548	Georgia				59101
Rootstocks SEE UNDER Fruit; and names					Netherlands				38433* 39205*	Germany				27087a*
and classes of plants					Norway				39243* 59729*	40033* 49322* 73236*				38653*
Rope				44432	90425*				69867*	90156* 91158*				100757*
Rorippa				113	USSR				79550	East Germany				10291*
Rorippa microphylla				113	virus diseases				68298	28634* 33500* 38659*				38852*
Rorippa nasturtium-aquaticum				113	weed control				39490*	50021* 69341* 69362*				69368*
Rorippa sylvestris				132* 27296a*	Rosa bracteata				90651	69530* 90577*				
Rosa				69891	Rosa canina				39560 5481*	Great Britain				509
anatomy and physiology				19015	Rosa damascena				58884*	19472 20265 39967				56509
19193 39162 68918				68944	Rosa dumalis				67858*	Great Plains				39538
69129 38433* 68815*				68867*	Rosa fortuneana				59733	history				89975*
69114* 89736*					Rosa laxa				39560	Hungary				59178
bacterial diseases				18242	Rosa multiflora				49232*	39971* 79129*				10297*
biochemistry				19393 38505	Rosa polyantha SEE Rosa multiflora					91032*				88727*
breeding				69917 1889* 20033*	Rosa rugosa				99967*	India				40061
70227*					Rosa setigera				38397	59823 60476 79168				79644
color				19015	Rosaceae					79725 79774 80419				100895
conferences and congresses				1889*	anatomy and physiology				89188*	Israel				39995
costs and returns				26940*	Asia				77421*	Italy				79089*
culture				252 1848	France				10600*	Ivory Coast				69456*
49824 57815 69811				69813	Lesser Antilles				57575	Japan				45842
69831 69846 69853				79604	morphology				37784 68578	28610* 28694*				10107*
79611 20041* 59750*					pests				32873	79307*				28703*
Arizona				69925	rootstocks				38127	Louisiana				101049
Bulgaria				59684*	Rose aphid SEE Macrosiphum rosae					Maine				70552
California				49165 69929	Rose bengal test				13673	Malawi				9269
Canada				10867 90471	Rose clover				9391 90143	Mississippi				70098
Estonia				10880*	Rose gum SEE Eucalyptus grandis					Mongolia				69344
Florida				39241 39248	Rose hips				65917*	mountain areas				48664*
Great Britain				49238	Rose oil				16308* 107731*	Nebraska				79797
Guernsey				59726*	Roselle				20353 69499	Netherlands				27361a*
India				10803	Rosellinia limoniispora				27513a 38123	North Carolina				28700
Japan				90460*	Rosellinia necatrix				37275 68232	Northern Rhodesia				9296
Norway				69867*	Rosemary SEE Rosmarinus					Norway				10305*
Ohio				69911	Rosemary oil				86319*	Ohio				27248a
Rumania				1825*	Roseocactus SEE Ariocarpus					Poland				1467*
Texas				101292	Rosette					48671* 49778* 49979*				50665*
USSR bloc				1889*	peanuts				443 52828	50067* 50105*				58131*
cytology				68658	tobacco				99661*	60298* 90866*				59106*
disease resistance				37184	Rosewood oil				55656	Republic of South Africa				1975
diseases				37077 57843	Rosiflorae				98904*	reviews				17948
dwarf				29017 79611	Rosin				71516 102987*	Rumania				1458*
fat and oil content				28719*	industry				103004	10356* 29847*				2328*
fertilizers				2440	marketing				81541 103002	Sweden				69337*
forcing				69932*	situation and outlook				12411 21660	100734* 100735*				79177*
fungus diseases				37184 18214*	trade				41057 51290 71517	Southern Rhodesia				9269
37345* 37356* 47214*					Rosin acids SEE Resin acids					Switzerland				38667*
control				27226a* 37340* 77639*	Rosinella n g				43277*	38671* 57803*				37383*
88704*					Rosiora n g				5524*	Taiwan				101070*
France				77652* 77686*	Rosiora (Hunyada) n sgen				5524*	Texas				79195
India				47216 47355	Rosmarinus				2077* 7208*	Tunisia				50015*
Netherlands				68632 68658	Rosmarinus officinalis				10722 39247	USSR				1452
genetics				9819	79875*					10424* 10546*				69343
germination				57815	Rot				28051* 28420* 28422*				11502*	
hardiness				57815	apples				28437* 28738* 28751*				11668*	
hybrids				69917	Chinese cabbage				29690* 29691* 29876*				29467*	
injuries				313	cotton				39946* 39947* 48981*				39670*	
marketing				16518*	fruit				49799* 49810* 59246*				49760*	
morphology				89079*					60316* 60343* 60540*				59301*	
nutritional deficiencies				37967*					69453* 70609* 72782*				69363*	
													79106*	

Item			Item			Item		
Rotation of crops--Cont			Rubber--Cont			Rubidium--Cont		
USSR--cont			conferences and congresses	16377		in barley	38308	48231*
79121* 79233* 79243* 79408*			26212 55762			in corn	38055	78703
80688* 89974* 90821* 94331*			consumption	16373*	45260	in Plantago		38308
100739* 100741* 100747* 102142*			deterioration	7395	16374*	in plants	1258	48395*
102192* 102233*			foam		45274*	in soils	11244	38055
Western States		9296	fuel		86400		39699	78703
Zanzibar		79103	history		45272*	in sunflowers		1209
SEE ALSO Field crops, rotation with			reviews		45258	in tobacco		1199
pasture			India		39604	Rubus 8718*	8719*	8725*
Rothane SEE TDE			industry	7403 74637	75807	directories	16516	105309*
Rothschildia jorulla semiimmacula	84138		84767 86406	107863*		Rubus ellipticus		97513
Rotylenchulus reniformis	503 9265		irradiation		86409	Rubus ferrugineus		73729
58114 77944 77975			Malaysia		35321	Rubus hispidus		57575
bibliographies		77944	manufacture		26213*	Rubus idaeus SEE Raspberries		17793
Rotylenchus uniformis		88919	oxidation		66125*	Rubus setosus		17793
Roughage			reviews		7396	Rubus ulmifolius		63208*
digestibility	81694	51752*	policies and programs		86397	Rudbeckia bicolor		37928*
in animal nutrition	41208	71637	55756*			Rudolphia		23621
51455*			Ceylon	7394	45271	Ruebsaamenia		73669
in cattle nutrition	3439	3479	Colombia		86395*	Ruelene SEE Dowco 132		
12854 12864 12911 12913			India		45265	Ruellia antipoda		88360
12914 22086 31165 31190			Malaysia		45270	Ruellia lorentziana		18817*
41496 41512 41520 41529			prices		87222	Rufianic acid	24609	54429*
51674 51730 51736 62135			processing	66123 75804	75806	Rum		12703
62142 72071 92165 92345			86403 41053*	45267*	55755*	Rumen	3068	3272
103582 103584 1630* 22062*			97411*				21777	21780
22075* 31221* 51751* 51752*			Cambodia		29402*		81785	81845
51764* 51798* 51804* 62107*			India	107856	107862		21864*	30990*
62125* 76388*			reviews		55761		41387*	61762*
in horse nutrition		13364*	products	16378	45276*		81744*	81760*
in poultry nutrition		62772*	properties	55760	66128	artificial	3060	3061
in ruminant nutrition			66135 86385	86389	86393		51489	62065
reviews		3089*	86394 86404	86408	107861	buffaloes	22238	31250
in sheep nutrition	13649	22785	7404* 16373*	66132*	86399*	camels		12702
32207 82772	82835		107869*			cattle	3503	3507
in swine nutrition		72949*	reviews		45269		12976	13174
nutritive value		91849*	reclaimed		16371		31250	62072
processing	61636*	64494*	research programs		55757*		62142	62236
reviews		3089*	107867*		107866*		92521	103830
proteins		32207	reviews	45262	45266		12929*	12945*
Round heart disease		62836	situation and outlook	26204	66120		31399*	51874*
Roundworms	62823 73148	13856*	66130 86410	86412	97412		92392*	92550*
71816* 72989* 92475*			107857 107859	45259*	55759*	diseases		3629*
SEE ALSO Nematodes; and names of			66118* 86401*			hydrogen-ion concentration		72245
roundworms			Australia		26205		72307	
Rous sarcoma		22603	Brazil		26203*	microorganisms	3521	3533
poultry	22632 42507	62793	Germany		66121*		4395	13213
82597 93206			statistics	35320	75802		31264	31427
virus	21808 21917	22682	structure	86382	107860		51835	51856
42062 42507	82610	82613	synthetic	66120	97412		62240	62323
82633			74466* 86401*				71747	71834
Royal jelly			conferences and congresses	16377			82291	103783
analysis and composition		63768	reviews		7396		31263*	31470*
73357 105472 5000*		83589*	testing equipment	26215	107858		92391*	92426*
83604* 94527*			tests	26206 26209	26211	conferences and congresses		81737
effects on Ginkgo biloba		100007*	66119 75804	107868	16374*	diseases		71808*
effects on mice		4940*	45261* 45275*			goats	42174	63129
effects on Musca domestica vicina		105726*	reviews		45277		22806*	104722*
			trade		8236	hydrogen-ion concentration		93699*
effects on rabbits		14306	Japan		86396		93700*	
feed for bees		73351	vulcanization	16369	16372	microorganisms	32252*	93622*
industry		105440	26207 86386	86408	107870		3107	3115
nutritive value		78810*	107872				3169	3261
products	4983	83654*	reviews	7396	45263		12617	12667
properties	65781 73430*	83604*	vulcanized	66128	75804		21906	22238
83654* 94528*			chemistry		86392		30997	41285
proteins		5000*	properties		16375		61856	81694
therapeutic use	14294	32617*	86387 86407	75808*	26214		81810	81811
Roystonea oleracea		505*	structure		86387		91962	92056
RP 5337 SEE Spiramycin			SEE ALSO Rubber plants and names				103190	103200
RP 9985 SEE Methotrexate			of rubber plants				103303	103325
RP 10465 SEE Vamidothion			Rubber bands		92590*		51526*	81764*
RP 11783		63514*	Rubber plants	39603	78917		81874*	81878*
Rubarth's disease SEE Canine infectious			Rubbery wood				92021*	92021*
hepatitis			apples		9250		92072*	103113*
Rubber			Rubetella inopinata		77478*	disposal		103215*
aging	75800 75801	45275*	Rubia		38797*	feed	103084	103671
analysis and composition		86380	Rubia cordifolia		67831	reviews		81806
66133*			Rubiaceae		38608*			103180
associations	7402	66127	Himalayas		654	reindeer		3187*
bibliographies		86381	Malagasy Republic		77316*	reviews	4415	4429
chemistry	26206 86379	86383	Northern Rhodesia		77340*	sheep	13735	32264
86385 86386 86388 86389			Pacific area		77334		63090	82767
86409 107860 107861 107871			West Africa		36766*		82839	93664
7404* 45267* 66125*			Rubidium				4353*	32213*
reviews		45263	effects on beans		68847		82058*	82814*
			effects on plants	9979	28059*	hydrogen-ion concentration		42146

\*Text of this reference is not in English.



Item				Item				Item			
Rumen-- Cont				Runoff-- Cont				Rural life-- Cont			
sheep-- cont				measurement-- cont				Switzerland			
microorganisms	4359	13694		India	29966			United Arab Republic		17016*	
32220	42146	52482	52408	New Zealand	60580			Rural-urban fringe	7698	8027	
62323	63135	72847	72848	South Dakota	50307			8031	8059	8121	26519
82835	93623	93626	93657	Southern Rhodesia	50300			26520	27000	38034	40316
93672	104697	4348*	22827*	USSR	91218*			40316	40350	45993	45997
63051*	82858*	93622*		measuring equipment	60662			46003	46024	46036	56289
yaks			3689*	60717				97648	98049	98065	
Rumen fistula	13694	71615	51503*	Minnesota	80539	80599		California	45990	46002	67039
cattle	12976	82116	82230	Mississippi		70824		69778			
103719				Netherlands	40155*	80509*		Canada		27018	108614
goats			82806*	New Zealand		60302		Connecticut			56137
sheep	32233*	82857*	104717*	North Carolina		2579		Delaware			8038
Rumen impaction			13114	Ottawa Basin		20828		France		56689*	66988*
Rumex acetosa	9457	10190	17674	research programs		102246		Germany			46020*
Rumex confertus			98979*	reviews		80708*		India			46022
Rumex crispus			39445	Rumania	20984*	20997*		Iowa			67046
Rumex fuginus			67839*	Sweden		50259*		Italy			108585*
Rumex hastatulus		9509	47810	Switzerland		50968		Japan			35990*
Rumex maritimus	SEE Rumex			USSR	2498*	11758*	29969*	Maryland		35995	87320
persicorioides				49650*				Michigan			35991
Rumex obtusifolius	39445		18509*	Utah		91275		Netherlands	46016*	46028*	87087*
Rumex paluster			98920*	Vermont		20860		87327*			
Rumex persicarioides			67839*	West Virginia		49938		New Zealand			108619
Ruminants				Rupia spiralis		18133*		Northeastern States			26998
anatomy and physiology		103205		Rural development	26407	26594		Ohio		36066	56741
81776*				26865	35720	45630		Poland		36016*	56702*
digestion	21773	31018	61720	56797	66403	46006		South Carolina			87321
71615	71661	81810	81811	66687	67087	66664		Switzerland			87336*
103184	103230	103302	3083*	86817	66690*	67155	86815	USSR	26583*	45998*	76338*
3185*	21864*	30931*	30932*	Africa			35708	87315*			
41299*	41312*	41321*	51521*	Alabama	45713	76204		SEE ALSO Urbanization			
51525*	51526*	81868*	91947*	Argentina		66631		Rural-urban migration	SEE Population,		
92025*	92072*			Asia				migration, rural-urban			
reviews		81806		reviews		76173		Rural-urban relations	8054	17062	
feed relationships	103091	30766*		Brazil		66723		17129	36035	76574	108802*
feeding and nutrition	3045	3109		Canada	26647	26657		Germany	8185*	17128*	87610*
3272	12479	21777	21780	China		46338*		108804*			
21792	41209	51392	61623	Colombia		76148		Massachusetts			102276
61632	61646	61660	61669	developing areas		76864		New Jersey			17131
61672	61685	61701	61833	Europe		8085*		Switzerland			87336*
71648	72062	81654	81664	Germany		46102*		Texas			46079
91816	103125	3201*	23165*	India	17047	17145	97690	Rusadiria			23576*
30766*	51459*	91829*	91837*	Israel	97743	98190	45731*	Ruschia		26839a	46825
deficiencies			71612*	Italy		56353		Rush SEE Juncus			
Finland		61655		Japan	35678*	36042*		Russet crack			
Great Britain		51390		Jordan		87102*		sweetpotatoes		37427	47488
pasture and range	61629	103091	91871*	Korea		97749		Russet ring			
reviews		103144		Mexico		35613		apples			77922
Republic of South Africa		12625*		Mississippi		86886		Russet spotting			
reviews		61674		mountain areas		45675		lettuce			38231
genetics		103205		Netherlands		97807*		Russetting			
metabolism	3069	3272	12479	North Carolina		67113*		apples	18015	37084	48283
12694	22238	30997	51592	Oklahoma		35670		85793*			
61623	61701	71798	81845	Pakistan	76631	76712		Russian knapweed	SEE Centaurea repens		
91913	91962	91963	103185	policies and programs	35589	35722	86793	Russian thistle	SEE Salsola		
103351	3168*	3201*	3310*	Senegal		7793*	7793*	Russian wildrye	SEE Elymus junceus		
12725*	12726*	12754*	41387*	Southern States		76117		Russula		26971a	67982
51525*	51526*	61809*	71753*	66575	66679	66680		8869*			
81760*				67197	86906			Russula alpina			98898*
reviews		81806	41668*	study and teaching		76631		Russula nigricans			26949a*
parasites	41320	41369*	81786*	United Arab Republic		97749		Rust			
poisoning	61712	71751	23165*	West Indies		76175*		Abies			57987
SEE ALSO names of ruminants				SEE ALSO Area Redevelopment				Antirrhinum			99353
Rumple				Program; Rural Areas Development				Antirrhinum majus			52975
lemons		57802		Program				apples			68099
Rungia		14756*		Rural life	8053	46058	46080	barley			10386
Rungianea n g		5560*		87730	98103	108336		beans	18240	38232	88844
Runoff	2606	11806	20957	Canada			108669	99503	99537		99443
29642	39710	40225	40348	Carpathian Mountains			46073*	Castanea			99541
50376	60612	60614	80723	China	46072		56739	Castilleja			47411
91303	102113	102168	102224	France	108049		66646*	castorbeans			47411
2599*				Germany			46071*	coffee	27126a	47341	99507
Africa			11818	Great Plains			27056	Crataegus			68099
Arizona			20910	in art			108646*	field crops			77798
Australia	11823	20987	60716	in literature		17022*		figs			27143a
California			60656	Iowa			67148	flax	37219	57912	100043
Colorado			70748	Israel		76570		grain	394	18178	18212
Finland			50806*	Japan	35678*	36039*	67079*	79164	88736	88743	27141a*
Germany		60603*	60694*	108649*				Juniperus			68099
Great Plains			40321	New York		27054		nectarines			9026
Greece			102126	Pakistan		27061		oats	9628	9629	18238
Hungary			60712*	Poland		8061*		47294			
Japan	20929*	29918*	40248*	Republic of South Africa		66555		peaches			9026
Maine			29993	situation and outlook		87357		Picea			57987
measurement		11809	70812					Pinus	99357	99443	99524
Hungary			50310*					99541	99542		

\*Text of this reference is not in English.

	Item					Item					Item			
Rust-- Cont					Rye-- Cont					Saccharides	6028	21694	34308	
Pinus monticola			102654		hybrids		822	9435	9636	51914	3350*	34008*		
Poa			99520		38356		37879*	47857*	68526*	Saccharimeter			107912*	
Quercus	99443		99524		90060*		99912*			Saccharomyces SEE Yeasts				
Senecio vulgaris			27251a		milling			44947*	85973*	Saccharose SEE Sucrose				
sorghum			99416		milling and baking quality				44955*	Saccharum			48991	
sugarcane			18104		44971*					biochemistry		28295	48643	
sunflowers			844		morphology	18494*	37697*		58322*	cytology		609	47787	
wheat	373	10386	18095		99912*					hybrids			48963	
18692	37193	37208	37329		pest control			23206*	42572*	pests			52897	
38232	47264	47278	47320		pests				4826	Saccharum officinarum SEE Sugarcane				
47368	47401	47404	48698		planting	10948	10313*		90014*	Saccharum robustum			37795*	
77696	88809	88810	88722		planting date		10343		10348*	Saccharum spontaneum	47460		47998	
90081					100780*					48049	48946			
Rust fungi SEE Uredinales					pollen				19320	Sacchiphantes SEE Chermes				
Rusty grain beetle SEE Cryptolestes					pollination				79214*	Saccoglottis			69723*	
ferrugineus					products				25688*	Saccogynidium n g			36955	
Rusty tussock moth SEE Orgyia antiqua					propagation				47857*	Saccolabium			88314*	
Ruta montana			79071*		proteins		78270		34931*	Sachtlebenia n g			95356	
Ruta perforata oil			66016*		seeds				48519*	Sachtlebenia sexmaculata			95356	
Rutabagas					Alabama				10343	Saddles	24064	24073	53685	
analysis and composition			25357		North Carolina				86434	53687	74006	84402	106252	
54991					storage				1189*	Saegerosia n g			23581*	
culture	59834	59811*	101387*		treatment		57855		42572*	Safety SEE Accident prevention; Acci-				
101397*	101440*				vernalization		28166		68835	dents; and SUBHEAD hazards and safe-				
fertilizers			11625		78514	19065*	58874*		78782*	guards UNDER specific subjects				
fungus diseases			99496		viability				37864	Safflower			69618*	
hybrids			101446*		soils	50155*	60231*		80463*	anatomy and physiology			8995	
pest control			42622		90024*	90191*			83526	27899	28267	48222	89519	
planting			29134*		storage				38400*	bacterial diseases			9184	
varieties		20198	69963		taxonomy				119*	biochemistry			100646	
101387*	101397*				threshing equipment				74117*	costs and returns			45119	
yields		18932	69963		toxicity		72531*		72541*	culture	19681	45119	59414	
Rutaceae	19389	27577a	27619a		types				1492*	69614	79374	28730*		
36919	98923*				varieties		68793		37697*	fat and oil content			38400*	
Rutelinae			63964*		Austria				48724*	fertilizers		2427	101924*	
Ruthenium			9902*		Hungary				59140*	forage plant			19601	
Rutin	10170		1092*		Italy				59140*	fungus diseases		8995	9069	
Rutosides SEE Rutin					Japan				28501*	47296*				
Rye					Nebraska		100783		34885*	industry			45112	
analysis and composition			96971		Poland				96971	nematode resistance			516	
16160*	34885*				Sweden				96971	pest control			42575	
anatomy and physiology			931		USSR		1492*		59220*	planting date		10519	38882*	
1258	38146	38356	48144		USSR bloc				59254*	pollination			89588*	
48158	58863	68835	69055		virus diseases				73203	seeds	26150	45098	48222	
80281	1054*	19065*	48341*		yields				80281	situation and outlook			45119	
58874*	78393*	78797*	89502*		Austria				48724*	varieties	10519	45112	69612	
biochemistry		10179	79058		Denmark		100780*		100780*	69614	79374			
breeding		59169	78262		Germany		90014*		100783	weed control			90732	
28478*					Nebraska		100783		80321*	yields		10519	38400*	
Japan			19560		USSR	2395*	79214*		59254*	Safflower meal	82915*	103603*	103604*	
USSR	48755	10373*	38744*		USSR bloc				92942*	Safflower oil	16292	28267	41536	
culture					Rye bran				25607*	45098				
Canada			28557		Rye flour	34953	25606*		13467*	Saffron SEE Crocus sativus				
Florida			28465		44947*	55287*	85915*		92287*	Safranine		8603	51560	
Germany			1488*		Rye meal				33329	Safroxane SEE 4-(3,4-Methylenedioxy-6-				
Hungary			80463*		Rye straw				33330	propylphenyl)-5-methyl-1,3-dioxane				
Japan			28501*		Ryeghium foraminatum					Sagebrush SEE Artemisia				
Spain			1525*		Ryeghium leucomelas					Sagina caespitosa			123*	
USSR	80476*	90024*	90026*		Ryegrass SEE Lolium					Sagittacris n g			53527	
cytology	9435	9460	9601		Rykella n g				73507*	Sagittaria isoetiformis			98892	
18728	119*	47757*	58322*							Sago			107433	
68526*	89142*									Saguaro SEE Cereus giganteus				
ecology		119*	1054*							Sagus SEE Metroxylon				
enzymes			44945*							Sahlbergella			105265*	
fertilizers										Sahlbergella singularis	63654		105271	
Hungary			91122*							105301*	104972**			
Nebraska			11624							Saicinae			53388*	
New York			101933							Sainfoin	19006*	28067*	48845*	
Poland			50155*							58167*				
USSR	2395*		80321*		S421			94130		St Augustinegrass SEE Stenotaphrum se-				
forage plant	1638	82090	92321		S 1752 SEE Fenthion					cundatum				
69524*	90191*				S-6999			87837		Saintpaulia		79561	79599	
fungus diseases		386	38210		Sabai grass SEE Ischaemum angustifoli-					anatomy and physiology			37936	
68228	88828				um					38192	78446			
Canada			77697		Sabal			17754		breeding	78260	79553	79616	
Czechoslovakia			48519*		Sabal palmetto			99683		culture	1893	79592	79634	
Lithuania			47220*		Sabaudiella n g			88412		nematodes		77946	79950	
Washington			68140		Sabethes			43131*		nutritional deficiencies			936*	
genetics	759	821	822		Sabethes belisarioi			83226		propagation			79570	
9601	18728	18757	37864		Sabiaceae			46924		seeds			78446	
59169	78262	78270	78303		Sabicea			17683*		varieties	38192	79553	39325*	
78304	119*	1054*	47757*		Sabin-Feldman test			3791*		Saintpaulia ionantha		69878*	84040*	
68656*	78311*				Sacbrood		105415	105419		Saissetia			33253	
germination		58863	68835		Saccharase SEE Invertase					Saissetia oleae	42659	83433*	105251*	
1189*					Saccharicoccus sacchari SEE Trionymus					105317*	105318*			
hardiness			68793		sacchari									

\*Text of this reference is not in English.



Item		Item		Item	
Sakhalin fir SEE <i>Abies sachalinensis</i>		Salivary glands--Cont		Salmonella--Cont	
Sal SEE <i>Shorea robusta</i>		<i>Drosophila melanogaster</i>	14677	livestock products	85530
Salacia	57573	83925 23665*		meat	7132* 7215* 31313
Salaciola	73723	<i>Drosophila nigromelanica</i>	64051	35005* 66063* 66072*	75567*
Salad plants	29288 39353 101612	<i>Drosophila virilis</i>	105754	92049*	
11325* 49300* 75192*		<i>Empoasca fabae</i>	105812	poultry meat	55733 75781
<i>Saldula palustris</i>	5408	<i>Heteroptera</i>	73719	65834*	
<i>Salebria semirubella</i>	14147*	Homoptera	73719	poultry products	35272
Salicaceae		insects	33225	rabbits	32155*
Alaska	88308	mice	4010	sausages	75541*
biochemistry	1396 58970	mosquitoes	33225 52784	swine	104844 63279* 104858*
cytology	68580	<i>Myzus ascalonicus</i>	53404*	<i>Salmonella bareilly</i>	
morphology	68490	<i>Odontopus nigricornis</i>	5419	<i>Salmonella choleraesuis</i>	32453 72925
pests	42786*	<i>Phryne cincta</i>	43124*	93877 104901 3934*	104928*
taxonomy	68580	poultry	104347*	<i>Salmonella dublin</i>	51882
Salicales	36817*	<i>Prodenia litura</i>	106044	<i>Salmonella gallinarum</i>	4237 22616
<i>Salicornia</i>	88261 99881	Simuliidae	14591	31942 93214 104383	42069*
<i>Salicylaldoxime</i>	28228*	Smittia	33195 73640	93325* 93552*	
<i>Salicylates</i>	23526*	<i>Smittia parthenogenetica</i>	83996	<i>Salmonella give</i>	104319*
<i>Salicylic acid</i>	69033	Salix		<i>Salmonella heidelberg</i>	65124
<i>Salicylic acid methyl ester</i>	10197*	anatomy and physiology	38329	<i>Salmonella oranienburg</i>	104705
<i>Saligenin compounds</i>	93958	18924* 19203*		<i>Salmonella paratyphi</i>	32154*
<i>Saligenin cyclic methyl phosphate</i>		bark	97149*	<i>Salmonella paratyphi B</i>	42302*
	23045	breeding	50890*	<i>Salmonella paratyphi C</i>	34018
<i>Saligenin cyclic thionophosphate</i>	23045	control	11058* 101509*	<i>Salmonella pullorum</i>	104383 104429
Saline soils	20839 70751	culture	90779*	42069* 93325*	93552* 104369*
Antilles	57692	fertilizers	50792* 50802*	<i>Salmonella thompson</i>	66112
Argentina	18873*	insects	73715	<i>Salmonella typhimurium</i>	22569 22634
Australia	11718 58142 60664	irrigation	102575*	51906 62912 66112	75773
bibliographies	60119	nutritional deficiencies	50802*	93184 103272 104186	62666*
Bulgaria	101821*	pest control	53047* 105387*	64835* 65132* 104351*	106656*
Canada	28625 90859 102147	pests	53380 53052*	<i>Salmonella typhusis</i>	32505 12681*
China	20950 60529 90271*	planting	10892	63304*	
90981* 91262*		soils	50792*	<i>Salmonella typhosa</i>	86167
Colorado	2444	Sweden	70226*	<i>Salmonella westerstede</i>	93232*
desert areas	80656	USSR	5041*	<i>Salmonellosis</i>	30897 21934* 81852*
India	28443	weed control	29356	103312* 103368*	
Iraq	29600 29899	wood	103035*	Australia	12718
Italy	79117*	yields	91501*	cattle	3519 51882 51906
Japan	58901*	<i>Salix acutifolia</i>	19050*	92576 31440*	
North Dakota	80066	<i>Salix alba</i>	21209* 81482*	conferences and congresses	31013
Pakistan	19480 19527 29941	<i>Salix alba calva</i>	102536	dogs	82398 13276*
40144		<i>Salix americana</i>	29391* 49435*	foxes	3934*
Red Sea area	29542	49436* 53052*		fur-bearing animals	13320*
Rio Grande Basin	40247 101706	<i>Salix amygdalina</i>	10267*	guinea pigs	82500
Rumania	2556* 70239* 101745*	<i>Salix arctica</i>	38482	immunization	51547*
102195* 102210*		<i>Salix babylonica</i>	88303 2770*	man	27287 104186 6118*
USSR	18453* 60641* 70337*	<i>Salix fragilis</i>	1433*	106656*	
70749* 80479*	89431* 102129*	<i>Salix grandifolia</i>	37553	mice	72524 62669*
Wyoming	1590	<i>Salix herbacea</i>	58159	partridges	22615
Yugoslavia	20544* 29454*	<i>Salix lasiolepis</i>	73747	pheasants	93327*
Saline solutions SEE Sodium chloride so-		<i>Salix lasiolepis</i>	105507	pigeons	72614*
lutions		<i>Salix niger</i>	95057*	poultry	22679
Saliva		<i>Salix purpurea</i>	617*	31975 31984 52294	62853
aphids	95242*	<i>Salix reticulata</i>	37553	52245* 62902* 93232*	93326*
<i>Apis mellifera</i>	105462	<i>Salix silesiaca</i>		93383* 104319* 104351*	104384*
cats	52046	<i>Salix triandra</i> SEE <i>Salix amygdalina</i>		104444* 104456*	
cattle	62156 103770	<i>Salix viminalis</i>	9972	SEE ALSO Fowl typhoid; Pullorum	
Heteroptera	73719	anatomy and physiology		disease	
Homoptera	73719	78783		rabbits	13614*
horses	92879*	biochemistry	89941*	resistance	12730*
Phylloxera	52933*	breeding	50922*	sheep	4374 13681 104646
Phylloxera vitifoliae	95241*	culture	50729*	104705 4396* 32278*	32291*
sheep	13672 13741 13742	pest control	94473*	93690* 104669*	
52483 93625 93697		pests	94476* 95057* 105683*	Sweden	21862
swine	82962*	planting	50921*	swine	82973 93877 104901
Salivary calculi	62608*	weed control	49436*	42323* 63279* 63329*	73004*
Salivary glands		wood	12286*	104849*	
<i>Acricotopus lucidus</i>	5231* 5232*	<i>Salmaciinae</i>	95117	control	13847*
Anopheles	23719 95119	<i>Salmalia malabarica</i>	28086 50807	Germany	
Anopheles freeborni	5350	Salmon poisoning	104014	East Germany	32518*
Anopheles punctipennis	73687	<i>Salmonella</i>	22969 30864 52245*	Great Britain	32453
<i>Apis mellifera</i>	94569	71696* 71875*	81852*	immunization	104888 32504*
Bradysia	5305	cattle	31313*	63304* 104928*	
Bradysia mycorum	5276 33161	dairy products	44328	India	22969
cattle	82239* 92529*	eggs	66085---66087 66112	transmission	42302*
Chironomidae	33183	84816		transmission	103338*
Chironomus	53335*	feed	3519 21771 21862	turkeys	93184 104444*
Chironomus tentans	105707*	107081 12730*	25080* 103338*	vaccines	104888 13320* 32504*
Chironomus thummi	23678 33167	flies	23129	51547* 61866* 63304*	93690*
5279*		food	34016	104928*	
<i>Ctenocephalides felis</i>	32657 32736	34117 43920 43949 84816		<i>Salpichroa origanifolia</i>	99407*
<i>Dacus oleae</i>	43081	6118* 30892*	54209---54211	Salpinga	36938
Diptera	23659 73641	game meat	65834*	Salsify	14988*
dogs	62509 72377 82379	goats	4390*	Salsola	27497a 29313 46870*
82404 103971*		ice cream	65132*	47927* 57542*	57543*
<i>Drosophila hydei</i>	5235	livestock	12718 21862 21809*	<i>Salsola arbusculiformis</i>	57543*
		21877*		<i>Salsola laricifolia</i>	57543*

\*Text of this reference is not in English.

Item		Item		Item
Salsola rigida	89527*	Salts-- Cont		Sandoricum indicum SEE Sandoricum
Salsola volkensii	89605	in soils--cont		koetjape
Salt SEE Sodium chloride		United Arab Republic	60106	Sandoricum koetjape
Salt glands	82552	60107		Sandy soils
Salt-marsh caterpillar SEE Estigmene		in soybeans	35207*	11324
acrea		in wood	61376*	20377
Salt-marsh mosquito SEE Aedes sollici-		Salvia	36862*	49605
tans		anatomy and physiology	27468a	90962
Saltatoria	84187*	89343	89600	50041*
Saltbrush SEE Atriplex		biochemistry	28078	90871*
Salticella	23702*	Canada	27468a	60327
Salticidae	63862* 63863* 63864*	Germany	90761*	102178
106048*		morphology	37635	29266*
Saltpeper SEE Potassium nitrate		Northeastern States	37635	49590
Saltpeper Chile SEE Sodium nitrate		taxonomy	27468a	60723
Saltpeper Norway SEE Calcium nitrate		Salvia apiana	83150	2260
Salts		Salvia buchananii	36833	39942*
effects on Acer	40699	Salvia coccinea	39125	37405
effects on barley	9751	Salvia lyrata	27640a	59349*
effects on beets	27590	Salvia mellifera	83150	80478*
effects on clover	89408*	Salvia occidentalis	47969	East Germany
effects on dates	58658	Salvia officinalis	78921*	20531*
effects on Festuca rubra	89057*	78922* 100640*		20748*
effects on forage plants	18873*	Salvia reflexa	29370*	40138*
effects on fruit	49732* 89431*	Salvia sclarea	37980*	49792*
effects on Fusarium decemcellulare	18071*	Salvia splendens	18909*	87013*
58702*		58614*		Great Britain
effects on grapes	58859	Salvia triloba	69289*	29650
effects on Juncus	89171	Salvinia auriculata	18420	101237
effects on Paris	77660	Salvinia rotundifolia	17826*	10488*
effects on plant disease	9743	Salviniaaceae	17826*	102085
effects on plants	27930 58563 58593	Salvizol	52063*	19675*
68897 21365*		Samanea saman	94988	20676*
effects on rice	19151 78522	Sambucus nigra SEE Elderberries		29734*
27956* 58901*		Sambucus racemosa	83892*	80329*
effects on Rosa	68695	Samia cecropis SEE Hyalophora cecropia	84179	80463*
effects on safflower	27899 28267	Samia cynthia	4745 5511	2259*
effects on seeds	102606	anatomy and physiology	84146	11679*
effects on soybeans	58475	cytology	84146	45904*
effects on sugarcane	78469*	enzymes	23906	26909*
effects on sugars	55894	metamorphosis	73795	50185*
effects on Tradescantia	89171	pupae	43271	New Zealand
effects on trees	78746	Samia cynthia ricini	94591*	101957
effects on vegetables	38455* 100377*	anatomy and physiology	106010	70683
in beets	27590a 58882	diapause	73464	102078*
in carrots	58882	genetics	5563*	49593*
in castorbeans	18827	metabolism	105941*	49911*
in dairy industry	107020	metamorphosis	105943*	49953*
in fertilizers	80732*	pupae	106055*	53704*
in lumber preservation	51225	Samia cynthia walkeri	5563*	60084*
61373*		Samorin	3564	19623
in meat		Sampsonius	94930*	100500*
in milk		San Jose scale SEE Aspidiotus pernicio-		100210*
in plants	18848 48482	sus	72443*	29741
in potatoes	78456	Sanatison	91015*	40643
in rumen	13735	Sand	29877* 82928*	60640
in soils	2583	Sand blasting		60640
9751 20423 20442 20485		tomatoes	321	11397*
28267 29898 40146 47932		Sand culture SEE SUBHEAD soilless cul-		26925*
49684 50217 60140 60176		ture UNDER Plants and names of plants		30033*
68695 70301 79939 80009		Sand dunes		60561*
80037 102116 102179 102191		Australia	8560 18422	69543*
2139* 20458* 29931* 38155*		Belgium	81098	91110*
49829* 78469* 90847*		China	90904*	81133*
Australia	60664 69563 101641	France	81148 47616*	10225
Canada	90859	Great Britain	37614 102271	704
Chad	60071	89017*		89188*
China	40211* 102684*	Hungary	50881	100720*
Georgia	2166	Idaho	95590	100720*
Hungary	60681*	Illinois	77214	104847*
India	59147	Indiana	9367	
Israel	60294*	Israel	40344*	
Japan	101778*	Japan	20572*	
North Dakota	78746	Michigan	37561	
Pakistan	80074	Netherlands	106089 77997*	
Rumania	11425* 29880* 101756*	New Mexico	95587	
102194*		North Carolina	89054	
Taiwan	27956*	Oregon	21000 37578	
USSR	11304* 11713* 11765*	Poland	33066 49878*	
11780* 20898* 29883* 29936*		Spain	81137	
29937* 29970* 40136* 40243*		Sudan	18428	
40246* 40289* 49732* 49831*		USSR	50916* 60724* 102545*	
50218* 50245* 50279* 50341*		Utah	95588 95589	
58702* 70316* 70324*--70326*		Sandalwood SEE Santalum		
70739* 79964* 80574* 80600*		Sandenia	94795	
91316* 101752* 102249*		Sandflies SEE Culicoides; Phlebotomus		

\*Text of this reference is not in English.



	Item			Item			Item	
Sapindales	8672		Sarcoptiformes-- Cont			Sausages		
Sapindus emarginatus	94538		taxonomy	23564	5080*	adulteration	65830*	86140*
Sapodilla	49560*		14430*	42912*	63865*	analysis and composition		55429
Sapogenins			83773*			97088	7133*	16204*
in Dioscorea	100574		Uganda	83775*		25838*	25859*	25875*
in Dioscorea friedrichsthalii	10224		Sarcosphaera ammophila	46990		35019*	35020*	35026*
in Dioscorea spiculiflora	10162		Sarcosporidia	63124*		55451*	75536*	75551*
in henequen	69259*		Sarcosporidiosis	4391*	4392*	86127*	86142*	97080*
in soybeans	55599		61811*	63123*	63124*	97094*	107594*	107604*
in Yucca	19428*		72853*	82846*	104868*	bacteria	45023	7133*
in Yucca filamentosa	38604*		Sarcostemma acidum	28290		25987*	65832*	65842*
in Yucca guatemalensis	19380*		Sargassum	47623	100436	107596*	107597*	
Sapogenols SEE Sapogenins			Sarka virus disease SEE Plum pox			casings	7201	87704
Saponaria	77338*		Sarnowiec test	22995*		25960*	35093*	35098*
Saponaria segetalis	89776*		Saropogon monachus	14630*		75652*	86209*	
Saponaria vaccaria	49519		Sarothamnus SEE Cytisus			chemistry		55439
Saponin	8613		Saroxenus	73510*		curing	97165	25977*
in drug plants	79075*		Saroxenus vuillaumei	5070*		55530*	97089*	97157*
in Hernaria	69196*		Sarracenia	18457		fat	55451*	75535*
in plants	10212*	28343*	Sarracenia flava	94732		fermentation		55535
100712*			Sarracenia minor	94732		flavor and odor		25984*
in Polemonium sibiricum	59099*		Sarracenia sledgei	47575		fortified		87807*
in soybeans	86280		Sarraceniales	27938*		Germany		35011*
in sugars	26264		Sarticus	94920		grading and standardization		65885*
in vaccines	13863*	31025*	Sarvaritermes faveolus	33492		industry		25794*
104809*			Sassafras albidum	77385		ingredients		25984*
Sapotaceae	8669*	17635*	Sassafras officinale SEE Sassafras albi-			keeping quality	7200	7169*
77301*			dum			45091*	55490*	
Saproglyphidae	42905		Sassaka n g	23616		manufacture	7200	16254
Saprolegnia latvica	37021*		Sastrapada	95260*		55439	55541	75655
Saprolegnia monoica	28014*	38221*	Sathrax n g	95635		86208*	86222*	86246*
58724*			Satin moth SEE Stilpnolia salicis			Germany		
Saprolegniaceae	18615		Satsuma oranges			East Germany		75635*
Sapropel	20407*	51451*	anatomy and physiology	58892		history		75626*
102047*			1237*	39021*	78745*	Hungary	35088*	35100*
Saprophytes	6979*	21007*	biennial bearing	1120*	100372*	75640*	86221*	86232*
90738*			biochemistry		38594*	107689*		
Sapstreak			canned		96894*	Indiana		86200
Acer saccharum	18188		fertilizers	20427	50057*	Poland		87807*
Sapygidae	43205*	105892*	industry		85692*	reviews		45398
Sarax sarawakensis	105571*		nutritional deficiencies		1127	Spain		65937*
Sarcandra irvingbaileyi	99972		pest control		42714*	Tennessee		25968
Sarcinella	8857		physiological diseases		100379*	USSR	25972*	35120*
Sarcobatus vermiculatus	78623		planting	58892	39021*	35125*	97150*	97161*
Sarcocystis	61811*		soils	1127	60171	microorganisms		55439
Sarcocystis miescheriana	32416*		storage		44740*	35106*		
Sarcocystis tenella	4391*	4392*	virus diseases		37479*	moisture		65890*
63123*	72852*	72853*	yields	60171	78745*	oxidation reduction potential		35006*
Sarcodon	197		Saturn yellow		43677	packed	45023	55490*
Sarcoid	92898		Saturnia pyri	84168*	95424*	packing		75614
Sarcolaenaceae	78100		Saturniidae			Portugal		75620*
Sarcoma	3904	13224	anatomy and physiology	5546		processing	7569*	25987*
93374	103956	13065*	84153*			86141*		45091*
Sarcophaga	23164	23654	as pests		106067*	properties		55530
Sarcophaga argyrostoma	64048		cytology		33443	proteins		65885*
Sarcophaga bullata			development		5511	quality	25794*	25936*
anatomy and physiology	84011		Ivory Coast		95513*	45091*	86185*	
cytology	5336		larvae		53515	regulation and inspection		65890*
development	33142	63996	metamorphosis		73795	97069*		
enzymes		5295	pupae		106004*	research methods		
larvae	23708	23709	rearing and breeding		106027*	linear programming		86200
Sarcophagidae			Satyridae			sanitation		7197*
anatomy and physiology	105776*		Africa		95397*	spoilage		16234*
as parasites	84002	73648*	collecting		106062*	storage		75557*
China		73667*	Czechoslovakia		95524*	tests		65830*
collecting		5250*	ecology		5501	toxicity		54226*
cytology	23639	64048	pupae		5501	types	25936*	25956*
food and host plants		64044*	Pyrenees		64184*	waste		45069*
Micronesia		83963	Scotland		73831	Saussurea		46852*
nutrition		73638	Spain		105914*	Sauton medium		57603*
Revillagigedo Islands		95016	taxonomy	23839	5504*	Sarva ants SEE Atta		51942*
taxonomy	23639	23654	23840*			Savannas		
105777*			Satyriinae		106005*	Africa		17562*
water relations		73638	Satyrium behrii		95399	ecology		47687*
Sarcophaginae		73633*	Satyris actaea		105914*	Ghana		18464
Sarcoptes rupicaprae		93662*	Satyris bryce		105914*	Honduras		58160
Sarcoptes scabiei	52812	105092	Sauerkraut			Ivory Coast		53584*
73547*			analysis and composition		6748*	Mali		29514*
Sarcoptes scabiei bovis		32660*	85730*			Nigeria	2793	21287
Sarcoptidae	53191	14430*	consumption		6773	Northern Rhodesia		9309
63859*			fermentation		75335*	Republic of South Africa		9364
Sarcoptiformes			manufacture	6773	34811*	Trinidad		37597
biology		53232	situation and outlook		65431*	Vietnam		91476*
development		42912*	storage		76891*	Savings	7641	56062*
nomenclature		14433*	vitamins		76891*	Saw-toothed grain beetle SEE Oryzae-		
nutrition		53232	Saurauia		88380	philus surinamensis		

\*Text of this reference is not in English.

		Item			Item			Item
Sawdust			Saxetania		84185*	Scambus		53424
composts	60332	80778*	Saxicolestes pollinivorus		42952*	Scapania nemorosa		634*
decomposition		20488*	Saxifraga	27523a*	57624*	Scaphochlamys		36859
hydrolysis	30672*	30699*	Saxifraga adscendens		17737*	Scaphoideus littoralis	52963*	83453*
in pulp and paper manufacture		61497	Saxifraga eschscholtzii		77317	94405* 94406*		
81497 12367* 61495*			Saxifragaceae		46907	Scaphoideus luteolus		105402
mulch		29853*	Saxifragites		88387	Scapteriscus acletus	23261	42398
products	41117 81557	91745	Say stick bug SEE Chlorochroa sayi			Scapteriscus vicinus	23261	42398
12424* 30701* 41103*		51304*	Scab			Scaptococcus n g		53410
properties		30699*	apples	362 418	9022	Scaptomyza flava		84000*
Sawflies SEE Symphyta; Tenthredinidae;			9052 9083 9089		9127	Scarabaeidae		53248*
Tenthredinoidea			18165 27100a 27146a		37243	Africa	23767* 83816*	94862*
Sawmills			47228 47267 57928		57929	105629* 105664*		
associations		40792	58011 68135 68189		77736	Albania		83893*
Australia		102880	85861 88804 99371		99392	anatomy and physiology		83839
bibliographies		30516	99434 27094a*		99282*	43014* 63984*		
Canada	12235	91672	barley		47192	and disease	105138* 105139*	105141*
Chile		51092*	cucumbers	371	9065	as feed		94815
costs and returns	30521	61339	69948 88818		99318	as pests		105666*
Czechoslovakia		12234*	Cucurbitaceae		88818	Asia		83816*
directories		51046	oranges		37259	Australia	94862*	94940*
equipment	21440 30526	50189	pears	9024 9083	9127	biology	5162	94917
61341 81349			potatoes	8998 18234	18695	collections		23553
Australia	21438	40786	27186a 39382 47221		47340	Congo	83884*	14522**
Germany		71409*	49375 70575 88768		99441	control		105174
East Germany		40790*	99558			diseases		83876*
Japan	40787*	91670	wheat		47192	ecology	14509	14523
Sweden		102883*	Scabby mouth SEE Sore mouth			Fernando Po		94951*
Europe	40791	51090	Scabies			food and host plants		5191*
Fiji		102882*	cattle		52480	geographic distribution		5162
France		102879*	man		52786 52812	94872		
Germany	12205*	81223	sheep	22852 52416	52480	Great Britain	5157	23604
hazards and safeguards			55480 63498		32297*	73552 94921		
21435*			SEE ALSO Mange			habits and behavior		43015*
Japan	30529*	40793*	Scabiosa		98907*	immature stages	5151	94917
Kenya		21439	Scabiosa atropurpurea		27809*	Japan		53274
labor	81347* 81351*	81352*	Scabiosa succisa SEE Succisa pratensis			larvae	5151 14558	105174
layouts		40788	Scabrosidama n g		73525	105639 63956*	94328*	
Maine		21539	Scaevola n g		43277*	Madeira		83824*
management	40786 40788	40794	Scaeva pyrastris unicolor		95017*	Morocco		33077*
2917* 51091* 51094*			Scald			mountain areas		5191*
mechanization	12228	40791	apples	9934 16035	16047	populations		105174
51096 61339 2917*		51085*	17960 25517 34795		55138	pupae		5151
51094*			55156 55177 55193		64366	South America	53279*	94853*
Minnesota		12236	75315 107374		34802*	Southeast Asia		63964*
New Hampshire		61384	barley		27661	speciation		43015*
North America		40791	pears		9963	taxonomy	14509 14558	94861*
Norway		21436*	Scale insects			63908* 63909*	83816*	
Republic of South Africa		51086	adaptation		33277*	94929* 94937*	94938*	
71408			anatomy and physiology		23742	USSR	5191* 5192*	94918*
research			and plant disease		52967*	variation		43011*
linear programming		81353*	as pests		42673	Scarabaeoidea		23604
statistics		91671	biology		53421*	Scaralis rosalesi		43164*
USSR		61343*	control			Scaritomorpha SEE Pterostichus		
waste utilization	30523	30676	biological	14171	83171	(Scaritomorphus)		
81354 12367* 51087*		51257*	chemical	94465	83399*	Scaroidana		23757
Sawpalmetto SEE Serenoa			94366*			Scatopse fuscipes		64029
Saws		30507*	Florida	14171	23279	Scatopsidae		23688
Australia		40786	63640			Scaurus		105608*
band	30528 51084	81348	Great Britain		42673	Sceliodus cordalis	5460 14740	52838
91673 12233*	61340*	71410*	India		14174	Scelionidae		5452*
blades		51083	Italy	23308*	23337*	105895*		
chain		40782*	natural		63640	Sceliphron		43234*
Australia	30522	61342	Oregon		14221	Sceliphron caementarium	5466	95343
Japan		40783*	USSR		63666*	Sceliphronini		53426
maintenance and repair		12213	dissemination		4675	Scendesmaeaceae		36961
71382			host plant resistance		32792	Scenedesmus	17866 28300	38544
tests		81290*	identification		14774	77457 9362*		
circular	51083 81319	81349	life history		14174	Scenedesmus acutus		38295
61307* 61311*			Mozambique		14164	Scenedesmus longus		28227
frame		71410*	Netherlands		33278*	Scenedesmus obliquus	18665	68588
maintenance and repair	71383 91673	51041	nomenclature		14774	27782* 38391*	48212*	68976*
parts		61341	Ohio		105836	78340* 78638*	89324*	89734*
power	81305 2898*	21413*	parasites	5444 14906	84069	100299*		
33639*			95277 33344*			Scenedesmus quadricauda		18498
Germany	81306 2910*	61315*	predators	14182	105684	78090 38324*	48246*	48487*
hazards and safeguards		102791	Southern Rhodesia		14164	69322*		
61309*			taxonomy		84046	Scent glands	14906 84036	95190
maintenance and repair		71382	Yugoslavia		73317*	53080*		
12227*			SEE ALSO Coccidae; Coccoidea			Sceptridium		88430
parts		51062*	Scales (insects)		14906	Schachtschabel test		49762*
tests		81290*	43294* 64187*		84162*	Schade test		86075
teeth	30524 30525	51095	Scales (weighing instruments)		52679	Schaefferia	15002	73888*
2916* 40795*			84352 53667* 53674*		75472*	Schaefferia caviticola		5630*
tests		81323	95722* 106236*			Schalm test SEE California mastitis test		
types	21437 30479	30521	Scaligeria	8729	98918	Schausinna		14903*
51159 51310 91670		30507*	Scalmicauda		84149*	Schedioides		64169*
40781*			Scaly-leg mite SEE Knemidokoptes			Schedorhinotermes tiwarii		14983
			mutans					

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.



Item			Item			Item		
Scheloribates	63890	73507*	105579*	Schizoseris	57706*	Sciomyzidae-- Cont		
Schenkia			64168	Schizotaenia	42910	biology	5281	43051
Scheuchzeriaceae			26881a	Schizostauron	88487	Canada		14613
Schidium			73732*	Schizotetranychus	83807	Congo		14692
Schiff reagents	14473	103803	18193*	Schizothyriaceae	17901*	Czechoslovakia		14664*
Schiltz-Izard test			33402	Schizotrachium	8821	ecology		14692
Schinus			17742*	Schizothrix calcicola	68380	Europe	5281	43051
Schinus areira			17742*	Schleicheria oleosa	42407	flight		73660
Schinus molle			4653	Schoengastia madecassa	23121	immature stages	5281	53337
Schinus terebinthifolia			68467	Schoengastia schuffneri	73171*	Malagasy Republic		23702*
Schisandra repanda			5199*	Schoenobius bipunctifer	SEE Schoenobius	North America		43051
Schismatops			31921	incertulas		Northwestern States		14613
Schistocephalus solidus			31946	Schoenobius incertellus	SEE Schoenobius	pupae		23790
Schistocerca			53516*	incertulas		taxonomy		33198
Schistocerca cancellata			64265*	Schoenobius incertulas		USSR		43112*
Schistocerca gregaria				control	23246	105215		63594*
anatomy and physiology			33486	94293*				
33487	64251	64263	64266	diseases	95505	Scirpoidea		47755*
84191	84203	106077	106106	eggs	105215	Scirpophaga nivella		14803
84192*				emergence	106034	Scirpus americanus		98928*
and disease			63442	larvae	63559	Scirpus cyperinus	36912	88381
biochemistry			53523	nematodes	73832	Scirpus lacustris		1417*
control			23074	populations	42561	Scirrhia acicola	99499	99523
73063	104985	104986		Schoenobius maximellus	95376	Scirtothrips	64285	73883
cytology			33464	Schoenoplectus	8659*	Scirtothrips bispinosus		14160
84192*				Schoenus	57587	Scirtothrips signipennis		14169
development			64257	Schoniger test	106557	Scleranthus		36914
106070				School gardens	SEE SUBHEAD school	Scleria		77387*
digestion			23922	and community	UNDER Gardens and	Sclerites	23934	64242
ecology			5565*	gardening		Sclerobia tritralis	14858	23188
eggs			106103	School lunches	6773	8342		27310
flight			43319	35738	36331	46430		57074
64251	14912		94643	64814	96157	106620		67434
106079	106106	73112*	84195*	bibliographies		27329		67434
106068*				Czechoslovakia		108941*		17208*
India			4636	France		17208*		17237*
locomotion			14927	Japan		17217		96633
Mauritania			5565*	Oklahoma		67418		24415
metabolism	14918	53521	53523	Peru		46459		51200
106106	73878*			policies and programs		51200		67136*
microorganisms			63442	76865	97327	98352		94792*
migration			14930	West Virginia		24415		94788*
molting			33452	Wisconsin		46459		14484*
nutrition			33454	Schools	27080	36060		8754
outbreaks	4636	42443*	73112*	98200	17039*	17070*		105052
oviposition			5567	Schoutedenichia		94790*		88345
predators			5127	Schoutedenichia annulata				105962
rearing and breeding			106077	Schoutedenichia terrestris		99127*		91217*
Red Sea area			84204	Schouwia purpurea		41875		62335
respiration			106107	Schradan		17801		42674
variation			95583	Schradera		42674		
vision			84203	Schrankia				
water relations			64257	Schroeteria delastrina				
Schistonyx			14810*	Schultz-Dale reaction				
Schistosoma indicum			52425	Schwannoma				
Schistosomiasis			30972	Sciadopytes verticillata				
81802	61902*			Sciaphilus				
cattle			22185*	Sciapteron tabaniforme	SEE Paran-			
control			12605*	threne tabaniformis				
dogs			72432	Sciariidae	5276	33161		42631
Mauritania			41309*	Science				
Philippines			17077	and agriculture	7749	7784		
reviews			31009	26830	27360	54091		56258
Senegal			41309*	56846	57193	86904		108296
sheep			52425	8536*	16677*	46518*		27083
Thailand			103258	Australia		7726		76651
Schizandra SEE Schisandra				developing areas				
Schizanthus			18529*	Germany				
Schizanthus pinnatus			27202a	East Germany		66587*		35693
Schizaphis graminum	SEE Toxoptera			India		16526		91804*
graminum				Philippines		76944		17477
Schizocarpus mingaudi			33100	Rumania		45720*		79092*
Schizochytrium n g			36985	USSR				
Schizolachnus piniradiatae			33282	17481*	17482*			
Schizolaena			46790*	88100*				
Schizomeris leibleinii			8800	conferences and congresses		74312		
Schizopeltis			99057*	87818	91718			
Schizophyceae SEE Cyanophyceae				Scientists	108198	109248		
Schizophyllum commune	37668		40859	Scilla autumnalis	58208*	99826*		
68518	78188	89775	100037	Scilla nonscripta	18546	18547		
Schizophyllum sabulosum			73536*	58250*	69312			
83136*	83223*			Scilla obtusifolia		36798*		37752*
Schizopodalgae n g			42918*	Scilla sibirica		27401a*		83253*
Schizopodalgae lagothricola			42918*	Scilliroside		41377		
Schizosaccharomyces malidevorans			99118	Scintillation counters	13075			
			27569a	61908*				
Schizosaccharomyces pombe			85148*	Sciomyzidae				
89288	9567*	24677*		Africa		23702*		
89297*								

\*Text of this reference is not in English.

	Item			Item			Item	
Scolytidae-- Cont			Scorpionida-- Cont			Seabuckthorn SEE Hippophae		
and plant disease	14271	83460	Rennell Island	105552		Sealing compositions		80671
as pests	23402*	42984*	reproduction	23540*		Sealions		32665*
63696*	105607*		Rhodes	105561*		Seaweed		
biology	14542*	73304*	stings	42512	42558	analysis and composition		7558
breeding places		4906	taxonomy	105553*	105554*	66308*		
Cameroon		94953*	United Arab Republic		94740	anatomy and physiology		9715
Capraia		14584*	venum	52815	94740	89648	100134	
chemoreception		23591	106084	23161*	105459	biochemistry		89835
control	42748	73304*	water relations		5061	conferences and congresses		88475**
Costa Rica		94930*	weight and measurement		105545*	ecology		88990
development	42977	83577	Scortizus		94990*	reviews		18439*
feeding habits		105659*	Scorzonera	11139*	38044*	extracts		99718
Florida		83577	70061*	99717*	57602*	feed	4082	13641*
food and host plants		43022*	Scorzonera hispanica		33985*	fertilizers	20728	70284
France		52978*	Scotch pine SEE Pinus sylvestris			91078	91131	91416
fungi	83817	94860*	Scotia		95373*	70559*		29742*
geographic distribution		5129	Scots pine SEE Pinus sylvestris			industry		97499
83912	14542*		Scoturius tigris		63862*	Norway		99028*
Ghana		5129	Scours		41378*	products		97502
Great Britain		5179	cattle	31377	31448	research methods		
habits and behavior	5129	33095	103651	3562*	3618*	statistical		97499
83577	14542*		31287*	31326*	31328*	Scotland		97507
host plant relations	83912	73561*	82266*	103899*		SEE ALSO Algae		
Madeira		83887*	reviews		12944	Seaweed meal	91813	103580
nematodes	5186	5187	swine	4556	22943	Sebaethe		14562*
14531*			32434	72975	93869	Secale		47870
Nigeria		33079	52596*			Secale cereale SEE Rye		
North America	63934	94880	causes		52594*	Secale vavilovii		47870
nutrition	105311	23592*	control		72985	Secamone		711
overwintering		53284	prevention		83024	Secodelloidea		84073*
Poland	4901*	105659*	treatment		93884	Securinega suffruticosa		100488*
populations	63919	83577	32539*	104847*		Securinega virosa		100685
rearing and breeding		94855	Scrancia		84149*	Sedation	12595	71721
smell		63982	Scranciola		84149*	103337	41341*	51501*
Surinam		94952*	Scrapie		13698	cats	22325	41757
taxonomy	83912	33110*	diagnosis		72879	3880*	31589*	72425*
94952*			eradication		72879	cattle	3419	22174
water relations	14544	73588*	goats		42198	51715	62300	104107
Western Hemisphere		84074	mice	13412	62664	dogs	31571	41730
Scolytinae		14548*	rats		41864	52052	3819*	3880*
Scolytoidea	23618	43003*	sheep		82824	82390*	92692*	92747*
83888*			transmission		41864	hamsters		31738*
Scolytus		33081	Screens		14027	horses		104107
Scolytus mali		52952*	Screw-worm SEE Cochliomyia homini-		40973	poultry		42030*
Scolytus multistriatus		32921	vorax			sheep		93653
and plant disease	63697	83576	Screws		51105	swine		52521*
control	14271	105357	Scrobipalpa atriplicella		95516*	SEE ALSO names of sedatives		
feeding habits		14544	Scrobipalpa ocellatella		52854*	Sedge SEE Carex		
habits and behavior		42970	Scrophulariaceae	36889	37803	Sediment test		
water relations		14544	99715	99914*		blood SEE Erythrocyte sedimentation		
Scolytus quadrispinosus	42979	53250	Scrotum		13296*	reaction		
Scolytus ratzeburgi		73588*	Scrub typhus SEE Tsutsugamushi disease		52386*	fruit		6744*
Scolytus rugulosus		52952*	Scrubbers		55162*	milk	74761	85296
Scolytus ventralis	53032	94914	Sculptulistreptus n g		83768*	96451		85315
Scopaeus		105672*	Scutacaridae		94758	wheat	19502	25661
Scopias		23769	Scutacaridae		94758	25733	25767	25778
Scopodes ocellatus		5184	Scutacaridae (Variatipes)	94758	5099*	34959	44890	55385
Scopodes splendens		5184	Scutellaria		36862*	65683	107431	6957*
Scopolamine	89950	69164*	Scutellaria thieretii		98961	25576*	25577*	25580*
Scopoletin	9085	19033	Scutellathous		63962	65674*	75368*	34936*
Scopolia carniolica	27507a*	78120*	Scutelleridae		14760	Sedimentation	29985	40349
Scopolia tangutica		89933*	Scutellerinae	84045	95223	102143		60662
Scopolin	7528	100181	Scutellonema brachyrum		484	control		40316
Scopula	105962	105973*	Scutia buxifolia		67886*	India		50299
Scopula nigropunctata		33394	Scuticaria		20003	Mississippi		70824
Scopularia phycomyces		12293*	Scutigera		83192	New Zealand		50267
Scopulariopsis		69325	Scutigera immaculata	14487		Poland	49844*	49875*
Scorpio maurus		23543*	83361	42570*		Taiwan		40173*
Scorpiones SEE Scorpionida			Scutigera remyi		94737*	Sedofarmol SEE Aminopromazine		
Scorpionida			Scutovertex		94678	fumarate		
Africa		5069	Scutovertex niger		83795*	Sedum		37361
anatomy and physiology		5069	Scydmaenidae		83863*	Sedum anglicum		148*
73505	5105*	63872*	Scylla SEE Scilla			Sedum aolikon		88349*
Argentina		42903	Scymnus biroi		53235*	Sedum formosanum		67835
bites		23161*	Scymnus pupulus		63977	Sedum maximum atropurpureum		36933
Brazil	105553*	105554*	Scymnus syriacus		95842	Sedum rosea		95202
collections		105553*	Scythes		23858*	Sedum spectabile		78113*
control	23151*	23152*	Scythris muelleri		53221	Seed analysts		66141
cytology	14417	105596	Scytodidae		46959	Seed-corn maggot SEE Lylemya cili-		
development		23540*	Scytosiphon pygmaeus		47727	crura		
ecology		5061	Scytosiphonaceae			Seeding blight		
habits and behavior	73505	5102*	SD 3562 SEE Bidrin			oats		88699
India	94740	105596	SD-4294 SEE Ciodrin			Seeds		
Iraq		42926	SD-7859	42525	63484	analysis and composition		58718*
Mexico		42512	Sea kale SEE Crambe maritima			anatomy and physiology	68693	100378
nomenclature		105595*	Sea water	18922	60747	58953*	59004*	78396*
Pacific area		42558	Seabratilla n g		64138*	89383*	89507*	89641*
			Seabratilla baleia		64138*			

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.



Item				Item				Item			
Seeds-- Cont				Seeds-- Cont				Seeds-- Cont			
associations	66160	66172	78237	harvesting	55793	95878*		quality--cont			
78240	86414*			harvesting equipment	43614	95888		New Zealand		37833	
biochemistry	59057	69256	78926*	15179*	66155*	106310*		Sweden		86427*	
certified	16391	45297	45301	history		97420*		USSR	7420*	18926*	100750*
	45307	55784	66139	home production		16392		records			45293*
66180	86426	45302*	66167*	hulled		7411*		regulation and inspection			8297
directories				identification	16393	55361*		16383	26238	26239	45297
Illinois	55779---	55783	107881	industry	16387	26230	66152	45301	45304	45307	55821
107882	107883			66168				66168	66181	86438	107874
Kansas	35331	107886		as an occupation		26233		107880	107898	10300*	26221*
Nebraska	26232	107890		Bulgaria		55816		Austria			45285*
North Carolina		107891		India		26219		Denmark	17953*	55770*	99159*
Ohio	7423	26234		Northern Ireland		16390		Europe			55767*
Europe	19448	97433		Oregon		66142		France		97430*	97437*
France	97416*	97427*		Poland	54938	18730*	28418*	Indiana			55805
Germany	7414*	7422*		86419*	97419*			Kentucky			35332
India		55813		sanitation		7433*		Maine		26229	86425
international		55773		USSR		10300*		Massachusetts			75816
Iowa		55785		injuries		9985*		Missouri			66159
Italy		7431*		inoculation		29541		Netherlands			97434*
Japan		86417*		inoculation equipment		26980		New Hampshire			107896
Kansas		86428		labeling	45289	45307	55771	New Jersey		55787	75817
Minnesota	10294	86432		97418	45284*			New York			97418
North Carolina	86433	86434		legal aspects		19749	26239	New Zealand			37833
Ohio	66162	86435		legislation	16394	26238	27061a	Norway			107892*
Oregon		75820		42583	45308	55771	55821	Oklahoma			45300
Southern Rhodesia		16384		75817	107895	107896	7428*	Southern States			45278
Sweden	7412*	45282*	75815*	35324*				Sweden			26237*
USSR bloc		16388*	7416*	marketing	16385	16391	16392	USSR			7429*
cleaning	35330	7415*		35323	45307	66143	66163	Vermont		45305	66175
7434*	9667*	97421*		66182	45298*	66151*		West Virginia			16398
cleaning equipment		7413	35326	microorganisms		48025	98784	research programs		66146	66156
55820	7432*	26222*	35322*	moisture	55777	55806	55811	66173			
35333*	55814*	66169*	84550*	78619	89317	89538	48177*	situation and outlook		8291	66137
97432*	97436*			55789*				66148	66164	66180	66181
collections	77175	77243	77258	morphology	37783*	47803*	78162*	107877			
101445				packing	35327	45288	54263	Canada		26227	66179
conferences and congresses		26236		55772	26225*	45290*	55801*	Finland			7418*
38655	45278	59133	7407*	pellets	52841	70379	101789	France			97431*
10300*				45299*	75813*			Germany			45303*
consumer preferences		45295*		Pennsylvania		55804		Great Britain		107879	
containers	55765*	55790*	86430*	pests		105204		Mexico			45287*
contamination		86421	66155*	planting	102083	102169	162091*	Oregon		66142	86423
cooperatives		66157	86422	planting equipment		84433	84434	Poland		97439	97438*
costs and returns		66893*	66895*	95827	102083	74053*	106294*	Sweden			66161*
87153*				China		106283*	106286*	USSR		7437*	107899*
directories	16396	35336	55808	Czechoslovakia		15129*		USSR bloc			107887*
86428	86432			desert areas		74065*		size			928
dissemination	650	17747	71235	designs and specifications		95828*		statistics	55768	66149	66176
88132	98774	2040*	2833*	Germany	43573	64434*	74049*	74558			
100488*				95832*				storage	7406	48025	48289
dormancy	1161	9868	9951	Great Britain		64423		55775	55778	55793	55797
28137	28138	37931	38441	history		74066		55810	100246	47997*	86430*
40636	48353	48613	58759	Hungary		84448*		Australia			66170
61139	68901	89554	100131	India		106281		bibliographies			55786
100304	100524	28266*	30361*	operation	33670*	74048*	106292*	China		100312*	107876*
48304*	58701*	58744*	89411*	parts		64430		controlled atmosphere			55792
drying	28166	55796	55799	Sweden		84443*		55812			
55815	78668	7415*	12133*	USSR		74067*		diseases			44861
16397*	45306*			policies and programs	58451	66146		humidity	86424	45294*	55800*
drying equipment		55764	55795	66160	66140*			Latvia			97414*
15188*	35337*	86415*		India		7421		pest control			53004
enzymes	1367	16395	69332	Indiana		66158		Poland		45292*	86429*
89839*				Iowa		66150		Rumania			89565*
fat and oil content		21261	107698	North Dakota		66147		structures		5953*	106497*
66016*	98969*			Poland		55794	66144	Sweden		26225*	55790*
Germany			1466*	Rumania		55791	66166	USSR			66174*
East Germany		56375		Sweden		45282*		ventilation		7405*	35337*
germination	971	1142	1161	USSR	7438*	97429*	107887*	study and teaching		55776	75814
1367	9869	9924	9932	prices		76806*		Sweden			18768*
10591	19012	19214	19437	processing	35328	45286	55774	testing equipment		26224	26240
38300	48188	48394	58748	66158				tests	1234	2828	8297
68957	69332	69666	78566	processing equipment			97417	26220	45297	45301	45307
78821	79009	89422	89466	16379*				55806	66136	66145	66153
100173	100223	100246	100442	production regions			7425*	66154	66165	75812	78821
1230*	2040*	9667*	9834*	properties			16379*	86431	88741	89330	89512
9985*	10016*	18992*	20500*	proteins	48573	79009	44587*	89513	89631	89632	97425
27738*	27812*	27813*	28129*	47803*	55803*			97428	97435	7408*	7409*
28236*	38275*	47997*	48009*	purchasing	7419	45295	26228*	7411*	47803*	77491*	
48043*	48150*	48177*	48380*	quality	75811	9667*	48425*	Austria			38676*
58818*	68744*	78648*	78838*	Alabama			28431	Germany			55807*
89839*				Denmark			26228*	Great Britain			86421
grading and standardization		55771		Hungary		26223*	98422*	Iowa			45283
55784	16381*	35325*	84550*	India			7421	Italy			66171*
86418*				Italy			26218*	Missouri			16389
grading and standardization equipment				Latvia			97414*	Netherlands	310*	312*	7410*
45280	107875	35329*	55818*	New York			97418	7435*	7436*	86436*	
97432*											

\*Text of this reference is not in English.

Item			Item			Item		
Seeds-- Cont			Selenium-- Cont			Semen-- Cont		
tests-- cont			in soils	2253		rabbits	72702	13605* 22725*
New Hampshire	107896		in swine nutrition	22925		22732*		
New York	97418		in turkey nutrition	22683		rats		71923*
Southern Rhodesia	16384		in vegetables	100242		reviews	3032*	51380*
Sweden	378*	7430*	in wheat	31730		sheep	82746	93587 104588
trade	8291	8297	therapeutic use	4393		22748*		
98331			72308	4388*	41588*	analysis and composition		93577
European Economic Community			toxicity	31730	51840	21978*		
Germany	46371*	46408*	103267	63122*		collection		22761*
Greece	76774*	77523*	reviews	61834		dilution	82026*	93576* 104579*
Netherlands	76799*	76800*	Selenochilus n g	95238		104580*		3347*
76806*	87633*		Selenophoma	37032		enzymes		72726
treating equipment	26980a	58030	Selenophoma kamatii	99093		quality	63031	82026*
307*	27047a*	57767*	Selast	12045*	21252*	storage		104579*
treatment	347	971	Selinum	98918		viability		3037*
2420	4674	9924	Selonodon	94909		storage	61613	71603
19012	27253a	35330	Semasia aceriana	42759*		51376*	71602*	81625*
47139	48394	52690	Semasia dñiana SEE Zeiraphera griseana	21736*		91790*	91800*	93576*
68862	77749	99203	Semen	21736*		reviews		30751*
37094*	48009*	68723*	Apis mellifera	53087		swine	4458	72906
conferences and congresses	19068*		asses	13329		22885*	42229*	52521*
Czechoslovakia	68087*		buffaloes	3373	12826	104760*		13756*
France	18159*	77555*	71917	92166	92232	analysis and composition		4468*
Germany	17994*		cattle	3358	3419	dilution	13757	4465*
Italy	27107a*	57854*	71910	71942	81959	32322*		
Netherlands	37070*	47141*	81964	81980	92173	hydrogen-ion concentration		82886
Nicaragua	27034a*		3413*	12787*	12832*	storage	82886	32322*
reviews	26990a*		31137*	71923*	71928*	viability	82886	42231*
vernalization	1166*	38214*	103416*	103475*	103503*	turkeys		82524
68929*	89619*	89673*	analysis and composition	3351		dilution	4022	4023
11029	48025	48289	12800	22014	51656	quality		4022
78279	78566	78668	81976	82008	92166	viability		62679
45293*	47997*	48425*	21978*	31748*	81940*	viability		103456*
100316*			bacteria	31100*	61974*	SEE ALSO Electroejaculation; Sperma-		
bibliographies	55786		care and handling	62021	81951	tozoa		
weight and measurement	46718		chemistry	3350*	12811*	Semiadalia undecimnotata		14580
47893			dilution	3351	3390	Semidialis	106140	33501*
SEE ALSO Aircraft, in seed planting;			62006	81930	81986	Seminal vesicle	41437	61947
Plants, embryos; and UNDER Trees,			3377*	12833*	21962*	3838*		
and names of plants			21964*	21968*	21969*	Seminar vector control		42556
Seetzenia orientalis	27576a		22024*	31080*	31130*	Semliki Forest virus	4733	63456
Segeberg method	50947*		81939*	82026*	92191*	Semolina	34940	25681*
Seimatosporium SEE Coryneum			enzymes	3347*	3406*	Senecio	54	11034
Seioptera importans	14681		hydrogen-ion concentration	62006		88264	10057*	8813*
Sejus	14454	94699	microorganisms	41440*	41441*	Senecio aureus		81
Selaginella	643	18666	proteins	31095		Senecio brachychaetus		17651*
46916*			quality	62030	92263	Senecio bulbifolius		19954*
Selaginella densa	36902	89239	103481	3406*	51638*	Senecio cruentus		88694
Selaginella kraussiana	18964*		storage	3411	12837	Senecio douglasi		58972
Selaginella martensi	38120*		22003	31082	61961	Senecio jacobaea		42393
Selaginella uncinata	9540		81986	103480	103481	Senecio magnificus	38548	89201
Selaginellaceae	67896		3395*	12803*	12833*	Senecio nuducolis		48508
Selasia	73610*		21967*	21968*	21969*	Senecio squalidus		88332
Selective service	45550		41419*	81965*	81983*	Senecio subalpinus		89945
Selenates	1438	48593	82026*	92191*	103422*	Senecio tamoides		36782
Selenia lunaria	95477*		tests	12791*	21984*	Senecio vulgaris	10143	27251a
Selenite SEE Calcium sulfate			viability	3411	12851	99421		88783
Selenium	36560*		61961	62020	103500	Sense organs		63811
effects on animals	51548		21967*	21968*	21969*	Achaearanea tepidariorum		42953
effects on cattle	12798		31081*	31130*	41419*	Aedes dorsalis		95146
effects on fats and oils	66050*		81973*	103456*		animals		
effects on sheep	13691	32208	dilution	71603	30752*	reviews		83742
in alfalfa	13407		reviews	41730	72365	ants		43225*
in animal nutrition	3102	51437	dogs	41730	72365	aphids		105855
71664	103136		analysis and composition	82355		Apis mellifera	14312*	32948*
in animal physiology	92041		dilution	41731	41732	73399*	94578*	
in blood	42063		41734			arthropods		
in cattle nutrition	31145		storage		41731	reviews	83742	23509*
in cattle physiology	72771		transportation		41732	Bombyx mori		105492*
in duck nutrition	104304*		viability		41733	Calliphora vicina		43099*
in eggs	32119		ducks	4328	4331	Carausius morosus		95593*
in forage plants	68781	72771	goats	32200*		Coleoptera		105610*
in fungi	58862		horses	3940	62588	Culiseta inornata		95146
in human nutrition	108914*		microorganisms			Dictyoploca japonica		53515
in laboratory animal physiology	31724*		poultry			Diptera		23708
in mouse nutrition	13407		analysis and composition			Eulaelaps shanghaensis		105599*
in plants	2253	10145	chemistry			insects	53133	63809
58862	89756		dilution	4052		105517	14381*	
in poultry nutrition	104304*		hydrogen-ion concentration	82538		research methods		
in poultry physiology	93322		quality	41892	62714	statistical		43198
in sheep nutrition	31145	52436	storage			reviews		83733
63120	93621	104602	viability	4025	22480	isopods	14449	73516
in sheep physiology	42217	52410	quality	82538	92989	Leiurus quinquestriatus		73505
72308			storage			Lygaeus kalmii		23771
			viability			Megoura viciae		64109
			quality			Melanoplus differentialis		73882
						Melolontha melolontha		23620*

\*Text of this reference is not in English.



Item			Item			Item		
Sense organs-- Cont			Serine			Sesame meal		
mosquitoes	95134		Serine-ethanolamine-phosphate	58592	58593	Sesame oil	52173*	93045*
moths	5511		Serinetha	72646		Sesamia	65974	107746*
Pirate piraticus	105549		Serixia thailandensis	95201*		Sesamia botanephaga SEE Sesamia nona-		5544*
Pseudaletia separata	95471*		Sernyl	94985*		grioides botanephaga		
Reticulitermes flavipes	14978		Serological tests	32538		Sesamia cretica	23900	64226
reviews	23513*		3136*	5351	41335	Sesamia inferens	73226	63594*
Sarcophaga argyrostoma	64048		3136*	3240*	14069*	Sesamia nonagrioides botanephaga	94335*	
Sarcophaga bullata	23708		30858*	61880*	81798*	Sesamin	65974	
SEE ALSO SUBHEADS chemoreception;			91974*	92033*	92095*	Sesamoides	88322	
hearing; smell; taste; touch; vision;			99566*	103323*		Sesamolin	65974	
UNDER Insects and names of insects;			buffaloos			Sesamum SEE Sesame		
Livestock and names of animals			camels			Sesbania	36901	
Sepedomyia	23702*		cattle			Sesbania aculeata SEE Sesbania bispinosa		
Sepedoniinae	14692		41678	3585	22210	Sesbania bispinosa	20775	100467
Sephadex	20426	65773	92540	41700	51893	Sesbania grandiflora		79063*
28378*	39657*	48638*	41659*	103632*	103708*	Sesbania sesban		100625
89854*			92705*	3790*	3791*	Sesiidae SEE Aegeriidae		
Sepiapterin	14338		goats			Sesquigoyol		19435
Sepidocoris	53418*		horses			Sesquioxides	39691	70294*
Sepsidae	73616	43059*	82441*	3988	31667*	Sesquisphaera		14562*
Septicemia			man			Sesquiterpenes	1413	19404
Apis mellifera	14310		mice		41363	66004	97213	35164*
cattle	3682	3566*	milk		105117	79043*	86264*	45165*
103657*	103687*		nematodes		31733*	Sesquiterpenoids		19435
Dendrolimus sibiricus	42444*		plants		96414	Setacea		17639
dogs	63722*		poultry		99673	Setae		106009*
poultry	72621	104373*	72625*	4179	77933*	Setaria		27878*
sheep	104431*		72625*	104390	42011*	Setaria cervi		4298
swine	102807*		rabbits			Setaria digitata	4298	93547
turkeys	103182*		sheep			Setaria faberii	58761	79841
Septimetrin	13525*		63097*	41368	63141	Setaria glauca		18463
Septoria	12568*		4475*	93628*	93654	Setaria italica	18630	78767
8993*	37032	37351	104876*	41368	93873	Setaria labiata papillosa SEE Setaria cervi		
46976*	77466*	77475*	104877*	4475*	104889	Setaria lutescens	9951	79841
Septoria apii	355	37201*	turkeys			Setaria sphacelata	19123	26838a
Septoria apii-graveolentis	355	18114*	viruses			Setaria viridis		2023
18118*			Serositis	4550	13020	Setariosis SEE Filariasis		
Septoria avenae	9009	99438*	Serotherapy		77556*	Setcreasea brevifolia		58430
Septoria chrysanthemella		18106*	Serotonin SEE 3-(2-Aminoethyl)-5-indolol			Setcreasea ovata		37876
Septoria depressa		99442	Serpentine	48024	50396*	Setcreasea pallida		58430
Septoria digitalis		88717*	Serpentine soils	1127	37605	Setcreasea purpurea		37876
Septoria linicola SEE Mycosphaerella			78034*	98993*	67903	Setobates n g		73507*
linorum			Serpula SEE Merulius			Setodes	53573	106130
Septoria lycopersici	99297	9158*	Serradella	28656	48436*	Setosophrioniella		94825*
Septoria musiva		99277	Serranegra		95245	Sevin SEE Carbaryl		
Septoria nodorum	8987	9132	Serratia maraescens	105869	13064*	Sewage		
37182*	68114*		82153*			and insects		83734*
Septoria oudemansii		100479	Serratula		8658*	and Culex tarsalis		94078
Septoria populi		18169*	Serrodos inara SEE Serrodos partita			disposal	5687	5970
Septosperma		8829	Serrodos partita		23311	33943	33944	43867
Sequoia	80872	88995	Serromyia		105706*	Canada		106535
12295*			Serum	103354	3249*	conferences and congresses		43866
Sequoia gigantea	532	9325	guinea pigs		63162*	France		54056*
Sequoia glyptostroboides		70925	horses		91909*	Great Britain	54055	54059
Sequoia sempervirens		12127*	104669*	104912*	104826	Indonesia		5972
California	77165	77240	plants		31695*	Italy		5971*
ecology	58201	89055	18376	27335a	18304	Japan	33945*	54057*
germination		71271	rabbits		79695*	Minnesota		64704
growth		91779	sheep		104826	Venezuela		5968*
harvesting	61298	61320	swine		104715	fertilizers	60812	60820
measurement		2745	SEE ALSO Antiserum; Immunization;		32534*	70897	30079*	70882
seeds	21278	71271	names of serums; and UNDER Blood			70890*	80266*	60337*
wood	91779	102890	Serum albumin	53522	103313*	102367*		80453*
yields		2745	Serum neutralization test	22605	73281	Colombia		21037*
Sequoyitol		59068*	3248*			Cynodon dactylon		60377*
Serangium		53272	Serum sickness		62614	France		102055
Serapias SEE Epipactis			Serviceberries SEE Amelanchier			Germany	20892*	80276*
Serenoa		90679	Sesame			East Germany	12055*	49792*
Sergentomyia SEE Phlebotomus			anatomy and physiology		58205	91159*		
Serica brunnea		83876*	89573			Great Britain	2674	102356
Serica orientalis SEE Maladera orientalis			bacterial diseases		37398	India		2688
Sericesthis pruinosa		105679	breeding		38890*	Israel	11874	21040
Sericin		83696*	costs and returns		59416*	Japan		60826
Sericolea		57535	culture	90226	101064	Netherlands	60801*	70895*
Sericostomatidae		33490	48940*	48945*	59416*	102369*		
Sericothrips		64285	disease resistance		47544	Poland	50061*	80265*
Sericulture			diseases		18022	80597*	91042*	80446*
China		94597*	fungus diseases		99313	91411*	91413*	91043*
contests		73460	genetics		58205	reviews		2673*
costs and returns		23497*	India		14087	Spanish Guinea		11867*
France		42836*	pest control		105340	USSR		80247*
history		14335	pests		14087	in irrigation	40313	11788*
Italy	53108*	63806*	planting		19693	29475*	40184*	50282*
Japan	23485*	33522*	seeds		97231*	70784*	79097*	70733*
Mauritius		32978	statistics	75696	107782	80446*	80452*	80231*
reviews		32985*	varieties	14087	19680	80596*	80597*	80513*
situation and outlook		23491*	89573	101064	1650*	80665*	80667*	80585*
statistics		55556*	virus diseases		47544	80665*	80667*	80616*
USSR		79244*	yields		18022	82084*	91272*	81046*
						102108*		91292*
								91413*

\*Text of this reference is not in English.

	Item			Item			Item	
Sewage--- Cont			Sex attractants-- Cont			Sex organs-- Cont		
microorganisms	91411*		insects	5521	23199	buffaloes		92388
Sex			33488	63408	23511	Carausius morosus		53519*
Adelphocoris insignis	84056		5474*	23492*	53096*	cats		92733*
Aedes aegypti	43135		73059*		53114*	cattle	41573	71927
Anopheles stephensi	105795		Lepidoptera		33431*	81961	81989	92432
ants	95318*		Periplaneta americana		33488	103790	3370*	103731
Apis mellifera	53091	105424	Porthetria dispar		64231*	41704*	61970*	31324*
63792*			Tephritidae		23285	92178*	103653*	62444*
Blattella germanica		14928*	Sex behavior			diseases	3363	103717
Bombus	5474*	95313*	animals		91920	3578*	3679*	22139*
Bombyx mori		53112*	Anopheles quadrimaculatus		63458	31274*	31312*	92559*
Bracon greeni		5468		95128		103824*		
Bupalus piniarius		53490*	Anthonomus grandis		14547	microorganisms		41440*
camels		61715	Apis mellifera	63745	94507*	Cecidomyiidae		95068
cattle	81941	31134*	Argia apicalis		43337	Ceriagrion		23958
determination		3514	arthropods		94623	Choragus sheppardi		94843*
ratio	3366	30996	Asolcus		105895*	Chrysoprasis		43042*
Cephus cinctus		23789	Attacus atlas		14891	Clovia		95155
Chilopoda		42945*	Bombus hypnorum		33338*	Coleoptera		105634
Cochliomyia hominivorax		83928	Bombyx mori		94613*	Cotinus nitida		83839
Coleoptera		105634	buffaloes		61992	crickets		14932
Culex pipiens pallens		105010*	Callibaetis floridanus		23966	Crocothemis servilia		5629
Culiseta		43142*	cats		31531	Culex pipiens		5357*
Curculionidae		83885*	cattle	61992	71947	Cydnae		95266*
Dahlbomius fuliginosus		105907	51631*	51653*	61616*	Cygniterra		33448
Dendroctonus frontalis		63963	71923*	103437*		dogs	13281	92733*
determination		73645	Coleoptera		14546*	Dolichopoda geniculata		5585*
reviews	81722*	91914*	crickets	23927*	23928*	Drosophila melanogaster	14621*	104974
Dichocrocis punctiferalis		73784	Cryptocercus punctulatus		53546	Erebria tyndarus group		43285*
dogs		92679*	Diabrotica balteata		63918	Glyphonyx		42999
Drosophila		23680	dogs	41730	62471	goats	63020	72857
Drosophila melanogaster		5313	Drosophila	41859	53362	Guinea pigs		22475*
43115	73645	95020	Drosophila melanogaster		23669	Hemiptera		23758
Drosophila willistoni		5313	33151	83965	14631*	Heteroptera		43174
Eurygaster integriceps		105832	Drosophila pavani		53307	horses	3953	22391
flies		43084	ducks		31770*	82434	92904	104084
goats		104587	Empis		105719*	Hydroecia nordstroemi		43302*
Gryllus veletis		106099	Enallagma civile		43337	Hypera postica	42981	42988
Hymenoptera	5450	5451	Erythemis simplicicollis		43348	94982		
isopods	73645	14467*	Euphydryas editha		84154	insects	42884	42902
Laccifer lacca		33268	Formica		53432*	94656		52678
Leucophaea maderae		64249*	goats		72738	Isoperla grammatica		14954
Leucospis gigas		95292	Gomphocerus rufus		73865*	isopods	14467*	94751*
Lissorhoptrus oryzophilus		94857	guinea pigs	13404	41859	Labidura riparia		84210
livestock			Helleria brevicornis		83791*	Lecanium pomeranicum		23742
ratio			horses		61616*	Lepidoptera	53097*	64181*
reviews		92130	insects	5031	94032	105932*		105931*
Megaselia scalaris		43086*	94630	94642		Leucophaea maderae		64249*
mosquitoes		33223	Incisalia iroides		95500	Limothrips cerealium		43349
Murgantia histrionica		5426	Leucorrhinia dubia		106148	livestock	3029	30955*
Nasonia vitripennis		43210	Leucorrhinia rubicunda		106148	61738*	81838*	91984*
Papilio dardanus		14901	Megarhyssa		84086	Locusta migratoria		73864*
Pinus pinea		99850*	minks		104081	Loveridgacris		33448
plants			mosquitoes		64066	Lycosa chaperi		105550
9509	18684	18854	Musca domestica		73666	Melophagus ovinus		33206*
27647	27682	27700	Odonata	43360	43362	minks		82419
48554	58412	68523	Pectinophora gossypiella		64216	mites		63861*
89154	99941	99985	Pedipalpada		105571*	Odonata		53554*
102666	9425*	18493*	Perlidae		14944*	Phalix titan		73708
27464a*	47763*	68503*	Phaenopria popei		23790	Phlebotomus bahiensis		5317
78194*			Pieris rapae crucivora		106021*	Pieris		95387
reviews	18657*	48229*	Platypus sulcatus		63968*	Plecoptera		14944*
Porthetria dispar		53488	Plusiinae		43243	poultry	4184	22483
poultry	22666	41883	Podura aquatica		33506*	82543	93389	22591*
31853*	52162*	93510*	poultry	4050	13439	diseases		4190*
determination		93389	Psylla pyricola		5386	parasites		41972*
ratio	31760*	41897*	rabbits		93550*	Pseudaletia separata		95439*
Prodenia litura		14845	Rhamphomyia		105719*	Pyrgomorphini		106086
Psychodidae		23683*	Rhamphomyia anfractuosa		105720*	Pyrgus alveus		105913*
Pyrrhocoris apterus		95248*	sheep	52357	52379	rabbits	72701	104534
rabbits		32152*	61616*	93580*		rats	31720	31748*
sheep	82840	93640	Simuliidae		5335*	Rhinotermitidae		33512*
52367*			Smerinthus ocellata		106016*	Rhizotrogini		43014*
Sitophilus granarius		63966	Smerinthus planus		106016*	Scutellerinae		84045
Sphecius speciosus		95328	spiders		94684	sheep	32188	32189
spiders		53204	swine		42235*	32249*		93635
swine	13805	82891	Trichoplusia ni		73839	Sphaerophoria menthastris		73681
63248*	104891*		Sex organs			Sphaerophoria taeniata		73681
Tabanidae	5296	53303*	Abrecta ferruginosa		64119	Sphyracephala hearseyana		105745
Tabanus shannonellus		95060*	Acipitilia xanthodactyla		23872*	spiders		53175*
Thysanoptera		95646*	Aedes aegypti		43135	Spindasis		23831
Xyleborus compactus		94855	Aedes stimulans		14706	swine	52514	72922
Sex attractants			Agriotes		42995*	82999	22890*	22982*
Bombyx mori	32976	53114*	Amphimallon majalis		5180	diseases		63258*
chemistry	94613*	105516	Anisops bouvieri		53394	Syrphidae	43060	43064
Diabrotica balteata		63918	Blattella germanica		14928*	Tephromyia		105776*
			Bombyx mori		53097*			

\*Text of this reference is not in English.



Item				Item				Item			
Sex organs-- Cont				Sheep-- Cont				Sheep-- Cont			
Thelmatophilus			42994*	breeding--cont				breeds--cont			
Tipulidae			23658	hybridization	22751	22815		Karakul	4311*	4316*	4325*
Tribolium castaneum			33083		72758	82744	104560	4435*	13639*	13717*	22754*
Tribolium confusum			33083		57043*	63032*	107102*	22763*	22764*	32185*	32263*
Vespidae			95350*		Albania		32202*	42202*	72756*	72762*	93596*
Shade trees	1873	59680	27024*		Arkansas		13637	93680*	104591*	106874*	107639*
Australia			57636		Australia		82754	Karayaka		32171*	104558*
California		1827	1836		Bulgaria		63116*	Karaman			93570*
conferences and congresses			1851		Great Britain		42123*	Karnobat			42123*
culture	59742	79586			Hungary		42127*	Kent or Romney Marsh			63018
	19945	59706	59728		India		93590	Kirghiz Fine-wooled			52370*
79552	79612	90411			Poland		4311*	Kivircik		52385*	104589*
diseases	266	8912	77514		72727*	72760*		Kuibyshev		42140	72766*
99190					Portugal		82735*	Lacaune		22752*	42133*
fertilizers		2372	2452		Sweden		72759*	Latvian Blackheaded			32197*
pest control	266	73329	77514		Turkey		104558*	Lecce			52374*
pests			4908		USSR	4319*	42135*	Leicester			22857*
planting	1821	10695	79555		93579*		82758*	Leszczynska		32187*	32218*
79617					Yugoslavia		32191*	Lincoln Longwool			85592
policies and programs			1818		inbreeding		104572	Lithuanian Blackheaded			42123*
pruning			90400		India	13636	42140	Meat-Wool Lustre			93579*
spraying and dusting		266	77514		63027	93581	63023	Merino	4315	4357	6667
varieties	1866	1874	39220		Italy		72729*	22772	22773	32227	34604
101275	101284				Japan		63022	63042	65353	72733	72808
Shaft louse SEE Menopon gallinae					Latvia		22757*	82796	85643	93583	93646
Shale		49899	80268		linebreeding		32197*	93659	6644*	13629*	22994*
Shale oil			70545*		Maine		52363	52362*	82734*	82735*	107192*
Shallots		10934	79647*		Mississippi		72720	Mountain Merino			42135*
Share farming		45847	56408		mountain areas		63093	Mutton Merino		22756*	32178*
Colombia			67026*		New Mexico		72892	42127*	72755*	93567*	104672*
France			108580*		New Zealand		72757	Navajo			82744
Illinois			8001		Norway		52384*	New Zealand Romney Marsh			
Italy	87085	7886*	16783*		Oklahoma		81670	42140	72746	82742	82752
	35911*	45765*	45829*		Peru		52380*	82761	93590		
	56399*	56480*	56484*		Poland	42129*	72743*	reviews			32174
	86989*	87105*	87237*		93589*			Nilgiri	42140	63149	93590
	97908*	108143*	108453*		research methods			North Country Cheviot			63018
Michigan			56465		statistical		92238*	Old Norwegian		52415*	72722*
South Dakota		76475	87241		Rumania	63034*	63080*	Palas Merino			63034*
Shear press test		34707	44588		seasonal	32308	82847	Peppin	4337	93574	93610
Sheargraph			11177		22749*	32172*	32266*	104572			
Sheath rot SEE Posthitis					Australia		13621	Polish Improved Mountain			104577*
Sheds	74252	95972	33883*		USSR	72763	93572	Polish Longwool		4365*	4366*
53895*			43653*		Sweden		22764*	Polish Merino		4322*	4323*
Sheep	32306	71846	72803		Tasmania		52382*	4332*	32214*	32218*	52377*
abnormalities			4307		Turkey		104567	72727*	72753*	72760*	104578*
adaptation	4315	12627	4317*		USSR	22747*	22759*	Polled Merino			52358
	32178*				63017*	72782*	93596*	Polwarth			104568
age	13747	52371	63022		Utah		82731	Pomeranian			104576*
	82840	52415*			Western States		104590	Prealpes du Sud			22870*
anatomy and physiology			13625		Yugoslavia		4332*	Preanger			4307
	22775	52460	63134		breeds	22788	63029	Precoce		22762*	32178*
	82767	93583	93649		82840	104567	31118*	Rambouillet			82731
72756*	72766*		52478*		42137*	52373*	52382*	reviews			72732*
and disease			4372		Askaniian Rambouillet		82758*	Romanov	4313*	42202*	72785*
as laboratory animals			82833		Australian Merino	13621	13623	Romnelet			4321
associations	42223	42224	72723		13625	13630	13749	Sardinian			32175
72891	104734	72885*	86113*		22766	42131	52390	Scottish Blackface	4308		4310
Australia			82730		72734	72736	72747	42130	52486		
breeding	13628	13631	22746		72769	82732	82754	Semi-Fine-wooled			82760*
	32199	72752	72758		93592	92612	93643	Somali			52467
	103483	104570	104582		104559	104575	104628	South Australian Merino			93574
13706*			104584		Awasi		104719	South African Merino			72765
Africa			31118*		Balbas		52385*	75112	72792*		
Albania			93580*		Bark		52441*	Southdown			82738*
Argentina			72751*		Bikaneri	42124	52376	Spanca			32190*
Australia	13630	32184	42131		Blackface		104561	Stavropol Merino			93581
52364	82739				Blackhead Persian		93712	Suffolk	82759	104563	32178*
Bulgaria		82760*	93567*		Border Leicester	13621	82754	Swinarka			32187*
Chile			32178*		Bozakh		42135*	Tadzhik			4314*
China			63026		Cheviot	32183	42151	Targhee			82731
Colombia			82734*		Chios		52385*	Transylvanian Merino			93585*
effects of age	22766	72735			Clun Forest		22765*	Tsigai	4317*	22765*	32191*
104571*					Columbia		82731	93595*			
effects of feeding	4349	13649			Comiso		32193*	Turkish Merino			104558*
32219	93619	104594	104622		Corriedale	42124	63022	Valachian		22755*	25201*
32186*	32218*	63054*			63031	72724	63019*	Vyatka			22759*
effects of hormones		13626			Dorper		52360	Welsh Mountain		22795	93668
		32181			Estonian Blackheaded		72754*	104574			
effects of housing			64601*		Fine-wooled	4319*	4320*	Wiltshire Horn			22770
France	82738*	82762*	93575*		32195*	82758*		Wurttemberg Merino			52369*
Germany			93598*		Herdwick		52387	Zackel			4311*
East Germany	4325*	104564*			Hungarian Combing Wool Merino		72748*	carcasses			104560
Great Britain	52371	104583			42127*	72740*	72748*	analysis and composition			13655
history	63029	87925*			Ile-de-France		72748*	13697	52474	104772	
Hungary		22769*						grading and standardization			4439
								judging		7612	25944

\*Text of this reference is not in English.

	Item				Item				Item		
Sheep-- Cont				Sheep-- Cont				Sheep-- Cont			
carcasses--cont				estrus	4368	22809	32158	feeding and nutrition--cont			
quality	13697	32303	35082	42189	72736	72803	82791	pasture and range--cont			
82862	82887	97921	103353	82792	82799	104663	13707*	Canada			22779
104733	4438*	22868*	32214*	32245*	32266*	63156*	93644*	France			22869*
reviews			103885	93659*				Germany			4339*
weight and measurement			82735*	evolution			42227	East Germany			104605*
yields		32311	104719	exercise		63081	63082	Great Britain	13653		22787
care	32199	52004	52366	farms and ranches			32302	Ireland	22788	72016	93668
93651	22754*			Australia			97939	Greece			20969*
Australia		6621	52364	Israel			22862*	Hungary			104601*
Florida			63168	management	4368		4453	Iceland			63045*
France		22869*	104743*		76243			Ireland			32215*
Great Britain			82861*	Australia		7092	7640	Japan			72770
Hungary			104744*	7907	7909	32184	52426	Nebraska			32217
Iceland			63045*	97921	97922	104623		New Zealand	13655		72775
Italy			82879*	finance		7639	7640	48067	52473		
Maine			52363	France		22752*	32312*	103537	103561		
Montana			93704	Germany				Republic of South Africa			72792*
Northern Ireland			13748	East Germany			4437*	reviews			13658
Norway			82880*	Great Britain			32283	Scotland	4340		72774
Oregon			42222	Hungary			13751*	Sweden			13652*
Pacific Northwest			32309	India			32308	USSR	72785*		104618*
Republic of South Africa			52360	New Zealand	16558		32217	Poland	63053*		92332*
seasonal	4448	52489	22867*	35834	35836	108476		Republic of South Africa			32203
Sweden		13696*	13734*	Northern Ireland			26762		22824*		
USSR		4316*	72762*	Sweden			56588*	restricted feeding			72512
Washington			63172	USSR			72782*	72835	72862	104645	13689*
China			104746*	New Zealand			97829	seasonal			63055*
color	104572	13734*	42219*	Peru			97812*	Australia	32219		52405
52415*	52471*			Poland			42221*	Germany			
conferences and congresses			103400	USSR			104591*	East Germany			104605*
contests	4443		32303	Wyoming			87179	Hungary			104601*
cooperatives			13750*	feed relationships		13653	22787	Mississippi			63041
costs and returns			72742	32216	52392	52393	72512	Nebraska			72770
Australia			97921	72769	103561			Poland			4336*
Estonia			72896*	feeding and nutrition	4362		13640	Republic of South Africa			72789
Finland			16901*	13650	13654	13656	13719	104619	104620		
Great Britain	7931		76455	22775	22781	32204	32265	Scotland			52389
Hungary	104744*	104745*		42151	42156	42196	52394	USSR			72785*
Maine	45941	76459		62123	71987	72788	72847	Southern Rhodesia			93712
New Zealand	16558	45911		72872	82767	82793	82810	Sweden	32213*		52399*
Northern Ireland		76400		82839	93606	93609	103530	USSR	63017*		72782*
Norway	35920*	97965*	97968*	104616	104617	4335*	4348*	United Arab Republic			4397
Rumania		93711*		72781*	82058*	82788*	93607*		4413		
Scotland		87196		Argentina		32205*	63040*	fertility	4327	4329	13623
Sweden	56588*	108515*		Australia	4351	6621	13741	13624	13625	13632	13635
Wyoming		87179		13742	13749	34488	52395	13636	13638	22809	42132
credit		66420		72060	72786	104606		52359	52365	52470	72726
culling	13622	93600	74004*	Bulgaria	52396*	82775*	104603*	72733	72736	72757	72768
cytology	13675	104653	104702	104610*	104613*	104788*		82737	82755	93582	93592
104730	52464*	63125*		costs		7941	42153	93598	104581	104622	104663
deficiency diseases	4393	22801*		deficiencies		13646	32253	22753*	22768*	31132*	32218*
digestion	32216	32222	63081	41495	52393	63042	104631	82750*	82756*	104564*	
63090	72043	72784	82818	feedlot	4453	22101	22102	flockbooks		42139	82730
82855	82859	93671	93697	Australia		52392	52393	Australian Merino			72719
103895	104625	104664	104726	California			52401	Border Leicester			93593
104729	4418*	22823*	22827*	France		13643*	104743*	Cheviot			93571
22842*	42178*	52349*	72781*	Germany			63052*	Corriedale			52356
82814*	82830*	82858*	93553*	Great Britain		42146	93603	Dorset Down			93573
93622*	93645*	104788*		93604	93624	93667		Dorset Horn			63016
dipping	32251	105107	83277*	Illinois			93611	Estonian Blackheaded			32177*
diseases		32248	93634	in pregnancy		4333	13651	Hampshire			22744
control	32283	52437*	72743*	52468	63042	72863	82774	Kent or Romney Marsh			42134
72845*				82777	104566	52404*	63050*	Leicester	22758		63024
eradication			92007	82779*				Lincoln Longwool			72744
Great Britain			22825	India			42152	Oxford Down			22767
India			22851	Italy			82879*	Polwarth			32194
prevention			32231*	Latvia			31161*	New Zealand Romney Marsh			72750
reviews			3534	mountain areas			72772*	South Devon			22771
Sweden			13696*	Netherlands			82915*	Southdown			82757
treatment			42173	New Zealand		13660	42147	Suffolk			93594
ecology			4449	72776	104597			Wensleydale			72764
embryos	13685	42193	72844	Norway		22867*	82880*	France			42220*
104566	104689			Oklahoma			81670	fur production			4311*
anatomy and physiology			22810	Pakistan		22782	42150	52383*	72756*	82748*	104591*
42205	62348	63042	72799	pasture and range		2551	22774	genetics	4307	4326	22855
72840	93842	4435*	82798*	23153	31218	47683	52390	52359	63022	72724	72728
93665*	93698*			52483	63047	63100	82784	72734	72767	82744	93569
disease resistance			13691	93610	93625	93691	103572	93588	104572	32191*	42122*
diseases		104705	63066*	103895	63043*	93632*		42143*	52383*	104574*	
growth			63098	Australia		568	1266	reviews			72731*
mortality			104662	4334	13659	22778	50038	grading			13633
parasites		52430	32285*	52391	52405	52406	52417	Great Britain			31030*
viability			93665*	72794	79348	93572	93601	growth	13655	42151	82768
equipment			73955*	93602	93605	93614	93620	82835	22764*	32190*	63102*
				93708	104623	104664	104665	104709*			

\*Text of this reference is not in English.



Item				Item				Item			
Sheep-- Cont				Sheep-- Cont				Sheep-- Cont			
growth--cont				metabolism--cont				predators--cont			
reviews	32174	103885		42196	42468	52433	52447	Australia	4440	13744	82865
habits and behavior	4310	4372		52484	63082	63094	63112		82869		
22780	32183	62123	72328	72788	82769	82782	82812	pregnancy	4369	4378	13663
104643				82823	82837	82838	82851	13691	22781	22838	24246
hearing		32300		82855	82859	93653	93667	42186	52433	52448	52468
history		13639*		93691	103316	104639	32226*	62667	63094	63133	63149
Australia	7089	7092		52402*				72862	72863	82876	104635
Bulgaria		82875*		milk production	22786	42148*		104637	104645	63050*	71684*
Norway		22857*		106874*				73013*			
Ohio		65819		effects of breeding	52369*	93568*		reviews			104222
Republic of South Africa		22872		Australia		52390		prices		86197*	107655*
housing	13741	22842	24210*	Czechoslovakia		22755*		production regions		97071	26962*
Australia		64598		France	22752*	42133*		products			45005*
Germany				reviews		72881*		records and testing		32304	104747
East Germany		73955*		Turkey		52385*		Australia		13624	93666
Great Britain	33840	53914		effects of drugs		93630*		France			72895*
84668				effects of feeding	52390	72780*		Great Britain	52485	93600	
Ireland		24246		reviews		72881*		Iceland		72894*	
Latvia		24224*		effects of milking		22870*		Indiana	52490	82872	
New Zealand		106458		France		72895*		Norway		72890*	
Norway	22867*	82880*		Hungary		82863*		Poland		72895*	
Scotland		15306		USSR		22763*		Sweden		93706*	
hybrids	34988*	104562*		milking		72780*		reflexes	22797*	22798*	
Iceland	40727*	52491*		milking equipment		74003*		regulation and inspection			55480
identification	4441	13747		mortality		93651		research methods			93714
52378	52492	85649	104575	mountain areas	13646	32283		statistical			72866*
104692	104737			multiple births	13623	13685		research programs			97075
immunization		72827	63155*	22845	42207	63094	72736	respiration	22795	22796	42124
indemnities		72879		72778	82761	4313*	32172*	13717*	42202*		
industry	76243	82874	86091	42129*	42148*	72807*	72875*	respiratory diseases			42203
92707				72877*	72878*			restraint			104660
Australia	7094	7105	7112	New Zealand		42139		sanitation			13715*
13745	79856	83269	55397*	Norway	31523*	82871*		selection	4309	4318	13622
Canada			7108	Ohio		22861		32198	52372	82744	104560
European Economic Community				ovulation	104649	104689		104582	32192*		
France	16185*	42226*	16185*	parasite resistance		63030		Argentina			72751*
Germany			72885*	parasites		42181		Australia	13633	13634	42138
Italy		93709*		Australia		72830			63021		
Missouri		52488*		Brazil		93679*		Poland			93586*
New Zealand		92126		Norway		93677*		USSR			42143*
Ohio		25813		control	72849	72859	4375*	shearing	22795	63170	75103
Oregon	4451	72893		13671*	63113*			82868	93599	104738	104740
infectious diseases	13679	32234		New Zealand		42215		106458	4411*	4446*	24059*
63162*	63261*	104721*		Norway		82811*		93644*			
injuries	63103	93664	104687	Scotland		42332		Australia	22871	63167	64598
Italy			34967*	Sweden		52444*		72887	93651	95972	104628
judging		32301*	45068*	USSR		104712*		Florida			104739
labor	7712	76058	35534*	transmission		52430		New Zealand		13660	13753
76083*	108196*	108203*	108209*	parturition	4368	4369	4387	106458			
lactation	4369	4393	13728	15306	32271	72821	72863	Tasmania			52494
22781	52433	72862	93667	82799	93572	104685	63080*	Utah			82866
93668	63052*	63155*	82863*	63261*				shearing equipment	33617*	84395*	
93632*				pest control	14002	23153	63131	shelters	5928	52486	53912
legislation		8093	8112	83263				24244*	43773*		
losses	63167	72827	104708	Australia	4748	14046	14060	shows	52358	72765	72886*
62360*				32679	42433	73164	105133	situation and outlook	55417	34988*	
marketing	55480	65856	7157*	chemical		63465*	83277*	Australia			34971
97108*	97115*			Germany				Belgium			25821*
meat production		32305	52357	East Germany		52787*		Denmark			16189*
4438*				New Zealand	14039	105107		Florida			34974
Australia		32184		Republic of South Africa		14008		France	25817*	25822*	55420*
effects of age		52398*		pest resistance	23156	32705		Italy			97067*
effects of breeding		13637		pests	4739	105120	94081*	New Zealand			16188
52372	72721	104560	104563	Australia		14047	83269	Poland		34968*	65802*
104733				Bulgaria			105124*	Virginia			75507
Australia	82754	104719		Poland			53195*	slaughtering	72879	72897	82761
Bulgaria		42123*		Sweden			4727*	82862	104686	32263*	
Portugal		82735*		USSR			94138*	New Zealand		13743	82755
Rumania		63033*		poisoning	4403	13665	13688	statistics			107697*
USSR	4313*	22762*	52362*	13719	13731	22834	52445	USSR	22873*	93692*	
72766*	82743*	82749*	82758*	52470	52479	63067	63077	South Carolina			82877
Western States		104590		63087	63131	63140	63164	Spain			22865*
effects of drugs		63102*		63165	72196	72850	72870	statistics	7226	35140	45095
effects of feeding	82768	22776*		91931	93687	104677	13703*	65964	25998*		
42160*	52398*	82743*		63122*	93309*			stud books			42144
Italy		93715*		Australia			52435	study and teaching			22746
Japan		52495*		Great Britain			31276	subsidies			65856
Poland		93705*		India			63147	surgery	42163	42172	72726
USSR		32263*		treatment			31392	93640	104631	22797*	63114*
mechanization	95728*	108209*		policies and programs		86096		72831*	104670*		
metabolism	4354	4355	4362	97052	44990*	72743*	86112*	Sweden	4442*	13752*	52471*
4364	4394	4397	4413	polled		72734	93588	56376*			
4415	4429	13663	13692	Portugal			22865*	temperature	13716	32298	82859
22775	22781	22810	22839	predators		22864	72898	104628	4411*		
32222	32238	42156	42163	Argentina			72448*	trade			22857*
								Norway			

\*Text of this reference is not in English.

	Item			Item			Item	
Sheep-- Cont			Sheep's milk-- Cont			Shrimps	14106	68009
transhumance	22779	63169*	bacteria	34318*		Shrubs		101331
transportation		72811*	chemistry	85276		anatomy and physiology		18530
types	4318	13637	contamination	42468		18548	27998	28251
72892	73079	4320*	feed	93618	93695	50868	68839	89753
32179*	32180*	42129*	22776*			100559	102606	38388*
meat	72721	32191*	processing	85276		89328*	100159*	
Poland			products	54656*		breeding	20070*	39282*
Rumania			quality	54528*		California		57622
Uruguay			Sardinia	45005*		Colombia		77329*
vices			tests	54551*	54528*	control	50778	61092
virus diseases		3259	USSR	106874*		culture	61049	90422
watering	52461	104593	whey	54488*		59689*	101323*	101345*
104618*			Sheep's milk cheese			desert areas		46771*
watering equipment	33626*	84384*	adulteration	34340*		directories		81180
weight and measurement		13628	analysis and composition	44299*		diseases	8944	17936
42124	52368	52410	fat	24806*		68073	88657	
93717	103353	32171*	Italy	24753*		drought resistance		50868
52369*	52377*	82749*	manufacture	24973*		dwarf		19990
wool production		13628	Sardinia	45005*		ecology	27392a	37582
32305	32310	42130	tests	34340		27393a*	89328*	
104653	104687	104738	trade			fertilizers		70591
4411*	72861*	93599*	Italy	24753*		France		20691*
93702*			Shekarus n g	23616		fungus diseases		39174*
Australia	4447	4454	Shell SD-4294 SEE Ciodrin			germination		99293
13746	82870	93612	Shell SD-4402 SEE Telodrin			hardiness	10757*	102606
costs			Shell bark			hybrids		68967*
effects of age	72722*	72866*	lemons	99440		identification	10861	39282*
104672*			Shells	93133*		Illinois		98929
effects of breeding		4326	Shelterbelts SEE Windbreaks			irrigation		46866
42158	52376	82752	Shensia n g	105617*		Massachusetts		70707
82753	93616	104566	Shepherds	108203*		Montana		20098
13629*	22756*	32192*	Sherry	24638*	24693	morphology	58218	67854
72722*	72866*		24638*	34256*	85171	nematodes	27362a	68430*
Albania		93595*	Shifting cultivation		96296*	New York		77955
Australia	13638	82732	27005	2869*	8028	New Zealand		36827
82754	93574	104559	SEE ALSO Forests, and agriculture		50544*	Norway		77342
Chile		72755*	Shigella	62401		pest control	17936	28251
Estonia		72754*	Shigella equirulis SEE Actinobacillus			94465	18043	20047*
India		63023	equuli			pests	33293*	73280
Italy		52374*	Shigella viscosum equi SEE Actinobacil-			propagation		83543*
Poland	4322*	32187*	lus equuli			statistics		101355*
reviews	72731*	72732*	Shiia sieboldi SEE Castinopsis cuspidata			varieties	101359	107992
Rumania		63033*	Shikimic acid	59083	86516	weed control		101345*
Scotland	4308	42126	Shikimides		59056*	Sialic acids	100589	101563
Turkey	32171*	104558*	Shingles		78954	Sibbaldia		103849*
104589*			Shipping fever	13024	62366	Siberian fir SEE Abies sibirica		99811*
USSR	4320*	32180*	103903			Siberian larch SEE Larix sibirica		
32195*	42143*	52362*	buffalo	62256	103688	Siberian peashrub SEE Caragana arbo-		
72718*	72766*	82758*	cattle	51929	51943	rescens		
Uruguay		63019*	prevention	3572	3608	Siberian pine SEE Pinus cembra sibirica		
Western States		104590	transmission		41607	Siberian Swiss stone pine SEE Pinus		
effects of disease	42167	63059	USSR		41643*	cembra sibirica		
72860	63143*	64144*	causes		41676	Sideoats grama SEE Bouteloua curtipen-		
effects of feeding	4338	4343	control		103826	dula		
4349	4352	32208	horses		103688	Siderasis SEE Tradescantia		
44471	82770	93610	Illinois		62395	Sierozem soils		101652*
104566	104612	104617	immunization	41606	62256	Silage		
Australia	52406	72769	Poland		72219*	alfalfa	3445	71677
Estonia		72754*	treatment		62399*	analysis and composition		103116*
USSR		63056*	vaccines	3572	62256	nutritive value	41529	81641*
effects of shearing	104748	82864	82267		62365	51760*		82133
effects of temperature	93701		Ships	14251	94438	preparation	12517	81698
93708	93713	93717	SEE ALSO SUBHEAD by water UN-			21757*	51411*	91867*
Germany			DER Transportation			103104*		
East Germany		4452*	Shizukoa		95078	reviews		21769*
Iceland	42219*	63166*	Shock	22419	31628	quality	25079	84517*
Republic of South Africa		6644*	72518*	4555*	41775*	analysis and composition		22115
reviews	32174	72818*	SEE ALSO Anaphylaxis			22911	34477	65238
Rumania		93711*	Shope fibroma		22735*	75056	82091	85524
seasonal	52376	82860	Shope virus		13616*	103125	6560*	12478*
United Arab Republic		82878	Shorea	2914	17745	34492*	34498*	41484*
SEE ALSO Dual-purpose sheep;		52368	Shorea albida		91617	52396*	54708*	54722*
Lambs; Rams; names of anatomical			Shorea robusta			85535*	96703*	103116*
parts, body fluids, diseases and			culture		81152	Astragalus sinicus		30787*
other pathological conditions, op-			cutting systems		30290	Australia		103138
erations, parasites, pests, and prod-			ecology		47686	bacteria	25079	30800
ucts			injuries		40684	barley		41246*
Sheep biting louse SEE Bovicola ovis			seedlings	30413	81152	beans		31235*
Sheep bot fly SEE Oestrus ovis			wood	41045	81572	beet tops	21783	51697*
Sheep chutes		74004*	Shortening	45178	107702	beets		15187*
Sheep ked SEE Melophagus ovinus			Shortleaf pine SEE Pinus echinata		107704	Brazil		82117*
Sheep pox	22794	32229	Shot-hole			broadbeans		103088*
82843*		82842*	peaches		57992*	Bromus inermis		3074*
Sheep's milk			Shot-hole borer SEE Scolytus rugulosus			Bulgaria		72927*
analysis and composition		97083	Shoulders	72204	52107*	care and handling	5687	53766
54506*			Shows		56769	74265	91832	91864
			SEE ALSO Fairs; and UNDER specific		56881	clover	51416*	51701*
			subjects					

\*Text of this reference is not in English.



Item			Item			Item		
Silage-- Cont			Silage-- Cont			Silage-- Cont		
contests			nutritive value			quality		
corn	3099	18939	22070	22081	22519	72000*	3465	12495*
62122	79144	82130	22911	41493	22103	81675*	81695*	95893*
87183	91046	97967	52207	61648	41537	103099*		
103553	3424*	3462*	103552	3423*	62124	Rumania		91895*
22049*	28547*	32366*	12533*	12879*	91860	Sweden		71627*
69548*	79822*		31188*	31210*	12528*	Switzerland	3072*	6553*
analysis and composition		30811*	41484*	41547*	31186*	red clover		12525*
Bulgaria	38780*	63192*	62111*	63052*	41240*	reeds		21807*
84540*		82903*	82555*	82775*	52396*	Robinia pseudoacacia		82775*
chemistry		103592	103600*		81671*	sainfoin		42255*
Florida		92285	Denmark		90866*	shows		12530*
Germany		65211*	Northern Ireland		51744*	sorgho		38861
East Germany		12522*	USSR		41519	sorghum	10491	79144
31184*	51747*	15153*	oats		62109*	100950	71641*	
Hungary		100799	peas		71630*	nutritive value		31217
Japan	28544*	90200*	Phacelia		3104*	103553		62116
New Jersey		91083	Populus euroamericana		30828*	preparation		12518
nutritive value		62116	potato vines		82775*	spoilage		41224*
72069	72087	82133	potatoes	41233	51411*	straw		61682*
103563	103592	103519	52547*	81659*	103104*	sugar beet tops		41499
22113*	30765*	30830*	analysis and composition		13775*	41518	12531*	3075
31235*	61653*	82039*	nutritive value		51444*	51710*		32218*
preparation		22082	72932*		41219*	preparation		61682*
91890	103112	12476*	preparation		3050*	sugar beets	12489*	15150*
12521*	15187*	22040*	12475*	13453*	3052*	51710*		51701*
41243*	71669*	71679*	71670*	81686	41202*	sulla sweetvetch		30767*
91857*			preparation		41219*	Sweden		34498*
reviews		24285*	12492	15197	21802	Switzerland		31156*
quality		25079	33523	41249	51785	transportation		5950*
Rumania		62133*	61664	91815	5950*	transportation equipment		24171
toxicity		3584	12483*	22093*	30822*	33606*	73989*	
USSR	12925*	93787*	41246*	41253*	41241*	USSR	72782*	82045*
corn cobs	32357*	32366*	51458*	54722*	71631*	91810*	92329*	82087*
corn stalks		71671	71650*	71655*	71679*	vegetables		61650*
costs and returns		61648	82814*	91841*	91866*	vitamins		31191
87183	97967	97991	103099*	103116*	103119*	waste		12523*
12527*		3510*	103145*		103130*	weight and measurement		23983*
Cynodon dactylon		12869	Australia		64497	wheat		28463
Czechoslovakia		61663*	Austria		91855*	Silage juice	11873	61640
digestibility	32204	62116	Belgium		81645*	81699*		30773*
30828*	52396*	61627*	cooperatives		21775*	Silene		58281
72781*	103116*	62288*	costs		71659	Silene cucubalus		767*
Egyptian clover		41206*	Denmark	41238*	82033*	Silene inflata SEE Silene cucubalus		
equipment		64448*	Finland		76046*	Silene pendula		68472
feed	12897	13650	Germany	41215*	41217*	Silenoideae		58328*
31212*	33750*	91864	71673*	71678*	81692*	Siler trilobum		98940
Finland		104789*	East Germany		81697*	Silica		
Netherlands		95765*	91858*	91898*	30819*	effects on rice		60427*
Norway		103595*	Great Britain	12491	21800	in barley		60429*
Sweden		84401*	61671			in cattle physiology		69051
fermentation		91842	hazards and safeguards		51837	in Elymus caput-medusae		31468
fish	12506*	32391*	Hungary	12523*	13450*	in grasses		38431
Germany			Iceland		95904*	in Molinia caerulea	37744	48059
East Germany		12524*	Indiana		21766*	in pulpwood		9969
13792*	42263*	103564*	Ireland		82774	in rice		71496*
grain	12517	43824	Isle of Man		71639	in shrubs		75026*
103103*	103146*	4522*	Italy	30804*	81637	in soils		48059
grass	13765	28654	Japan		51394*	80168	20438	20447
72094	82133	21803*	Latvia		30824*	70269*	90864	101699
100954*		41214*	Louisiana		21801*			70268
analysis and composition		65194	Mexico		41478			49737*
Germany		51729*	Minnesota		103140*			78596
East Germany		41247	New Zealand		61679	Silica gels	36636	26145*
Italy		30790*	Nicaragua		95905	cockroach control		61554
Netherlands		41503*	Northern Ireland	12515	30820*	household pest control		81874*
nutritive value	32204	91844*	71640	81639	22134	human pest control		105343
preparation	12507	30782	Northern Rhodesia			mite control		42551
51454	3070*	12525*	Poland		21754	Silicates	11257	49866
15187*	81689*		Scotland	81671*	81683*	80085	1043*	39745*
Great Britain		72063	Spain	72008	91819	Silicic acid	7026	10217
Hungary		62138	Sweden	12495*	30818*	101699	19083*	28241
Italy		19621*	41211*	51449*	30802*	Silicobacterin	39780*	48460*
labor	76046*	97654*	Switzerland		51395*	90940*		49777*
legumes	13765	61662*	USSR	3043*	12499*	Silicon		
loading equipment	43424	43444	72107*	85534*	3088*	in dog physiology		52061*
84341	95704	73989*	preparation equipment		104773*	in fats and oils		86288*
84302*			5827*		53760	in plants	19084	48219
Lolium		85524	Germany		74106*	47754*		18822*
losses	12525*	103519	Hungary		84558*			100473*
lupine		71635*	USSR	33753*	24134*	Silicon dioxide SEE Silica		
marrow cabbage		107102*	preservatives		84556*	Silicon fluoride		12262*
microorganisms	51418*	81668*	21757*	51411*	61643	Siliconates		7397
103087*			81679*	81685*	51416*	Silicones	34524	12707*
moisture		71668	properties		91867*	Silk		83718*
Netherlands		82047*	proteins		15336	analysis and composition		96728*
			pumpkins		51418*	chemistry	54921*	83702*
					82920*	consumption		105486*
						costs and returns		25183
								32978

\*Text of this reference is not in English.

Item				Item				Item			
Silk-- Cont				Silver fir SEE <i>Abies alba</i>				Simazine-- Cont			
discoloration	25218*	54921*		Silver iodide	37086	77557*		49436*	49446*	49469*	49477*
history		107183		Silver leaf				50780*	50810*	59990*	79800*
industry		54882*		plums		77694		79863*	79866*	90706*	101560*
irradiation	54800*	54801*		Silver maple SEE <i>Acer saccharinum</i>				101809*	102571*	102586*	
policies and programs		25178		Silver nitrate	16271	27293a	26145*	effects on apples			9999
prices	54850	65309	44475*		30859*			effects on corn		9571	37934
processing	25189	54800*	54801*	Silver top				38048	9913*	48262*	48263*
54849*	96737*	96738*		grasses		52892		effects on ornamental plants			39466*
production regions		25183		<i>Poa pratensis</i>		9134		effects on peaches			9999
properties	54886*	83695*	-83697*	Silverfish SEE <i>Lepisma saccharina</i> ; <i>Le-</i>				effects on plants			
proteins		53102*		pismatidae				reviews			38396*
quality		107151*		Silverleaf nightshade SEE <i>Solanum elae-</i>				effects on potatoes			70122*
reeling	53123*	83695*	83697*	agnifolium				effects on proso			9913*
105486*				<i>Silvestrius</i>		73510*		effects on raspberries			9677
research programs		96763		<i>Silvex</i>	10138	20314	39479	effects on trees			974
scouring		96741*			62336	101486	59927	effects on wheat	9913*		48263*
situation and outlook	96740	34563*		effects on aquatic life				78506*			
44475*				effects on plants		101508		in soils			21243*
statistics	44453*	94592*	107138*	Silviculture	12033	30303	40579	residual effectiveness			2036*
trade					60991	9310*	30294*	70191*			
Italy		44453*			50744*	81023*	81029*	Simondsia paradoxa			32728*
SEE ALSO Sericulture				Australia		61037	61049	Simuliidae			
Silk fibroin SEE Fibroin				Austria	91518*	91529*	99812*	Africa			14036
Silk glands	32981	94609	105491	Belgium			80997*	anatomy and physiology			14361
33325*	53109*	73462*	83682*	Canada			50704	73668*			
83683*	94587*	94616*		conferences and congresses			35660*	and disease	14004	14035	52768
<i>Antheraea polyphemus</i>		23483		35661*				83258*			
<i>Bombyx mori</i>	5023	23483		Czechoslovakia	91506	12029*		Angola		5218*	105692*
5025*				30287*	30291*			breeding places			14659*
Silktree <i>Acacia</i> SEE <i>Albizia julibrissin</i>				Denmark				Canada			5338
Silkworms	58402*	63802*	73452*	desert areas				Connecticut			95093
94614*				developing areas				control	14036		94040*
SEE ALSO <i>Antheraea pernyi</i> ; <i>Bombyx</i>				Finland	2902*	21112*		cytology	14591		33143*
<i>mori</i> ; <i>Samia cynthia ricini</i>				50691*	71189*	102552*		ecology	5218*		14622*
		33490		France		50601*	50715*	geographic distribution			5253
<i>Silo nigricornis</i>		33490		Germany	61113	91506	2784*	23655	14646*	43128*	
<i>Silo pallipes</i>		66445	43827*	12039*	21184*	21186*	30299*	habits and behavior	14036		33210
Silos		5950*	43831*	40589*	47661*	61014*	61044*	5335*			
bunker	74265		74258	61051*	71017*	81102*	102563*	identification	5337		14591
concrete			64679	East Germany		2767*	12027*	Italy	23691*		83983*
conferences and congresses			30820*	Great Britain			61017	larvae	5337		83934
construction	64672	84723		history	17305*	30295*	91508*	23653*	73668*		105711
74255*				91521*	91533*			migration			73668*
Georgia		74257		Hungary		50723*	50753*	mountain areas			83983*
Germany		84716*		Japan	81005*	81019*	81065*	nematodes	64035	95109	43105*
Senegal		96058*		Latvia			50760*	New Zealand			23655
Sweden		43820*	43831*	Malaysia			50732	Nigeria			4698
costs	74258	15332*		Mexico			97786*	nutrition			105711
43835*				Netherlands			50730*	outbreaks			23657
equipment	84341	6967*	12508*	New Zealand		12016	21247	Paleartic Region	5291*		43085*
84302*				Norway		30198*	40518*	Poland	43130		95118*
Finland		43818*		Philippines			50728	populations	5254		14622*
Germany		5827*		Poland	21197*	30286*	30309*	Portugal			105691*
hazards and safeguards		33523		50777*	61015*	61021*	71074*	rearing and breeding			95031*
industry		64675		81000*	81012*	89030*		Sicily			83983*
marketing	64674	64678	64676	Republic of South Africa			30183*	Tahiti			43065*
plastic	15340	106498	15342*	Rumania			2783*	taxonomy	23655	95093	23653*
54023*	91858*	91898*		Scotland			81020	43065*			
portable			96061*	Spain			40598*	Western States			95094
reviews			24285*	Sweden		40524*	61045*	Wisconsin			64035
stack			54030	Switzerland	60950	91505	50709*	Yugoslavia			43128*
steel			84722*	Taiwan			2769*	Simulium			
tests			15336	terminology			50706*	and disease			4725*
tower	43819	71659	5951*	Tropics		71146*	71147*	biology			23679*
43831*	84302*			Tunisia			81034*	cytology			33182
trench	33921*	43835*	54031*	Turkey		71139	2777*	France			83942*
74260*				USSR	81030	12034*	40576*	Malagasy Republic			64009*
types		33926	54026*	40587*	40591*	50621*	50750*	oviposition			23657
Bulgaria			84540*	71159*	102533*	102540*	102551*	Paleartic Region			5291*
Czechoslovakia			33923*	102753*				pupal cases			43090
France			15332*	SEE ALSO Forestry; Forests; Refore-				rearing and breeding			95031
Georgia			74257	estation; Tree farms; and names and				Upper Volta			23679*
Germany				classes of trees				Simulium adersi			23679*
East Germany		103099*		<i>Silvius</i>		23692*		Simulium albivirgatum			4725*
Great Britain		43824		<i>Silybum marianum</i>		51920*		Simulium anatinum			5338
Michigan		74258		<i>Simaethis nemorana</i> SEE <i>Anthophila ne-</i>				Simulium aokii			4671
Netherlands		5949*		morana				Simulium arcticum			23657
Sweden		74262*		<i>Simaethis pariana</i> SEE <i>Anthophila pari-</i>				Simulium cholodkovskii			94113*
Silphidae	83843*	83863*	94875*	ana				Simulium damnosum	4698		5253
94877*	94878*			<i>Simarubaceae</i>	28293	89807	77298*	52822	83239		
<i>Silphium asperrium</i>			77362	Simazine	2056	2199	11009	Simulium equinum mediterraneum			
<i>Silphium integrifolium</i>			77362	11070	11338	20285	30317				83942*
<i>Silphium speciosum</i>			77362	39475	39569	49408	59913	Simulium janzi			5218*
Silt SEE Sedimentation				60007	60015	70172	80110	Simulium japonicum			43090
Silvanidae SEE Cucujidae				101495	101584	101591	11125*	Simulium neavei			52822
<i>Silvanus surinamensis</i> SEE <i>Oryzaephilus</i>				12053*	12070*	20259*	20280*	Simulium ornatum			73637
<i>surinamensis</i>				21222*	29185*	29281*	29336*	Simulium ornatum nitidifrons			95031
Silver		82557									

\*Text of this reference is not in English.



695

				Item					Item					Item		
Situation and outlook--Cont					Slaked lime SEE Calcium hydroxide					smokejumpers SEE Aircraft, in forest						
United States--cont					Slash				4906	91687*	fire control					
35716	35730	45441	45621		control					61062	Smonitza soils SEE Grumosols					
45663	45670	56233	56266		Germany					51300*	Smooth brome SEE Bromus inermis					
56268	56324	56328	66599		packing					81307*	Smudge				77837	
66605	66653	66675	66716		removal					81112	Smut					
76100	76101	76129	76136		removal equipment					102603*	corn				58031 88698	
76146	76164	86800	86811		transportation				61402*	81343*	grain				88743	
86814	86827	86862	86880		Slash pine SEE Pinus elliotii						oats				37295	
97697	97741	97785	108228		Slaughterhouses						onions				18231 37331	
108261	108264	108268	35610*		Austria					61925*	rice				9147 9148	
45657*	56327*	97706*			construction				21948* 51618*	103406*	sorghum				8851 79207	
Vietnam			45746*		cooperative					65908*	sugarcane				58007 68197	
Virginia			76217		designs and specifications					72333	wheat				18103 37317 68221	
Western Hemisphere			56344		France				41394* 81916*	81919*	reviews				18198	
Yugoslavia	56298	56300	7761*		107628*						Smut fungi SEE Ustilaginales					
66579*					Germany				3319*	65946*	72574*	Smutgrass SEE Sporobolus poiretii				
Sium latigugum oil			86328		East Germany					31046*	92136*	Smynthuroides betae				5378
Six-spotted leafhopper SEE Macrosteles					Italy						51625*	Smynthurus viridis				105191
fascifrons					Lebanon						30903*	Snails				68009
666 SEE 1,2,3,4,5,6-Hexachlorocyclo-					Netherlands				31062* 71873*	71874*	and disease				30957 77829 81716	
hexane					regulation and inspection					86214	61901* 103250* 103646*					
Size (textiles)		26020	54853		Rumania					81901*	as food				97517	
Skeleton	91957	91904*	104752*		sanitation				3144 4884	71875*	as pests				77587*	
buffaloes			3644		92049* 93373*						bibliographies				77531*	
Chilopoda			73517*		Sweden					12773*	control				23371	
Limnephilus			33514		Slaughtering				7173 35057	12768*	30832 57768 84804				291*	
mice			82510*		21951* 91941* 103223*						8906* 17933* 57810*					
Papilio demoleus			5549		Canada					86201	Florida				63340	
swine		63188	4595*		Denmark					86151	in weed control				70158	
Skeletonweed SEE Chondrilla					equipment					22295	parasites				23702*	
Skepperiella			99125*		Finland					92015*	pests				5281 43051 53337	
Skepperiella populi			99125*		France				86168*	103403*	Snakes				103163*	
Skeps SEE UNDER Beehives					Germany					31067*	Snapdragon SEE Antirrhinum					
Skin	12624*	62605*	92877*		East Germany				21809*		Snout beetles SEE Curculionidae					
cats	13233	13302	31622		75598*						Snow				49614 11185* 50054* 79968*	
92756	52063*	72443*			humane				81909*	91986*	101664*					
cattle	51865	51900	62315		Hungary				31057*	81910*	California				60296 91025	
92393	92420	92581	3451*		in folklore				62451	92639	Canada				99739	
22029*	31371*	41576*	62176*		kosher					3328*	conferences and congresses				20836	
62295*					Netherlands					30965*	effects on Apis mellifera				32970	
chinchillas			3935		Nevada					35049	effects on buildings				33832	
diseases	41360*	51585*	61801 71749		Norway					13184*	effects on forests				40694 58156	
dogs					occupational diseases				52284	51544*	61232 2856* 2859* 30439*					
diseases	22360	82403	13229*		81804* 93850*						40700* 40702* 50934* 50948*					
82399*					Poland					3318*	71304* 81197* 81262*				27014a*	
treatment		3825	3844		Republic of South Africa					92085	effects on fruit				28810* 89458*	
13233	62516	52025*	52063*		103363						effects on plants				5890 43730	
72443*					Rumania					12695* 81915*	effects on structures				40691* 40698*	
grafting		22358	92760		waste				35094*	91847* 91854*	Finland				50988	
goats			13711		97113*						Japan				84614*	
grafting		103328	103340		conferences and congresses				91824*		measurement				40780* 57365*	
guinea pigs		32658	82497		SEE ALSO UNDER names of animals						81254*					
horses	22422	82457	104122		Slavery				56195 56214 56279		Minnesota				50974	
13375*	22395*	62626*			Sleds SEE Logs, hauling, by sled						Norway				51073*	
insects SEE Cuticle			82486		Sleep SEE UNDER names of animals						surveys				40312	
mice			92819*		Sleeping sickness SEE Trypanosomiasis						80676					
minks			104362		Slice wood					21671	USSR				79982 91632 2094*	
pigeons			22544		Slide rules				102498 40562* 102491*		27059a* 39640* 102813*					
poultry	4068	13515	22544		Slime molds SEE Myxomycetes						Vermont				20860	
22604	22624	42037	82605		Slugs				4878 8921 73176 83366		Snow blight					
82638	104381	104396	22589*		17922*						Coniferae				99278	
104388*	104451*				Smaller European elm bark beetle SEE						Snow fences				40332	
rabbits		82724	104674		Scolytus multistriatus						Snow insects				14379 73488 106133*	
sheep	13675	13711	13716		Small horsebeans				38276* 38277*		Snow mold					
32239	32298	32705	72808		Small milkweed bug SEE Lygaeus kalmii						grasses				37230 77742	
93646	104653	104687	104702		Smallpox				3698*		wheat				99508	
52370*	52377*	63125*	72718*		SMDC SEE Vapam						Snowdrop SEE Galanthus					
72795*	93595*				Smectite					39700	Snuffles				104550*	
swine	13796	42290	42329		Smerinthus ocellata					106016*	Soap				86323	
63125*					Smerinthus planus					106016*	Sobarocephala plumata group				5323	
turkeys		4044	93240		Smicromutilla n g					95336	Social adjustment				17132	
SEE ALSO Hides and skins; and					Smicromyrme					95311* 95320*	Social conditions				26739 56357	
SUBHEAD pelting UNDER names of					Smicromyrme cobosi					5475*	67087 87354 87355 87482					
fur-bearing animals					Smilacaceae					46873	98023*				43794*	
Skin test	31296	52355*			Smilagenin					12920	Austria				56052	
Skippers (Lepidoptera) SEE Hesperidae					Smilax				18626 46873	67843	conferences and congresses					
Skototropism			14402*		Smithistruma					73745	66325				87248*	
Skull			72455*		Sminthurides					43383	Congo				76080*	
chinchillas					Sminthuridinae					43383	76081*					
dogs	22335	62521	103980		Sminthurus viridis					14158	developing areas				27157*	
horses		22459	3982*		Smittia				33195	73640	Europe				17011* 66448*	
poultry		22646	104328		Smittia parthenogenetica					83996	France				87359* 108018* 108644*	
Skunk cabbage SEE Symplocarpus foeti-					Smog SEE Air pollution						Germany				46071* 67075* 75959*	
dus					Smoke generators					385	108193*					
Skyr			74931*													
Slag			91040*													
					SEE ALSO Basic slag											



Item			Item			Item		
Social conditions-- Cont			Social welfare-- Cont			Sodium-- Cont		
Ghana	17013	36032	Italy	108131*	108139*	in sunflowers		9676*
India	45434	46451	policies and programs		56740	in swine physiology		22957
Iowa		67148	67084	108645*		in tomatoes		9847
Iraq		66826	study and teaching		76562*	in wine		6312*
Israel		86822*	Switzerland		98094*	Sodium acetate	52394	62142
Italy	87290*	97570*	Socialism and agriculture		54275	103036		70290
108031*		108018*	8139*	26664*	76270*	Sodium arsenite		29228
Kentucky		56728	86670*		86664*	47450	59927	29276
Libya		66553*	Sociology			Sodium ascorbate		93089
Mediterranean area		20811*	36027	45424	46076	Sodium azide		60131*
Morocco		56310*	87355	87357	87360	Sodium azide-iodine reaction	101818	19283
mountain areas		108018*	87378	87607	8055*	Sodium benzoate		70410*
Netherlands	45584*	46016*	8060*	8142*	17010*	Sodium bicarbonate		31204
Niger		87236*	36030*	42351*	87356*	52461	70290	82493
Peru		87238*	Belgium			72839*		103804
Poland		27060*	conferences and congresses		86551	Sodium bisulfite SEE Sodium sulfites		
Republic of South Africa		7582	87364**			Sodium borohydride	41020	61474
Senegal		108650*	desert areas		56843	Sodium carbonate	52461	101675
South Carolina		106471	developing areas		56009*	25280*		
Southern States	67105	86906	Europe		98097	effects on barley		27954*
Switzerland		87366*	France	45438*	66336*	effects on plants		58746*
Texas		46079	Germany	97716*	108651*	in goat physiology		32252*
Tropics		36103	India		36079	in soils	29526	60588*
Venezuela		67088*	Israel		76572	in sugars		26274
Vietnam		97552	Italy	67080	35446*	Sodium carboxymethyl cellulose		103024
Wisconsin	35450	36000	policies and programs		86820*	Sodium caseinate		74935*
Yugoslavia	46078	56036	98102	98105	108235*	Sodium chlorate	11000*	61489*
SEE ALSO Communities; Cost and		56298	Republic of South Africa		27055*	Sodium chloride		
standard of living; Health; Rural life			research methods		67076	effects on algae		47619
Social insects	14826	14966	76561	76563	76566---	effects on bacteria	6362	7118
53086	95327	42351*	76574			104875*		
94580*	105420*		statistical		8057	effects on barley	27930	48308
SEE ALSO Ants; Bees; Termites;				8058*		78495*		
Wasps			research programs		26426	effects on chickpeas		100117
Social organization	7574	17018	study and teaching		26444	effects on corn		48171
46081	67083	67086	98098*			effects on Eucalyptus gomphocephala		100268*
87369	106621	67078*	Switzerland		17021*	effects on forage plants		10005
Canada		27053	Tanganyika		56734	effects on Fucaceae		89601
Colombia		76573	Western States		56843	effects on grapes		68714*
desert areas		98101	Socorro myia n g		95016	effects on meat		55521
France		45445*	Socratina n g		77303*	effects on peaches		1204*
Germany		36030*	Soda SEE Sodium carbonate			effects on plants	27982	58507
Gilbert Islands		56737	Soda ash SEE Sodium carbonate			68964	78443	
Guatemala		27058	Sodium			effects on poultry		104327*
Himalayas		98057*	effects on Ankistrodesmus braunii		19154	effects on rice	1036	10081*
history	36038*	67082*	effects on Avena		58662	28105*	38436*	38437*
India	46074	56738	effects on barley	89326	28159*	effects on Sarcobatus vermiculatus		78623
Indonesia		76524	effects on beans	28033	78464*	effects on seeds		18413*
Iowa		87358	effects on cacao		18824	effects on semen		31130*
Iran		27050	effects on chickpeas		68696	effects on Setaria italica		100165*
Israel	76571	98101	effects on cotton		48488	effects on soils	11199*	48966*
Italy		98104	effects on fibers		54793*	effects on soybeans		100165*
Japan		108648*	effects on onions		60111	effects on sugarcane		100437*
Mexico		67077	effects on plants	100108	28270*	effects on wheat	68696	100117
Mississippi		45675	58945*			68715*		
Netherlands		98104*	effects on rice		89326	fertilizers		29754*
New Guinea		76524	effects on wheat		19103	in animal nutrition	21805*	29754*
Poland		27060*	fertilizers	40008	60370	reviews		41231*
Senegal		87245*	102052	49968*	79824*	in Apis mellifera		105417*
Switzerland		46077*	herbicides		79824*	in cattle nutrition		41485
Tanganyika		56734	in beans		68844	in cattle physiology	72042*	103701*
Trinidad and Tobago		17019	in blood	104859	4405*	in cheese	24841	6385*
Wisconsin		36065	73067*	92574*	13864*	34346*	74784*	85450*
Social participation	27171	36034	in cattle nutrition	82177	72080*	in cheese manufacture		96579*
46349	87086	67111	in cattle physiology	72146	82161	96580*		
Social security	11936	26512	103876			in duck physiology		82552
76036	86680	86686	in dog physiology	22356	72408*	in fish processing	86532*	107987*
Czechoslovakia		16598	in fish		26386	in food processing		24526*
European Economic Community		66449*	in grasses	100394	68970*	in grain processing		55287*
France	56127*	56155*	in guinea pig physiology		92955*	in human nutrition		57098*
86678*	86679*	66446*	in Hyalophora cecropis		73812	in meat	7135	55529
Germany	7688	45522	in meat		25866	in mink nutrition		104071
87284*		86687*	in milk		74781*	in plants	38130	78669
Italy	35506*	35620*	in Nitella		37954	in sheep physiology		52461
76031*	76034*	76035*	in Nitella translucens		69072	in soils	103701*	
108132*	108139*	108131*	in oats		9746	27894*	11242	80543
104148*	108141*	108143*	in peas		9746	in sugars		7485
Minnesota		35509	in plants	100108	1194*	in vegetables		55091
Netherlands		86675*	in poultry nutrition		4107	in water		103701*
statistics		108150*	in rat physiology		41879	therapeutic use		30859*
USSR		108138*	in sheep nutrition		104631	toxicity	32431	83078
SEE ALSO Old-age insurance			in sheep physiology		4415	32515*		13516*
Social welfare	27113	67106	in soils		20441	Sodium chloride solutions		5243*
Europe		17011*	20443	20463	28033	53115*	95447*	
European Economic Community		66449*	60111	70417	101732			
France		8062*	49721*	60127*	68970*			
Jamaica		26572						

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.

	Item			Item			Item	
Sodium chlorite	107168	34540*	Soil conservation-- Cont			Soil conservation-- Cont		
44463*	107162*		40337	40340	40342	40350	Texas	2619 60730
Sodium citrate	31181	82506 82835	40456	50372	50375	50380	USSR	30001*
Sodium cyanide	29247*	93551*	50390	50393	56700	60571	Utah	20958 60731
Sodium 3,6-dichloro-2-methoxybenzoate	79809		60709	70816	70825	70837	Washington	21005
			79938	80691	80702	80712	Western States	79444
Sodium 2,3-dichloroisobutyrate SEE FW-450			80718	80720	91356	102266	Wisconsin	91330
			102274	103385	20968*	60714*	SEE ALSO Conservation farming;	
Sodium 2,2-dichloropropionate SEE Dalapon			80695*				Contouring; Cover crops; Ponds; Re-	
Sodium diethyldithiocarbamate	32159		Africa		11817	70520	clamation; Soil erosion; Strip crop-	
Sodium dimethyldithiocarbamate	9886		Alabama			80686	ping; Terracing; U S Dept of Agricul-	
78775			Alaska	102273	102280		ture, Soil Conservation Serv; names	
Sodium dithiocarbonate	25184		Angola		2597*		of soil conservation districts; and	
Sodium ethylenediamine tetraacetic acid	11252		Argentina		50362*		SUBHEAD in soil conservation UN-	
Sodium fluorides	52252	82140	Arizona		20954		DER specific subjects	
27339a* 83056*			as an occupation	17250	30015		Soil erosion	2606 11809 20957
Sodium fluoroacetate	57178	73400	30032	76905			40349	50374 50378 50390
91960 41342* 72391*			Australia	11804	11822	11826	60717	70833 70836 79976
Sodium fluosilicate	93874*		20970	20976	29995	40351	80711	102285 40324* 49830*
Sodium gallates	37824*		59325	60727	60729	91338	60728*	70820* 90858* 102268*
Sodium glutamate SEE L-Glutamic acid			91344	102263	102267	104623		11818
Sodium hexamethaphosphate	16249		Cameroon			20979*	Africa	20910
Sodium hydroxide	2981 8577		Canada		16992	36413	Arizona	20998
25047 51245 81253 81694			Central America			30026	Australia	2613 2618
34560* 65285* 94567*			Ceylon			29988	102263	
Sodium hypochlorite	33403		Colorado			20966	Bulgaria	40601* 102284*
Sodium iodide	62314	93630*	conferences and congresses			30021	Canada	11803 30035
Sodium lauryl sulfate SEE Dodecyl			40346	50392	80693	91351	reviews	40352
sodium sulfate			costs and returns		29996	40327	Carpathian Mountains	60713*
Sodium metabisulfite SEE Sodium pyro-			credit			76009	conferences and congresses	30031*
sulfite			Cyprus			80692	control	2590 2594 2601
Sodium N-methyldithiocarbamate SEE Vapam			developing areas			91335	2620	2621 2622 20993
Sodium nitrate			districts	26596	30575	40256	40328	40348 50114 50394
effects on cattle	12928		Florida			50371	70813	70830 79967 91347
effects on sheep	72779		Illinois			80705	91357	102263 91332*
fertilizers	38355		Massachusetts			40338	Algeria	30023*
field crops	29805		Puerto Rico			102269*	Australia	20978 20987 20991
Hevea	89583		Tennessee	11813		70832	60716	71335 91338 91340
rice	50092		Texas			91358	91346	
root crops	50040*		Far East			80717	Austria	50377
trees	91550		Florida			50371	by planting	2593 2609 2610
in soils	101637		Germany				2614	2616 30013 40326
Sodium nitride	48339*		East Germany			30079*	70810	70818 70826 70837
Sodium nitrite	28030*	32156*	Great Plains	16982	80701	80721	80687	80723 91022 11812*
Sodium orthophenylphenate	6881		history	30036	35745	70962	50383*	91343*
16021 25498 34818 44734			91331				Australia	15122 20961
Sodium orthophenylphenate tetrahydrate			Hungary			60712*	Bulgaria	40335*
			Illinois			91339	China	60723
Sodium oxalates	75286		India	11814		80696	Czechoslovakia	742*
Sodium pentobarbital SEE Pentobarbital	82506		Iowa			11801	Estonia	11815*
Sodium o-phenylphenate	55168		Israel			2602*	Georgia	2608 29991
Sodium o-phenylphenate tetrahydrate			Italy			60661*	Great Britain	49916 102271
			Jamaica			12106	Idaho	2596
Sodium phosphates	7212 7486*		Massachusetts			102276	Illinois	88960
Sodium polyphosphates SEE Sodium			Mexico	30026 20981*	70822*	70689*	India	100971
phosphates			70815*	70819*			Iowa	2617 30040
Sodium propionate	31204 82835		Minnesota			16990	Israel	40344*
107521 48239* 62383*			mountain areas			30001*	Japan	71345 11810* 60399*
Sodium pyrophosphates	29497*		Nebraska			20985	Kenya	48884
Sodium pyrosulfite	21757*		Nevada			20986	Korea	20982
Sodium salts	100534 4932*	68977*	New Hampshire			70831	Mississippi	61050 70839
Sodium selenates	13688		New Jersey			60644	mountain areas	11829 2599*
Sodium selenite	51890 13702*	93658*	New York			27008	North Carolina	2623
Sodium silicates	35170*		New Zealand	11811 50364	50367		Poland	91341*
Sodium sulfamethazine	52253*		50369	50373	50387		Red River Basin	80714
Sodium sulfates	6679 13811		Ohio			21001	Rhode Island	40332
42012* 51754* 64260*			Oklahoma			70828	Sicily	50360*
Sodium sulfites	6642 41022		Oregon			20988	Taiwan	46736*
Sodium tetraphenylboron	2171		Pacific Northwest			11824	Tennessee	20964
Sodium thiosulfate	52649 62190		Peru			80681*	Thailand	50391*
Sodium trichloroacetate SEE STA			Philippines			29980	Tunisia	81034*
Softener SEE Thalidomide			policies and programs	7672		8024	USSR	11807* 29969* 29977*
Soft rot			11687	29646	29996	29999		29981* 30006* 30008*
redpeppers	107357		30027	40327	80683	91333		30017* 30034* 40331*
sweetpotatoes	75286		91336	91350				50382* 50384* 50381*
wood	40849 61357 71425		Mexico		70829*	70835*		60724* 71339* 80688*
30554* 61378*			public relations			20953		80716* 81235*
Sogata orizicola	73203		Puerto Rico	2605	102265		Vermont	91359
Soil blocks	20645 60091 20636*		Republic of South Africa		20990		West Virginia	30025
59861*			80715				California	60656 60722
Soil-cement		21394	Sicily			50360*	Canada	50363*
Soil conservation	2588 2600 16998		South Dakota			11816	Carpathian Mountains	60713*
20960 20965 20975 20983			Southeastern States			70798	China	102277*
30002 30003 40329 40333			Southern States		8016	20992	Curacao	36397
			Spain		80703	29987*	Czechoslovakia	70827*
			study and teaching		20977	50388	Europe	50385*
			70817	80689	70695*		France	61325*
			Taiwan		30014	108604	Georgia	29992 50366

\*Text of this reference is not in English.



Soil erosion-- Cont				Soil fauna				Soil science-- Cont			
control--cont								study and teaching			
Germany			50370	2221	11333	32625	42880	39636	49580	49708	101895
East Germany			70811*	2196*	2217*	2218*	2246*	Germany			70233*
Great Plains	70814		80469	11868*	42937*	43218*	53135*	East Germany			11167*
Greece			102281	93937*				Japan			29434*
Hungary	11821*	15113*	20967*	Arkansas			94801	Republic of South Africa			29748
29983*	50365*	91355*		Chile			73469*	Sweden			11163*
India			80709	conferences and congresses			14405*	Switzerland			11164*
Italy			80537*	2190**				Taiwan			49587*
Japan		30020*	40339*	ecology	14380	63838	2201*	*techniques	2088	2103	11170
Kansas			2603	2189*	2222*	14367*	33065*	11210	11328	29431	39634
Massachusetts			80697	France			90944*	49814	50317	60140	79921
Mexico			80710	Germany			30079*	80044	80109	101659	2099*
Montana			2607	East Germany			29359*	11369*	29430*	29433*	40016*
mountain areas	29925*	30006*		Great Britain			42966*	49781*	57419*	80525*	90796*
30010*	30012*	30016*	40345*	Japan			33033*	terminology			39853*
reviews			40347*	Netherlands			2267	Tropics			90792*
New Jersey			80697	populations			42891*	USSR	20364*	29435*	49583*
New Zealand	2591		50361	surveys			94342*	60057*	79109*	79920*	
Northern Rhodesia			80690	Soil insects	2198*	53135*	93937*	Soilless culture	SEE UNDER Plants and		
Oregon			21000	adaptation			42966*	names of plants			
Poland	20974	40325*	80704*	Africa			53588*	Soils			
91345*	91352*	91360*	91361*	anatomy and physiology			42880	acid	2207	11233	39687
Republic of South Africa	20963	20989	102272	Bulgaria			42424*	39731	50734	60138	81007
Rumania	2604*	20984*	60726*	California			63586	90852	101742	101783	50396*
80707*				Canada			13944	91122*	101700*		
Southeastern States			80680	Chile			73469*	Arkansas			90843
Southern Rhodesia			80690	collecting			84216	Australia			48837
Tennessee Basin			61243	collecting equipment			23163	Canada		80285	91119
USSR	2611*	20956*	20996*	control				China			101743*
29818*	29925*	29976*	29989*	Arkansas			63582	Estonia			70544*
29993*	29994*	30009*	30010*	chemical	42398	52724	73220*	Finland			50689
30012*	30016*	30017*	30022*	105372*				Florida			2260
30024*	30028*	30029*	30030*	Florida		23261	83304	France			50099*
30037*	30039*	30041*	30300*	Hungary			23060*	Great Britain			99769
33659*	40345*	50389*	60732*	Illinois			23096	Hungary			40012*
80713*	106276*			Italy		23078*	105053*	India	11532	11591	39748
Washington			11808	Louisiana			52869	Japan	29463*	39763*	68724*
West Virginia			2589	Netherlands			23034*	Nigeria			60175
Cuba			91342	Czechoslovakia			43377*	Poland			80194*
desert areas			80722	ecology	63838	84205	5053*	Puerto Rico			79959*
Europe	50381*		91348*	5636*	73229*			Southeastern States			48090
France			102264*	Germany			5194*	Tropics	20469	39758	39759
Germany			40330*	USSR		14367*	42978*	USSR	50113*	69116*	70262*
Great Britain	5616		70838	feeding habits			5215	70621*	74033*	80443*	
Greece			20969*	France		63945*	73573*	aeration	1002	2108	2179
history	60718		80700	geographic distribution			105526	9295	10079	20404	29461
Hungary	45761*		60721*	42965*	105633*			29522	37527	38481	39350
Illinois			91339	Germany			60217*	39649	39650	49616	49825
India			11814	Great Britain			43379	68875	69111	78476	78882
Indiana			91353	habits and behavior		5632*	14362*	90713	100283	101639	101649
Iowa	2615	59373	60710	India			94897	101659	2137*	2553*	20387*
Italy			102282	Louisiana			94294	38350*	39654*	48114*	49608*
Japan	30018*	30020*	70821*	mountain areas			43377*	49612*	49617*	49628*	49717*
Lithuania			49835*	New England States			14821	58622*	60065*	70351*	79947*
Maine			29998	Northern Rhodesia			14159	79960*	90918*	101793*	
Michigan			20999	nutrition			5053*	reviews			39678*
mountain areas	39881	49901	80694*	Oklahoma			42898	Africa		20533	20558
50379	29990*	30000*	50368	populations		42891*	53160*	aggregates	1001	2209	11198
New Mexico			39881	South America			53588*	20395	20460	39662	49647
New Zealand	2268	2591	50379	stratification			83734*	58873	60219	79985	79989
47682	49611	49901	102275	surveys		23510*	42851*	84426	101648	101656	39661*
Northern Rhodesia			20971	USSR			32646*	49591*	49655*	60100*	60113*
Oregon			40343*	Yugoslavia				60261*	70244*		
Poland	39837	2121*		Soil mites SEE Oribatei				aggregations	11169	11178	11190
91349*				Soil science	11165	11168	49579	70252	101884	60086*	101886*
Republic of South Africa			20980	79922	39637*	49581*	49584*	air contributions		29507	60134
research programs			102246	60058*	70228*	70232*	70232*	60144	70330	11265*	50054*
reviews			80708*	associations	40340	29437*	101633*	101718*			
Rumania	11819*	11820*	20997*	bibliographies			49586*	alkaline			
70809*	80694*	90827*		conferences and congresses			11162*	China	39889	60529	90981*
Southern Rhodesia			102275	Czechoslovakia			90790*	101743*			
Spain	60711*		91334*	developing areas			90808	India			70763
Tennessee			2612	dictionaries			39633	Republic of South Africa			80589*
USSR	50386	2374*	29685*	equipment	29988	39665	49577	USSR	29775*	48083*	60568*
29793*	29978*	29979*	29990*	79985	80077	80087	90788	70267*			
29997*	30000*	30011*	30041*	2246*	102279*			analysis and testing	2140	2151	
30042*	39716*	40336*	50359*	Germany			90789*	2172	2177	2181	11224
102286*				history	70230	70231*	70235*	11227	11306	20413	20428
Washington			80725	Ireland			29432	20445	20707	29483	29487
Wyoming			11827	Japan			33033*	29503	36418	39704	39712
SEE ALSO Raindrop erosion; Runoff;				Poland			91360*	39735	39742	39744	43907
Sedimentation; Streambank erosion;				research methods				47983	48091	49630	49710
Wind erosion				statistical			90791*	49765	49966	50069	60075
				Rumania		2089*	2497*	60136	60137	70273	70286
				Scotland			49582	70289	70331	70333	70626

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.





Item				Item				Item			
Soils-- Cont				Soils-- Cont				Soils-- Cont			
fertility--cont				fertility--cont				genesis--cont			
Finland	2290	2430	60420	Tropics	11596	20529	20709	Great Britain	2232	29600	
101980*				49883	90917	2348*	20532*	36620			
Florida	2325	2492	70525	20600*				Hawaii		49837	
101650				Tunisia			50015*	Hungary	60279*	60287*	80162*
France	20601*	49974*	87306*	USSR	11455*	11580*	11585*	Iceland			11403
Gambia			70528	20424*	20527*	20793*	29755*	Idaho			11395
Georgia			2166	29793*	29818*	29925*	29978*	Illinois			80148
39983				30278*	39900*	39903*	39947*	Iowa			60292
Germany	50158	2326*	10289*	40036*	40067*	40270*	49612*	Israel			60294*
11605*	50037*	79349*	80335*	49671*	50116*	50171*	50745*	Italy	20542*	49885*	90990*
80386*	80406*	81015*		60410*	60485*	70559*	70600*	Indiana			91003
East Germany	2425*	11489*		71186*	71193*	80342*	91110*	Japan	2256	20556	49905
29801*	39914*	39985*		91123*	91137*	101837*	101939*	60252	60284	29587*	29590*
49970*	50010*	50021*		101950*	102012*	102100*	102816*	29609*	29614*	29616*	29625*
50026*	50127*	50254*		United Arab Republic			60322	29647*	50251*	60260*	101862*
50349*	60329*	68002*		Florida			2172	101886*			
70561*	70620*	78639*		France			11438*	Lithuania			49835*
80253*	80293*			freeze-drying			11174	Mackenzie Basin			20525
				frozen	2761	11194	11344	Massachusetts			29633*
Ghana			20718	12041	18416	18462	20400	Mexico			39861*
Great Britain	40106	29553*		20405	20406	20523	20525	Michigan	49857--	49859	
Greece		39927*		20556	20816	26957	49611	Minnesota			46712
Hungary	11603*	29734*	29824*	49614	79954	90806	90826	Mississippi			20547
43532*	49972*	60621*	80465*	2112*	11215*	18184*	20514*	Mongolia	20514*	49865*	70451*
80583*	91170*			37586*	40114*	60096*	101664*	mountain areas		11420	49901
Iceland			49919*	bibliographies			2114	11379*	49865*		
India	11287	11579	11586	fumigation	2627	2630	11831	Nebraska			20545
20735	20751	29483	29752	11832	27138a	40355	47598	Netherlands	2267	29608*	60293*
29756	29782	29783	39986	58028	60018	60733	60735	80143*	80153*	80160*	80188*
60213	60352	70497	91128	60739	61099	68022	71246	80201*			
91142	102044			77692	80726	102288	102289*	New England States			14821
Iowa			59373	Canada		68328	94301*	New Zealand		27426a	49851
Ireland			20686	Ceylon			47580	49881	49901	99777	
Israel			11283	Florida		2629	57899	Norway			2280*
Italy	11451*	11627*	20414*	Hawaii			27364a	Oklahoma			68353
40075*	50014*	50143*	80255*	Japan		47585*	77970*	Poland	39837	2426*	11400*
Japan	50022	29751*	29757*	Michigan			99698	11407*	49841*	49873*	49875*
29762*	29763*	40019*		North Carolina			99711	60269*	80197*	80198*	
Louisiana		29769	40007	Oregon			37510	Rumania	11379*	11386*	11425*
Malaysia			91181	Puerto Rico			18385	49872*	90969*	101842*	101852*
Maryland			60444	research methods				Scotland		11394	60274
Massachusetts			11640	statistical			30043	Sicily			70433*
Minnesota			91053	fumigation equipment	2629	21008	11375	South Dakota			2287
mountain areas	29925*	60440*		genesis	2292	11168	11375	Sweden		39858*	70438*
Netherlands	2258	11267*		11376	11384	11389	11436	Texas			70431
11523*	49982*	80334*		29589	49866	49899	60256	Tropics	20512	20529	20546
New Jersey			11632	90962	2255*	2285*	2293*	49855	20532*	78738*	80193*
New York			60460	11374*	20407*	20528*	29630*	USSR	49860	49862	2277*
New Zealand	29680	40004		60261*	60286*	60290*	80054*	11391*	11397*	11401*	11414*
40096				90973*				11415*	11427*	20511*	20527*
Nigeria			102061*	Africa	49840	49855	89026*	20564*	27418*	29594*	29628*
North Carolina			20445	Alabama			11399	39824*	39841*	39842*	39851*
Northern Ireland			20752	Alaska			49845	39856*	49831*	49864*	49884*
Northern Rhodesia			50278	Algeria			29620*	60234*	60246*	70425*	70432*
Northwestern States			101908	Alps			60245*	70435*	70436*	70443*	80190*
Norway	2345*	29788*	60440*	Arctic Region			20523	80199*	80203*	80211*	90994*
70305*				Arizona			80156	90995*	91004*	101861*	101872*
Ohio			20673	Australia	39838	49848	49849	Utah		2294	47678
Pakistan	20777	29528	80320	49903	70427	70456	101882*	Washington			80725
Philippines			60341	Austria			83933*	West Virginia			101683
Poland	2426*	20681*	40055*	Banks Island			90996	Wisconsin	2284	80163	80185
40080*	45762*	49976*	50000*	Belgium			70422*	Yugoslavia			39827
50061*	50066*	50117*	50135*	British Guiana			11380	Germany			39726*
60215*	79980*	90866*		Bulgaria	39846*	49888*	60255*	East Germany			101740*
Puerto Rico			20599	101841*	101860*	101867*	101880*	Great Britain	11220	60480	101737
Republic of South Africa			20755	101883*				Great Plains		68928	70258
research methods				California		11402	101884	heating	101758	20187*	48472*
statistical			11490*	Canada	11371	11426	20521	heating equipment		43860	10963*
reviews	49819	101947*		49834				96053*	96071*	64696*	64697*
Rumania	11820*	20417*	20620*	Carpathian Mountains			49906*	Hong Kong			29607*
20643*	20727*	20738*	91072*	80196*				hydrogen-ion concentration			2155
101674*	101842*	101904*		China	90968*	90981*	91001*	2214	11253	11255	11257
Scotland			37605	Congo			29602*	11282	27442a	28047	29513
Senegal			40049*	desert areas			27418*	29769	39781	48427	49676
Sicily			39741*	El Salvador			90971	58484	60174	68914	69111
Southern States	50044	60521		Estonia			101864*	70298	70649	80013	80049
Spain	20700*	20725*	49989*	Finland			2290	80051	80061	80072	81064
60349*				Florida			2264	89583	89707	90840	90852
Sweden	2318*	2332*	2355*	France	18442*	70429*	80154*	90891	91187	95420	101709
2443*	11571*	60557*	80444*	80165*	80189*			101719	101723	101741	101742
101858*	101910*			Germany	60249	11416*	12709*	101754	101779	2156*	2326*
Switzerland			50200*	20537*	29608*	39823*	39849*	11286*	11309*	11314*	18964*
80762*				39866*	57468*	60293*	60276*	20429*	20459*	29520*	40080*
Taiwan	101921	101930	49587*	90986*				49690*	49713*	49727*	49741*
Tennessee			29773	East Germany		11421*	20531*	49756*	58896*	60167*	60183*
Texas			91173	61618*				60224*	60491*	68666*	70262*

\*Text of this reference is not in English.

Item				Item				Item			
Soils-- Cont				Soils-- Cont				Soils-- Cont			
hydrogen-ion concentration--cont				management--cont				microorganisms--cont			
70267*	70295*	70416*	70574*	Taiwan			91015*	11363*	14998*	20479*	20481*
72065*	77487*	78595*	78744*	Texas			2305	20489*	20493*	20495*	20500*
78773*	80068*	80179*	88968*	Tropics			20575	20505*	27985*	28147*	29550*
89016*	90856*	90882*	90889*	USSR	2306*	2487*	29357*	29565*	29568*	29572*	29574*
90890*	99734*	100146*	101740*		70476*	80241*		29581*	29583*	39760*	39765*
101757*	101800*	101942*		Utah			20883	39770*	39782*	39783*	39799*
hydrolysis		90895*	90897*	Western States			2303	39806*	48479*	49750*	49778*
Illinois		78029	80088	Wisconsin			91330	49779*	49781*	49790*	49792*
India	49638	80039	90888	maps	2298	11405	29596	49793*	49795*	49796*	49807*
infiltration	2135	2531	20368		80208*			49810*	49811*	49813*	49816*
20377	29458	39648	39666	Africa	80158	80159	80207	49818*	49820*	58591*	60199*
39668	49598	49605	49638	Australia	20518	29588	29644	60201*	60202*	60206*	60221*
49653	60094	70711	79971	Belgium	39855*	101855*	101856*	60231*	67680*	69036*	70336*
79977	79992	80569	80637		101870*	101876*		70338*	70348*	70353*	70357*
90817	102177	102178	2112*	Bulgaria			60288*	70364*	70371*	70372*	70375*
11185*	60069*	90800*		Canada	2269	11410	49856	70378*	70380*	70382*	70389*
					20539*			70390*	70392*	70400*	70405*
India			90856*	Chile			101844*	70409*	70411*	70412*	80080*
Indiana			90839	Czechoslovakia		49852	20524*	80090*	80097*	80106*	80115*
Iowa			102282	Estonia		20550*	60253*	80117*	80122*	80129*	80137*
Iraq				Germany			90987*	80138*	89347*	89598*	89723*
reviews			29929	Indiana			70459	90904*	90908*	90913*	90914*
Ireland			11352*	Italy			108609*	90919*	90921*	90925*	90926*
Italy			20481*	Malagasy Republic			90999	90929*	90941*	90945*	90946*
Japan	18440	101802	29455*	Mexico			39847*	90948*	90952*	90954*	101634*
	29626*	40083*		Minnesota			60244	101787*	101788*	101792*	101793*
judging		29693	60310	Netherlands		29637*	101877*	101806*	101807*	101809*	101817*
Laccadive Islands			29578	New Zealand		8007	8069	101821*	101985*	2190**	
leaching	2093		11221		11417	80213	80214	reviews	2243	37287	39785
11239	20408	20420	20427	Poland			49877*	101784	101831*		
20430	20465	20957	29523	Portuguese Guinea			80209*	Mississippi	529	20369	80049
40146	50217	80059	90962	Republic of South Africa			2295*	moisture	1013	1020	1146
101564	101590	101751	102116	Rumania	2261	39826*	60240*		1209	1212	1229
102179	2628*	11226*	20898*		71153*				2097	2105	2110
29505*	29864*	29880*	29936*	South Dakota			80010		2113	2118	2123
29937*	29970*	40026*	40042*	Sweden			101858*		2129	2130	2134
40230*	40270*	49746*	50245*	Switzerland		11396*	29605*		9914	9979	10013
50306*	50341*	60706*	70285*	USSR	80375	11372*	11390*		11178	11187	11188
80055*	80344*	80574*	80606*		11567*	39835*	80164*		11197	11204	11208
90875*	90898*	91316*	101676*		90976*	90992*			11375	11441	14573
101937*	102095*	102239*		Mauritania			5565*		18911	18963	18987
management	2461	11437	11791	Mediterranean area			39696*		20377	20378	20389
20567	49603	49917	67997	Michigan			80405		20398	20403	20405
80230	91024	101896	102262	microorganisms		250	1020		20660	20796	20888
39779*	49830*	101888*			2103	2182	2185		27900	27921	27927
Argentina			80220		2187	2193	2194		28028	28243	28446
Arizona			70470		2207	2209	2210		29443	29449	29451
Australia	11652	101891	39779*		2213	2215	2223		29642	29651	38001
Belgium		20580*	49922*		2237	2238	2240		39649	39663	39664
biological aspects		70402	70467		2311	8848	8863		39646	39682	39771
80222	101889	39787*	49824*		9077	9107	9377		39813	40279	43535
60196*	70361*	70385*	70472*		10247	11168	11319		47961	48007	48071
70475*	70478*	80224*	91010*		11326	11333	11335		48373	49596	49598
Brazil			56638*		11340	11350	11355		49613	49624	49629
Canada	11439	20566	20577		11360	11369	11832		49652	49654	49657
80219					17906	18952	20466		49733	49958	60067
China	39889	50048	70473		20485	20486	20488		60081	60091	60104
Colombia			39876*		20523	20765	29528		60458	60688	68127
Colorado			70465		29540	29542	29545		69047	69111	70181
Czechoslovakia			49925*		29549	29555	29558		70252	70253	70339
desert areas			80220		29582	29827	36971		73079	78380	78703
developing areas			49927		37173	37293	37321		79931	79932	79941
France			11438*		39774	39776	39781		79952	79954	79969
Germany			60300*		39798	39802	39805		79985	79995	80014
Ghana			80239		49791	49800	49802		80687	81094	81174
Great Britain		56509	70462		49814	60189	60191		89489	89700	89750
101894					60195	60203	60205		90798	90828	91286
Great Plains		29650	80221		60213	60223	60229		100116	101637	101639
Illinois			80242		61175	67940	67977		101651	101658	101671
Indiana			91003		68100	68873	70354		101678	101685	101688
Italy			91021*		70366	70386	70388		101890	102179	2112*
Japan	20452*	20572*	29659*		70404	71128	71246		2499*	9968*	11176*
39873*	80238*	91007*	91017*		79775	79791	80094		11299*	20384*	20385*
101766*					80102	80103	80109		20803*	28114*	28187*
Michigan			30344		80120	80121	80127		37038*	38285*	38427*
Netherlands		20576*	29603*		80136	88532	90905		39639*	39680*	39989*
70477*					90933	90942	90950		48224*	48441*	49589*
New Zealand			49920		99071	99117	39727		49618*	49635*	49643*
Ohio			40122		101802	101810	101811		59667*	49829*	58833*
Pennsylvania			20569		101829	101832	101833		60084*	60086*	60394*
Poland	60303	60298*	80231*		2189*	2201*	2206*		68888*	68899*	69092*
reviews			2309		2219*	2222*	2224*		70261*	70516*	70768*
Rumania	2438*	11442*	18823*		5091*	10099*	11317*		71228*	71342*	77992*
South Dakota			20574		11322*	11325*	11330*		79940*	79944*	79950*
Spain			101892*		11339*	11341*	11343*		80478*	88977*	89359*
Sweden		70460*	70464*		11353*	11354*	11361		102813*		
Switzerland			11499*				11363*				



Soils-- Cont				Soils-- Cont				Soils-- Cont			
moisture--cont				moisture--cont				moisture--cont			
Africa		20436	18832*	USSR--cont				percolation	20399	39679	101751
Algeria			70238*	20367*	20380*	22043*	29440*	2573*	39656*	101661*	
Arkansas			95086	29467*	29780*	29925*	30453*	permeability	11202	29465	39682
Australia	11211	60087	68822	39670*	39683*	40722*	49625*	49599	49609	49650	60073
70374	79934	101641		50279*	60097*	70326*	71178*	60098	60595	70242	79981
Brazil		11186*	50167*	79963*	80479*	80678*	90799*	79982---	79984	91199	11215*
Bulgaria			50733*	90821*	90823*	90829*	91629*	60069*	60070*	60074*	70251*
California	9003	68906	81150	101664*	102104*	102821*		70254*	91207*	101692*	
Canada			49590	United Arab Republic			60082	physics	2092---	2137	9874
capillary rise			11199*	102105				11168---	11219	20367---	20406
Carpathian Mountains			50983*	Vietnam			101916*	29438---	29467	29493	29623
Chad			60071	Western States			49633	39638---	29683	40126	49588
China	60078	90803*	90814*	Yugoslavia		29454*	29466*	49589---	49670	49688	50734
90837*	101640*			mountain areas		27426	56693	50771	58482	59381*	60060
desert areas		9353	49656	11418*	20840*	29471*	49716*	60061---	60104	60158*	70234*
determination		2096	2101	49724*	49655*	49843*	90821*	70236---	70261	70309	79923
2116	2125	2127	2543	Morocco		20497*	20498*	79924---	79996	80037	80193*
20396	29439	29448	39669	Netherlands		29481*	39692*	81002	90793---	90837	101634*
47632	49597	49642	70247	Nevada		1460	11181	101636--	101689	101741	101747*
79929	79957	79958	79981	New Jersey		11360	11311	102097	plant animal relations	2252	2253
79989	80516	90816	101673	New Mexico			27451	20506---	20509	49827	49828
2136*	11192*	29447*	29482*	New York			20376	70415	80139	80141	82013
39672*	49595*	49621*	60072*	New Zealand	2142	2143	27426	90959	101834	11370*	12709*
60102*	70239*	70245*	79945*	56693	80031	101851	101887	29586*	31381*	39816*	39817*
79953*	79964*	79968*	90797*	North Carolina			2579	49830*	60232*	60233*	70418*
90811*	90815*	90836*	101638*	Norway			2280*	70419*	72020*	72065*	72790*
101644*	101645*	101653*	101668*	organic matter		2148	2234	80140*	90956*	90958*	92047*
determination equipment		2106		2291	2292	11233	11279	92312*	29509*	39818*	39854*
11218	39644	39645	39655	11313	11326	11365	19099	Poland	49628*	49726*	49734*
49617	49619	49658	79924	20426	20449	20450	20455	58134*	60237*	80202*	80266*
79933	79942	79978	101647	20466	20483	20765	29477	90948*	91171*	porosity	11173
101663*	2102*	39654*	79993*	29480	29484	29489	29508	39663	79954	90798	11209*
El Salvador			77487*	29513	29525	39733	39734	29438*	49627*	49634*	49717*
Finland			40257*	39743	40052	40593	49782	70250*	90810*	102239*	
Florida	49649	60512	101650	60112	60184	60209	70321	profiles	2291	2088	2118
France			20402*	70513	80026	80069	80071	2291	11210	11375	29431
Georgia			49631	80087	89750	90851	101723	29480	39634	50078	60239
Germany	11680*	20381*	60217*	101758	101779	101786	11248*	61035	70272	79995	80069
60491*	69513*	90944*		11254*	11266*	11268*	20435*	2099*	29430*	29433*	49842*
East Germany			20372*	29470*	29496*	29497*	29565*	49896*	Arizone		
Great Plains			80469	29585*	39727*	40014*	49751*	Australia	2299	80191	101719
Hawaii		39681	80246	49770*	60198*	70236*	70266*	Bougainville			49909
India	11171	11179	11763	70314*	70315*	70319*	78316*	Bulgaria	39821*	39853*	101807*
11853	39733			80017*	80053*	80118*	80125*	California			11402
Indiana			70260	90858*	90889*	90910*	90949*	Canada	11371	11424	49834
Ireland			19243	90951*	90954*	91100*	101772*	89561	90984	29634*	
Ivory Coast			70496*	Australia		20444	49768	El Salvador			101857*
Japan	27967*	37942*	38187*	Brazil			9686*	Florida		2260	2492
39651*	39658*	39673*	60085*	Bulgaria			29498*	France			11412*
60099*	60230*	78631*	31140*	Canada	49757	63944	77965	Germany		11246*	39866*
90793*	90794*	90795*	101669*	China			90853*	East Germany			90810*
Maine			29445	Florida	2056	2492	35755	Great Britain		2187	2248
Minnesota	27955	30274	79928	68895				Great Plains			29623
80996				Germany	11540*	39688*	91158*	Japan			101862*
Netherlands			895	Ghana			9639	Kansas			80167
New England States			79957	Great Britain			2244	Mediterranean area			39844*
New Jersey	535	48666	79972	India			39748	Minnesota			39836
81022				Italy		70313*	80018*	Mississippi			20547
New Zealand		49594	49601	Japan	49674	60230	29500*	Netherlands	2272	29618	2259*
49915	49947	49948		29625*	29647*	39673*	39684*	40303*	80161*	80169*	80170*
Nigeria			9745	91031*	101731*	101805*		80183*	80212*		
Northeastern States			20941	Mediterranean area			29441*	New Mexico			101759
Oklahoma			29459	Mississippi			70483	North Carolina			90985
Oregon			2806	Netherlands			20373	Ohio			29493
Pakistan		40144	101657	New Jersey			29468	Pakistan			101657
Poland	2121*	20798*	29452*	New Zealand			20705	Pennsylvania			2274
49608*	49627*	49628*	49634*	North Dakota			20522	Pyrenees			80198*
49773*	50166*	50187*	50284*	Poland			90983*	Spain	60247*	70302*	70297*
58896*	60298*	69512*	79980*	Portugal			49753*	Tanganyika			70439*
91308*				Senegal			70271*	USSR	39840*	39842*	39851*
research methods				Sicily			70433*	60289*	68547*	80211*	
statistical			79966	Turkey			20415	Vermont			29634*
reviews			48382*	USSR	11317*	20424*	39784*	Wisconsin			80163
Rumania	20788*	29964*	37545*	49714*	49775*	49799*	70306*	properties	902	1011	1229
101756*				80080*	80175*	90861*	101872	2115	2117	2480	11194
South Carolina			49631	United Arab Republic			60809	11274	20394	29453	30273
Sudan			90804	Vermont			79935	39665	48852	49592	49610
Sweden	68338		68360	West Virginia			80032	49615	49660	49668	49858
Tasmania			100088	Wisconsin		2284	90932	50394	60061	60079	60093
Taiwan			40169*	Yugoslavia			100240*	70284	70649	79791	79930
Tennessee		29457	49632	oxidation-reduction potential			11279	79938	79974	80048	81021
Texas			2516	20433	20483	20485	80040	89329	101679	102097	102288
Tunisia			18864*	80058	80102	39724*	49679*	11454*	11712*	14585*	29450*
Uganda			89755	49715*	49717*	49724*	70288*				
USSR	40237	49669	79975	101781*							
79982	2094*	2137*	2464*	particle size	11261	29443	90812				
2477*	2487*	2553*	19683*	2133*	49602*	49645*					

	Item					Item					Item			
Soils--Cont					Soils--Cont					Soils--Cont				
properties--cont					structure--cont					surveys--cont				
29463*	29510*	29765*	39639*		70279	71128	79938	79956		Pakistan			11432	
39642*	39680*	50359*	60070*		79976	79989	80082	80163		Pennsylvania	2273		29598	
60089*	70192*	70248*	70261*		91212	1186*	2092*	2099*		Poland	2262*		49912*	
70266*	70334*	80024*	80070*		11172*	11206*	11366*	12177*		Republic of South Africa			29591	
80289*	81263*	89338*	101649*		20379*	20382*	29438*	29871*		Rumania	39819*	39829*	39833*	
101667*	101684*	101687*			29872*	39641*	43541*	49602*		39834*	39857*	39862*	39864*	
Arctic Region					49607*	49622*	49634*	49636*		49847*	49850*	60240*		
Australia			20406		49644*	49771*	49875*	49894*		South America			70434	
British Guiana			102190		49896*	60063*	60077*	60088*		South Carolina			20540	
Bulgaria			2138		60092*	60100*	60113*	60198*		South Dakota			66461	
California			102284*		70234*	70250*	70256*	70422*		Swaziland			80183	
Canada	11803	20397	101884		70679*	70680*	79925*	79926*		Tanganyika		70423	80240	
Florida			91119		79950*	79955*	79979*	80122*		Tennessee	20549	29611	101848	
France			2260		80161*	80478*	90805*	90824*		Texas	20516	20557	60242	
Germany		49641*	50137*		91021*	91217*	101652*	101676*		90988				
Ghana			60092*		bibliographies		70468	101881		USSR	29617	2254*	2257*	
Great Plains			49688		conferences and congresses		70237*	70237*		2278*	2289*	2378*	11373*	
Hungary		39725*	29623		subsidence	20483	90818	90833*		11390*	11398*	11413*	29595*	
India	11189	11196	60241*		surveys	11385	11435	29646		29622*	60080*	70421*	70424*	
Japan	60171	20452*	63422		80157	80172	80180	80182		70437*	70442*	70450*	90992*	
49673*	49871*	101865*	40083*		80215	87310	87330	80174*		Washington		60248	61048	
Kansas			80167		90974*					Wisconsin			70449	
Louisiana			70309		Alaska			29631		Svalbard			60258*	
Maine			29445		Albania			70453*		Sweden			90869*	
Michigan			80405		Arizona			80173		Switzerland			11164*	
Mississippi		20547	71154		Australia	537	20518	20541		temperature	939	1090	1212	
Netherlands	2098*	20388*	80514*		29588	29636	70447	80177		2093	2516	8988	9054	
New England States			21200		80200	101703				9179	9295	9253	10013	
New Zealand		49594	49611		Banks Island			90996		11180	11217	12018	18172	
North Dakota			80066		Belgium	101855*	101856*	101870*		18837	19190	20368	20405	
Oregon			79991		101876*					20796	27369	27843	28028	
Pakistan			39602		bibliographies			29643		38186	39646	39714	39949	
Philippines		2124	70279		Bougainville			49909		47262	47432	47632	48191	
Poland	1467*	50065*	50764*		Bulgaria		39822*	39865*		49588	49603	49610	49614	
59381*			39671*		Burma			90993*		49660	49662	49664	49665	
reviews			101670*		California			77656		49676	49695	50188	58524	
Rumania	80464*	90827*	101670*		Canada	11404	11410	49908		58830	59292	60075	60081	
101682*			70302*		20535*					63944	69006	69111	70374	
Spain			60068*		China			102530*		70662	77742	78350	78415	
Taiwan			101706		Colombia			80178*		78568	78554	79932	81027	
Texas			2279*		Czechoslovakia			20524*		84636	89758	90806	90820	
USSR	81002	2265*	29760*		Estonia	20550*	60253*	60259*		90884	95086	99497	101639	
12178*	20472*	29460*	39760*		90997*			39830		101686	101783	101811	2120*	
39840*	39856*	40565*	49646*		Europe			29612		11200*	11212*	11214*	11299*	
60157*	70244*	79962*	80554*		Georgia	2288	20562	29612		27995*	29485*	38195*	39639*	
91137*	91522*	91528*	91624*		90982					39647*	39654*	42658*	48316*	
101849*	102084*		58482		Germany		11381*	2736a*		49608*	49626*	57876*	60084*	
United Arab Republic			80725		East Germany			29592*		60085*	60224*	70236*	70317*	
102105			101683		Great Britain			90977		73229*	78581*	79940*	79963*	
Washington			90841		Hawaii			90978		79965*	81070*	90822*	90825*	
West Virginia			27442		Illinois	60291	70455	80144		bibliographies			2114	
proteins					80184	87326				Bulgaria			77535*	
Republic of South Africa					India	29629	80192	90967		determination		2122*	29472*	
research methods					101859					90815*				
statistical	20428	20471*	29937*		Indonesia			70459		determination equipment			49658	
40030*					Iowa			49895		79943			2270*	
Rumania	11418*	39857*	39862*		Japan			80204		terminology			78046	
39863*	39864*				29619*	29624*	60250*	29610*		Texas	2118	2444	11189	
saline SEE Saline soils					Kansas		49853	60275		texture	20453	20522	49647	70522
sampling	2119	11210	11296		Kentucky		29645	90960		80169*	80212*	80356*		
20413	27372a	49720	80014		Kenya			80149		Tropics	2175	20422	60145	
90832	11205*	11352*	49620*		Louisiana			29621		73144	70250*	79947*	80193*	
60074*	70416*	79959*	101638*		Maine	39825	49863	90961		types	11022	11208	20377	20422
sampling equipment	11213	70257			Malagasy Republic			90999		23096	27397a	39832	49899	
79936	29462*	90836*			Malaysia			70440		80079	80084	80215	90980	
sandy SEE Sandy soils					Maryland		2283	101863		101697	101705	2220*	2263*	
sanitation	501	512	522		Mexico		39847*	49898*		39697*	49894*	50321*	60120*	
11360	20494	30044	40357		Minnesota		16990	60244		60161*	70234*	90575*	101774*	
47359	47588	60220	60734		Mississippi		20538	20543		Africa			49855	70346*
60736	60737	70145	70840		49861	90970				Alaska			2282	49845
80728	88934	91363	91537		Mongolia			101835*		Albania			29599*	
101492	102288	1019*	2625*		mountain areas			90993*		Algeria			29620*	
2626*	2784*	9797*	11833*		Nebraska		60273	101836		Arkansas			95086	
21007*	21218*	30046*	30047*		Netherlands		39830	70430*		Australia	11377	11411	29639	
40353*	40356*	60738*	60740*		80143*					39838	59103	60235	70457	
77830*	80727*	99343*	99533*		Nevada			35511		80152	80191	102177	102178	
102287*					New Guinea		20552	29635		101720*	101882*			
reviews	47181	26990a*	11833*		New Mexico			20510		Belgium	29872*	70452*	78040*	
sanitation equipment			70277*		New York	60270	60271	81024		80179*				
Spain	80094	60139*	2100		New Zealand		11417	49838		Brazil	11383*	11433*	11434*	
structure	922	2103	11171		49907					80369*	101871*		2138	
2258	2264	11197	11201		North Dakota			60262		British Guiana			39843*	
11183	11193	20390	29449		Ohio		80186	80187		Bulgaria	29518*	39709*		
11376	20373	39721	39771		Oklahoma	20520	20526	39860		39865*	40016*	101840*		
29618	29641	60064	70246		49887	49900				California			11285	
48480	49859													

\*Text of this reference is not in English.



Soils-- Cont				Soils-- Cont				Solar radiation--Cont			
types-- cont				types-- cont				and equipment industry			
Canada	938	11371	16995	Western States	49854	49882		effects on animals		43715	
20363	20539*	50007*		Wisconsin		91330		effects on Apis mellifera		32970	
Carpathian Mountains			50009*	Yugoslavia	49902	20517*		effects on barley		28175*	
Chile	101873	101885	101845*	39852*				effects on cattle		62398	
101846*				USSR 80112	20421*	29471*	29568*	effects on citrus		58893*	
China		91002*	91163*	46688*	60057*	70533*	70686*	effects on cotton		48065*	
Congo			70454*	90821*	90822*	90995*		effects on Cysticercus cellulosae		86249	
desert areas			49854	United Arab Republic	60132	101654		effects on drugs		91939*	
Europe			60267*	101690				effects on Ennomos subsignarius		33379	
Finland	70293	80035	11409*	vitamins		101701		effects on Fagus		71344*	
France	39694*	50321*	60433*	Washington		80086		effects on fungicides		18952	
78454*	80154*	80165*		Western States	20477	57177		effects on insecticides		4665	
Georgia	59101	70649		wilting coefficient	48097	79971		effects on Lolium multiflorum		19231	
Germany	20262*	20551*	50037*	100140	48063*	49627*	78875*	effects on Pelargonium hortorum		38027	
50756*	76443*			101672*				effects on Pinus	81176	102607*	
East Germany	5624*	29592*		SEE ALSO Drainage; Fertilizers; Ir-				effects on plants	1272	18902	
70742*				rigation; Plants, indicator; Reclama-				18959	69086	69147	1191*
Ghana			80166	tion; Soil conservation; Soil erosion;				28363*	68340*		
Great Britain			49904	Soil science; Tillage; names of soil				reviews		68711	
Greece	39721	39927*		conditioners, soil constituents, and				effects on potatoes		100457*	
Hawaii	11298	39681		kinds of soil; and UNDER specific				effects on Quercus		48368*	
Hungary		60283*		subjects				effects on soils		90917	
Iceland		11403		Solan		29297*		effects on trees		99735	
Illinois	80168	80184	90868	Solanaceae	36822	99814	100503	effects on vegetables		38064	
91339				37890*	59799*	68560*	78194*	effects on wool		75112	
India			100534	Solanine			104895*	in coffee drying		44223	
Indiana			99736	Solanum				in fruit drying		25487*	
Indonesia			20552	anatomy and physiology		9650		in water heating		74276	
Israel			11388	Argentina		98860*		measurement	21073	40717	
Italy	39850*	49892*	90964*	biochemistry		1345	38603	78542	88066	19756*	27446a*
90965*	90966*	102215*		89919	69304*	77402*	100690*	27600*	36560*	68389*	77099*
Japan	2141	2160	2161	100691*				Solasodine		19266*	100691*
49910	60229	20563*	29614*	cytology	8601	18496	99894	Soldanella		78217*	98936*
29619*				Ecuador			77345*	Soldier flies SEE Stratiomyidae			
Louisiana			29621	genetics	18702	18742	37881	Solenia crocea		230*	
Maine	29445	70552		78255	78256			Solenopotes cappilatus		42535	
Massachusetts		29633*		hybrids		27776	68640*	Solenopsis saevissima		43198	
Mediterranean area		39844*		Peru			57626*	Solenopsis saevissima richteri		23163	
Mexico		70819*		pests			105614	32645	63379	63415	83165
Missouri		2382		plant parasites			68640*	104967	105070		
Mongolia		20514*		South America			49294*	Solenostoma			8787
mountain areas	49901	90963*		taxonomy	36830	57626*	77345*	Solidago		120	88376
Netherlands		101667*		77402*	98860*			Solidago gilvocanescens			98855*
New Guinea		27440a		Thailand			56	Solidago virgaurea	27831	79*	
New Jersey		79972		virus diseases			37425	Solifugae SEE Solpugida			
New York		29641		Solanum acaule			47847	Solisia SEE Mammillaria			
New Zealand		2268		Solanum aculeatissimum			88267	Solonchak soils	11304*	29510*	102239*
49881	49901	101957		Solanum amygdalifolium			39269*	Bulgaria			29572*
Niger		70426*		Solanum andigenum	9294	18315		USSR	49831*	50306*	70441*
Nigeria		39839		Solanum armatum		38625*		Canada	11229	11378	20607
North Carolina		90985		Solanum aviculare		19266*	19367*	USSR	49836	49891	
Norway		60277*		29417*	69210*			29473*	11401*	20680*	27457a*
Oklahoma	40005	68346		Solanum cardenasii		18315		29559*	29559*	29951*	49890*
Oregon		20944		Solanum carolinense		79814		60553*	60568*	70267*	70600*
Pakistan		58185		Solanum chacoense	59071*	98860*		80385*	80483*	89431*	
Pennsylvania		2274		Solanum cumingii		27667		Soloth soils			49677*
Philippines		70279		Solanum demissum	9294	18742		Solpuga			94747
Poland	29627	49844*	50190*	99634*				Solpugema			94747
60268*	60269*	80205*	80206*	Solanum dulcamara	59035*	68234*		Solpugida	53205	94747	94748
Portuguese Guinea		2295*		79045*	89918*	98980*		42943*			94748
reviews		60059		Solanum elaeagnifolium		43186		Solpugopa			94747
Rhodesia		11805		Solanum gilo		100051*		Solpuguna			94747
Rumania	2261*	11418*		Solanum grandiflorum		19393		Solubea pugnax SEE Oeobalus pugnax			
60236*	90963*	90989*	90991*	Solanum guineense		89132*		Solvents	21644	32381	55160
91072*	101869*	102042*		Solanum laciniatum	19266*	48348*		55636	55876	101717	7288*
Samoa		70458		Solanum lycopersicum SEE Tomatoes				26062*	26063*	26079*	26091*
Scotland		60274		Solanum melongena SEE Eggplant				34912*	48546*	55627*	55665*
Sicily		70433*		Solanum nigrum	38168	58463		66017*	71547*	92687*	
South Dakota		29924		9427*	48172*	49374*		Somatotropic hormone SEE STH			
Spain	60278	70302*		Solanum oceanicum		77311*		Sommatericola orientalis		53182*	
Sweden		70438*		Solanum pennellii		655		Sonchus		26840a	
Taiwan		60068*		Solanum phureja	27721*	47922*	100077*	Sonchus arvensis	78353*	101458*	
Tanganyika		49833		Solanum quitoense SEE Naranjilla				Sonchus bipontini		17646*	
Texas	20394	27431	101853	Solanum rantonetti	20064*	39140*		Sonchus oleraceus	9255	23042	
108516				Solanum rybinii		27721*		Sonneratiaceae		47829	
Tropics		20546	49855	Solanum setulosistylum		98860*		Sonora jumping cactus SEE Opuntia			
Turkey			20415	Solanum sisymbirifolium		38643*		fulgida			
USSR	49869	2257*	2265*	Solanum stenotomum		46828*		Sooty blotch			
2289*	11373*	11382*	11427*	Solanum tuberosum SEE Potatoes				apples		9099	
40067*	49870*	49884*	60080*	Solanum vernei	9294*			citrus		9099	
70432*	70443*	70445*	70450*	Solar radiation				pears		9099	
76140*	77130*			and building construction				Sophora japonica	39124	100110*	
United Arab Republic			90979	53907	54007	84719	24275*				
101847				64590*	64591*	64650*					
Utah			58829								
Vietnam			49607*								

\*Text of this reference is not in English.

	Item		Item		Item
Sophora microphylla	SEE Sophora	Sorghum-- Cont		Sorghum-- Cont	
tetraptera microphylla		culture--cont		planting--cont	
Sophora pachycarpa seed oil	26090*	Sudan	100868	Hungary	79146*
Sophora tetraptera microphylla	38342	Thailand	48748*	India	59234
Sophrontella	36829	USSR	19505* 28475*	Italy	19514*
Sophrontis	36829	48708*	90242*	Nebraska	100772
Sorbic acid		9399	9505	Northern States	48738
bactericide	66085	cytology	18526	planting date	1529 48320
effects on Aspergillus niger	1160*	37906		90077*	
78614*		defoliation	59223	planting equipment	28539
effects on cheese	85483*	disease resistance	344 79167	processing	63213
effects on fungi	28252*	79207		production regions	79146* 90036*
effects on Lasioderma serricorne		diseases	19113 37098	proteins	6544 68936
	14245	feed	22106 25095 41911	quality	38739* 90077*
effects on microorganisms	43936*	42239 51735 82926		seeds	4805
in food	15394* 43915* 74326*	30812* 52529* 82950*		drying	7426*
74348* 96115*		fertilizers	50180	microorganisms	68911*
in food processing	97354 54323*	Arkansas	29681	Rumania	59346*
55187* 97259*		Australia	49961	storage	9661 58543 78622
in wine	85099* 85146*	Colorado	60340	treatment	19113 58564
in wine manufacture	74560* 74635*	India	11448 20583	57886*	
Sorbic hydroxamic acid	6179	Kansas	68936	USSR	90077* 90242*
Sorbitol	64716* 96913*	Nebraska	60373	viability	9661 58543
Sorbitol dehydrogenase	3692*	Oklahoma	2405	1225* 68910*	
Sorbose	10222	forage plant		soils	2405 28446 89685
Sorbus		Australia	38690 79264 100922	storage	25686
anatomy and physiology	68812*	Colombia	19666*	Arizona	85896
Netherlands	46856*	Colorado	70748	pest control	83526
pests	43241	Illinois	59324	pests	83521
varieties	10765 28946	Italy	48802* 61667*	Senegal	75367*
vitamins	8353*	USSR	28638* 37224	Texas	85911
Sorbus alnifolia	49190	fungus diseases	357	varieties	9399 48320 51735
Sorbus aucuparia	50851	68127 68168		90031 99416	
1839* 52911*		Arizona	47244	Argentina	19493*
Sorbus torminalis	28335* 69751*	Australia	8851	Arizona	28555
Sordaria	78534	control	18137 57886*	Arkansas	48768
Sordaria fimicola	37888 68637	Hungary	57873*	Australia	48735
100520		New Mexico	99416	Brazil	48760*
Sordariaceae	36976	South Dakota	47307	California	10491
Sore mouth		Texas	47358	Chad	48679*
goats	42218*	genetics	774 815 9618	China	90003*
sheep	4409 13668* 42218*	18699 37899 37906 58386		Florida	90048
52424* 63073* 72822*	82844*	78313		Georgia	69514
Sorgho		germination	19113 19168 78622	Hawaii	19552
breeding	79409 101069*	78862 1225*		Illinois	59324
culture	28743* 90242* 101069*	harvesting date	1225* 68910*	Indiana	69424
feed	12518	harvesting equipment	5792*	Kansas	69449 79218
fertilizers	101914	95845*		Kentucky	48743
Hungary	16506*	hybrids	9399 10354 19226	Mexico	48676* 90059*
seeds	90242*	38847 90190 100922 100945		Nebraska	38704
varieties	38861 48988	100947 30812* 61667*		New Mexico	69416 79167
yields	101914	Australia	79264	99416	
Sorghum		California	10491	North Dakota	79299
analysis and composition	16079	Colorado	48715 69412	Oklahoma	59168
41911 25705* 30812*		Georgia	59189 69514	Puerto Rico	69385
anatomy and physiology	1212	Hawaii	19552	South Dakota	48681
9953 11448 19226 38353		Hungary	69447*	Sudan	100868
47961 48320 58778 68936		Italy	1501*	Texas	100950
78596 78767 89685 89687		Mississippi	69420	USSR	28499*
68911* 100472*		Missouri	59253	virus diseases	9242* 94263*
biochemistry	1298 10247	Nebraska	38704	weed control	20292 39538
38611 48585		New Mexico	69416	70154 90668 100771 100772	
breeding	10354 90031	Pakistan	38725 79150	101592 90727*	28539 101592
Chad	48679*	Pennsylvania	48836	yields	28555
India	79184	Rumania	91889*	Arizona	48768
Pakistan	38725 79150	South Carolina	69450	Arkansas	79336
South Carolina	79219	Texas	79207	Australia	70748
USSR	37862 28488* 100779*	USSR	28488* 100822*	Colorado	59189
consumption	69431	in brewing	25689	Georgia	59234
costs and returns	26918 76404	in pulp and paper manufacture	44844	India	69424
76434 108516		irrigation	40285 80565 29939*	Indiana	1501*
culture	69431 90015 100945	91312*		Italy	79218
101592 28510*		losses	42574	Kansas	48743
Australia	38689 38690 69429	male-sterile	18526 37862 47881	Kentucky	59253
79183		marketing	25095	Missouri	100772
Colombia	100810*	moisture	6977	Nebraska	69416
desert areas	28475*	morphology	9505 78172	New Mexico	79299
Florida	1498	nutritive value	27346	North Dakota	48738
Hungary	89996*	pest control	42596 63577 94291	Northern States	59168
India	20583	pests	4805	Oklahoma	
Italy	48802* 100787*	Australia	83339	research methods	
Japan	38728*	India	52899	statistical	19531 19532
Kansas	29850	Kansas	42574	South Carolina	69450 79219
Kenya	48692	Nigeria	63545	South Dakota	48681
Mediterranean area	89994	Tanganyika	83296	Texas	38694 59160
Nebraska	100771 100772	Texas	63577 20286	USSR	90077*
reviews	89995*	plant parasites	28446	SEE ALSO Broomcorn; Durra;	
Rumania	59346* 100989*	planting	19531 19532	Kafir; Milo	
		28539			

\*Text of this reference is not in English.



				Item					Item					Item
Sorghum	aluminum	1593		19619	Sorghum	blight				Soybean oil-- Cont				
	78586	79336	100944			tomatoes			27254a	properties				97184
Sorghum	arundinaceum			9558	Sorghum	cattle tick SEE	Boophilus			storage				55606*
Sorghum	cernum SEE	Durra				annulatus microplus				trade	36221			67323
Sorghum	flour			16136	Sorghum	corn rootworm SEE	Diabrotica			Africa				67355
Sorghum	germ oil			26010*		undecimpunctata howardi				Denmark				67285
Sorghum	grits			16136	Sorghum	green stink bug SEE	Nezara			Great Britain				67391
Sorghum	halepense					viridula				Turkey				67304
	control	10993	20239	49464	Sorghum	house mosquito SEE	Culex			United Arab Republic				67373
	90590					pipens quinquefasciatus				Yugoslavia				67346
	Arkansas			49471	Sorghum	masked chafer SEE	Cyclocephala			waste utilization				16327*
	chemical	20297	29170	70138		immaculata				Soybeans				
	90677	90709	101468	101494		Sorghum	mole cricket SEE	Scapteriscus		acreage and area				97262
	101507					acletus				analysis and composition				7322
	Kentucky			11030		Sorghum	peas SEE	Cowpeas		55006	55599	65999		79366
	Louisiana			59988		Sorghum	pine beetle SEE	Dendroctonus		86280	86284	26067*		65232*
	Mississippi			59962		frontalis				97247*				
	culture			79260		Southwestern	corn borer SEE	Zeadiatraea						
	fertilizers	29797		102067		grandiosella				anatomy and physiology				698
	fungus diseases			68168		Sovkhoz SEE	State farms,			949	1099	9522		9881
	toxicity			13833*		Sowing SEE	Seeds, planting			9907	9914	10077		10139
Sorghum	midge SEE	Contarinia				Soy	sauce	66008	64941*	18835	18843	19156		27819
	sorghicola						66053*	106805*		27927	37911	37923		47929
Sorghum	nitidum			47890		Soybean	bran		52541*	48148	48480	48524		58475
Sorghum	purpureo-sericeum			47890		Soybean	curd		52564*	58544	58709	58900		68690
Sorghum	sirup	26918		25083*		Soybean	flakes		44766*	68773	68829	68857		78216
Sorghum	starch			34894		Soybean	flour	55618	76883	78363	78384	78418		89453
Sorghum	sudanense SEE	Sorghum					35146*		26078*	89682	89685	89688		91896
	vulgare sudanense						feed for bees		72445*	99835	100483	944*		978*
Sorghum	vulgare SEE	Sorghum					nutritive value		83674*	9733*	9760*	9905*		28053*
Sorghum	vulgare sudanense						processing		108970	28150*	28218*	38128*		78631*
	anatomy and physiology			956			products		107761	94725*	100153*	100165*		100208*
	47961	48095	78767				properties		97258	100366*	100369*	100532*		
	culture			31216			proteins		86272	associations				16318
	Arkansas			59377			tests		55591	bacterial diseases				27271a*
	Bulgaria			90207		Soybean	meal		107739	biochemistry				1285
	Hungary			38837*			analysis and composition		30785*	38513	38638	48524		19434
	Nevada			90115*			consumption		16295	79080	10215*	48605*		69235
	Rumania	10385*	100989*	1618			culture medium		26141*	breeding	1643	38874		58378
	Virginia			59378			feed	6543	13452	68628				
	feed			81651				13770	13776	Japan				19682
	fertilizers	70634		10385*				51408	52171	Poland				38887*
	forage plant			1629				72568	72569	chemistry			7284	86280
	fungus diseases			357				93102	93152	conferences and congresses				55583
	harvesting			19595*				30785*	32356*	consumption	16305	55607		55611
	harvesting date			28629				82916*	83591*	55671	45102*			
	hybrids	1629	38847	48836			fortified			cooking				87760
	69575	90190					marketing			costs and returns	16921			26914*
	planting			28666*			nutritive value		17218	culture	69611	69613		79364
	proteins			28629			57147	30774*	51417	90217*				
	seeds	19595*		28666*			prices		75715	Argentina				79372*
	varieties	28555	48829	69514			processing	93102	34486*	Arkansas				28550
	79299						proteins	55666	65984	Australia				60535
	yields							82916*		Brazil				48896*
	Arizona			28555			situation and outlook		6543	Canada				89453
	Indiana			69424			toxicity		62789	China	38883*	91202*		106290*
	Nebraska			69575			trade	36221	36279	Florida				48934
	North Dakota			79299			Europe		36279	Georgia				28718
	Texas			28629			France		67323	Iowa				19695
	Virginia			48829			Great Britain		67391	Japan		28726*		79380*
Sorghum	vulgare technicum SEE						Japan		67306	Kansas				1644
	Broomcorn						Spain		67351	Kentucky				59413
Sorghum	hagenia	95440		95429*		Soybean	milk		55659	Louisiana				101049
Sorosporium	bullatum			88834			Asia		66010	Mexico	28713*			90212*
Sorosporium	holci sorghi			27181a*			coagulation		35207*	Mississippi				101061
	68185*	88774*					manufacture		55564	New Jersey				59403
Sound							nutritive value		57133	New Zealand				28714
	effects on animals	42096*		77498*			processing		55608	North Carolina				2466
	effects on Apis mellifera			83606*			waste		55565*	Peru				90223*
	effects on Ehippiger	95561*		95566*		Soybean	oil			Poland				38887*
	effects on insects	14403		33483			analysis and composition		7259	Republic of South Africa				69628
	42853	42876					16323	26139	45141	Rumania				100989*
	effects on poultry	32067*		42096*			7315*	26102*		Tropics				69627*
	production by animals	61790		93461			bibliographies	107774	107776	USSR	10473*	28736*		69610*
	63811	72671	81867				chemistry	75727	107699*	69621*	79305*			
	93039*						consumption		65982	disease resistance				18150
	production by equipment	64342					feed	32342	82560	diseases	251	8899		57751
	5709*	53875*	70912*				52530*			88674				
Sound (veterinary equipment)				12945*			hydrogenation	7259	65987	dried				107719
	13079*						97251	107758		enzymes	9881	11342		35171*
Soups	55432	55433	85023	64737*			industry	7241	7263	97183*				
	64747*	75751*	86178*				55574*		66055	fat and oil content				24501
Sour	cherry yellows						marketing		55610	feed				4511
	cherries			450			packaging		75715	13768	22555	22649		12488
Sour	oranges	37118*	38594*	65445*			prices		75715	52178	52549	52557		52177
	75275*	88629*					processing	45181	65987	93145	93174	104795		62729
Soursop				64029			7274*	26093*	45194*	12902*	62088*			4335*
Southern	armyworm SEE	Prodenia					products		7315*	fermentation	55614	55681		75710
	eridania													

\*Text of this reference is not in English.

	Item			Item			Item	
Soybeans-- Cont			Soybeans-- Cont			Soybeans-- Cont		
fertilizers	9760*	100532*	products--cont			yields--cont		
Arkansas		40086	sanitation	44766*		Mississippi	69616	70551
Brazil	11562*	80369*	situation and outlook	7278		101053	101929	
China		101992*	storage	86263	55176*	North Carolina		79241
Iowa		60445	trade	56990	57051	Ohio		28731
Japan	28150*	70658*	properties		65999	Rumania		20478*
Kentucky		48746	proteins	7254	7301	South Carolina		69623
Mississippi	70551	101929	26033	52557	55615	Virginia		90221
Nebraska		60373	57083	65999	68857	Space biology	88118	88128
Nigeria		101948	86273	86284	89427	88173	88177	98713
Rumania	20478*	91045*	97265	100722	100723	98715	98735	98742
Taiwan		60431*	bibliographies		107775	98775	98776	98803
forage plant	79305*	79318*	research methods			100352	103216	9408*
fungus diseases	337	393	statistical	75695	79370	conferences and congresses		88197
399	9171	27124a	38894*			reviews		77161
Canada		27231a	seeds	698	10331	SEE ALSO Astrobotany		
Delaware		77667	58369	100722	100723	Spadicoides		88511
Kentucky		48746	107876*		28075*	Spalangia		95288
Mexico		9019	situation and outlook	7278	7280	Spalangia drosophilae		95004
futures		16325	26133	75728	107716	Spalangia grotiui		95096
genetics	866	18690	Argentina		75726*	Sparassiaella n g		88548*
58369	58421	68628	Great Britain		16305	Sparassis		88548*
78418	27739*	58402*	Pennsylvania		55693	Sparaxis tricolor		9580
germination	27927	38592	Virginia		75678	Sparganiaceae	26881a	47648*
9818*	38894*		soils	9299	48480	Sparganium erectum		17659
harvesting		48944	89685			Sparganthis pilleriana	23867*	83398*
history		55619	China		101794*	94400*		
hulls	31710	72043	Japan	100366*	100369*	Spartina		99789
hybrids	58378	47916*	Rumania		20478*	Spartina juncea		36934*
industry	26129	35148	spraying and dusting		42588*	Spartina townsendii		9469
injuries		99192	storage	65232	107733	Spasmolytics		12637*
inoculation	29546	39767	tests	26147	97214	Spathelia excelsa		89199*
101782	101799	39788*	topping		10522	Spathiostemon		142
irrigation	29912	69611	trade	8230	8281	Spathius exarator		43196*
102197	102124*		27180	36221	36279	Spathosternum prasiniferum		106087
marketing	7280	7319	57051	67284	67319	Spaying		
55691	75715		76737	98263		cattle	82227	51896*
costs		7320	Belgium		67278	mice		72536
mechanization		84310*	China		87648	sheep		104716
morphology	9522	27499a*	Colombia		67301	swine	42320*	83054*
nematode resistance	10520	38874	Europe		36279	93879*		
nematodes	9292	37497	Germany	67287	67341	Spearment SEE Mentha spicata		
99715		47591	Greece		67322	Spearment oil	66060	27979*
control	9299	37521	Italy		67300	Specialized farming	87069	56559*
Japan		27373a*	Japan	8230	87648	Bulgaria	56482	66808
Tennessee		27968*	transportation		7320	87064*	97871*	108305*
nutritional deficiencies		37498	utilization research	7327	35203	conferences and congresses		87115
nutritive value	55006	57146	varieties	949	10520	Czechoslovakia	56446	56487
97237			28711	80296	79676*	56507	26848*	66839*
pest control	23242	42605	Bulgaria		79676*	108441*	108454*	
42588*			Florida		4797	developing areas		26851*
pest resistance	4797	23271	Hungary	28732*	79676*	Germany		108431*
pests	4797	14416	Japan	28729*	79367*	East Germany		97929*
23271	94725*	23198	Kentucky		48746	Great Britain		76316
planting	1502	38802	Mississippi	69616	101053	Hungary		35822
69611	28728*		New Jersey		59403	Italy	16836*	56462*
Arkansas		59404	North Carolina		79241	Japan	34663*	35785*
Kentucky		48746	Ohio		28731	97877*		
Taiwan		38894*	Pakistan		79366	Lithuania		7908*
planting date	37498	89453	Rumania	20478*	90214*	mountain areas		16836*
28729*			South Carolina		69623	Poland	87038	35804*
planting equipment		106290*	USSR		79318*	reviews	88556	108474*
policies and programs	25697		Virginia		90221	Sweden	76241*	86252*
55678			virus diseases	32791	37484	108368*		
prices	7280	16303	47541	68256	77874	USSR	56525	66728
75695	75715		vitamins		55673	16775*	16784*	16853*
processing	4511	13456	weed control	11065	70072	26747*	26757*	26774*
35187	52177	72043	Arkansas	39463	70137	26805*	35750*	35835*
86320	93145	93174	chemical	11098	29326	45998*	55833*	56503*
107749*		66053*	69611	89682	90639	66850*	66869*	76265*
France		7263	Delaware		90704	76338*	86953*	87024*
North Dakota		26129	Georgia		49418	87062*	96781*	97822*
reviews		45167	Kentucky		59994	108413*	108418*	108479*
Spain		65985*	New York		29386	108539*		
production regions		75715	Tennessee		70048	USSR bloc		26854*
products	7301	26021	Venezuela		79802*	Species concept	8642	8652
26033	55607	55614	Washington		70135	8783	8878	17593
55618	55678	55681	Minnesota		11086	Specific-pathogen-free animals SEE		
57146	65999	66000	Mississippi		59962	SUBHEAD germ-free UNDER Insects;		
bibliographies		107775	Southeastern States		49457	Livestock and names of animals		
Europe		55671	yields	1502	18690	Speckle		
Far East		45102*	69611	70072	70132	bananas	391	68181
futures		16325	80296			Speckled alder SEE Alnus incana		
Indonesia		107751*	Arkansas		10522	Spectrochemical analysis	68813	65992*
Japan		55611	39463	100142		Spectrography	70276	24376*
nutritive value	17241	86320	Iowa	19695	48744	in soil research	80036	49700*
proteins		55591			60445	49701*		

\*Text of this reference is not in English.



Item				Item				Item			
Spectrometry	6008	6761	34701	Spermatophyta-- Cont				Sphaerophoria menthastri		73681	
48474	58072*	89378*	106900*	Great Britain		88372		Sphaerophoria taeniata		73681	
in food research			106570*	Greece	110	8700	8701	Sphaeropsis		37032	
in fruit research			75278	identification			46801	Sphaeropsis dalmatica		83436*	
in plant research		11294	17540	illustrations			88372	Sphaeropsis malorum	57887	99464	
in pollen research			48562*	India		17783	36897	Sphaerophthalminae		23780*	
in soil research		2624	11294	Italy			36877*	Sphaerospora SEE Sphaerosporula			
Spectrophotometry		43899	46721	Java			67805	Sphaerosporula hinnulea		18683	
58836	77213	106556	26024*	Louisiana			88341	Sphaerotherca		99113	
in animal research			92838*	Malagasy Republic			77300*	Sphaerotherca fuliginea	68177*	77823*	
in cattle research			22181*	morphology	68512	18613*	89181*	77824*	99281*		
in chicory research			54452	99821*				Sphaerotherca humuli fuliginea		99463	
in coffee research			54452	Mozambique			8721*	Sphaerotherca mors uvae	57973*	88769*	
in dairy research		24844	34342	New York			46839	Sphaerotherca pannosa	18214*	37356*	
65049	65078	85317		Norway			26900a*	Sphaerotrichopidae		14474	
in dog research		13285	62470	Oklahoma			36780	Sphaerozetes		94678	
in entomological research			14794	Poland		89396*	89397*	Sphaerulina		99055*	
in fats and oils research			25835	Rumania			57638*	Sphaerulina rehmanniana		47214	
26016	7303*	26016*	26018*	taxonomy			67884*	Sphagnaceae		57676*	
26019*	26056*	26101*	26102*	reviews			46888*	Sphagnum	10591	49761	71251
45157*	45159*	55575*	65192*	Uganda			17729	2104*	86130*		
75552*	75674*	75677*	97200*	USSR			8659*	anatomy and physiology		58842*	
107598*	107742*			Venezuela			17636*	biochemistry	100643	1405*	
in food research		6014	15389	Spermatozoa			41195	cultures	58842*	89668*	
24374	6046*			asses			31662*	Estonia		101734*	
in Hevea research			89882	buffaloes			92166	Netherlands		88455*	
in lignin research			71504	cattle	3358	3390	12784	Sweden	46944*	94863*	
in peanut research			7293	21966	22177	31082	31110	Sphagnum girgensohnii		67915*	
in plant research		38366	38504	31124	32201	41429	62006	Sphagnum subfulvum		37616*	
38638	48211	68853	78347	62020	62021	62046	71927	Sphalmanthus	26839a	46825	77307
9258*	79012*	100104*		71929	71942	81959	81976	Sphecidae			
in poultry research			72553	81980	81985	81986	82009	Afghanistan		95284*	
in soil research		60143	60152	82010	92166	103421	103458	Africa		73762*	
60130*	70270*			103480	103481	103488	103500	Arizona		5467	
in sugars research			26307*	31117*	41441*	71914*	81939*	as predators		23687	
in swine research			42231*	103460*				Asia		14815*	
in tobacco research			26348	Culex pipiens			5357*	biology	14829	53436	95289
in wine research			24667*	Culiseta inornata			105789	95326			
in wood preservation research			51130	dogs			62470	Eastern States		33324	
in wool research			75069*	Drosophila		64014	105758	ecology		95294	
Spectroradiometry			67765	Drosophila melanogaster			5217	Florida		23792	
Spectroscopy	1351	6552	7332	5269	23670	23699	83929	habits and behavior	14814	84078	
55684	81821	86270	91781	83931	83966	83997	84004	95328	14829*		
96804	97244	106926	85312*	84006				Malagasy Republic		14816*	
in fats and oils analysis			55576	goats		82009	63015*	Mediterranean area		43224*	
in food research				insects			94642	Nearctic Region		84101	
reviews			6018*	laboratory animals			72506	Neotropical Region		33331	
in insecticide research			105003	Nasonia			14828	nests	23791	23792	84078
in lignin research		51326	51327	Odonata			53554*	95359			
in plant research			89305*	Periplaneta americana	14933		23932	Netherlands		33295*	
reviews			78406	Pieris brassicae			95559*	North America		5447	
Spectrotropha sordidalis			14208	poultry	62683	62689	62694	Palaearctic Region		95283*	
Speleognathidae	5068	63853	42915*	62700	72704	82529	82538	parasites	33322	95326	
Spelt	22076	100023	88407*	82544	93038			Philippines		14815*	
Speoseya n g			83762	rabbits	4292	32139	62994	populations		43224*	
Spergularia marginata			17752*	72700---	72702	72704	82708	predators		95326	
Spergularia tangerina			88354	Scorpionida			14417	prey	23791	95289	
Spermathecae		83872	63861*	sheep	13631	32188	32189	Southeastern States		95347	
Spermatocytes	23717	53367	73870	32201	72730	52367*		taxonomy	14800	33312	33313
95235	14882*	106101*		swine	13757	52504	72914	95334	43234*		
Spermatogenesis				82899	42231*	42232*		Sphecinae		53426	
Apis dorsata			94537	turkeys			104236	Sphecini		53426	
Bombyx mori		42842	105496*	viability			12463*	Sphecius speciosus		95328	
Calliphora vicina			43116*	Spermophora			94770*	Sphecoidea		33323	
Ctenolepisma urbana			14974*	Speyeria atlantis			105968	Spheganovarus		73733*	
Drosophila			33133	Speyeria egleis tehachapina			95412	Sphegidae SEE Sphecidae			
Drosophila melanogaster			5275	Sphacelia segetum	9732*		10176*	Sphegigaster		73748*	
5319	33136	33179		Sphaceloma hesperethusa			37259	Sphenarches		95556	
Ictinogomphus rapax			23962	Sphacelotheca cruenta	68168	68185*		Sphenophorus cicatristriatus		52980	
insects			5045	Sphacelotheca reiliana	344	357		Sphenoptera csikii		94932*	
Laccifer lacca			14773	88727*				Sphenoptera kaszabi		94932*	
Lepisma saccharina			14974	Sphacelotheca sorghi	18699	68185*		Sphenoptera sinuosa		88713	
Pantela flavescens			23962	Sphaerella bacillifera		99106*		Spherophorus necrophorus	93694*	63334*	
Pieris brassicae			95559*	Sphaerella linorum		338					
Psyloidea			33285	Sphaerellopsis		8801		Spheex		33331	
Stenobothrus viridulus			14925	Sphaeridiotrema globulus		93372*		Spheex (Chlorion) SEE Chlorion			
Spermatophores		14446	43000	Sphaerocarpus donnellii	18655*	47819*		Spingidae		64233*	
43243				47835*	89243*			Africa	33407*	105988*	
Spermatophyta				Sphaeroceridae		5309	33188	anatomy and physiology		23866	
abnormalities			27505a	73665	105759			Australia		43258	
Africa		36905	77300*	Sphaerodema severinii			95165	China		106014	
anatomy and physiology			37620*	Sphaeroderma		14562*	43024*	Congo		5522	
69040*	89396*	89397*	99821*	Sphaerolecanium prunastri SEE				Great Britain	33367	84181	
Austria			156	Lecanium prunastri				hybridization		106016*	
biochemistry		59057	28370*	Sphaeroliodes			63932*	Japan		33404*	
fungus diseases			88825	Sphaeroliodes rufescens			63932*	larvae	5532	23844	
genetics				Sphaeromides bureschi			63894*	Mexico		95386	
reviews			47861*	Sphaeronema		521	37032	nutrition		43306	

\*Text of this reference is not in English.

	Item			Item			Item	
Sphingidae--Cont			Spiders--Cont			Spindle tuber		
rearing and breeding	106047		parasites	5104		potatoes	58078	58079 99565
rearing and breeding equipment	43306		Poland	33066		Spined rat louse SEE Polyplax spinulosa		
Sphinginopalpus	73610*		population	5115	14460	Spinellus macrocarpus		100518
Sphingonotus caerulans	84198*		prey	5115	23915	Spinning	6651	34550 34581
Sphingonotus tsinlingensis	95563*		pupal cases	75330*			34612	96742 34602* 54869*
Sphingosine	78865		Rennell Island	105552			75157*	
Sphinx	95386		reproduction	42907*		equipment	15882	15883 64245
Sphinx kalmiae	23829		research methods				65293	96729 96750 107154
Sphinx ligustri	53508*		statistical	53223*			6669*	15833* 15875* 75108*
Sphodrocephus n g	5116		reviews	14470			85598*	85599* 96761* 107199*
Sphodrocephus tridactylus	5116		Rumania	23544*		Germany	54914*	65356* 85645* 85646*
Sphondylotamnion multifidum	8809		sonification	33049	73526*			44523*
Sphyracephala SEE Sphyracephala			South America	105555*		Italy		25223*
Sphygmomanometer	62542	72440	Spain	23551*		Japan		54779
Sphyracephala hearseyana	14670		Tatra Mountains	42932*		reviews		
105745			taxonomy	33068	42944 105557	SEE ALSO UNDER names of fibers		
Spicaria	33447	57724*	105572	94770*	94803*	Spinobactra SEE Bactra (Spinobactra)		94729
Spicaria pracina	78143*	83698*	Texas		42514	Spinotarsus		63858*
Spices	44149 85123 101614	74566*	variation	63863*	94731*	Spinturnicidae	94700	63858*
79874*			venom	4722	42498	Spinturnix		14421*
analysis and composition	24716		42499	42514	42559 105094	Spinturnix plecotinus		42896*
85121 86292			105459	105560	4757*	Spiracles	14553	63833
bacteria	54419		webs	33063	83789	Bombyx mori	23488*	23489*
bibliographies	34282		Western Hemisphere	105572	16319*	Ictinogomphus ferox	106142	106143
cooking	98366		Spikenard oil		95059	Simulium ornatum		73637
history	74657		Spilarctia lubricipeda		64094	Spiramycin		31354
industry	74657		Spilococcus indecicus		84071*	effects on cattle		41900*
pests	83527*		Spilococcus nanai		105936	effects on poultry	4067*	93160*
trade	87665		Spilonota		23303	42034*	52250*	93049*
SEE ALSO names of spices			Spilonota ocellana	14192	64206	effects on quail		31905*
Spider mites SEE Tetranychidae			23319	23888	95669	effects on swine	4491*	4515*
Spiders	4722		Spilopsocus n g		64278	32384*	72941*	93807*
abnormalities	53178*		Spilopsyllus cuniculi	33505	84159*	therapeutic use	72624	22661*
Africa	83782		64279	106139	23896	31953*	42282*	62909*
anatomy and physiology	5073	33063	Spilosoma imparilis		23896	Spirillizine		
94703 105549 105550		42931*	Spilosoma lubricipeda		23896	Spirits SEE Alcoholic beverages		
53171* 53175*			Spilosoma lutea		73723	Spirocera lupi	13224	22323
Argentina	63862*	63864*	Spilostethus		9691	31619	62492	103956
Arkansas	5115	94801	Spinach		9691	Spirocercosis SEE Esophageal worms		
as parasites	94693*		anatomy and physiology	954	38037	Spirochetosis		
as predators	94457	53171*	9799	18803	37489	ducks		72657
Australia		105573	48211	58577	58802	poultry	82596	4686*
Belgium	5093*	14452*	89442	100183	100359	62825*	63523*	93204*
biochemistry	33063		9820*	10098*	28276*	control		62800*
biology	33042		38095*	58712*	58775*	immunization		13549*
bites	4722 4757 23119	42529	biochemistry	1350	10171	transmission		94202*
52780 23176*	83217*	94714*	19273	19274	19300	treatment		62865*
Brazil		23552	38636	48512	48607	vaccines		13549*
Canada		14445	58956	58964	59048	Spirodela oligorhiza	1401	37715
Central America		94692	69232	69288	100572	Spirodela polyrhiza		18927*
cocoons		5097*	100710*		44613	anatomy and physiology		28119
collecting	14460	42922*	canned		90492*	89154	89159	68802*
color	33066	33067	culture		99893	78629*		78501*
communication		5113*	cytology		99957	virus diseases		47513*
control	23170	32694	diseases	9042	37489	Spirogyra	26925a	48489
cytology		53204	105203		57871	89154	28133*	99031*
development	33041*	73514*	enzymes	19331	59023	Spirogyra elliptica		99031*
digestion		94750*	fertilizers	60424	91070	Spirostanol		38643*
Eastern States		14445	for processing		49323*	Spissustreptus SEE Thyropygus		
ecology	53189*	63879*	frozen	6743*	54972*	(Spissustreptus)		
eggs		63870	genetics		58412	Spittlebugs SEE Cercopidae		
embryos		33041*	harvesting equipment		106313*	Splachnum ampullaceum		100004
France	94702*	94749*	morphology		78229	Spleen		
geographic distribution		63852	pest control		94289	cats		93543
53223*			varieties	20179	70013*	cattle		72214
Germany		94803*	vitamins		67448*	dogs	14017	31607
East Germany	42907*	42922*	weed control		60012	52015*	92711*	
53172*			yields	37489	60424	diseases	3904	41747
Great Britain	33050	63852	Spinach leaf miner SEE Pegomya hyos-			goats		4426
94706		94684	cyami			guinea pigs		62654*
habits and behavior	32694	94684	Spinal column			horses	52116	62635
105563	42936*	73530*	cats	41749	103964	poultry	62877	93322
94743*		94693*	cattle	22251	72302	rabbits	93543	104537
hearing		73526*	22148*			rats		104199*
India	42951	53204	diseases		103234	sheep		22792*
in folklore		94714*	dogs	3832	3837	swine	82979	63251*
Michigan		33039	31572	31618	103964	93817*	104880*	23319*
Micronesia		83803*	diseases	3859	3870	Splints		82381
mimicry		33066	31560	72431*	82384*	Split-leaf blotch		
Morocco		33044*	treatment	31591	104003	hops		99623
Nearctic Region		63884	goats		42208*	Spodoptera exempta		
Neotropical Region	63884	83787	guinea pigs		92960	bibliographies		95381
Netherlands	53188	94724*	hamsters		104189*	Spodoptera exigua	32786	43240
nomenclature		73527	poultry		93316	105199*		
North America		32694	sheep	32282	93642	Spodoptera littoralis		105980
outbreaks		63716*	swine		32456	Spoggosia bezziana		95071
Pacific area	42498	42499	Spindasis		23831	Spoil banks SEE Strip-mined areas		

\*Text of this reference is not in English.



	Item			Item			Item	
Spolas n g	23812		Sprays and spraying-- Cont			Squash		
Spoliatogonus SEE Thyropisthus (Spoli- atogonus)			equipment--cont			analysis and composition	44785	
Spongiochloris	36971	46950	Canada	33770		anatomy and physiology	38036	
Spongomorpha indica		67925	Denmark	64528*		culture	10956	39340
Spongospora subterranea	58279	99355	deterioration	64534		70042	79734	90500*
57961* 68150* 68178*		88748*	France	84567*		diseases	255	18337
Spontaneous combustion SEE UNDER			Germany	5842*	5844*	47416		27325a
Hay; Oilmeal; Starches; Sugar;			43669* 43673*	53815*	53817*	flavor and odor		44785
Sugar beets; Wood; Wood chips			53818* 53819*	53822*	64526*	genetics		38036
Sporadic bovine encephalomyelitis SEE			106369* 106371*	106372*		pest control	255	73225
Encephalomyelitis, cattle			East Germany	43667*	53806*	pollination		83638
Sporidesmin	19283	22834	95924*			processing	44770	44785
Sporidesmium		8858	Ghana		24162*	yields		70042
Sporobolus indicus		36799*	Great Britain	15226	53825	Squirrels	50833	73755
Sporobolus poireti	20302	39518	Guinea		24162*	as pests	2852	61200
70124			Hungary	24166*	53811*	control		21343
Sporocadus	57741		India		33773	pests	14961	53191
Sporocytophaga myxococcoides	70344*		Italy		42581*	STA		38015*
Sporodinia pholioti	88539*		Japan	32641*	33784*	Stable fly SEE Stomoxys calcitrans		
Sporormia leporina	18598*		95922*		84589*	Stachybotryotoxicosis	52231	62319*
Sporotrichosis	104135*		maintenance and repair	15233*		62637*		
Sporotrichum	99105		53820* 84581*	95928*		Stachybotrys	8879	67933
Sporozoa	33030	52293	Mississippi		74141	Stachybotrys aurantia		17916
Spot blotch			Netherlands	15229*	24161*	Stachybotrys bambusicola		99122
barley	395	9031	New Zealand		22149	Stachys sieboldi		99939*
Spotted alfalfa aphid SEE Therioaphis			Norway	24168*	84580*	Stackburn disease		
maculata			operation	15219	43672	rice		47398
Spotted cucumber beetle SEE Diabrotica			64532	74134	74144	Stackhousia		88304
undecimpunctata howardi			53807* 53808*	53813*	53824*	Stactobia		106131
Spotted cutworm SEE Amathes c-nigrum			84576* 84581*	84583*		Stactobia monnioti		106126*
Spotted fever	14063	52785*	parts	63460	53812*	Staggers		72800*
Spotted wilt			Poland		84575*	cattle		72220
tomatoes	9197	18272	purchasing		84574	sheep	93685	93688
47540	77916	47466	Southern Rhodesia		15230	82794*		
Sprays and spraying	267	989	Tanganyika		43668	Staghorn sumac SEE Rhus typhina		
37039	37132	39555	terminology		64531*	Staghorn fern SEE Platycerium		
47155	67998*	47126	tests	15223	33779	Stagonomus		105863*
adjuvants		57797*	5843* 43666*	43674*	64536*	Stagonospora bromi		99419
application	14003	14151	types	15227	68278	Stagonospora bulgarica		99522*
33782	47151	57786	95920* 106376*		84587	Stagonospora gigantea		88846
23323*	24161*	33781*	USSR	83195*	84586*	Stain technology	6613	54521
84585*	88567*	94319*	106379*		95703*	55353	55454	78103
calendars and programs		13995	formulations	14196	23074	85291	85300	87847
57807	77565	83532	63644	63690	73110	98786	107133	54555*
Arkansas		77492	23323*	27052a	47074*	in animal research	12660	3721*
Austria		68066*	Germany		47114*	12538*	12606*	30759*
Canada	18010	57814	hazards and safeguards		42642	30885*	51603*	81809*
88633	99153	100410	83241	84570	41364*	103170*		91981*
Connecticut		47161	88613*		77634*	in bacteriological research		51507
France		105319*	Italy		106377*	103698	106069	91926*
Germany		37119*	labor		85863	in cattle research	31323	62021
East Germany		88578*	legal aspects		47178	62046	13154*	31117*
Italy	52914*	68067*	low volume SEE Sprays and spraying,			82194*		72221*
Japan		42714*	concentrated			in dairy research	65080	65096
Kansas		88653	Netherlands	47062*	47104*	in dog research		41745
Maryland	37067	68023	oil	15226	37200	in entomological research		5596
Minnesota		68041	particle size	2038	23398	13906	105867	94520*
Mississippi		99180	29344	42415	42420	in fiber research	12376	13711
New Hampshire	37089	37090	residual effectiveness		23323*	in meat research		97079
New York		83420	tests	14031	23323*	in mouse research		104214
North Carolina		57769	Texas		47100	in plant research	8548	8558
Ohio		68053	SEE ALSO Dusts and dusting; Fungi-			8568	8576	8577
Oregon	68054	88637	cides; Growth substances; Herbicides;			8599	8601	8603
Poland	47124*	68003*	Insecticides; names of sprays; SUB-			8622	8628	8634
88643*		88612*	HEADS UNDER Aircraft; and SUB-			17540	18515	36606
Washington		68092	HEAD spraying and dusting UNDER			46734	47806	67751
concentrated	318	15219	specific subjects			18591*	18623*	27548a*
17939	23082	26993a	Spreading decline			27620a*	88117*	99847*
37100	43659	43670	citrus	491	69719	in sheep research	13675	82860
47133	58022	77499	Sprecodes n g		77953	82878		
94397	105029	105180	Spredda process		85047*	in soil research		11204
18918*	52787*	83340*	Spring cankerworm SEE Paleacrita verna-			in virus research		99642
costs	52969	77565	ta			Stakes	21456	43526
106374*		42581*	Spring dead spot			40826*	61402*	81343*
deposits	13940	43677	Cynodon dactylon	47079	47094	Stalk rot		
87828	98441	84569	Sprinkler irrigation SEE Irrigation, over-			corn	9164	27248a
dictionaries		84571*	head			68116	68238	77863
equipment	267	9120	Spruce SEE Picea			sorghum		47307
14163	15221	15231	Spruce aphid SEE Aphis abietina			Stallions		
23118	33771	33772	Spruce budworm SEE Choristoneura			anatomy and physiology		13346*
43654	43662	47491	fumiferana			92864*		
53816	53821	63639	Spruce-fir SEE Picea abies			and heredity	31658	72465*
64527	64535	74143	Spruce needles	61057*		diseases	62591	62627
94039	95929	57980*	Spruce spider mite SEE Oligonychus			fertility		22393*
84571*	84572*	106375*	ununguis			habits and behavior		61616*
Austria		64522*	Squalene	6736	82572	pedigrees	13358*	13359*
Brazil		15228*	48641*	7270*		Poland	72466*	92867*

\*Text of this reference is not in English.  
 \*\*Text of this reference partially in English.

			Item				Item				Item
Stallions-- Cont				Staphylococcus-- Cont				State farms-- Cont			
records and testing	13350	31657		swine	104850			Germany			
41826				Staphylococcus aureus	13145	32234		East Germany	56375	15207*	
selection			31655	48598*				106350*			
Sweden			104091*	cattle	103630			Ghana			35763
weight and measurement			92867*	dairy products	6362	6499		Hungary			96922*
Stalls	52000	53949	43774*	85339	31391*			labor			
62468*	84671*		51632*	dogs	103960			China			76095
construction	64610	106435	53933*	food	6049	6136	24362	Germany			
53940*	53945*	64597*	96022*	34017				East Germany	66942*	108200*	
costs			74218*	man	103960			Hungary	97675	26573*	35544*
Czechoslovakia			43786*	poultry	82605			45612*			
designs and specifications			84660*	rabbits	93557*			Poland	56230	35550*	35554*
equipment			64621*	reviews	30873			35653*	56461*	64631*	66539*
Germany	53909*		53979*	Schistocerca gregaria	63442			66775*	86716*	86977*	108221*
East Germany			64387*	Supella supellectilium	53536			USSR	26545*	26570*	35522*
Great Britain	24229	24242		Staphylus hayhursti	95434			35548*	45596*	66538*	76099*
insulation			53962	Starches				86715*	86726*	86773*	108197*
Italy			95981*	analysis and composition	6032			108222*			
lighting			33879*	6033	24353	24354	24357	management			
Norway	24242	41719*		24375	24390	25340	43904	China			35806
remodeling			43785*	43917	43953	54134	64753	Czechoslovakia	56387	56446	
sanitation			12760*	74333	24370*	24386*	25100*	56507	66835*	87109*	
ventilation	53962	15301*	53958*	25650*	74320*	74329*	74346*	finance			
Stam F-34	11090	49472	63532	74357*	106584*			Poland	26448*	86619*	86620*
79765	90693	90697	101463	chemistry	25582	34006	34021	Rumania			56077
101548	20300*	81035*		51269	54132	54134	64767	USSR	56072	35772*	56064*
Standard of living SEE Cost and standard				74350	84814	6020*	15395*	56070*	108073*	108429*	
of living				25579*	43939*	64748*	74329*	Germany			
Stangeria			17802	75456*	85929*	106567*		East Germany	66816*	87100*	
Stangeria eriopus			68423*	color			74363*	Hungary	35822	7894*	26896*
Stangeria paradoxa SEE Stangeria eriopus			1438	damage		55267	55335	Poland	16670*	33553*	33831*
Stanleya pinnata			49274	deterioration			24352	33834*	35795*	35796*	43643*
Stapelia	55	36858	49274	effects on Bombyx mori			73458	56461*	66775*	67021*	73926*
Stapelia variegata			37702*	enzymes	74333		85995	76294*	84640*	86977*	97919*
Stapeliaceae			77359	history			74310*	108387*	108460*		
Staphylinidae				hydrogen-ion concentration			6755*	Rumania	56430	56501	26844*
Africa	5173	73582	73607	hydrolysis			74357*	45845*	45865*		
5149*	14518*	14519*	14521*	hydrolyzates	6028	24354	106697*	USSR	56383	56488	66854
23599*	94902*	105672*		hydroxyethylated			55342	3286*	7839*	7900*	16775*
Alaska			73592	in cattle nutrition		12892*	12926*	16850*	16868*	16986*	26769*
anatomy and physiology	5137	43005*		103543*				26874*	35839*	45769*	56398*
94901*				reviews			41501*	56447*	56503*	66781*	66804*
as predators			5120	in meat products			75538*	66834*	76242*	76323*	86715*
California			94838*	in poultry nutrition			41952	86736*	86981*	87024*	87083*
Congo			63943	in sheep nutrition	42146		32213*	87128*	108197*	108487*	
Europe			94904*	in sheep physiology			52482	Yugoslavia	56372	56403	76324
France			23597*	industry	15366*	64715*	64716*	mergers			97805*
geographic distribution			42965*	74302*				Poland	56440	41200*	72343*
Great Britain	5119	33101	73551	microorganisms			37010	productive capacity			
73553	73583			moisture	43941*	106582*		Czechoslovakia	56363	87068	
identification			5214*	processed		106648*		Hungary		56515	
Italy			23597*	processing	24512	25587	16014*	Poland		87017*	87019*
Japan			53276	44883*	64888*	74500*	74526*	USSR		87023*	108487*
Madeira Islands	83858*		83895*	properties	24375	51269	54125	Rumania	55291	76267	76335
Mongolia			94961*	55342	74333	74350	24386*	1478*	22306*	62680*	76334*
mountain areas			94904*	43943*	64751*	64774*	74329*	90037*	90056*	91783*	
Nearctic Region			83870	regulation and inspection			64817*	statistics			
Nigeria			73601	106648*				USSR	35778	56426	56525
nomenclature			105682*	situation and outlook	65404*	74303*		4316*	7873*	7904*	53611*
North America	94963*	94964*		spontaneous combustion		15459		76501*	97828*	108362*	108539*
Paleartic Region	33120*	105672*		terminology	24343*	64729*	106554*	Yugoslavia	56471	56646	56712
Poland	5210*	94901*		tests	7512	54125	54431*	56713			
Scotland			5121	74363*				Stathmopoda			105936
Spain			23597*	trade			67369*	Statistics			45448
taxonomy	5149*	14517*	33120*	Europe			27267*	54376	54377	57406	74541
43005*	83857*	83894*	105623*	Scandinavia			76820*	97784	106759	34208*	
Turkey			42975*	SEE ALSO kinds of starches; and				Africa			64923*
Staphylininae			73607	UNDER specific subjects				Alabama	24563	34193	74534
Staphylococcus SEE Arthritis				State farms				85075			
Staphylococcus	3263	21893*	30960*	accounting				Angola			44109*
cattle	3714	3717	12983	Czechoslovakia			56533*	Arkansas		15482	106728
31459	41661	62172	62200	Poland			97805*	associations			85055
12956*	31428*	62178*	62181*	USSR	56555	66884	7920*	Australia	6237	6238	44110
103655*				7926*	45876*	56548*	56549*	54340	74535	106737	106741
conferences and congresses			71818	76371*	76376*			Austria	24564*	24591*	24592*
dairy products	96414	34318*	54544	Bulgaria	56394	75970		54360*	64910*	64911*	64917*
96414	34318*		96408	Ceylon		62055		66927*	85049*		
food	24347	24368	33995	costs and returns				Belgium	15484*	34196*	44131*
43906	43932	6040*	6171*	Czechoslovakia			66835*	54341*	64913*	74536*	
25862*	54099*	64756*		Germany				bibliographies			6243
reviews	24381	74439*		East Germany			66942*	Brazil	15500*	44119*	54343*
goats	42175	52452*		Poland	35554*	87017*	87019*	54349*	74537*		
livestock	3228	71818	103247	87186*	87187*	87189*	87202*	Bulgaria			106729*
61859*				97961*				California			44130
reviews			30873	Rumania			97686*	Canada	6240	66644	74538
meat	25842	97090	65832*	USSR	56525	66884	26769*	Ceylon			74540
sheep	105143	4407*	52452*	56548*	86981*			Chile	44116*	44117*	54347*
93673*				Yugoslavia	56372	76412					

\*Text of this reference is not in English.



Item			Item		Item			Item
Statistics-- Cont			Statistics-- Cont		Stem rust-- Cont			
Colombia		56765*	Northern Rhodesia	96249	oats	68228	77698	
Colorado	34199	106730	Norway	24575*	rye		68228	
conferences and congresses		46070		74555*	wheat	847	9588	18138
57411	88102		Oklahoma			18746	27152a	37908
Congo		15501	Oregon		96246	47377	58453	68196
Cyprus		34200	Pakistan	24577	74550	68642	69309	77699
Denmark	15486*	24566*	Papua		44127			
Ethiopia		34201	Poland	15496	54367*	Stemonitis fusca		37633
Europe		74542		84888*	85052*	Stemphylium	37361	88550
European Economic Community			Portugal		24578*	Stemphylium floridanum		363
	106762	16701*	Portuguese colonies		34218*	Stemphylium loti		9028
France		24568*	Puerto Rico	26680	96247*	Stemphylium sarcinaeforme		27137a
Germany	6241*	6242*	Republic of South Africa		45403	Stemphylium solani	37847	77865
64916*	74543*	85050*	54146	54369		Stenalia		94856
East Germany		15488*	Rumania		15498	Stenellipsis		94825
34197*		24569*	Ryukyu Islands		106742	Stenelmis		5142*
Ghana		34202	sampling	15769	25243	Steneotarsonemus canestrinii		5108*
Great Britain	34203	34204	27642	45793	85634	Steneotarsonemus pallidus		23292*
Greece		34205*	64750*	76090*	108003	55184*	94395*	
Hawaii	15489	106732	Sardinia		64929*	control	14206	32834
Honduras		54352*	South Carolina	24580	24581	52948*		
Hungary	34207	74544	24582	24583	85068	reviews		105307*
54353*		34206*	85070	106745		populations		14206
Iceland		44135*	South Dakota		44132	Steniolia		33313
Illinois	54354	54355	Southern Rhodesia		54371	Stenoblissus n g		95269*
India	15503	15506	Spain	15502*	96249	Stenoblissus nubicus		95269*
	44121	54357		44112*	44113*	Stenobothrus lineatus		33479
74545	85071	106733	44114*	44133*	64930*	Stenobothrus stigmaticus		5589
Indonesia		24571	Sudan		44134	Stenobothrus viridulus		14925
Iowa		44123	Sweden	6252*	24584*	Stenocallida		23582*
Iraq		34210	34222*	54372*	74557*	Stenochlaena palustris		27554a
Ireland		64919	Switzerland		34220*	Stenocorynus arida		83880
Israel		54358	Taiwan		6254	Stenocranus		105857*
Italy	6244	34211*	Tasmania	6255	34195	Stenocranus minutus		53415*
56318*	96238*		Tennessee	27031	86923	Stenodes		106036
Japan	8542*	64931*	Thailand		15504	Stenohelops		105628*
85057*		74546*	Trinidad and Tobago		85074	Stenolemus lenti		5390*
Jordan		15490	Turkey		24586*	Stenolobium stans	59043	59044
Kansas		85058	Uganda		54375	89890	19321*	
Kenya		34213	USSR	24562*	34194*	Stenomutilla		95311*
Korea	15491	96242	54342*	66362*	74554*	Stenonabis	95205*	105826*
96248*		106734	USSR bloc		75929*	Stenophrixothrix n g		23627*
Latin America		74551	Utah		54379	Stenoponia		106134*
Malawi		96249	Venezuela	24589*	34224*	Stenopsyche		95631*
Mali	64912*	109277*	54380*--	54399*		Stenopsychidae		95631*
Malta		74549	Vietnam	17491*	24593*	Stenostauridia		84149*
Maryland		96243	44137*		34217*	Stenotaphrum secundatum		273
methods	8539---	8541	Virginia		15505	47594	78500*	
17490	27636	27637	SEE ALSO Census; Input-output			Stenotarsus		14568
36599	37845	45439	analysis; Linear programming;			Stenus		105672*
57402	57404	57405	Quadratic programming; Recursive			Stenus biguttatus		63949
57409	57410	67675	programming; Regression analysis;			Stenus bipunctatus		63949
77123	77126	88103	Variance analysis; and SUBHEADS			Stenus crassus		14555*
88107	109267	16262*	research methods, statistical;			Stenus oscillator		5121
27634*	27635*	27638*	statistical methods; statistics			Stenus problematicus		14555*
27641*	36600*	36601*	UNDER specific subjects			Stenus simillimus		33101
77125*	83956*	88106*	Stator		14528	Stenus vafellus		14555*
Austria		46685*	Staurastrum	77454	88493	Stephania hernandifolia		78896
Belgium		66560*	Steam	58719	64890	Stephania japonica		19427*
Chile		36598	107084	25971*	44351*	Stephanidae		105872*
China	8543	45684	60740*		53779*	Stephanitis		84061
conferences and congresses			Stearic acid	79970	104682	Stephanitis pyri		52925*
	54115*	98705*	Steatonyssella SEE Steatonyssus			Stephanoderes hampei		52945*
European Economic Community	17492*	88105*	(Steatonyssella)			as pests		42650*
Germany		44814*	Steatonyssus		105593	control	4870*	52909*
East Germany	57403	34223*	Steatonyssus (Steatonyssella) n sgen		105593	105280*		52966*
India		6251			88546	biological		42684*
reviews	109278*		Stecchericum n g		73941	chemical		52928*
Rumania		57408*	Steel	5666	5949*	Stephanoderes vulgaris		42984
study and teaching		88108*	building material	43816		Stephanodictyon		77439*
Taiwan		46687*	33885*	85992*		Stephanofilaria assamensis		62381
USSR	46686	77121*	stainless	15751	74014	Stephanofilaria assamensis		62381
Mexico	15493*	64926*	74977*			Stephanofilaria assamensis		62381
Michigan	64927	96244	Steganosporium		67929	Stephanofilaria assamensis		62381
Minnesota		85060	Steiniella callida	94994*	95057*	Stephanofilaria assamensis		62381
Mozambique	6247*	54362*	95058*			Stephanofilaria assamensis		62381
Nebraska		106736	Stellaria media	11011	18559	Stephanofilaria assamensis		62381
Netherlands		24573*	68544	78183	101502	Stephanofilaria assamensis		62381
New Guinea		44127	Stelometer		25268*	Stephanofilaria assamensis		62381
New Jersey		6248	Stem pitting		19149	Stephanofilaria assamensis		62381
New York		7794	coffee			Stephanofilaria assamensis		62381
New Zealand	6249	6250	Stem rot			Stephanofilaria assamensis		62381
15494	85061		corn	381	18156	Stephanofilaria assamensis		62381
Nigeria		64928	cowpeas		39399	Stephanofilaria assamensis		62381
North Carolina		85062	jute		9047	Stephanofilaria assamensis		62381
North Dakota		54364	peanuts		37359	Stephanofilaria assamensis		62381
Northeastern States		7819	peas		99334	Stephanofilaria assamensis		62381
			Stem rust			Stephanofilaria assamensis		62381
			barley	47373	47374	Stephanofilaria assamensis		62381

\*Text of this reference is not in English.

	Item		Item		Item
Steptorhamphus	88333*	Steroids-- Cont		Stilbocoris	73723
Sterculia	26858a*	effects on pheasants	82637	Stilbosis	95440
Sterculia oblongata	51317	effects on Phytophthora ractorum	100193	Stilbus testaceus	83856
Sterculiaceae 70207	26858*	effects on poultry	82637	Stilesia globipunctata	4373*
Stereocaulon	19394*	effects on rats	104193	Stilicopsis	5149*
Stereochemistry	27566*	in bacteria	3258	Stilicis	14519*
Stereochemistry SEE Stereochemistry		in Funtumia latifolia	78979*	Stillbirth	12844 82989 104832
Stereophyllum	36950	in plants	1428 28343*		3653*
Stereotydeus	23575	78892* 89777*		Stilobezzia	105706*
Stereum chailletii	345	in Pythium	59004	Stilpnolia salicis	23396* 42758*
Stereum hirsutum	30734	in Solanum	1345		42780* 73808* 83561* 105365*
Stereum purpureum	345	in Yucca	19428*	Stilt bugs SEE Berytidae	
27142a* 30559*	57923*	Sterol acetate test	85268	Stimulants	3961 13275 13376
99347*		Sterols			64999*
Stereum sanguinolentum	345	effects on Bombyx mori	42839	Stingless bees SEE Meliponini	
Sterictophora	43220*	73456		Stink glands	43162
Sterility	41194*	effects on fungi	68821	Stipa	94* 99987*
asses	31662*	in Acheta domesticus	73358*	Stipa comata	17675 69069
buffaloes	92242	in animal nutrition	30791*	Stipa falcata	11123 79856
camels	12472*	in Apis mellifera	73358*	Stipa leucotricha	63103
cattle	3356 12820 22003	in beans	59895*	Stipa tenacissima	68351*
62017 71943	81966	in Bombyx mori	5027 94611*	Stipa viridula	100524
62158* 62212*	71887*	in Chlorella	19378	Stiromella n g	64131*
72184* 103367*		in Dioscorea spiculiflora	10162	Stivadens SEE Listrognathus (Stivadens).	
Belgium	92175*	in Eurycotis floridana	64247	Stixis	57582
causes	3513 22006	in grain	34867*	Stizocera	23629*
3339* 3402*	3484*	in Kaloterme flavicollis	73358*	Stizolobium SEE Velvetbeans	
31123* 41470*	61975*	in Musca domestica	33205 83140	Sto-dos	51761* 51762*
92243* 103419*		105763		Stock SEE Mathiola	
reviews	21977*	in plants	19288	Stockyards	107637
control	12780* 12831*	in potatoes	28338	Stoebe vulgaris	29265
103474*		in sugarcane	48643	Stoichiometry	9820*
diagnosis	62052*	in tobacco	78908*	Stolbur	88878*
Japan	31324*	in wheat	85948	potatoes	9241*
Pakistan	41451	in Yucca	19380*	Stomacarus	94678
prevention	62050*	tests	24853	Stomach	
Rumania	61957*	Sterrhia alicantaria	23894*	cats	62532*
Switzerland	51636*	Sterrhia vulpinaria	14888*	cattle	103869 13079* 22160*
treatment	92242	Sterrhinae	23894*		22161* 92466*
31102* 61967*	62015*	Stethorus	83171	diseases	3687* 92477* 103625*
71950* 72021*	81958*	Stethoscopes	3191	chinchillas	92820 92834*
causes	61606*	Stevia	77314	dogs	72427 92715 62532*
control	61607*	Stewartia	59727	diseases	13274 41769 62552
Denmark	21726*	Stewartia malachodendron	77388	horses	82375 104033* 13383* 62638*
dogs	104039*	Stewart's disease		pigeons	104382
Drosophila	33150 95023 95052	corn SEE Bacterial wilt, corn		rabbits	13612 93556*
64045*		STH	13016*	rats	92961*
goats	42141	Sthamarus	95264*	ruminants	30931* 41312* 81776*
horses	92862 62594*	Sticker's tumor	31534*	sheep	4358* 42210* 82798*
causes	92904 104086	Sticktight flea SEE Echidnophaga galli-		swine	4539* 13846*
control	13363*	nacea		diseases	4533 13860 83059
treatment	52085*	Sticta weigelii	27895*		104864 52653* 63256*
minks	52072	Stictaceae	36974*	Stomach worms	
poultry	104226 41194*	Stictiella	33312	anthelmintic resistance	63064
prevention	61607*	Stictiella corniculata	33312		63065 104714
reviews	51385*	Stictocephala bubalus	105261*	cattle	31429 52446 103776
sheep	63028 82741*	Stigeoclonium	68507		103906 104703
swine	63292 82893	Stigmaeidae	14438	Guatemala	103621
42232* 72184*	93813*	Stigmatomyces	17875	Illinois	62395
treatment	51374*	Stigmella aeneella	43241	reviews	22209*
turkeys	41881 52152 92986	Stigmella malella	94360*	Spain	32290*
wildlife	81898	Stigmina	88511	Tasmania	51927
Sterilization SEE UNDER specific		Stigmina mangiferae	99395	treatment	13043 3573*
subjects		Stigmodera	73566	USSR	61854*
Sterilization of animals SEE Castration:		Stigmus inordinatus	95359	ducks	13543*
Spaying		Stigonemataceae	8817*	goats	22831 61854*
Sterilization of soils SEE Soils, sanita-		Stilbella	67947	horses	22421* 31686*
tion		Stilbestrol		poultry	104359*
Sternal puncture	13856*	effects on animals	81898	rabbits	93554 83003*
Sternbergia	27531a* 36853*	effects on cattle	12920 22047	ruminants	21869* 61787*
Sternbergia lutea	37932*	22048 41526	41538	sheep	4417 52446 63099
Sternechus	43008*	41646 62077	72120		63117 72810 82845 93640
Sternites	94831*	3396* 62158*	92283*	control	32275 63064 63065
Sternocera castanea	94903	92489* 103896*			72805 72820 104627
Sternochetus lapathi	23380* 42761*	effects on mice	72534 72535	reviews	22209*
53037* 53047*	53052*	effects on minks	52072 92803	diagnosis	42191*
Sternophoridae	14441	effects on poultry	4053 93348	Northern Ireland	104704
Sternopleura	14679	effects on rabbits	52344*	resistance	63030 72869
Sternoseius n g	94679	effects on rats	104169	Spain	32290*
Sternostoma	42914* 63860*	effects on sheep	13632 42150	treatment	63079 3573*
Sternostoma augei	23536*	82766 82855	93611 93613	USSR	61854*
Steroids		93683		swine	83003* 93895*
effects on Aedes aegypti	94200	effects on swine	32428 82900		
effects on animals	51583*	82901			
effects on cats	13259	effects on turkeys	93350		
effects on dogs	13259	in plants	89465		
		in soils	70356		

\*Text of this reference is not in English.



Item				Item				Item			
Stomata	1079	9906	9907	10092	Storage-- Cont			Strawberries-- Cont			
19152	19153	27570a	27586a	temperature		44740*		canned		55080	
27587a	28199	28247	36680	ventilation	84719	15335*	34784*	care and handling		85774	
38247	38248	38497	68535	45150*	53778*			color	44599	100202*	
68536	89184	99236	99972	Stored products	SEE Storage			contamination	75217	75269	
100020	100112	100218	100550	Stormesia		17823		costs and returns	35910*	45921*	
18524*	18909*	37690*	48409*	Storthocnemis		43019*		culture	1795	10669	19867
68833*	89389*	89596*		Straighthead				19917	44788	49128	
Begonia semperflorans			48135	rice	47945*	58916*		Australia			1803
Brassica hirta			89140*	Strain gauges	2131	41566*		Belgium			59621*
conferences and congresses		100463		Strangles				Bulgaria			28900*
grapes			58521*	horses	72474	104123		Denmark			49134*
Stomatitis	3601*	51849*	62185*	sugar beets		18828		Finland	59650*	69803*	79509*
72200*				Strasseria		67943*		France	59666*	79523*	80495*
SEE ALSO Bovine papular stomatitis				Stratiomyidae				101210*	101211*	101232*	
Stomiopeltella			88502*	Czechoslovakia		95021*		Great Britain	49114	49133	
Stomiopeltina n g			88502*	dissemination		32884		59620	59649	59659	79520
Stomiopeltis			88502*	Europe		95022*		India			10662
Stomiopeltopsis n g			88502*	Great Britain	73619	83919		Israel			79510*
Stomoxydinae		33154	83939	Micronesia		83957		Italy			59640*
Stomoxys calcitrans				Nepal		105725		Japan	19908*	28909*	79521*
and disease	14009	52796	105127	Poland		84005*		Kansas			90361
as pests			105088*	taxonomy		73619		Kentucky			49107
breeding places		52817	94252	Western States		23667		Louisiana			29875
control	14052	63453	73133	Stratiomyinae		73619		Michigan		39112	69774
94252				Straw		58803*	99161*	Netherlands		39075*	59661*
cytology			33168	baled	25745*	33718*	53741*	59662*	69804*		
nematodes			23666	64472*				New Jersey			49130
populations			23142	baling equipment	43632*	53757*		Northern Ireland			101228
pupae			83939	84507*	95871*	95882*		Norway		10675*	49134*
Stomoxys sitiens			83939	bibliographies		107516		Ohio		19876	39112
Stomphastis			33445*	care and handling equipment		15192*		Oklahoma			59663
Stoneflies SEE Plecoptera				15207*				Rumania			19864*
Stony pit				chemistry		25639		Sweden	28914*	49115*	59631*
pears		99603	99635	chopped		25745*		69786*			
Storage	106694	106714	93952*	decomposition	20758	80133*	90951*	Tasmania			101212
conferences and congresses			96136	feed	22089	61655	81694	Venezuela			19914*
costs			6217*	81811	30778*	30781*	34497*	Vermont			19858
developing areas			63675	71648*	75030*	81646*	91821*	Washington			69782
Great Britain			44081	91899*				Wisconsin			39095
humidity			44740*	fertilizers	14998*	20748*	25745*	defoliation		38422	19879*
India			106698	39747*	39787*	60391*	80076*	directories		16516	97513
pest control	4890	13924	14229	101899*				disease resistance		59651	19859*
23371	23373	37132	52999	Germany	11540*	40058*	40116*	88766*			
53008	63373	63675	63679	80406*				diseases			26989a
64901	83499	83512	94021	Great Britain				Canada			58087
23065*	23089*	94423*	94425*	reviews		80300	102035*	control		27043a	99188
94435*	105150*			harvesting equipment	5784*	33718*	84509*	France			37087*
Angola			94441*	43598*	53738*	53757*		Germany			57805
Australia			83502	106304*				New York			17928
California			14251	in pulp and paper industry		25635		Pennsylvania			66817
Canada			23376	44936	107449	61501*	61506*	farms			80287
chemical	52724	83516	94434	litter		92118*		fertilizers			101978*
94449	52697*	94445*		loading equipment		33583*	106348*	Bulgaria	101978*	101979*	
Denmark			4889*	microorganisms		61636*		California			11635
Germany		73293*	83529*	mulch		11652	20796	France			91037*
Great Britain		14235	83506	95807	37591*	80477*	95808*	Germany			39993*
105337	106063			processing	61655	30781*	34497*	East Germany			29747*
history			42740	61636*	75030*	81646*	91821*	Japan			39913
Hungary			94447*	91899*				Netherlands			75269
Illinois			42739	processing equipment	15210*	92118*		flavor and odor		107257*	
tests	42741	83511	83518*	106347*	106350*	106496*		for processing		107225	59638*
USSR		14248*	32883*	products	7058*	54794*	54899*	forcing	58689	39114*	49343*
Washington			83526	stacking			54033*	frozen		44788	6901*
pests	32876	83514	105556	statistics			65698*	fungus diseases		47359	57935
94433*			83509*	storage			75030*	77762			
Austria				transportation	106347*	106348*		Canada	9020	9045	9078
Canada		83831*	94428*	SEE ALSO Flax straw; Oat straw;				control	354	58028	18197*
Central America		53007	94446	Rape straw; Rice straw				55184*	57918*	77693*	88791*
Germany			94432*	Straw itch mite SEE Pyemotes ventri-				Florida			58014
Greece			83527*	cosus				Great Britain			57934
identification			23091	Strawberries				Norway			88719*
India		5489	63684*	acreage and area		85887		Poland			37375*
Nigeria		4893	52993	analysis and composition		6761		Rumania			18195*
Tropics			63680	65461	75223	107257*		genetics			89314*
Poland			42731	anatomy and physiology		9781		grading and standardization			44689*
South America			54333	10091	18788	18928	19169	harvesting equipment			64451
structures	24279	43822	106635*	28197	38422	48506	58640	history		1795	59659
54032	81455	84717	43837	58689	75217	78438	1019*	hybrids		77002	59615*
54029*			24983*	18799*	27885*	39993*	68761*	industry			
Arkansas				68762*	68987*	78546*	78714*	California			44536
Australia				78752*	100202*	100207*		Great Britain			34672*
Great Britain				biochemistry				Kentucky			85887
Poland		74264*		breeding	59651	19859*	49117*	Mexico	6710	65396	65420
Senegal				90354*				Michigan			54945
Sweden				Germany			28893*	irradiation	34796	75312	107353
Turkey				history			39082	96907*			
				Sweden			59631*				
				USSR		49116*	59615*				

\*Text of this reference is not in English.

		Item			Item			Item
Strawberries--Cont			Strawberries--Cont					Streptococcus cremoris 6381 54535
irrigation	50224	20880*	virus diseases--cont					65075 6397*
keeping quality		75312	Italy		18284*			Streptococcus diacetylactis 65040*
marketing	85774	44652*	New Jersey		37450			Streptococcus equi 72474
California	25384	44536	Ohio		37426			Streptococcus faecalis 43931 105414
France		59666*	Rumania		18195*			105938 34435* 35002*
Germany	44662*	107281*	Sweden		27318a*			Streptococcus lactis 15628 24800
Italy		15964*	Tasmania		101212			24798 85489 106910 106914
Japan		34730*	transmission		83412			24867* 24977* 65047* 65075*
Virginia		55043	Yugoslavia		9195*			96639* 107047*
mechanization		24030*	vitamins		65634*			milk 6375 6382 6510
morphology	27633a	68586	weed control		11042			Streptococcus lactis maltigenes 6381
nematodes	47359	68324	California		58028			6432
Brazil		88930*	chemical	2010 29341	70176			Streptococcus pluton 105414
Canada	68328	77965	20220*	29281*				Streptococcus thermophilus 96597*
control	58127	99722*	Canada		29208			Streptomyces 8998 9108 88798
Germany		37087*	France		101509*			36677* 52225* 69110*
Lithuania		27368a*	Great Britain	39464	39475			Streptomyces albus 62341*
Poland		99723*		39483	39566			Streptomyces cinnamomensis 37649
USSR		88904*	New Hampshire		29260			Streptomyces cinnamomeus 88520*
nutritional deficiencies		38165	New York		29184			Streptomyces corchorusii 36604
packing	34770*	34771*	USSR		70152*			Streptomyces erumpens 67938*
pasteurization		34796	West Virginia		97779			Streptomyces fasciculus 37698
pest control		23292*	Wisconsin		70184			Streptomyces griseus 18677
Germany		88791*	Great Britain		39545			Streptomyces misionensis 57421*
Great Britain		105294	yields	38422	68761*			Streptomyces niger 63144*
Maine		32834	Germany	37087*	49112*			Streptomyces olivaceus 26141*
Maryland	14166	32812	East Germany		39993*			Streptomyces ornatus 67938*
Netherlands		55184*	Japan		39114*			Streptomyces rimosus 18908 78890
Poland		52948*	New Jersey		28916			Streptomyces scabies 18234 18695
reviews		105307*	Ohio		37426			27186a
Washington		73276	Scotland		18928			potatoes 39382 47221 47340
pests	23275	64113	USSR	19873*	19879*	101217*		57948 70575 88768 99441
Canada	32846	83412	101225*					93558 37298* 57870* 77785*
94395*			West Virginia		19874			99391*
France		99188*	Strawberry clover		47923			Streptomyces viridochromogenes 78186
Germany		94264*	Strawberry juice		65634*			Streptomycetes 6 69243 99091
East Germany		94379*	Strawberry leaf roller SEE Ancyli					99098 88520*
Maryland		14166	comptana fragariae					Streptomycin 37411
New York		57805	Strawberry spider mite SEE Tetranychus					adjuvants 27270a
planting	59649 78438	8887*	atlanticus					effects on Anacystis nidulans 68880
101225*			Strawboard		7566			effects on animals 30930
planting date	19913*	19885*	Streak					effects on bacteria 15731 30969
78752*			Lolium perenne		77926			effects on barley 658
prices		85887	peas	99577	99643			effects on Basidiomycetes 89613*
processed	55133	75269	sugarcane		47533			effects on cattle 92444*
products		107048	wheat	27344a	77872			effects on Chlamydomonas 792
propagation	10660	39077*	Streambank erosion	50382*	70823*			18713
situation and outlook	25384	107225	Streamflow	33005	49928			effects on Cyanophyceae 48366*
44662*			49936	91020	101890			effects on Drosophila melanogaster 23645
soils		68328	Streblidae		83952*			effects on microorganisms 60195
spoilage		75269	Streblocera pulvillicornis		64171			1045*
spraying and dusting	354*	57918*	Streblus asper	47748	47809			effects on Phormidium minnesotense 48366*
statistics	55133	55219	Strelitzia reginae		9189			18234 27270 47444 18249*
storage	65461	107344	Strengite		11222			18261*
85827*			Strepsiptera		95621			effects on plants 18542 100383
trade			53583* 84212*	106164*	46860			effects on plants 81983*
France		87689*	Streptanthella longirostris		90430			effects on swine 104785*
Great Britain		34672*	Streptocarpus		62172			effects on tomatoes 619*
Italy		46414*	Streptococcus		41661			in soils 60195
varieties	1810 19867	19917	cattle	3717 41368	31267* 31415*			therapeutic use
49128 19864*	90354*		72992 22235*	62181* 62220*	62417*			cattle 82278 62220*
Belgium		59621*	62390*					poultry 104326* 104416* 104433*
Bulgaria		89314*	cultures		65144			swine 32524* 63263*
California		59611	dairy products	6376 54489	54650			Streptomycin sulfate SEE Vetstrep
Finland		59650*	65150*					Streptopus oreopolus 17736
Florida		19887	feces		15380			Streptothricosis 52796
France	39109*	39110*	food	74317 54099*	64765*			72488 94147 103832
Germany	49112*	59638*	goats		42175			Strepzyme 100409
Hungary		28922*	horses	6106 15380	82453*			Stress 57106 71700* 91996* 103279*
Japan		28909*	insects		54988			103356*
Lithuania		28889*	livestock		3253			buffaloes 92211
Netherlands	19884*	39094*	mice		104162			cattle 12935 22301 62245
39119* 59634*	59661*	59662*	milk	6432 24801	3672*			63495 92211
New Jersey	28916	39113	24836*					guinea pigs 41878
49130			poultry		104373*			minks 93859*
Northeastern States		39102	sheep	41368 42314	72992			poultry 32012 52210 72608
Rumania		28911*	swine	93829 52594*	63302*			82554 93363* 104467*
Spain		101221*	vegetables		54988			sheep 13697 82810 93650
Sweden		69797*	Streptococcus agalactiae	62171	71826			104686
USSR	19873*	88766*	22212* 22257*	51833*				swine 93859*
101240*			cattle	22250 103630	103652			Streunex SEE Lindane
West Virginia		19874	92514*					Striate mosaic
virus diseases	9224 99647	9225	man		92514*			wheat 14145 23217 27303a
58087 77923			rabbits		32161*			37459 77897 99602 99622
France		18292*						
Germany		88791*						
Great Britain		77924						

\*Text of this reference is not in English.



Item				Item				Item			
Strickeria indica			17913	Strontium-- Cont				Stylocephalidae			53290*
Stridulation SEE SUBHEAD sonifica-				effects on plants		78660*		Stylogaster	14599		53358
tion UNDER Insects and names of in-				effects on wheat		8977*		Stylogaster comrasi			53358
sects				fixation		90876		Stylops	43386	53583*	84212*
Striga	20286	39549	79862	in animal physiology	3227	20506		Stylosanthes			17748
Striga asiatica	2013	9868	11022	90959	51594*	91982*		Stylosanthes gracilis			79761
28011	49480			reviews				Stylosanthes guayannensis			41203*
Strigoplus			42951	in aquatic plants				Stylosanthes humilis			38827
Striomaena n g			94825*	in barley	9619			Stylostome			4759
Strip cropping			10537	in blood				Styloxus			63916
Strip grazing	3442	31153*	41549*	in cabbage				Styphelia			57650
91130*	92361*			in cattle physiology				Styphloderes (Parastyphloderes) n sgen			83882*
Strip-mined areas			101792	in cheese	74750	6421*		Styrene	7300	21717	107115
Australia			37589	in Chlorella pyrenoidosa				Styrene polymers		91766	102098
bibliographies			70468	in corn	58631			Styryngomyia		63985	73612
Denmark			71285*	in feed				SU 4885			32000*
Great Britain			70384*	in field crops				Suaeda			27497a
Illinois			88960	in flour		86017		Suaeda ampullacea			57567*
Pennsylvania			71289	in food	15440	64841		Suaeda macrocarpa			100578*
reclamation	49942	91008	91011	84935	33982*	54096*		Suaeda vulgaris		9676*	100119*
91018	91022	91023	102745	84919*				Subexocentrus n g			94825*
conferences and congresses			49914*	in goat's milk				Subject classification		7757*	15815*
Czechoslovakia	30371*		49925*	in grain	65701	75465		Subleptospyris			73609*
49949*				in meat		35075		Subleuconycta sugii			23828*
Germany			91014	in milk		34317		Subparmatius SEE Ornithodoros			
78008*	80235*	91517*		44324	54529	54611		(Subparmatius)			
Illinois			91019	65119	65148	74750		Subsidies	35736	35738	45748
Jamaica			12106	74930	85442	106967		66585	76226	76228	56361*
Kentucky	29652		80236	24943*	44329*	54603*		98259*			
Nigeria			21327	reviews				Ceylon			7583
Ohio	29653	91005	91016	in Picea abies				Denmark		86940	86936*
98069				in plants	1104	9921		Europe	86938*	86939*	98259*
Pennsylvania			91582	38361	58844	69125		France	16962*	66739*	102412*
Poland			50792*	90959	106560	108984		Germany	16766*	26726*	45749*
Tennessee Basin			80883	18822*	48118*	58945*		Great Britain		26724	26727
				70310*				45747	66740	96189	
Stripe				in potatoes		84930		Hungary			26730*
barley			47223	in poultry physiology		62810		Italy			7673*
Lilium longiflorum			9233	in soils	20449	20506		Netherlands			35737*
Stripe mosaic				39752	39761	49769		Sweden			97794*
barley		18298	47536	90865	90876	108984		SEE ALSO UNDER specific subjects			
Stripe rust				49726*	49763*	60180*		Subsistence farming SEE Farms and			
wheat	37222	37316	47327	90886*				farming, subsistence			
405	9135	18053		in swine physiology		63291		Substance P (polypeptide)			72605
77714	79220	47375		in tea		15533*		Substitution budget SEE Linear			
				in vegetables		44615		programming			
Striped ambrosia beetle SEE Trypo-				in wheat	9619	75474		Subterranean clover			59388
dendron lineatum				96993	44821*			anatomy and physiology			9680
Striped blister beetle SEE Epicauta				in whey		74750		19252	29535	68809	68819
vittata				Strontium chloride		52402*		68901	100088	100363	
Striped cucumber beetle SEE				Strophanthin		91944*		biochemistry			71607
Acalymma vittatum				Strophanthus sarmentosus		77389*		culture	90143	100957	101043
Striped mealybug SEE Ferrisia virgata				Strophanthus scandens		48615*		disease resistance		9240	48881
Strobane			6427	Stropharia rugosoannulata		8868*		equipment			74119*
Strobiloestrus vanzyli			23718*	Strophosomus capitatus		5158		fertilizers		29816	68819
Strobilomyces strobilaceus			19286	Struba SEE Bireta (Struba)				genetics			47853
Strobilomyces strobilaceus			95091	Struebingianella n g		64131*		germination			9680
Strobiliella intermedia			95091	Strumella coryneoides	366	99365		inoculation			29536
Strobiliellini			95070	Strumeta tryoni SEE Dacus tryoni				seeds		48806	68901
Strobliomyia nana			95056*	Struthanthus		37810		soils			50175
Strobliomyia tibialis			95056*	Struvea pulcherrima		88472		Subtilin		13529	104379
Stroboscopes			73036	Strychnine	3320	82424		Subularia			77371
Stromatocrea cerebriforme			67939	Strychnos		133		Succinate	10076	15704*	22277*
Strombophorus			33079	Stryphnodendron coriaceum		30674		100658*			
Strombosia			68420	Stubble	39513	52405		Succinic acid			89352*
Strongyloides			31023*	Stubble crops	4113*	64490*		effects on plants			38497
Strongyloides papillosus	41656		72533	101027*		69367*		effects on seeds		19133	19132*
104701	42183*	92571*		Stubborn disease				in cattle physiology			3533
Strongyloides ransomi	4602		104920	citrus				in poultry physiology			31896
Strongyloidiasis			41331*	Stuckenberiana n g				in ruminant physiology			92021*
cattle	41656*	62387*	92571*	Stump removal SEE Forests, sites,				in wine			85133*
mice			72533	preparation; Land, clearing				Succinic dehydrogenase		1377	64228
sheep		104701	42183*	Stumpage SEE Timber				82609	83726	83834	104213
swine			4602	Stumps	407	9029	57996	Succinylcholine			62633*
Strongylorhinus ochraceus			73310	61075	63687	67821	68161	Succinylcholine chloride			13843
Strongylosis				12095*	18891*	27255*	58666*	Succisa pratensis			10270*
cattle	51859	72197	103664	Stunt				Succulents	17799	67828	36848*
72145*	103665*			blueberries			47521	anatomy and physiology			38274
control			91916*	corn	105223		105222	Arizona			18443
dogs			52027*	subterranean clover	9240	48881		collecting and preserving			36845
horses	72491	92907	104113	tobacco		99597		culture	19959	20073	20084
104114	41837*	62629*		Sturmia convergens		23651		15326*	39136*	49158*	69815*
ruminants			21836*	Stygnocoris		5491		Netherlands		39143*	39223*
sheep	22854	32228*	32254*	Stylets		83343	83370	59681*	101277*		
52422*	52439*				23762*			New Zealand			59758
swine			104920								
Strongylus	103664	91916*	103665*								
Strongylus edentatus			62629*								
Strontium											
effects on cherries			58600*								
effects on corn			69056*								

\*Text of this reference is not in English.

	Item				Item				Item		
Succulents--Cont				Sugar--Cont				Sugar--Cont			
diseases 17959	18282	18409	18409	history--cont				manufacture and refining--cont			
Europe		36818	36818	Mauritius	86472	86485*		conferences and congresses		86450*	
fertilizers		39981	39981	Philippines		26299		cooperatives	26269*	45532*	
nomenclature		98952	98952	in alcoholic beverage manufacture		75842*		costs 16442*	45328*	45346*	
pests		18409	18409					75871*			
Republic of South Africa		17795	17795	in currant processing		6848*		Ethiopia		66244*	
	20000			in detergent manufacture		16462*		Germany 7464*	16471*	45324*	
soilless culture		19999	19999	in feed processing		75842*		East Germany	26298*	26325*	
taxonomy	17777	36857	36857	in silage preparation		51458*		Hawaii 48947	55860	55952	
Western States		57616	57616	industry 26319	55899	55902		India 7493	26271	75856	
Sucrase SEE Invertase				75861	26328*	75875*		107903	107926	107932	107935
Sucrudes		78954	78954	accounting		26266		107936			
Sucrose				7479*	16438*	97459*		Israel		16436	
analysis and composition		7490	7490	Africa		86459		Japan		16428*	
7511	7512	35354*	35354*	Argentina		75846*		Mexico	16417	55921*	
chemistry 7485	55906	26245*	26245*	Australia	55828	55954		Poland	7483*	55854*	
26288*	35361*	49626*	49626*	75841	97440			Republic of South Africa		55837	
55914*	55955*	86470*	86470*	British Guiana		7459		research methods			
97461*	97462*	107946*	107946*	China		107921*		statistical		107941*	
culture medium	48221	34176*	34176*	Colombia		16402*		study and teaching		55832	
61857*				Cuba		55831*		Taiwan 7453	55949	107948	
effects on barley		48296	48296	Eastern States		66256		97450*			
effects on cabbage		68898	68898	European Economic Community		26297*		Tunisia		7448*	
effects on Chlorella vulgaris		48055*	48055*			26284		Turkey 45330	7510*	66200*	
effects on cotton		47952	47952	Florida	26328*	86484*	107940*	USSR 26254*	26258*	97446*	
effects on Cyrtomium falcatum		58366	58366	Germany 107950*				yields	16409	35342*	
effects on Nitella translucens		48045	48045	Great Britain		45321*		manufacture and refining equipment			
effects on plant disease		37486	37486	Greece		45312*		16464	45349	55861	75865
effects on plants	19076	38148	38148	Hawaii		88066		86475	107933	12500*	16460*
10276*	28037*			India 7474	7508	16401		26287*	26327*	45336*	55882*
effects on pollen		78445	78445	16421	16430	16450	16451	66201*	75863*	97441*	
effects on swine		4593	4593	26277	26300	35362	55870	Germany			
effects on trees		71246	71246	66212	107916	107918--	107920	East Germany		86473*	
effects on wheat		28237*	28237*	107929	108212			Poland		54695*	
in apples		1024	1024	Italy		35339		USSR 35342*	35344*	35369*	
in barley		100353	100353	Japan		26242		97452*			
in beans 32770	100509	100684	100684	Louisiana	26284	66229		marketing			
in Cunninghamella		89672	89672	Malagasy Republic		66211		Africa		86459	
in feed		21764*	21764*	Mauritius	55908	97463		Australia	97440	107900	
in fruit processing		6936	6936	109019				Germany	7482*	97481*	
in Myzus persicae		33270	33270	Mexico 75855	75872	55891*		India	107904	107917	
in plants		84802	84802	97466*				Norway		107914*	
in sugar beets 1675	10532	27697	27697	Michigan	66195	66196		Spain		107928*	
101074	26270*	45583*	45583*	Natal		66221		Sweden		75870*	
in sugarcane		58650	58650	Northern Ireland		45321*		USSR		7492*	
19052*	78469*	86474*	86474*	Pakistan		55830		marketing quotas		55937	
in sunflowers		47710	47710	Peru	86443*	97902*		packing	26272*	75863*	
in sweetcorn		28371	28371	Philippines	7501	16416		policies and programs		16429	
in vegetables		55091	55091	26299	75834	97470		55864	16435*		
in Tribolium confusum		14550	14550	Poland		7509*		Australia		66237	
processing 55876	26265*	26281*	26281*	Republic of South Africa		86461*		Great Britain	16422	16435*	
55890*	75843*			Reunion		55869*		India 45319	107924	107927	
properties 55955	7503*	55928*	55928*	reviews		79391*		Poland		55923*	
55929*				Southern Rhodesia		75823		Taiwan		55842	
Sucrose esters		59934*	59934*	Spain	107928*			Turkey		7465*	
Suctoria SEE Fleas				Sudan	55874	7523		prices	7519	45326	75844
Sudan Black B		73895	73895	Taiwan	7481	7491		55912*	86457*		
Sudangrass SEE Sorghum vulgare suda-				16437	26242	55950		production quotas		107925	
nense				Thailand		107939*		quality		55920*	97443*
Sudanophil		31300*	31300*	Turkey		66480*		reviews		7480	
Sudra		95211	95211	USSR 45325*	55936*	75850*		sanitation 107930	7469*	55857*	
Sugar				United Arab Republic		26253		situation and outlook	7445	7484	
advertising		7482*	7482*	West Indies	7458	7488		16429	16473	26304	26309
agreements		27263	27263	judging		7467*		26322	45335	45342	75825
associations	26318	7441*	7441*	legislation	7443	7450		75840	97460	16474*	55883*
7518*	26328*	75839*	97477*	26285	76744			66220*	66227*	86444*	107902*
bibliographies	45317*	75864*	75864*	liquid		75853		107906*	108836*		
care and handling		7489	7489	losses	107908	26248*		Australia		7475	
color	55951	55952	107949	manufacture and refining		7515		Belgium		26290*	
7473*	35361*			16447	16452	16453	16469	Cuba		75848	
conferences and congresses		7472	7472	26273	26303	55826	55848	Europe		57063*	
16399	55862	55938	55941	55849	55851	55877	55880	European Economic Community			
consumption	26278	97442	97442	55895	55915	66210	66225			26304	
107942	26291*	107928*		66230	66234	66246	75857	France		26290*	
containers		45341*	45341*	75858	75859	75867	107930	Germany		7496*	
contamination	23464*	55857*	55857*	7442*	7516*	7517*	16432*	Hawaii		7522	
directories		75875*	75875*	16434*	16439*	16448*	16449*	India 7495	66216	107924	
exchanges		106830	106830	16480*	16483*	16484*	26245*	Italy 26289*	26290*	35343*	
feed	42259	82083*	104300*	26248*	35341*	35370*	35371*	45352*			
feed for bees		23464	53083*	55863*	55947*	55959*	55959*	Louisiana		66197	
73365*				55964*	66206*	66242*	75830*	Mexico	66223*	66228*	
feed for mosquitoes		43143*	43143*	75863*	86452*	86489*	86490*	Netherlands		26290*	
grading and standardization		55867	55867	97443*				Philippines		75847	
75827	66213*			Africa		55945		Puerto Rico		97469	
history	7441*	86463*	86463*	Belgium		35347*		Turkey		66253*	
Brazil		26275*	26275*	Bulgaria		55888		West Indies		75821	
Germany		7463*	7463*								
East Germany		45322*	45322*								

\*Text of this reference is not in English.



	Item				Item				Item		
Sugar--Cont				Sugar beets-- Cont				Sugar beets-- Cont			
spontaneous combustion	107908			California	69635			equipment--cont	106194*		
statistics	7515	75840	86442	care and handling	86440			Germany	86781*		
86491				chemistry	86488*	97480*		East Germany			
Canada	55840			cleaning	26243	86440	86480*	Poland	74021		
Caribbean area	67279			97487*				USSR	24041*	74030*	95818*
France	85083*			color	100042*			farms	15024*	15085*	45827*
Germany	107950*			conferences and congresses	10531			55833*	56386*	97966*	
India	66212			55933*	86450**			feed	1667*	3093*	3422*
Poland	35367*			costs and returns	16897	98000		3432*	10490*	21740*	22729*
Republic of South Africa	55911			75871*	86752*			22903*	25084*	25111*	32338*
Taiwan	7481			Germany	1663*	86464*		32370*	42266*	51702*	52536*
storage	7439	55836	107908	Israel		28759		71616*	93810*	103516*	103557*
45341*	66248*	86452*		Italy		87176*		fertilizers	1675	9648	18930
Hungary	66203*			Netherlands		76460*		20770	29789	48313	49956
Sweden	55855			New York	108496	108544		9712*	27784*	39989*	60501*
Turkey	26294*			Northern Ireland		79407		78613*			
substitutes	97444			Sweden		16886*		Belgium		60483*	
taxation	56138*			USSR	45929*	56386*	84358*	Bulgaria	39975*	40026*	101937*
trade	27243	76744	27215*	84370*	86476*	87210*		102002*			
108836*				culture	19698	48978	50205	California	11465		
Cuba	8268			56229	90228	19722*	38905*	Canada	10532		
Europe	57063*			53696*				Colorado	89440		
European Economic Community				Belgium	260*	261*	74027*	Germany	2327*	20671*	40118*
Germany	17160*			77612*				80305*	91116*		
Japan	26308*			Bulgaria		38906*		Great Britain		20625	
Mexico	36272*			Canada	10532	11654		Hungary	11648*	50101*	80436*
Philippines	67271*			Czechoslovakia		49001*		Italy		2442*	
Poland	26299			Denmark	1667*	19703*	101075*	Japan		29712*	78681*
USSR	17194*			Europe	19718	90238	69640*	Kansas	101074		
transportation	8268	67327*		Finland	1652*	100126*		Kenya	11491		
97475	66245*	75833*		Florida	1662	19710*		Nebraska	91151*		
utilization research	26261*			France		60558*		Netherlands	80352		
waste	55845	82083*	102359*	Germany	2327*	20671*	38914*	Pacific Northwest	20769		
weight and measurement	107907			45323*	55912*	69019*		Poland	2394*	11573*	29733*
Sugar alcohols	5019			East Germany	48987	59417		29761*	39904*	60541*	91117*
Sugar-beet root aphid SEE Pemphigus	7466			59431	1661*	48965*		Rumania		80273*	102000*
populiveneae				69639*	69641*	69642*		Sweden		2339*	101996*
Sugar beets				79387*				Turkey	91174*		
abnormalities	47793*			Ghana		101085*		USSR	70602	11460*	11484*
acids	45347	86486*	97483*	Great Britain	59430	79406		11533*	11541*	11556*	11567*
accounting	108496			91197				11588*	11599*	20585*	20699*
acreage and area	45339	55871*		Hungary		1671*		20711*	20715*	29775*	29776*
66188*				Israel	28759	90239*		29792*	39895*	40001*	40040*
analysis and composition	7444			Kenya		11491		50063*	60353*	60486*	80251*
16408	86447	16480*	16483*	Mediterranean area		69640*		80286*	80337*	80456*	91123*
35346*	86441*	86454*	86455*	Michigan		10537		101909*	101974*		
86465*	86471*	86482*	86488*	Morocco		48992*		Yugoslavia		20762*	101967*
86499*	97458*	97483*	97488*	Nebraska		10539		for processing	86447	86448	
anatomy and physiology	1182			Netherlands	59422*	69636*		86483	86453*	86454*	86465*
9213	9648	9765	11467	North Central States		48975		86499*			
18884	18910	18930	19020	Northern Ireland	19720	69644		forage plant	19668*	38908*	69637*
19239	27912	28188	48313	Oklahoma		79404		Poland	107077*		
48362	68906	68914	69019	Poland	33650*	33654*		USSR		15044*	90234*
78487	89392	89440	100239	reviews		79391*		freezing			69544*
100281	100326	101074		Rumania	59426	10558*		fungus diseases		9034	10536
1184*	9712*	9727*	9728*	Southwestern States		48977		47274	99487	352*	27222a*
9730*	10549*	19159*	19184*	Sweden	1665*	10552*	28758*	37376*	47237*	47406*	49002*
27784*	28097*	37951*	38034*	Switzerland		10560*		Austria		88839*	
38137*	38143*	38394*	38492*	Texas		48976		control		77766	
38493*	48026*	48294*	48505*	USSR	10490*	10544*	10546*	Canada		9000	
58946*	68705*	68712*	68743*	10561*	10562*	11720*	24001*	Czechoslovakia		68126*	
69045*	69130*	78565*	78578*	28438*	28738*	28739*	28751*	Great Britain		47222	
78613*	100126*	100185*	100308*	38904*	48981*	69544*	69646*	Italy	18119*	57881*	99309*
bacterial diseases	99349*			79390*	79395*	79397*	79399*	Japan		27132a*	
biochemistry	37846	1407*		80480*	89481*	89492*	102089*	Morocco		77731*	
45351*	69298*	89929*	100185*	Western States		43524		Poland		37096*	
breeding	842	9231	10436	cytology	18679	47718*	68595*	Germany		9073*	
10438	28190	38918	101081	78157*	78335*	89087*	100018*	East Germany		18144*	
1407*	10535*	19711*	27740*	damage		26263*		Morocco		99314*	
69643*	79389*			defects		16419*		Poland	57893*	77775*	99314*
Belgium	1670*			disease resistance	9213	9231		USSR		77812*	
Bulgaria	19708*			10536	10538	101081	37376*	genetics	842	27693	27697
Germany	79403*			47406*	47470*	49002*		89440	826*	90237*	100042*
East Germany	1657*	1672*		diseases				research			
10549*				Belgium	260*	261*	77612*	statistical methods	37846		
Great Britain	79382			California		37140		Germany		25111*	
Hungary	1671*	38909*	101067*	control	18046	38918	27033a*	East Germany		28190	
Japan	38143*			47131*	77608*			germination	1201	28188--	28190
Latvia	48961*			Italy		99146*		37995	70163	78685	1189*
Poland	90234*			Poland		68049*		9855*	10006*	38034*	43531*
research methods				Sweden		68050*		58755*	68909*	78481*	78681*
statistical	28744	48740*		dried	26315	25084*	51710*	94318*	105227*		
USSR	28747	59421		drought resistance		68906		harvesting		18005	19707*
19700*	28752*	28756*	59423*	ecology		18451		Belgium			59428*
69637*	79383*	79397*		enzymes	37376*	66247*		costs	76441		10557*
USSR bloc	79705*			equipment	95740	84626*		Europe	38922		

\*Text of this reference is not in English.  
 \*\*Text of this reference partially in English.

	Item			Item			Item	
Sugar beets-- Cont			Sugar beets-- Cont			Sugar beets-- Cont		
harvesting--cont			labor--cont			planting--cont		
Germany			Germany	45620	43490*	Ohio		10551
East Germany	10548*	10555*	East Germany	97688*	86781*	Poland	69647*	97473*
10557* 16643*	28755*					Sweden		16886*
Great Britain		48966*	Netherlands		86723*	USSR	28750*	38902*
Netherlands		76460*	USSR	16612*	35555*	planting date		10540
USSR		26263*	45583*	86772*	35577*	59427*	79394*	79405*
harvesting date	1653	1675	loading equipment		23990	planting equipment		15120
1656*	7502*	79385*	54027*	86480*	15135*	43528	53715	24090*
Canada		10532	losses	16414*	28755*	Germany	43561*	53727*
USSR	10559*	16405*	male-sterile		10535*	East Germany		53731
harvesting equipment		15132	78335*			Great Britain		84431*
15143	24095	24097	marketing		75870*	Netherlands		15128*
84461	86440		mechanization	15020	43414	Poland		33672*
Czechoslovakia		24117*	53617	66531		Sweden		106282*
Denmark		15135*	Belgium		24028*	Switzerland		15131*
Estonia		15157*	California		23994	USSR	24094*	43576*
Germany	15150*	15174*	Germany	15024*	15085*	policies and programs		
15183*	43430*		43426*	43490*	55912*	Germany	26308*	45323*
East Germany	10557*	15180*	106225*			East Germany	7477*	16424*
74079*			East Germany		5697*	Italy	55841*	66231*
Great Britain		5808	Great Britain	24031	84330	Poland	44897	35350*
Italy		24096*	95736	95735*		Red River Basin		66186
Lithuania	5761*	5806*	Italy		64361*	USSR		16441*
Netherlands		43608*	Poland		33536*	pollen		9793
Poland		95865	Sweden		15053*	prices	16445*	55904*
Sweden		64447*	Texas		95702	processing	26315	55848
Switzerland		15173*	USSR	15044*	24001*	7505*	7506*	16405*
USSR	5771*	5804*	64373*	73933*	84358*	16475*	35355*	55927*
24120*	24124*	33690*	84377*	95724*	106206*	75836*	97476*	97484*
33705*	33717*	64373*	microorganisms		18884	costs	16471*	16478*
hybrids	27697	48982	morphology		58330*	Germany	55881*	55930*
19195*	28752*	69637*	nematodes	9288	37507	East Germany		15180*
industry		86466	37526	58122*	68324*	Hungary		97477*
Canada		86503	California		9268	Red River Basin		66186
Colorado		35356	control	522	47598	USSR		35372*
Denmark		75824*	9276*	37525*	88926*	processing equipment		55861
Germany		55931*	Great Britain		18393	24133*		
Michigan	66195	66196	South Dakota		27359a	Germany		44896*
Poland		16466*	Switzerland		37501*	East Germany		97487*
Switzerland		55939*	Utah		77962	USSR	26305*	35352*
Turkey		26282	Western States		9296	production regions	7483*	55833*
USSR		16441*	nutritional deficiencies		9798	86476*		
injuries		18005	48362	100326		products	7456	26264
irrigation	11688	50269	pest control	83291	94272*	propagation		69630*
48026*			Belgium		260*	properties	26330*	29761*
California	2555	11465	California		73193	55829*	66257*	86500*
11786			chemical	52841	63539	proteins		19159*
France		20872*	77608*	105179*		pulp		26305*
Germany		70701*	California		94282	feed	12511	21747
Hungary		38909*	Germany		73234*	3508*	22917*	31157*
North Dakota		80569	Poland		105245*	quality	9648	10553
Oklahoma		79404	USSR	83311*	83340*	15132	16455	19717
Rumania	2539*	80273*	France		52832*	38918	86448	86483
USSR	29946	4814*	Germany	52896*	83348*	16480*	19707*	55829*
Wyoming		91260	Netherlands		14134*	90236*		78613*
Italy		26269*	Ohio		18046	Belgium		86465*
juice and sirup	66198*	66247*	Poland	23184*	27033a*	Bulgaria		55888
acids	45347*	97483*	52847*	83381*	83383*	California		68906
analysis and composition		86446	USSR		4814*	Czechoslovakia		86453*
7497*	35349*	35370*	Washington		32805	Germany	16458*	91116*
97464*	97465*		pest control equipment		47188*	Ohio		10551
bacteria	16457*	16467*	pest resistance		32804	Poland	11573*	29761*
chemistry	26286*	86486*	pests	4823	13983	66214*	69647*	80337*
clarification	7461	7487	14112	18005	42592	USSR	11460*	86499*
26293	45329	7504*	83371*			Yugoslavia		
16472*	16479*	16481*	Belgium		77612*	research methods		
26245*	26247*	26268*	Canada		83341*	linear programming		86458*
86462*			forecasting		64099	statistical	55926*	66205*
colloids		16465*	France		83390*	75836*	97456*	
color	16477	7497*	Great Britain		53196*	seed	9668	78685
26298*	26329*	35347*	Italy		105193	24041*	33690*	39989*
culture medium		97455*	Netherlands		94346*	78699*	80286*	84358*
extraction	86441*	97484*	Poland	52860*-	52863*	14112	37995	48982
hydrogen-ion concentration			94320*			52852	28749*	38212*
microorganisms	86446	16426*	USSR		14153*	38916*	59420*	59434*
processing	55872*	66215*	Utah		105177	Denmark		101075*
86495	7486*	16444*	Yugoslavia		94269*	Germany		59425*
16467*	26286*	55863*	physiological diseases		18828	East Germany		69630*
107945*			planting	66531	10006*	grading and standardization equip-		
properties	26331*	86486*	38896*	43531*	90236*	ment		66183*
quality	55888	16426*	Belgium		38916*	Great Britain		79406
labor	56212	56219	California		10543	Hungary		90241*
66479	66531	7723*	Germany		101077*	monogerm	10538	10563
Denmark		108211*	Japan		19184*	19712	90232	10006*
		86752*	Kansas		101074	19195*	28756*	48973*
			Netherlands		11679*	69643*	90237*	90241*

\*Text of this reference is not in English.



	Item			Item			Item	
Sugar beets-- Cont			Sugar beets-- Cont			Sugar beets-- Cont		
seeds--cont			thinning equipment--cont			yields--cont		
monogerm--cont			Great Britain	84431*		California	2555	11465
Germany	68909*	69019*	Netherlands	43608*		55873		
East Germany	69641*	59431	USSR	84412*	106262*	Canada	10532	11467
Hungary		101067*	topping	19717	48986*	Germany	1184*	1663*
Sweden		28758*	tops	16897	24095	38903*	40118*	52896*
USSR	38905*	69646*	5771*	97487*		69634*	80305*	91116*
pellets		10563	feed	12485*	12486*	106225*		
processing		86437*	41533*	44406*	51832*	East Germany		48986*
properties		78481*	fertilizers		101910*	Great Britain		90240
quality	9855*	10542*	statistics		44406*	Hungary	28760*	90241*
86437*		15128*	toxicity		38492*	Ireland		68914
segmented		24133*	trade			Japan		78681*
53767*			European Common Market	27278*		Kansas		101074
storage	1189*	45281*	transportation	15135*	86458*	New Mexico		79400
Sweden		10542*	86477*			Northern Ireland		79407
tests		97473*	Turkey		18679	Ohio		10551
treatment		52841	varieties	1675	26761	Poland	15573*	29761*
37314*	52896*	68909*	38923*	59420*	97488*	69647*		60541*
83348*	83350*		Austria		48967*	Rumania		10558*
USSR	10544*	10545*	Belgium	1670*	101080*	Sweden		2339*
viability		59423*	Denmark		19703*	USSR	29946	11460*
weight and measurement		38901*	Germany	1663*	10418*	28752*	29775*	29776*
situation and outlook		45337	Great Britain		19239	38902*	38985*	39989*
California		55873	90240		79410	59423*	79405*	79408*
European Economic Community			Hungary		66257*	80337*	91123*	101909*
France		75849*	New Mexico		79400	Yugoslavia		20762*
Germany		16420*	Puerto Rico		19724*	Sugar maple SEE Acer saccharum		101967*
Italy	26289*	65363*	Rumania		38915*	Sugar pine SEE Pinus lambertiana		
86439*		75862*	Spain		38911*	Sugarcane		
New York		45339	Switzerland		38907*	accounting		26876
Poland		16486*	38921*			acreage and area		75835
Sweden		26280*	USSR		19714*	analysis and composition		7447
soils	842	1675	virus diseases	9231	14089	7471	16459	26252
91196	78578*		14112	83291	37468*	66254	86492	86493
Belgium		70256*	83371*			45313*	86474*	26256*
Bulgaria		101937*	California		68258	anatomy and physiology		1156
Canada		11654	control	63580	77903	1157	1167	1188
Florida		19710*	14134*	94290*		9838	10063	18859
France	1662	40127*	Germany		27275a*	27942	38011	38023
Germany	20671*	69019*	Great Britain		37446	38116	47956	47978
East Germany	48987	1661*	Netherlands		23234*	47998	48007	48030
Ireland		68914	transmission	4792	4823	48035	48041	48071
Japan		28745*	42621	52852	73193	48100	48106	48125---
Netherlands		11679*	105193	27275*	52864*	48152	48217	48314
Rumania		80273*	Turkey		467*	48420	48449	48468
Turkey		20415	Western States		9196	58650	58827	59433
USSR	11556*	29792*	Yugoslavia		20762*	68895	78661	78662
70602*	80251*	38904*	waste			99649	99651	100150
spontaneous combustion		26246*	feed	3667*	51759*	9918*	18875*	19052*
spraying and dusting	47222	83340*	51807*	82120*		48453*	48454*	78422*
83383*	94272*	105245*	waste utilization		35364*	89587*	100149*	100437*
sprout prevention		78699	weed control	2058	56212	102240*		100538*
statistics	86491	16466*	90678	101582*		research methods		
35367*	55946*	35345*	Austria		90665*	statistical		48287
storage	16412	16413	chemical	11109	39452	associations		19705
16414*	26246*	45351*	49425	59961	66531	bacterial diseases		18259
66218*	66219*	86480*	70163	70187	101513	biochemistry		28376
97457*		97480*	Belgium		59932*	69283		48643
Denmark		107077*	California		70092	Brazil		19701*
diseases		7502*	Canada		10989	breeding	609	1666
Germany		16471*	Germany		49487*	48034	48946	48951
East Germany		45348*	79755*	79803*		48968	48984	48994
humidity		97457*	Great Britain	39430	39431	Australia		48954
Hungary		54027*	39450	39515	39517	Hawaii		48997
Lithuania		5761*	79784			India	1669	28741
Poland		7494*	Hungary		20310*	90231		38920
structures	96059	74259*	Italy	20217*	20231*	Louisiana		48950
Turkey		16433*	Michigan		11127	Mauritius		48964
USSR	16382*	16405*	Morocco		70117*	Peru		69645
ventilation		95724*	New York		29203	Philippines	19696	28737
study and teaching		16400*	Ohio		11127	Puerto Rico		101072
testing equipment		55843*	Poland		20304*	Republic of South Africa		48952
thinning	48999	56212	Sweden		11079*	West Indies		101065
59434*		70078	USSR		79786*	British Guiana	69632	69633
Belgium		59428*	Germany	59425*	108211*	burning		49000
Denmark		86752*	Great Britain		39449	California		35348
Germany		45620	Western States	11108	11112	care and handling	1674	66191
Hungary		90241*	weed control equipment		24163	chemistry		
Ireland		19712	47188*	74030*		bibliographies		86498
USSR	50206*	79385*	weight and measurement		27697	cleaning	7451	7520
thinning equipment		79401*	yields	1675	9648	conferences and congresses		48971
15109*	74017*	74016	10553	11606	14089	66233		
Belgium		74026*	18005	28789	70163	costs and returns	7881	7882
Germany		43549*	19713*	37951*	90236*	108507		
			Belgium		70256*	credit		55842
						culture	1655	48960

\*Text of this reference is not in English.

	Item			Item			Item	
Sugarcane-- Cont			Sugarcane-- Cont			Sugarcane-- Cont		
culture-- cont			harvesting	1659	49000	pest resistance		52870
Argentina	28742	59419	harvesting date	79393	28740*	pests	14803	23273
Australia	2472	38897	harvesting equipment	5759	5778		53513	84052
38913	47174	79396	53747			Africa		23196
China	89990*	101066*	Argentina		33724*	Australia	4831	5213
Cuba		10554*	Brazil		43585*	52877	57845	83822
Dominican Republic		1654	Hawaii	5758	53744	Barbados		52873
Florida		68895	106302			habits and behavior		95550
Hawaii		48947	Louisiana		84504	India	14117	14118
India	1673	11676	Puerto Rico		5777*	105912		
38920	59432	70763	Hawaii	10533	19706	Louisiana		94294
101078			history	19721	38900*	Mauritius		83385*
Jamaica	23970	23979	59424*	66194*	48957*	Mexico		17943
50191			hybrids	48956	48962	Pacific area		52885
Louisiana		48314	68197			Pakistan		23179
101073			in literature		57224*	Peru		63581
Mexico		19702*	industry			Ryukyu Islands		73776
Puerto Rico	47978	102265	Australia	86469	107900	Taiwan		83809*
Republic of South Africa	79388	48990	Florida	26279	26310	plant parasites		49480
			Hawaii		38011	planting	1666	48983
Taiwan	1660	10541	India	7457	7499	Alabama		1651
28757*	59279*	78422*	Louisiana		26279	Hawaii	48972	48979
cytology		609	Puerto Rico		107937	India		79384
defoliation		38116	injuries		47984	Louisiana		48969
deterioration		55953	irrigation	1167	2565	Mauritius		28746
86456	7513*		50235	100149*		Mississippi		1651
disease resistance		47543	Africa		11785	Taiwan	28757*	48970*
68197			China		102240*	planting date		1157
diseases		47108	Hawaii	2534	2564	planting equipment		5680*
Australia		247	11744	50325		policies and programs		26261*
Brazil		88649*	India	1157	50287	45332*		
Ceylon		47083	70763			pollen	8603	48034
control	47156	47176	Jamaica		20786	prices		7449
Australia		47174	juice and sirup	55846	55909	processing	16454	16469
Louisiana		47056	66191			55846	55853	55859
Mauritius		47186	analysis and composition		55879	55900	55909	55932
France		37103*	55892	66235	75852	66243	16439*	26313*
Jamaica		18004	78880*	86449*		bibliographies		7514
Peru	68081	88650*	bacteria		55850	costs		7507
drought resistance		69059	chemistry		26249	Ethiopia		66244*
equipment	1674	2580	clarification	16446	26302	Jamaica		26267
55868			26326	55838	55917	Louisiana		107923
farms	7830	7881	107913	26314*	66239*	Peru		75829
97902*			107910*		97450*	USSR		35360*
feed	22068	41239	colloids		55917	processing equipment		7440
62093	92317	103604	processing	7460	16403	7521	26317	53780
fertilizers	38040	48217	26257	26274	26296	55835	55839	55856
50001	50016	50029	66209	66226		55887	55889	55901
50069	50129	39918*	properties		7454	55935	55961	86475
100149*			quality	7460	90235	97448	97485*	
Africa		49957	labor		26562	Australia		55866
Argentina		49963*	British Guiana		98158	Peru		107922*
Australia		20776	Jamaica	26528	26529	United Arab Republic		97478
60426	80354		Philippines		35521	products	26261*	66252*
Brazil		101931	loading equipment	53620	53621	propagation	10547	48953
British Guiana		50397	106302			48994	37103*	48972
Florida		68895	mechanization		5678	quality	1156	1188
France		40034*	74090	5680*	43474*	16459	79393	10556*
Hawaii	2176	10063	microorganisms	55850	66199	Republic of South Africa		10550
80429			moisture		1156	research methods		
India	2435	11600	morphology	18157	78214	statistical		78796
20754	29803	80340	nematodes		77975	Reunion		26256*
reviews		20732	Australia		247	ripening		35358*
Jamaica		40063	Florida		88956	seeds	1674	5778
Louisiana		50002	Louisiana		47581	101078	38008*	
Mauritius		50110	Mauritius		47599		48071	48125
Mexico	50024	50122	Taiwan		77958*	49966	50013	50069
Philippines		50156	nutritional deficiencies		19136	Africa		50188
Puerto Rico		70579	packing		5777*	Australia		19697
Republic of South Africa		70494	Pakistan		100150	France		40034
11575		11296	pest control	52853	73181	India	11600	70763
research methods			Africa		52839	90967		79384
linear programming		102053	Australia	4816	4830	Jamaica		20786
statistical	50024	50128	23233	52877	77530	Louisiana		50191
Taiwan	50060	78880*	83282			Mexico		70309
Florida		45314	biological		52827	Republic of South Africa		49719
fungus diseases		47392	52873	94308	42579*	Taiwan		29591
47393	88712	47249*	British Guiana		47060	spoilage		91015*
Australia		18104	chemical	63552	83321	spraying and dusting	47491	57838
control		99389	India	14140	23214	63552	74140	
India		58007	42567	42593	83346	storage		66191
Mexico		47248	Louisiana		52869	study and teaching		48955
Phillippines		68197	Mauritius		83321	Taiwan		75828
Taiwan		77757	Mexico	47075	52855	topping		38895
genetics		48993	8911*	14094*		transportation		5777*
germination	247	48315	Philippines		73226*	Trinidad		10534
78779	38008*	48452*	Taiwan		83317*	varieties	48991	58827
hardiness		99846*	Trinidad		52872	7513*	101071*	60672

\*Text of this reference is not in English.



Item			Item			Item		
Sugarcane-- Cont			Sugars-- Cont			Sugars-- Cont		
varieties--cont			color			in wine		
Africa		47549	75830*	16449*	16463*	24694	85130*	
Argentina	35358*	79392*		75868*			106791*	
Australia	19699	19719	coloring		26307*		7470*	
38897	38899	38912	contamination		86451*		55905	7510*
38919	47998	38917	determination		97445*	16470*	55825	7510*
79381		59433	effects on insects		83570*	26248*	26262*	66200*
Brazil		88649*	effects on meat		35116*	86451*		
China	90230*	101084*	effects on nematodes		511	moisture	55948	86452*
Florida	19715	48993	effects on plants		38031	oxidation reduction potential		26283*
Guadeloupe		19704*	38062*	48167*		processing	24512	75868*
Hawaii	48948	88649*	effects on rice		19084	properties	26312	45316*
India	14118	69059	effects on Rosellinia limoniispora			reviews		97468*
Louisiana		69631				quality		16463*
Malagasy Republic		52870	effects on wheat		38123	research methods		
Mauritius		47543	enzymes		38459*	statistical	16425*	66249*
New Guinea		28746	extraction		97462*	97482*		
Peru	69645	79385	feed for mosquitoes		7505*	research programs		75845
Philippines		88650*	flavor and odor		23724	reviews		66236*
Puerto Rico		68197	in Acer saccharum		26295	tests	7473*	16463*
Taiwan	101076	101079	in alfalfa		69037	45345*	55920*	66241*
virus diseases		101086*	in algae		53073	97465*	107912*	86468*
27326a	37433	9211	in Apis mellifera	100617*	100637*	waste	16411	16423
99651	99653	99649	in Armillaria edodes		73395*	16472*	76437*	7455*
Brazil		47489	in Aztec tobacco		10213*	SEE ALSO Sugar, and kinds of sugars		
control	455	47476	in bananas		66268*	Sugiol		2991
58096	105164	47984	in beer		75185*	Suiferin		13812*
Dominican Republic		462	in blood		106810*	Suillus aeruginascens		77479*
Malagasy Republic		47468	in Bombyx mori		53541	Suillus grevillei		77479
Taiwan		47515	in coconuts		94606*	Suillus rubinellus		37720
Thailand		47481*	in corn	9684	19108	Sulcorebutia		26835a*
transmission	452	53823	89785	55316*	71671	Sulfa drugs SEE Sulfonamides		
99652	105164	105248	in cotton		78503	Sulfacetamide SEE N <sup>1</sup> -Acetylsulfanil-		
United Arab Republic		47533	in cucumbers		37276	amide		
waste	43585*	107901*	in forage plants	1275	22057	Sulfachloropyridazine		22950*
waste utilization	7523	50188	103130*			Sulfadiazine	3618*	31926*
55875	26311*	66252*	in fruit		44608*	Sulfadimethoxine	52293	62530
weed control		49481	in grain		69096*	72316	82580	
Australia	59993	60019	in grapefruit	16139*	65462	Sulfadimethylpyrimidine SEE Sulfameth-		
chemical	2034	49464	in grapejuice		24694	azine		
Florida	70143	74140	in grapes	19042	918*	Sulfadimidine SEE Sulfamethazine		
75268			58858*	89529*	1117*	Sulfaethoxyppyridazine		22616
Hawaii	49495	101584	in Hernaria		69196*	Sulfamethazine		
Jamaica	20314	20319	in honey		83661*	effects on bacteria		93377*
Louisiana		90723	in honey plants		78857*	effects on buffaloes		41650
Mexico		11044*	in insect nutrition		14400	effects on swine		72925
Republic of South Africa		49503	in lemon juice		54979	therapeutic use	13503	22346*
Taiwan		79776*	in Lichenes		100675*	31932*		
Tanganyika		90648	in lychee		69200	Sulfamethoxyppyridazine		32447*
Trinidad		49451	in meat	7135	86148*	Sulfamethylphenazol	22950*	32467*
Hawaii	2032	49490	in meat products		97080*	Sulfamezathine SEE Sulfamethazine		
Jamaica		20268	in Mentha piperita		89391	Sulfamic acid		2213
Louisiana		59988	in milk	6366	96428*	Sulfamides SEE Sulfonamides		
Mauritius		11094*	in molasses	7456	16408	Sulfanilamide	81833	63939*
weight and measurement		106236*	45311	16476*		Sulfaquinoxaline	13502	22585
yields	19145	35363	in Mucorales		10025	22616	23138	102965
50001	50013	50029	in oats		19397	Sulfate liquor	21623	51272
Argentina		107947*	in onions		68713	61441		51285
Florida	19715	47984	in Oxycarenus hyalinipennis		5380	analysis and composition		61462
France		40034*	in peas		89510	chemistry	51250	102976
Hawaii		48948	in Periplaneta americana		53549	manufacture		41014*
India	1188	1658	in plants	24383	47275	properties		71492
60672	90235	102044	69168	89429	89438	recovery	12364	12368
Louisiana		52869	83570*	89811*	96112*	41035	61455	71516
Pakistan		79393	in pollen		1180*	Sulfate of ammonia SEE Ammonium sul-		71496*
Philippines		50156	in Porphyra tenera		89821	fate		
Puerto Rico	19136	70494	in Porphyra umbilicalis		89951	Sulfate of potash SEE Potassium sulfate		
Taiwan	80457*	91015*	in poultry physiology		82543	Sulfate turpentine		21576
101083*		101070*	in rumen		30990*	Sulfates		
Sugarcane borer SEE Diatraea saccha-			in ryegrass		48341*	effects on plants		1198
ralis			in Saccharum		28295	fertilizers	11613	50412
Sugarcane wax	26324	35340	in sausage manufacture		65947*	in algae		58994
Sugars		97451*	in sheep nutrition		93696	in Chlorella		59066
analysis and composition		6918	in silage		54708*	in Euglena		58994
75869	98430	107911	in soils	2148	90897*	in plants	19314	19429
7476*	16427*	16443*	in sugar beets	9668	11467	37940	101971	10115*
26323*	45318*	54119*	18884	55888	68914	in Porphyra umbilicalis		89951
66207*	107944*	54129*	16475*	19723*	35346*	in poultry physiology		52289
bacteria		26259*	48505*	55926*	78565*	in soils	49615	70303
chemistry	7466	26312	91116*	97480*	86455*	101742	60148*	102239*
107495	16427*	26241*	in sugarcane	28376	35363	California		101971
26316*	35353*	55927*	48079	48106	48127	United Arab Republic		101721
75866*	86496*	97471*	48217	49000	58827	in soybeans		48605*
bibliographies		7514	86493		75838	in wheat		9879
colloids		26321*	in tomatoes	85727	38332*	Sulfathiazole	4242	83594*
			in wheat	27814	48027*	Sulphydryl compounds SEE Mercapto		93641*
			48445*	58815*	78588*	compounds		
			78833*		78818*	Sulphydryl group SEE Mercapto group		
						Sulfides	18184	61464
								101805*

\*Text of this reference is not in English.

	Item				Item				Item		
Sulfides-- Cont				Sulfur-- Cont				Sulfuric acid-- Cont			
in meat			35023*	in beef		55533		in vinegar			25370*
in pulp and paper manufacture			30651	in cattle nutrition		72057		in wine	64989*		85145*
61507 61465 40988*				in <i>Chlorella pyrenoidosa</i>		78225		in wood processing	41141*		60777*
Sulfisomezole			93308*	in corn		68960*		Sulfuric ether SEE Ethyl ether			
Sulfisoxazole			52283*	in cotton		78447*		Sulfurous acid			64893*
Sulfite liquor	12370	12397*	102977*	in dairy products		54503*		Sulkowitch's test			51854*
analysis and composition			12369	in fats and oils		26146		Sumac SEE Rhus			
91716 91725 21579*			61448*	in feed processing		61682*		Sumatreuma n g			23557
71503*				in fertilizer processing		60757		Sumithion SEE Folithion			
chemistry	61511	102976	103033	in field crops		89627		Summer sores	31685	92890	92894
effects on plants			11324	in food		34125		13368* 62601*			
products		2989	91733	in grapejuice processing		44732*		Sunania			101*
recovery	12366	41006	81510	in milk		22292*		Sunburn		3857	82960
30660*				in plant nutrition		78778		Sundochernes			73508*
Sulfites				in plants	1355	10180		Sunflower meal	72569	12891*	65972*
in fibers			85648	37940 54116 80020		99414		Sunflower oil			
in food processing	6820	106641		101971 48325*		84775*		chemistry			26064*
64908*				in poultry physiology		62877		extraction			65972*
in potatoes			75324	in proteins		84783		feed		82560	103845
in vegetable processing			55079*	in pulp and paper manufacture		34611		industry			75686*
in wine analysis			6317*	40988*				losses			35190*
in wool			85643	in sheep nutrition	52436	72057		processing			35170*
Sulfodiminesin SEE Sulfamethazine				104612				properties			26066*
Sulfonamides				in soils	80020	49704*		trade			36220
effects on animals			51559	Africa				Sunflowers			
effects on bacteria	61699	105011		reviews		101911		abnormalities			99953*
3111*				California		101971		anatomy and physiology			1209
effects on cattle			62292*	Canada		90874		9800 9813	9966		27811
effects on plants			1325	India	39932	39986		38333 69124	78145		78455
effects on rats			13411	Mississippi		80049		78811 89438	89477		89487
effects on ruminants			81878*	reviews		28255		100181 917*	9663*		9711*
in blood	12593	22950*	32262*	in tomatoes	89377	48498*		9962* 9968*	9975*		9987*
51505* 92070*				in wheat		10034		10163* 18977*	38109*		38346*
in milk			62334	in wool		107042		58764* 68759*	68794*		68993*
therapeutic use	30920*	30964*		toxicity		63164		78121* 89564*	89741*		100293*
92070*				Sulfur compounds				100296* 100438*			
bees			105425	fungicides	27158*	68200*		biochemistry		38551	48630
cattle	62334	103721		in cattle physiology		3657*		10163* 59037*	69229*		78993*
poultry			93251*	in feed		106585*		79008* 79016*			
swine	104924	32524*		in food		106585*		breeding	38872*	78887*	79377*
Sulfonates SEE Sulfonic acids				in lignin		81569		101054*			
Sulfonic acids	81568	89928	103031	in plants		19342		costs and returns			35874*
Sulfotepp			94286*	in soils		90921*		culture			
Sulfoxide			73080	reviews		60197*		Bulgaria			48936*
Sulfur				in strawberries		75223*		Canada			101050
colloids			61634*	Sulfur dioxide				Hungary			38873*
determination	10180	84803*		analysis and composition		102330		Ivory Coast			79371*
effects on <i>Botryodiplodia ananassae</i>			68697	effects on bacteria		44169		Poland			38886*
effects on <i>Colletotrichum capsici</i>				effects on fruit		75205		Republic of South Africa			19691
58477				effects on <i>Hevea brasiliensis</i>		27023a		Rumania	2468*		90215*
effects on cucumbers			23237	effects on plants	89470*	89694*		Spain			28712*
effects on fruit			37962	89726*				USSR	101057*		102229*
effects on forage plants			89748*	fumigant	25500	55206		cytology			47710
effects on <i>Fusarium solani</i>			68697	in apple juice		65434		defoliation		1645*	69620*
effects on <i>Macrophomina phaseoli</i>				in cherry processing		96818*		disease resistance		844	58442
68697				in cider	34234	54406		drying			1646*
effects on milk			25026	in food processing		15433		ecology			9800
effects on peas			1162	44037 107329				fat and oil content		9663*	9962*
effects on plant disease			27158a*	in fruit		65440*		35874* 38873*	38893*		
effects on plants	28052*	78412*		in fruit processing		44757		feed			51455*
78591*				in grapejuice processing		65615*		fertilizers	9962*	11473*	50184*
reviews	19082	28255		85879*				91161*			
effects on potatoes			28062*	in jellies and jams		85734*		fungus diseases		37307	47297
effects on ruminants			21780	in meat processing	35089*	35090*		57954			
effects on tea			9989	in potato processing		44688		Canada		9057	88738
fertilizers	11841	60752	80737	in pulp and paper manufacture		21605		control		77783*	88787*
39955*				30660*				Sardinia			37284*
Africa				in vegetables		65440*		Yugoslavia			8978
reviews			101911	in wine manufacture	6287*	44167*		genetics	844	58442	100071
alfalfa	29777	80317	11536*	44219* 54435*		64965*		9585* 18781*	58434*		78295*
clover		1082	29777	74559* 74564*		74568*		germination			28246*
corn			40069	74640* 85092*		96329*		harvesting			69620*
forage plants	29835	39984		106777*				harvesting date		9962*	10529*
49992 50043		72790*		Sulfureted hydrogen SEE Hydrogen sul-				43599*			
Pinus resinosa			81064	fide				harvesting equipment			24104*
potatoes			29702	Sulfuric acid				honey plant			49543*
Southern States			50044	effects on plant disease		37177		hybrids		78305*	101054*
soybeans			101948	effects on seeds	12117	18793		industry			45135*
sugarcane			68895	48004 9980*				injuries			88738
white clover			69128	fertilizers		80385*		irrigation	79379*	91231*	102229*
fumigants			43808*	in beverages		25370*		male-sterile			47876*
fungicide	77680	77778	9056*	in cornstarch manufacture		25747*		morphology	78145	78213	9520*
58019* 68200*				in fats and oils		65983*		78121* 89120*			
in animal nutrition			71605	in food processing	34185*	106692*		North Carolina			1642
91897*			61634*	in potato processing		96914*		nutritional deficiencies			69124
in barley	18584	58547*		in sugars determination		97445*		936* 79008*			
				in turpentine	51298	51292*					
				71531* 81537*							

\*Text of this reference is not in English.



Item			Item			Item		
Sunflowers-- Cont			Superphosphates-- Cont			Surgery-- Cont		
pest control		86276*	Rumania	11479*		103340	12609*	30879*
pests		17922*	statistics	91386		61753*	61805*	30942*
planting	69624	9962*	USSR	2434*		81841*	61821*	81824*
59407*	90224*		Yugoslavia	100240*		SEE ALSO UNDER names of animals		
planting date		69624	Supersonic vibrations			Suriga SEE Bireta (Suriga)		
pollination	18781*	78170*	effects on <i>Aedes aegypti</i>	14713		Surirella	67927	57698*
propagation		59408*	effects on animal parasites	103828*		Surirella ovata	9410	27537a
seeds	78209	1645*	effects on chicory	38213*		Surital sodium		31621*
28246*	59037*	78993*	effects on <i>Clostridium brevifaciens</i>	33366		Surpluses	24430	56332
certified		101057*	effects on field crops	89550*		86877	86878	66645*
cleaning		88787*	effects on goats	52449*		disposal	6086	8209
cleaning equipment		107889*	effects on grain	47925*		17145	24442	27204
drying	26064*	45291*	effects on moths	73835		46384	67276	33963
drying equipment		75818*	effects on <i>Pinus ponderosa</i>	50878		108872	34087*	76728
fat and oil content	69624	100071	effects on plants	58479*	68541*	84769*	87631*	76741*
28246*	45180*	45291*	78615*			SEE ALSO SUBHEADS purchase and		
feed		81673*	effects on <i>Pseudotsuga menziesii</i>	50878		sale programs; surpluses UNDER		
grading and standardization		45180*	effects on seeds	68744*	78615*	specific subjects		
97228*			89549*	102685*		Surra	21843	22219
moisture	66020*	97257*	effects on starches	15395*		Surveying		61919
nutritive value		17236	effects on tomatoes	47925*		equipment		60998
processing	26096*	45150*	effects on wheat	89621	47925*	France		50683*
proteins	17236	65972*	in animal research	3884	89432*	Great Britain	26993	53602
100438*			93815*	45056*		Northern States		12209
quality	1646*	45291*	in carcass grading	12732	12936	research methods		43411
storage	16313*	45291*	25860	41694	86179	statistical		43411
66021*	97257*		107599	3677*	93923	study and teaching		53601
trade		36220	42230*	42337*	32548*	Sweden		61335*
treatment	57808*	77783*	52633*	62462*	52601*	Tanganyika		106181
USSR		79377*	83116*	93725*		Virginia		15006
viability		58745*	in cattle research	62179*		Sutures	12573	3614*
vitamins		17236	in dairy industry	74919	74982	31623*	62231*	30942*
situation and outlook	7266*	66057*	96565			Svastra obliqua obliqua		64165
soils		1209	in dog research	62500*		Swaine jack-pine sawfly SEE		
varieties			in egg industry	35317		Neodiprion swainei		
Argentina		28717*	in entomological research	33366		Swainsona salsula		101568
Bulgaria	28725*	59415*	in hides and skins processing	25989*		Swallenia		78080
Germany		101063*	in olive oil processing	75731*		Swammerdamia caesiella		95558
USSR	28712*	38872*	in rabbit research	42110		Swammerdamia lutarea		95558
59415*			in sugar manufacture and refining	97446*		Swamp black tupelo SEE Nyssa		
weed control	29374*	59963*	in swine research	72984*		sylvatica biflora		
90610*	101540*		in wine manufacture	6319	24630*	Swamp fever of horses SEE Equine		
yields	59407*	59415*	in wood research	102933		infectious anemia		
89741*			Supply and demand	7797	7852	Swamps		
Sunn Crotalaria	25215	70566*	24500	26405	26421	Germany		81032
anatomy and physiology		47538	34140	34143	36235	East Germany		90833*
68667	100467	100534	66591	66629	66636	Michigan		61296
culture	91173	100534	66714	96128		New Jersey		9368
fertilizers		9249	research methods			New York		99020
marketing		54872	statistical	25076	55463	Sierra Leone		20670
pests		5529	75569	106602	106624	USSR	50775	11746*
virus diseases	9249	27334a	Supply management SEE Markets and			61088*	102183*	102230*
27338a	47490	47524	marketing; Production, adjustments			SEE ALSO Marshes; Peat bogs		
47538		47526	Supramycin	12998*		Swayback	32159	72838
Sunn hemp SEE Sunn Crotalaria			Suramin sodium	21843		Sweat		93660*
Supella supellectilium		53536	12548*	12549*	30843*	Sweat glands		13072
Super Cosan		88815*	Surface-active agents	11023	11066	buffaloes		13091
Superfetation		41853	11114	86323	96819	cattle	31455	41413
Supermarkets	34057	54149	effects on Cinchona	10269*		dogs	62489	82360
84872	106615	84850	effects on enzymes	96442		sheep		52386
conferences and congresses		24440	effects on <i>Eremothecium ashbyii</i>	19376		Swedes SEE Rutabagas		
Great Britain		6807	effects on herbicides	2060	29279	Sweet woodruff SEE <i>Asperula odorata</i>		
Japan	34733*	35261*	29358	79815		Sweetclover		
Ohio	84885	106631	effects on <i>Musca</i>	14669		anatomy and physiology		48178
Vermont		24445	effects on plant disease	375		78876		
Superovalulation		104756	effects on plants	11114	68981	biochemistry	58996	78953
Superphosphates	2414	11644	effects on soils	60656	79967	28208*		
11853	19087	49961	effects on tobacco	1078	18989*	breeding		79297*
70579	78380	89583	effects on vegetables	6895		culture	102098	50155*
99771	102359	2376*	in food processing	24525	34177	cytology		37636*
60488*			in fungicide formulations	77689*		disease resistance		8989
application	101949	48162*	in herbicide formulations	79847		effects on soils	60356	39769*
80396*	101927*	63535*	90591			fungus diseases		8989
application equipment		95835*	in insecticide formulations	52851		germination		28208*
Australia	11270	70605	77689*			morphology		27501a*
Bulgaria		102057*	in milk	65077*		pest control		14126
China		101923*	in olive oil	55642*		pest resistance		23223
disinfectant	12770*	12774*	in rice processing	34858		pests		14125
Germany		78591*	in sugar industry	55917		planting		28636
East Germany		70534*	manufacture	86496*		seeds	27501a*	57767*
India	70564	70594	Surfactants SEE Surface-active agents			toxicity	72239	78953
manufacture	2646	30049	Surgery	30868	51461	varieties	32265	48856*
102335	102345			62926	71831	virus diseases	105854	99616*
New Zealand	21009	29759			103174	Sweetclover aphid SEE <i>Therioaphis</i>		
Nigeria		40358			103234	riehmi		
Poland		60770*				Sweetclover weevil SEE <i>Sitona</i>		
						cylindricollis		

\*Text of this reference is not in English.

Item				Item				Item			
Sweetcorn				Sweetpotatoes-- Cont				Swine--Cont			
anatomy and physiology	1022	38262		hybrids		79709		breeding--cont			
biochemistry	28371	58991		industry	6794	54923		effects of feeding--cont			
canning		55207*		keeping quality	25448	55151		Germany			
chemistry		75308		89441				East Germany	32359*		
cleaning		75308		marketing	6794	34723	34753	32364*		93773*	
culture	1967	49303	49365	75252				Netherlands		44242*	
Denmark		101388*		mechanization	5698*	33565*		reviews		4455*	
Japan		29124*		64327*				Sweden		82941*	
USSR		29063*		morphology	78174	89441		USSR		15288*	
diseases		68076		nematode resistance		9275		effects of housing	15284*	15288*	
enzymes		107246		nematodes		9275		15303*	84661*		
feed		71610*		packing	34753	75286		Estonia		72913*	
fertilizers		40094		pest control	4800	26996	63582	France	23002*	93743*	93744*
harvesting		52891		pests		17984	84122	93747*			
hybrids	1988	39412	105221	planting		79692*	90573*	Germany	22878*	52675*	71981*
keeping quality		65626		planting date		89447	100317	93748*			
packing		25455		planting equipment			33677*	East Germany	93746*	93750*	
pest control	23205	42625	52891	prices		16068		Great Britain		93727	
68076	83304			processed		44728		Hungary	52500*	65883*	82882*
				processing	16021	16031	75326	hybridization		22881	72912
				107371	107372			4472*	32330*	93732*	93733*
				processing equipment				Argentina		32315*	
				products		25435	65536	Belgium		104761*	
				45340*				Bulgaria	52528*	42237*	42238*
				propagation		28171	89448			63173*	82902*
				88792*				China		104750*	
				properties		38173	44728	Czechoslovakia		93751*	
				reviews			29079	Denmark		52506*	
				seeds			79709	Germany	22882*	22883*	
				soils		11472*	38283*	93722*			
				spoilage			55168	East Germany		93718*	
				statistics			16068	Hungary		63223*	
				storage		38173	55151	Italy		52515*	
				32371*				Japan	32321*	82892*	
				China		96874*	107335*	Missouri		4467	
				diseases	16021	25498	55168	Poland		52508*	
				75286	107354*			Rumania		93721*	
				tests			65443*	USSR	4527*	22891*	32319*
				varieties			79658*		32324*	72903*	72907*
				Japan	1985*	20195*	21913*		82934*		
				Pacific area			79747	inbreeding		22893	52512
				Virginia			70018	82891	4475*	32330*	52507*
				virus diseases		4800	37427	72903*	93737*	93745*	
				47488	99595			Iowa		72915	
				weed control		29262	90596	Italy		52517*	
				yields	16068	70018	89447	Japan	32329*	52510*	52511*
				90573*				93738*	93739*		
				Swep SEE Methyl N-(3,4-dichlorophenyl)				Latvia		52498*	
				carbamate		37709	57632*	linebreeding	4475*	22882*	93736*
				Swertia		81445	94460*	93750*	104755*		
				Swietenia			9930*	Minnesota		52513	
				Swietenia humilis			51079	Netherlands		63179*	93731*
				Swietenia macrophylla				93748*			
				Swine		32552	71846	North Carolina		32325	
				abnormalities		83051	63293*	Norway		93753	
				72904*	73008*	93737*	104883*	Oklahoma		81670	
				reviews			104851*	Philippines		22926	72900
				accounting			66879	Poland	72902*	72908*	73019*
				adaptation	4555*	13832*	52602*	82885*	93726*		
				63280*				seasonal	4606	22877*	22949*
				age				32331*	63269*		
				104834	13805	63291	82984	Southeast Asia		23016*	
				75247	4564*	13864*	52538*	Sweden		72904*	93752*
				72899*	82107*	104891*		Taiwan		32481*	
				anatomy and physiology			82983	USSR	4466*	82896*	82898*
				83045	83066	4577*	13832*	93749*	104763*		
				32482*	51866*	63288*	72910*	breeds		22875*	52510*
				and disease			32461*	22875*	52510*	52511*	4595*
				as laboratory animals			22878*	American Landrace		32400*	
				associations	93740	23005*	73018*	Bazna		63201*	
				86085*	97930*			Belgian		52518*	52520*
				bacteria		4567	13844	Berkshire	22893	72900	63223*
				bibliographies		16181	93907	Bulgarian Improved White		42237*	
				breeding		42236	93728	42238*	52528*	63173*	63175*
				93729	93741	4476*	32335*	82902*			
				52501*	82883*			Caserta		93720	
				Albania			52522*	Cornwall		93778*	
				Australia			4459	Czechoslovak Improved White			
				Belgium		93747*	93756*	13762*	63271*	104752*	104754*
				Bulgaria			82887*	Danish Landrace		22897	32342
				Canada			103505	4486*	22877*	22887*	32327*
				China			93734*	52507*	93735*	104852*	
				Denmark	22874*	52507*	52523*	Dermantsi Black Spotted		52524*	
				63177*	93754*			Dnieper		82934*	
				effects of age			32326*	Duroc	72972	72899*	
				effects of feeding	104783	22880*		Dutch Landrace	22898	22922	
				32339*				93722*	104761*		
				Bulgaria			63185*				

\*Text of this reference is not in English.



	Item		Item		Item
Swine-- Cont		Swine-- Cont		Swine-- Cont	
breeds--cont		care--cont		diseases--cont	
East Balkan	63173*	Denmark	32565*	diagnosis	42330*
Estonian Lop-eared	32319*	France	23002*	eradication	13849* 22981*
104765*		Germany		Great Britain	72966
Essex	93727	East Germany	51990*	Italy	63259*
German Improved Landrace		Great Britain		Japan	32521* 83047* 93864*
4471* 13759* 22883*	104761*	Iowa	73031	Nigeria	4728
Hungarian White	73021*	Italy	23004* 23017* 32556*	prevention	32458 52662
Lacombe	32328 63178*	72951* 83114*	93913*	Spain	
Landrace	52509 32333* 32334*	Japan	32563*	transmission	82981*
42237* 42238* 75593*	82902*	Kentucky	63219	treatment	4477
104790*		Montana	63355	13866 13892* 31322*	4544 13779 42308*
Large Black	22891*	New Mexico	63356		
Large White	82891	Netherlands	104945	dwarf	22878* 104764*
82905 83050 93798	104758	New Zealand	52662	embryos	52609 72964 104915
22887* 22889* 22891*	32318*	Northern Ireland	23012	anatomy and physiology	4580
32319* 32327* 52526*	52528*	Puerto Rico	73025*	22948 22958 42290	42293
63179* 72910* 72929*	82896*	Republic of South Africa	4621	52579 52638 93842	63273*
82934* 93732* 93733*	93744*	seasonal	13894*	disease resistance	93899*
93747* 93748* 104765*	104790*	South Dakota	52666	diseases	4601 32545*
Mangalitsa	63223*	study and teaching	32566*	mortality	72996* 82969*
Mirgorod	82934*	Sweden	71997*	parasites	22977 104920
North Siberian	82898*	conferences and congresses	63348	equipment	5732 5716* 24063*
Omsk Gray	32317*	51964*	42338*	estrus	4537 82888 83057
Pietrain	22882* 22883*	contests	4613*	104813 4578* 4609*	13855*
52506* 52518*--52520*	93718*	cooperatives	23008 35055 45038	13871* 42235*	83063*
Poland China	52512	45042 25911*		exercise	83108*
Polish Lop-eared	52497*	costs and returns	4606 45933	farms and ranches	93902
93755*	52508*	76450 82961		cooperative	87075*
Pulawy	4474* 52508*	Australia	56609	Georgia	45879
52562* 52563* 107607*	52526*	Austria	97970*	Germany	42340*
Siena Belted	93720	Czechoslovakia	32491*	India	32557
Swedish Landrace	4592*	Denmark	87155*	Japan	26861*
52498* 93732* 93733*	104765*	France	26924*	management	26779 34976
Ukrainian Spotted Steppe	32320*	Georgia	45879	73027 82330 83101	
Ukrainian White Steppe	22876*	Germany	7096* 16923*	Alabama	108384
32319* 32320*		56610* 76453*	84649*	Canada	16849
Wessex Saddleback	93720	East Germany	4501*	Czechoslovakia	32492*
93727		35887*	93909*	Germany	32348* 52675*
Zlotniki	63176*	Ghana	73030	87078* 97930*	
Canada	52499	Great Britain	26807 26890	East Germany	93797*
carcasses	13766 13814	56579 66909	76402 87167	93920* 97915*	97679*
analysis and composition	4499	93910		Great Britain	26807
4553 12901 13807	13808	Hungary	16926*	Hungary	106212*
13813 13816 22957	25860	Japan	26454* 32568*	Illinois	93917
82953 93855 93900	104772	56519* 97982*		Indiana	45838
104778 107595 4472*	4491*	Louisiana	35883	Japan	32334* 32555* 32562*
93768* 107607*		Malawi	52509	32571* 56519*	63359*
bacteria	55485* 72957*	Michigan	56612 76458 87217	New Zealand	13901
contests	4615 23003*	87217		Northern Ireland	26734
defects	22955*	Netherlands	7937* 26907*	56397	
grading and standardization	52661	87229*		Oregon	97887
86176 93923 107649	42337*	North Carolina	32325	Philippines	76229
45065* 63351*	97121*	Northern Ireland	66879	Poland	83108*
judging	4481 25922	Northern Rhodesia	52509	USSR	45853* 51739* 76291*
104899 22883* 23013*	45067*	Norway	35920*	Venezuela	76275*
65883* 72901*	83116*	Philippines	66951*	Minnesota	7889
processing	97151*	Poland	76229 45914* 45917*	Netherlands	97177*
quality	4482 4506	97979*		North Carolina	32325
13785 13900 32381	32403	Southern Rhodesia	52509	Poland	83112
32428 42307 72950	82900	Sweden	56577* 56578*	USSR	4466* 24022* 33525*
82901 82945 82949	82931	66929* 97952*		84339* 93749*	
86170 103353 104776	107593	USSR	45853*	feed relationships	4489 4493
107649 4620* 13902*	13904*	Utah	66935	4499 4506 4561	13766
42334* 52497* 52526*	52562*	Venezuela	76275*	13814 32351 32403	42236
52566* 55495* 63175*	63183*	Virginia	56589	52673 72925 72930	82937
63205* 63270* 82919*	83054*	West Virginia	22901	87155 4501* 4620*	25951*
93757* 93809* 93811*	97121*	credit	23015	32350* 52563*	63207* 82107*
104946*		cytology	63125*	82911*	
research methods		Czechoslovakia	32499*	feeding and nutrition	4484 4507
statistical	93900	deficiency diseases	83093	4509 4511 4520	13779
weight and measurement	4553	digestion	32439 82296	13789 22928 32342	32398
13807 22940 55501	72905	4497* 13872*	13874*	42236 42315 52549	63186
73024 86170 7168*	16202*	104788*		82909 82921 83092	93774
35073* 45067*	52672*	directories	93911 104950	104776 104777 104778	104781
63174* 83105*	97133*	disease resistance	104765* 104819*	104792 104944 107108	4502*
yields	25896 4471* 13897*	diseases	32425 73003 82991	4516* 4559* 22904*	31152*
23000* 42340* 63203*	63228*	52501* 52620*	93859*	32355* 32390* 32400*	32405*
97133* 104752*		control	83097 104892 22937*	63347* 72937* 82924*	82928*
care		32405* 52643*		93811* 104258* 104770*	104800*
53950 73020 73027	83101	Canada	83041	Africa	4506 13782 52552
93906 104844 104919	32335*	USSR	32462*	93769	
52501* 52596*	63306*	Czechoslovakia	32492*	Albania	32346*
Australia	4459	Denmark	13803* 13804* 22874*	Argentina	32377*
Brazil	13898*	104869*		Arkansas	63213
Belgium	104947*				

\*Text of this reference is not in English.

	Item		Item		Item
Swine-- Cont		Swine-- Cont		Swine-- Cont	
feeding and nutrition--cont		feeding and nutrition--cont		habits and behavior	52673 104942
Australia	4504 42239	Norway	82926	104943 104951	92670*
104782 104795		Oklahoma	81670	herd size	42340*
Austria	32374* 93807*	pasture and range	104919	herdbooks	52499 82895 13758*
Belgium	22929*	4503* 32364*	63216*	Danish Landrace	22884* 82890*
Brazil	42260*	93766*		Large Black	82894*
Bulgaria	52396* 52528* 52559*	Philippines	13783 22922	history	93720 93905 82898*
63192* 104603* 104610* 104788*		Poland	4547* 22915* 32383*	housing	33884 53963 64593
104876*		63224* 63225* 72947* 72953*		73128 83055	96017 96023
Canada	42269 82905	82120* 82914* 82940*	84397*	106464 4543*	5909* 13879*
China	90130*	93796* 95894*		15295*--15297*	24231* 32520*
costs	56612 7937* 52568*	recent developments	42245	43780* 52617*	82924* 84690*
Australia	52533	52551 52567 63210	72923*	95975* 106468*	
Germany	76453* 82943*	research methods		Arkansas	106459
108527*		linear programming	82905	Australia	53953 106461
East Germany	32357*	restricted feeding	22914 22923	Belgium	53966*
76407* 108519*		22933 32404 42251 72950		construction	53951 73023
Michigan	87216 87217	82953 93794 93806 104784		4579* 5914*	24234* 52648*
North Carolina	52527	82953 93794 93806 104784		64589* 74219*	84685*
Poland	45917* 72933*	reviews	22931 42250	Germany	106436* 106445*
82954* 104771*		Rumania	22899* 72928*	East Germany	33848*
Sweden	97952*	seasonal	4512 106459 22920*	Japan	33880* 33835* 96003*
USSR	22907* 35073* 53686*	104796*		USSR	33857*
56594*		Norway	62091*	controlled environment	84669
Czechoslovakia	13777*	Poland	82927*	costs	15317 53972*
deficiencies	4545 13784	Sweden	72027*	Denmark	53927* 96029*
22998 52646 72922 104843		Sicily	93785*	designs and specification	5923*
4575* 22978* 32494* 42241*		Spain	52560*	5927* 24234* 24239*	53858*
42253*		Sweden	4522* 4523* 4528*	53967* 64613* 74193*	
Denmark	52530* 52538*--52541*	71997* 72931* 93792*		Finland	106457*
52543* 52544* 52554* 52564*		Switzerland	63220*	France	53959* 74197*
82929* 93789* 93799*		tropics	32350*	Germany	53916* 84649*
feedlot	4506 5906 22881	USSR	4521* 22917* 32320*	East Germany	33851* 33860*
32428 82904 104785*		32338* 32354* 32370* 33753*		53905* 74213*	95976*
Bulgaria	42261* 42270*	42246* 51739* 63221* 93776*		95988*	
72927*		93787* 93800* 104773*		Great Britain	64618 64626
Czechoslovakia	32492*	USSR bloc	93788*	74208 96014 96018	
Florida	82953	Yugoslavia	63208*	heating	15300* 33868* 33877*
Germany	4513* 13903*	feeding and nutrition equipment	43520	43756* 52660*	53939* 53976*
22883* 42264*	82942*	53686* 53689* 64400*	73991*	humidity	5906 4620* 13903*
East Germany	32360*	95768*		Hungary	15292*
32414*	93797*	Germany	84403*	Indiana	24243
Hungary	13851* 63223*	East Germany	5721*	insulation	64615 43768*
82913*		Lithuania	43750*	Ireland	53950 93906
Mississippi	104791	Netherlands	43510*	Japan	33861*
Poland	72932*	Sweden	95764*	Kansas	42526
82912* 82951* 82952*		USSR	5722*	legislation	24238*
82906* 82907* 82911*		42926 22926 32381 72915		Lithuania	42341* 43749*
32950* 93777*		104756 104783 4455*	13759*	Mississippi	74211
USSR bloc	82922*	32326* 32331* 32372*	63181*	Netherlands	5923* 53964*
Finland	104787* 104789*	63185* 72911* 82881* 82941*		New Zealand	24247
Florida	104797 104798	93719*		Northern Ireland	24258
France	72938*	genetics	4456 4460 4463	84654	53955*
Germany	4981* 13767*	4478 4480 13760 13807		Norway	74199*
32347* 32348* 42243*	52675*	13808 22881 22892 22896		Poland	106446*
63194* 63230* 71981*	82932*	22897 52496 52505 52516		remodeling	5932
82955* 84390*	93767*	63184 72905 82884 82897		Republic of South Africa	22947*
East Germany	13775* 13792*	93728 103505 104751 104766		reviews	53931 15303* 24261*
32344* 32345* 32353*		13754* 22879* 42234*	63176*	sanitation	96033 84692* 84692*
32361* 32363* 32365*		63181* 72904* 82883*	93737*	seasonal	93916*
32366* 32367* 32391*		reviews	104851*	Sweden	5933* 53928*
32392* 32406* 32407*		germ-free	4473 4477 22976	93783* 93792*	53940*
32413* 32415* 32459*		32426 52576 52581 52587		temperature	3315 84672
42263* 42266* 52547*		82961 83097 93863 13791*		96007 4620* 15284*	24235*
93101* 93771* 93810*		13849* 22981* 32549*	63306*	43758* 53945* 53977*	63358*
93775* 104775*		104835*		64624* 74204*	95974* 106449*
Great Britain	4488 93781	conferences and congresses	104195	USSR	32462* 84699*
93798		reviews	22991*	ventilation	96007 43756*
Hawaii	63193	grading	22976 25896 25931	53918* 53939*	95989*
Hungary	13788* 42255* 42267*	65895 75585 86150 86179		Hungary	52674*
72946* 82933* 93784*		72973* 93752* 97127*		identification	52670 93912* 104948*
in pregnancy	13773 22911	China	55486	illustrations	42293
93802 4510* 4575*	104767*	Denmark	55484*	immunization	104861
India	93772	Northern Ireland	86191 55484*	in folklore	63354
Indonesia	22910	Sweden	32551* 32567*	industry	86091 104940
Iowa	32399	Great Britain	52671	Bulgaria	25811*
Ireland	93758	growth	4489 4493 4499	Canada	107583
Italy	27615* 32384* 52669*	4506 4561 13808 13813		European Economic Community	16184*
72951*		13814 32381 32428 52673		France	16184*
Japan	32371* 32373* 32382*	72934 73020 73032 82937		Germany	45004*
Latvia	22088* 22903*	82945 83011 104766 104769		Great Britain	55399 75517
Lithuania	44412*	104776 104777 104778 104779		93908	
Mexico	22902*	104792 104861 4516* 4521*		horizontal integration	65810*
Middle Western States	32389	4525* 4573* 4620* 13762*		Ireland	44989
Netherlands	7937* 13764*	13810* 13832* 32355* 32382*		Michigan	104944
63229* 82915*		42240* 42260* 42307* 52537*			
New Jersey	72935	52562*--52564* 52617* 63207*			
		63221* 63253* 72899* 82941*			

\*Text of this reference is not in English.



Item			Item			Item		
Swine-- Cont			Swine-- Cont			Swine-- Cont		
industry--cont			meat production--cont			pest control		
Missouri		92126	effects of feeding--cont			63493*	73130	83260
Ohio		75529	4486*	4505*	13902*	72979*	83276*	94043*
Oregon	32564	82333	42340*	52529*	63189*			
Poland		34986	63201*	63203*	63205*	pests	42526	73128
USSR		63353*	63216*	63228*	72940*	83248	94148	
vertical integration		34976	92299*	93759*	93762*	poisoning	13811	13845
97039	34987*	65810*	93765*	93778*	93809*	42326	63309	73005
Washington		63350	Australia		93812*	83039	83076	83078
infectious diseases	41336	42284	Bulgaria		72950	4543*	4579*	13833*
104903	63261*				52546*	63308*	63333*	104895*
China		104867*			82903*			104931*
Germany	4536*	83018*	Denmark		4487*			4517*
injuries	22955*	42317*			52531*			52648*
judging	32460*	32558*			93779*			
63288*		45068*	Estonia					
labor		26560*	Georgia		72942*			
Austria		97970*	Germany		42247			
Denmark	32565*	97672*			4513*			
Germany	53916*	76453*	East Germany		32395*			
East Germany		97679*	32410*					
Hungary		97656*	Hungary		42244*			
Norway		16622*	Indiana	42254	63226	pregnancy	63276	83058
USSR		56185*	Ireland		22921	104813	32519*	52543*
lactation	73028	93803	Italy		104790*	52584*	63293*	63296*
32519*	52584*	63229*	Japan		93786*	83063*	83064*	93889*
82928*	82936*	82948*	Kentucky		63219	diagnosis		4594*
legal aspects		32518*	Latvia		22927*	52580*	63285*	72974*
litter		73023	Norway		63206*	93853*		73013*
litter size	4478	4512	Poland		32337*	prices	7184	75585
42339	93917	104938			32356*	Brazil		25951*
93742*		22893			32408*	European Economic Community		97142*
losses	42284	52662			52563*	Germany	45004*	65900*
32491*		13876*			72929*	Illinois		25905
marketing	55469	75585			72944*	Minnesota		7889
Alabama		75586			82912*	Netherlands	86197*	107655*
Germany	7152*	45039*	reviews		82935*	Ohio		55512
Great Britain		55470	South Carolina		42242*	Poland	72909*	97143*
Illinois	25904	25905	Sweden		22909	production regions		75529
Ireland		65865			52545*	purchasing	25896	97143*
Montana		63355			82923*	records and testing	4561	104915
Northern Ireland		86161	USSR		63207*	31085*	82965*	
research methods		86150			22907*	Belgium	22929*	52518*
statistical		65861*			72949*	Denmark	93903	32554*
Sierra Leone		65877			82950*	93915*		52667*
Southeastern States		32551*	West Virginia		104786*	France	22887*	22889*
Sweden		35042	effects on housing	23011	13903*	Germany	13904*	23010*
Virginia		22967			95988*	83106*		63183*
meat production	22940	22967	effects of sex	13896	107593	East Germany	4616*	13902*
31512	32570	83011	4574*	32318*	104846*		35887*	93904*
13810*	32553*	42337*	effects of stress	4593	32421*		95988*	
93919*	104939*	104949*	effects of temperature	52665		Great Britain		83103
Albania		93921*	82949			Hungary	13758*	42336*
effects of age	4542	13807	France		4622*	73021*		82913*
13815	13817	82884	Germany	13904*	52643*	Iowa		4614
4486*	52631*	4472*	63357*		63349*	Ireland	23006	83107
effects of breeding		13763	East Germany	4616*	42230*	Japan		104941
13862	22897	72916	Hungary	32559*	82882*	Malaysia		93739*
82884	82891	93723	Iowa		4614	Netherlands		93918
107649	4471*	4472*	Japan		32568*	Northern Ireland	13895	83102
4574*	63183*	104752*	Netherlands		42334*	Norway	63346*	93901*
Bulgaria		82902*	New Zealand		13900	Poland	72902*	72911*
104762*			Poland	32353*	82951*	Southern Rhodesia		52509
Czechoslovakia		93751*	reviews		52659	Sweden	51986*	52658*
Denmark	104749*	93751*	Southeast Asia		23016*	63361*	83111*	93922*
France	22889*	104749*	USSR bloc		93788*	regulation and inspection		72945*
Germany	4462*	22889*	mechanization	24022*	33525*	108856*		
Italy	52515*	4462*	33556*	84339*	106212*	research methods		
Poland	4474*	32316*	metabolism	4605	22925	statistical	4456	104915
52526*	63174*	72909*	32381	73012	82909	72899*		
72944*	93755*	93757*	83092	93803	103316	research programs		93907
Sweden		52503*	4538*	4551*	32465*	respiration		32526
USSR		82889*	32468*	32469*	32470*	respiratory diseases	42295	32520*
effects of disease	32455*	42296*	52572*	82964*	83012*	32523*	42297*	63265*
63270*	63307*	73004*	83085*	93768*	93872*	restraint	82963	43774*
effects of drugs	22924	32428	103213*			sanitation	52577	93920
71686	72971	13821*	mortality	72998	82983	52643*	55485*	32462*
32498*		32412*	13804*	104922*		selection	4457	13763
effects of feeding	4482	4494	New Zealand		82895	52516	93729	4552*
4506	4593	12901	ovulation		32328	82885*	93725*	104845*
13785	13817	22913	parasites	42532	82988	France		93743*
22923	22930	32340	72979*	83034*		Iowa		72916
32378	32396	32403	parturition	4606	26807	Poland		72902*
42259	42269	61683	93917	96017	96018	South Dakota		93730
63215	63227	82925	22877*	22949*	24231*	USSR		72907*
82937	82949	93723	32491*	33851*	43758*	shelters		24211*
93806	104772	104776	43780*	52612*	63261*	shows		73025*
		107649	84661*	95976*	104918*	Sicily		52669*
			pedigrees		82887*			

\*Text of this reference is not in English.

	Item			Item			Item	
Swine-- Cont			Swine-- Cont			Symbiosis-- Cont		
situation and outlook	25796	55395	virus diseases	13827	73000	conferences and congresses	38417	
107567	65851*		13870*			insects	23506	33475
Australia		25800	waste		43867	95326	94658*	
Belgium		25831*	watering	22900	22922	and bacteria	14536	33457*
Denmark		25809*	93791*		32560*	and fungi	14245	42958
Europe		57007*	watering equipment	5725	95792	73500	43179*	94860*
Florida		34974	84384*	84391*		and microorganisms		14237
France	55425*	75501*	weight and measurement		4457	42856	53217	53578*
Germany	16216*	25898*	4542	13075	13766	73895*	95596*	
Italy		75574*	13814	13837	16232	reviews		73142
Japan		25793*	26905	72995	82891	and plants		95308
Poland	65789	7101*	82984	93900	103353	plants	38414	38417
45914*	65820*	83112*	32548*	45067*	52538*	78863		47929
Texas		44999	63203*	72899*	72945*	and animals		19028
slaughtering		13807	107607*		104845*	37689	38046	
32453	32508	42259	wild		104814	and bacteria		37977
104844	104940	83040	SEE ALSO Baby pigs; Boars; names			39790	39793	39808
42258*	45020*	4471*	of anatomical parts, body fluids,			78461	80101	80123
104949*	107602*	63203*	diseases and other pathological con-			69118*		
Brazil	22939*	22941*	ditions, operations, parasites, pests,			and fungi	11348	28058
costs		104937	and products			38312	78528	18836*
Denmark		52657*	Swine dysentery	4541	32456	89491*	89581*	
Germany			52595	82986	104879	and microorganisms		9637
East Germany	32416*	104868*	104878*			29574*	89491*	28147*
humane	23001*	83110*	Swine erysipelas	42291	83075	Symmictus costatus		5289*
Japan	62401	93850*	22983*	32484*	32534*	Symmoca sezam		95427
New Zealand		13743	63342*	104838*	104880*	Symmocidae	95427	105967*
Sweden		55485*	Brazil		104926*	Symphathomimetics		42033
Venezuela	7230*	55561*	Bulgaria		32451*	Sympatol SEE p-Hydroxy-a-[(methyla-		
Virginia		35042	causes		82974	mino) methyl]-benzyl alcohol		106151*
Yugoslavia		62203*	reviews		93832*	Sympetma paedisca		64295
slaughtering equipment		83113*	diagnosis	32466*	52652*	Symperobius		5066*
South Carolina		83115	immunization	22960	52656*	Sympetrum meridionale		95624
statistics		35141	63310*	93862*		Sympetrum nigrifemur		94737*
Austria		7229*	mice		62658*	Symphyla	23568	94332*
Germany	65841*	75574*	North Dakota		52575	Symphyogyna		69066
Netherlands		97177*	pigeons		63342*	Symphyleona		5612*
USSR		16262*	pheasants		104426*	Symphyta	42609	63670
Washington		65963	poultry		52229*	4632*	5445*	83432*
study and teaching	73026	32561*	resistance	93825*	104837*	Symphytum SEE Comfrey		67885
surgery	82963	82977	transmission		93836*	Symplocarpus foetidus		73852*
83013	4548*	72993*	treatment	13875*	93827*	Symploce		81527
systems	22901	22910	turkeys	72602	13525*	Symplocos celastrea		105725
26807	63186	63216*	vaccines	32550	42291	Sympycnus		106131
taxation		26515*	4566*	52621*	73015*	Synagapetus		269799*
temperature		13841	93885*	104913*	104821*	Synalissa symphorea		52972
63298	84672	52602*	104914*		104908*	Synanthedon pictipes		64017
72994*		53964*	Swine fever SEE African swine fever;			Synapha		23559
terminology		73022*	Hog cholera			Synaphaspis n g		88343
trade			Swine influenza	72988	83074	Synardisia n g		23616
Canada		103505	63297*			Synchita		77473
Europe		57007*	control		63274*	Synchytrium		9061
European Economic Community		108856*	eradication		63274*	Synchytrium endobioticum		37269*
		87686*	Germany		93894*	37294	57910	99423
Poland		65864	East Germany		32507*	37282*	57909*	68214*
transportation	13789		Illinois		104934	Syndesmophlebia n g		95262
25907*	107602*		transmission		63296*	Syneches		14672
types		22940	virus	42294	63303*	Synechococcus		68985
bacon	4460	13898*	93816*			Synergism SEE UNDER Anthelmintics;		
4542	13785	4482	Swine pest SEE Hog cholera			Fungicides; Growth substances; In-		
22918	63227	22881	Swine pox	42283	83050	secticides; and names of specific		
32388*	72932*	93798	93826*			products		
73021*	82925*	72939*	Swine's milk		93803	Synete		84149*
93733*	104752*	83105*	analysis and composition		73028	Syneurina n g		14595
Australia		4615	32390*	34334*	65074*	Syngamia		64237*
Bulgaria	42238*	52528*	bacteria		52594*	Syngamosis SEE Gapeworms		
Denmark	55484*	83104*	synthetic	42262	4514*	Syngamus trachea	13486	42052
Latvia	22088*	22927*	Swiss chard		37961	Synia		83820*
Netherlands		23007*	Swiss in Yugoslavia		77164*	Synlestes weyersi		43354
Northern Ireland		55484*	Switchgrass SEE Panicum virgatum			Synodinos-Konstas test		107746*
Poland	52497*	52631*	Swollen shoot		9243	Synovia	103696	82467*
55495*	63174*	72901*	cacao	463	9229	Synovial membranes	3882	13397
82954*	98324*	73019*	18281	18322	68080	30949*		
Czechoslovakia	13762*	104754*	77913			Synovitis SEE Arthritis; Infectious		
Estonia		72910*	Syagrus intrudens		33115	synovitis		
Germany	13767*	63357*	Syagrus		23621	Synpoca n g		95440
lard		13897*	Sybra		94825*	Synsepalum		17635*
meat	32570	55501	Sycamore SEE Platanus		53424	Synthomycin SEE Chloramphenicol		
13897*	93722*	93725*	Sychnostigma		99062*	Synthopholin		72136*
104845*		104790*	Sydowiellina		64237*	Synthyrin		36856
Bulgaria	42261*	104762*	Sylepta		5506	Syntocinon SEE Oxytocin		
Poland	32337*	32380*	Sylepta lunalis		105612	Syntormon		105725
Sweden		66929*	Syllectus		23883	Synura		8819
USSR		93777*	Syllepis			Synura uvella		58176*
Taiwan		63184	Syllepta SEE Sylepta		3804	Syringa		
USSR	4619*	63352*	Symbio			culture	19967	49197*
viability		4456	Symbiosis	41870	82153*	forcing	28972*	38434*
			bacteria					

\*Text of this reference is not in English.



	Item		Item		Item
Syringa-- Cont		Systemic insecticides-- Cont		Tabanidae-- Cont	
propagation	1822	oats pest control	42648	pupae	43119*
varieties	69825	ornamental plant pest control	83491	rearing and breeding	83918
47535*	49197*	83496		Republic of South Africa	95097
Syringa josikaea		plant pest control	13964	speciation	5271
Syringa vulgaris		32629*		taxonomy	64056
Syringes	3275	plum pest control	83425	43050*	53303*
82424	51479*	potato pest control	32784	USSR	95060*
Syringopsis temperatella		23189* 23240*		5248*	5222*
Syringophilus		poultry pest control	32710	5274*	5229*
Syringophilus bipectinatus		63463*			5282*
Syrpita		Pseudotsuga pest control	53031	Tabanus	4781
Syrphidae		rabbit pest control	42469	Tabanus biguttatus	64055
anatomy and physiology	43060	seed pest control	105156	Tabanus bovinus	94643
95017*		situation and outlook	83187	Tabanus hissaricus	5229*
Argentina		spinach pest control	94289	Tabanus monoensis	5260
as predators	43055	sugar beet pest control	94270	Tabanus semenovi	53303*
Austria		94282		Tabanus shannonellus	95060*
Belgium		tests	63423	Tabanus staegeri reinigianus	53303*
biology	84032*	thrrips control	83491	Tabanus taeniola	95097
Chile		tick control	23132	Tabebuia avellanadae	30669*
Czechoslovakia		tomato pest control	94353	Tabebuia pentaphylla	102944
ecology	43126*	toxicity	42815	Tabernaemontana	37745
host plant relations	105746	turnip pest control	53021	Tacaribe virus	14000
larvae	23675	vegetable pest control	14110	Tacca	88291
63998*		105184*		Tacca leontopetaloides	48616
Micronesia		wheat pest control	23258	Tachardia decorella SEE Tachardina	
Netherlands	95028	63588 73232	63553	Tachardia lacca SEE Laccifer lacca	
Paleartic Region	83995*	Systole albipennis	5469	Tachardina theae	14774
parasites		Systox SEE Demeton		Tachiadenus	46861*
phylogeny		Systropinae	53347	Tachina convergens SEE Sturmia	
Poland	43048*	Systropus	14596	convergens	
prey		Syzgium cumini SEE Jambolans		Tachina munda SEE Drino munda	
taxonomy	14617	Szik soils	91590 2763*	Tachinidae	
95002*		70684* 80348* 83070*	60288* 90929*	Africa	84009*
Syrphocheilosia n g		91170*		as parasites	95070 95071
Syrphophagus	14781			5237* 53033*	53277*
Syrphus				95057---95059*	94994*
Syrphus balteatus	105746			Australia	105752
Systasis	73748*			Australian Region	23652
Systates	73609*			China	105705*
Systates (Halosystates) n sgen	73609*			Congo	23703*
Systellonotopsis	5417			Czechoslovakia	5245* 63995*
Systemic insecticides				73621*	
adjuvants	83172	T 61	91986*	Europe	95117 14649* 23671*
aphid control	14222	Tabanidae		Germany	105715*
83491 14133*	23294*	Afghanistan	33176	host animal relations	94994*
application	13997	Albania	83971*	hosts	5331 73613 105697
105355*		anatomy and physiology	23710	105704*	
barley pest control	63537	and disease	4781 14076---14078	immature stages	95011
bean pest control	42614	105102 105111		India	94308
cabbage pest control	94289	Argentina	33145*	Laos	95019
cattle pest control	13997	as pests	94245*	Mediterranean area	14649*
23132 42533	63497	biology	105088*	Nearctic Region	23634
105126		bites	43050*	New Britain	23652
cotton pest control	42573	breeding places	5233	New Guinea	14606
63547 83172	99232	14077 95040	14076	North America	23637
dog pest control		Central African Republic	14628*	Oriental Region	95072
effects on Anthonomus grandis	23229	collecting	95125	pupal cases	23652
effects on cotton	28248	control	105111	Rumania	95117
effects on insects		Cameroon	14077	taxonomy	23651 95018 95073
reviews	105041	Louisiana	14078	105704*	
effects on livestock		reviews	94193*	Trinidad and Tobago	64054
reviews	105041	USSR	13993* 94167*	types	5226 105708*
effects on Myzus persicae	52942*	94245*		USSR	14650*
effects on Nematodes	105196*			Tachininae	5245*
effects on plants	52690	Delaware	95053	Tachycines asynamorus	23933
reviews	105041	development	95040	42724*	
effects on Populus	105355*	dissemination	5233	Tachygonus minans	5169*
effects on sugar beets	105227*	ecology	43119*	Tachyporinae	83895*
eggplant pest control	94353	Far East	73663	Tachys	94887*
field crop pest control	73240	flight	95125	Tachytes mergus	14814
fly control	23132	France	23692*	Tachytrechus	53326 105725
forest pest control	53031	habits and behavior	23710	Tachyusa	105672*
formulations	94353	immature stages	33189	Tacsonia SEE Passiflora	
France	104980*	Japan	5296 43117	Taenia hydatigena	103978
grape pest control	73250*	Korea	5296	Taenia krabbei	72374*
grasshopper and locust control	63588	larvae	5260 64055	Taenia parenchymatosa	72374*
greenhouse pest control	52984*	43119*		Taenia saginata	82233*
human pest control	42469	Louisiana	23710	Taeniasis SEE Tapeworms	
in beans	14149	Manchuria	5296	Taeniatherum asperum	39520
in potatoes	23240*	Mauritius	53345	Taeniogalumna n g	73507*
leek pest control	63570*	Mississippi Delta	5271	Taeniogonolus	14837
Lilium pest control	14222	Nearctic Region	33189	Taeniopteryx	84149*
Liquidambar styraciflua pest control	42749	nutrition	83918	Taeniothrips laricivorus	23417*
louse control	42469	Paleartic Region	14638*	Tagalopsyche	53573 106130
mite control	63546	parasites	95040	Tagetes	29223 88901 519*
63570*		predators	23687	69709*	
				Tagetes erecta	10173* 77982*

\*Text of this reference is not in English.

				Item								Item			
Tagetes minuta		9270	88199*	Tagetes oil				Tanning--Cont				Taphrina		390	
Tagetes patula	796	10173*	88925*	99989*				France				Taphrina aurea		77831*	
Tahyna virus		41367	95150					Germany	35087*	65943*	65945*	Taphrina bullata		93342*	
Taiga	13988*	13994*	40653*					107671*				Taphrina deformans	57922*	58020*	
Taihorina			53408					history				105275*		68195	
Tail								materials	25958	25973	25993	Taphrina maculans		364*	
cats		82357	104043					35086	35096	35123	45082	Taphrina minor		53408	
cattle			22154					45084	65949	75621	75624	Tapinacaena n g		28259	
dogs			104043					75663	7199*	7216*	16251*	Tapinanthus bangwensis		73609*	
poultry	4223	62888	104296					35118*	35132*	45086*	65922*	Tapinomorphus			
swine		104818	63336*					65944*	75647*	86211*	86242*	Tapioca SEE Cassava			
Taiwania			28249					97149*	97171*	107670*		Tar	52648*	71534*	81536*
Takahashiella n g			73702*					Niger			35119*	Tar oils		81374	
Takakia	164*		165*					occupational diseases			61876*	Taractan		31554*	
Takakia ceratophylla			57680*					Republic of South Africa			97160	Taramassus dirshi		14909*	
Take-all								research methods				Tarantulas SEE Theraphosidae			
wheat	9007		88823					statistical			65926*	Tarassophorus n g		95072	
Takyr soils			80381*					Tannins			8558	Taraxacum	37723	100460	
Talaeporia SEE Taleporia								chemistry		16247*	75646*	88374*		46852*	
Taleporia tubulosa			33399*					effects on grain			28277*	Afghanistan		26895a*	101535*
Tall fescue SEE Festuca elatior								in Abies alba			81521*	Finland		88284	
arundinacea								in Acacia decurrens mollis			79882	India		98924	
Tall oil			71517					in alcoholic beverages			15515*	Jan Mayen		88374*	
acids	71516	41090*	102991*					in areca nuts			12347	Taraxacum crocinum	17762*	88374*	
analysis and composition	12402	81523	71515*					in Artemisia scoparia		65679*	90769*	Taraxacum kok-saghyz SEE Kok-saghyz		58969	
feed			92270*					in barley	64940*		97002*	Taraxacum officinale	1108*	33985*	47535*
history		2994	21645*					in beer			64977			68948*	
industry			102989					in forage plants			28296	Taraxerol		81530*	
manufacture	51285		71516					in feed			6565	Tarbinskia		84185*	
products	71523		41936*					in food			24366*	Tardigrada		23569*	
situation and outlook	41043		102989					in fruit			10195	anatomy and physiology		42911	
Tallow			52486					in grapes			106847*	Antarctic Region		105586	
analysis and composition	55457*		107608					in Haeematoxylon campechianum			51280	Appalachian Mountains		94733	
chemistry			75540*					in hops			85134*	Argentina		42937*	
color			25835					in Juniperus communis			89798*	biology		5063*	
feed	22149	22534	63211*					in malt			85134*	China		63883	
103845	4505*	22122*	76876*					in olives			55648*	collections		94715*	
nutritive value			7115*					in Paeonia lactiflora			19336	France		105585	
properties			26020					in Phaeophyceae			89190*	Illinois		105577*	
substitutes			19237					in Picea sitchensis			41044*	Italy		5063*	
Tallow alcohols			14092					in plants	28316	29420	61512	Java		63883	
Talus								61513	69222	78971	1412*	Netherlands		94723	
Tamarack SEE Larix laricina								30673*	86211*			North America		23569*	
Tamarind	30625		71461					in Pseudotsuga menziesii			12429*	taxonomy		5114*	
Tamarindus			1395					in sorghum			41911	Vietnam		31312*	
Tamarindus indica	14202		19106					in tamarind	24727	34268*	71461	Tardomyocel	22139*	31312*	
69729*								in tea			100732*	Tarentula fabrilis		33050	
Tamarix	2014		11018					in veterinary medicine			32449	Targaremini		95156	
53036*	95265*							in wine			106847*	Targionia vitis SEE Pulvinaria vitis			
Tamarix aphylla			57562					in wood			61525*	Tariff	36207	36230	36231
Tamarix gallica			81119					tests			55536*		46364	46396	46409
Tamarix pentandra			542					toxicity			41911		76809	87636	87645*
Tamarix tetrandra	39553		81119					Tanoak SEE Lithocarpus				Australia	12356	27177	80736
Tamm's method			49737*					Tansy oil	7336	107768*		Canada		8260	67330
Tanacetum vulgare			73236*					Tanybria n n		105675		European Economic Community	8306	16348	76774*
Tananarivea			95194					Tanyderidae	14605	33190	95047		56954	71363	87645*
Tangelos			97523					Tanyemecus	4827*	94269*	73609*	Germany	71372*	76774*	52803*
Tangerines	59517	101162	28835*					Tanyemecus dilaticollis		105724*		71372*	76774*		76766
34721*								Tanytarsus aptus		105732		Great Britain			76774*
Tank trucks SEE Trucks, tank								Tanytarsus brundini		105732		Greece			56885
Tankage			82937					Tanytarsus curticornis		32385*		India			53007*
Tanks	15193	24886	106537					Taomyxin		73267*		Italy	37313*	87679*	
24754*	23993*	54614*	84481*					Tapajosa fulvopunctata				Japan		8265*	
91294*	96463*	96479*						Tapazole SEE Methimazole				Spain		35190	
maintenance and repair			53765					Tapeworms			63491*	Tropics			
64382								cats			31563	Tarnished plant bug SEE Lygus			
sanitation	6518	24066	24069					dogs	22340	41795	103968	lineolaris			
25041	43512	53764	74977*					3792*	72374*			Taro	1124	47112	77382*
84535*	84536*	84555*						control	31563	72400	103978	bibliographies			20356*
steel			33684					treatment			82374	Tarocco pit			99665*
wood			21599					ducks	31921	31946	93310*	oranges			5108*
Tannic acid SEE Tannins								geese			22830	Tarsonemidae	63674	4848*	
Tanning	7213	16253	35123					goats			72613*	94799*	105569*		
65902	65905	65923	65928					guinea fowl		31966		Tarsonemini		52801*	94677*
65936	65949	75630	75642					laboratory animals			31946	Tarsonemus		105569*	
86220	97154	97159	7205*					man		62203*	62273*	Tarsonemus fragariae SEE			
7209*	7219*	16251*	35104*					pheasants		42052		Steneotarsonemus pallidus			
35107*	35518*	65918*	65920*					poultry	31946	4131*	13985*	Tarsonemus muhle		94799*	
65931*	65941*	75647*	86206*					22658*				Tarsonemus myceliophagus		63874	
86211---	86213*	107675*	107683*					control	13507*	22662*	52280*	Tarsonemus pallidus SEE			
Australia			25380					62933*	82611*		52298*	Steneotarsonemus pallidus			
conferences and congresses	65930	65950	16255					treatment	32653	4373*	14065*	Tarsonemus talpae		5108*	
								sheep				Tarsopsylla octodecimdentata		95652*	
								63136*				Tartar (from wine) SEE Potassium			
								control		13740	93674*	tartrates			
								treatment	4428*	13689*	22849*	Tartaric acid	34238*	64983*	65608*
								swine			93856*	74570*	85151*		
								Taphius			23621	D-Tartaric acid		96674*	

\*Text of this reference is not in English.



Item			Item			Item		
Tartary buckwheat SEE Fagopyrum tataricum			TDE			Tea-- Cont		
Tasmanian oak SEE Eucalyptus			alfalfa pest control	4651	63394	pest control--cont		
Tatarian honeysuckle SEE Lonicera tatarica			apple pest control		94323	chemical		83443
Tatranus SEE Ooencyrtus (Tatranus)			effects on tomatoes		52915	China		105289*
Tatter-leaf			hazards and safeguards		63578	cultural		105314*
citrange		9204	in' vegetables		52752*	India	14160	14162
Taurine	72646	83719*	in wildlife	23046	75201	14174	14175	37111
Taurotagus brevipennis		94916*	insect resistance		73041			
Taxaceae		77299*	toxicity	83161	13948	natural		105314*
Taxation	7698	26521	Tea		93980	Taiwan		32799*
Australia		45542	Africa	11157	90776*	Uganda		32820
Austria		108155*	analysis and composition		49541	pests	33305	52923
Bulgaria		76042	54447 65014 74647		24727	Ceylon		52920
capital gains		35514	85162 96265 34268*		85141	India	4846	99210
76450 66463* 97637*		76040	anatomy and physiology		54431*	14774	42583	14415
conferences and congresses		35516	883* 18609* 47585*		27462a	Japan	52959*	53501*
Connecticut		56137	99858* 100234*		48182*	Pacific area		17981
France	45537*	66453*	associations	11159	44150	Southeast Asia		17981
Germany	56146*	76043*	biochemistry	10234	59065	planting		20355
108162*		87284*	100688 28404*	48592*	69198*	pollination		20338*
Great Britain		56135	69291* 69334*	100587*	100717*	processing	15512	34280
Great Plains		35519	100732*			7268*	64960*	
income	35513	42796	breeding		29425	reviews		85102
45536 56143 66459 66462		45534	Ceylon	6264	39586	products		15569
76039 86690 86692 86698		66462	39600 74637 84767	101627	34235	propagation	11141	29399
97640 97642 97643		86698	chemistry	6321	65005	39586		29425
Canada		97623	85085			bibliographies		29395
Denmark		26518*	conferences and congresses		29424	pruning	70211	70219
Finland		108160*	consumption 15511	15522	54421	70225	74035*	70222
Germany	45533*	45531*	contamination	44241	15533*	quality		100234*
97644*		45543*	credit		56084	research methods		
Great Britain		108157	culture	27027a	60023	statistical		79914
India	7692	16604	Ceylon		49548	seeds		20338*
Japan		97646*	China	39622	102102*	shading	4908	39601
legislation		97645	India	60035	70213	situation and outlook	24701	24702
Nebraska		26517	Japan		90772*	24731		
New York		45538	Mauritius		79889	soils		9989
North Dakota		56133	Pakistan		39602	India		101859
Sweden	56134*	76041*	USSR		101905*	Japan		49871*
Texas		97639*	diseases			Kenya		79906
USSR		76038	Ceylon		99210	Pakistan	39602	39722
inheritance		7694	control	37111	77546	USSR		60157*
Italy	16606*	26513*	77628		77595	soluble	15511	15524
56132* 66455*		26515*	India	8893	8957	34261	54416*	64960*
Japan	56147*	56148*	Pacific area		17981	South America		44193
97542*		56149*	Peru		88651*	spraying and dusting	14163	77577
legislation	56144	66456	Southeast Asia		17981	statistics	6280	64962
56139* 56140*		108372	drying	15541	85140	Africa		106834
Michigan		76045	equipment	53703*	106316*	Asia		106833
Netherlands	66464*	86675*	farms	56474	75974	India	74599	106832
New Zealand		108161	fermentation	15541	74647	South America		106852
Oregon	35519	66454	fertilizers	50042	60023	storage		106835
personal property	86696	97647	Africa		91077	taxation		7268*
Peru		108159*	Ceylon		50162	trade		56138*
Poland		45544*	China		102102*	Great Britain	36219	87676
policies and programs		7693	Japan		48182*	India	27189	56983
sales		7699	USSR	102008	52959*	87676 108816		85105
Canada		50563	70517* 101905*		60157*	transportation		
Denmark		7691*	fungus diseases			directories	106795	106831
European Economic Community		35515*	Ceylon		68205	types		7268*
Germany	56138*	56145*	India	8893	9120---	varieties	11160	29389
Maryland		16608	15232 27073a	37174	67929	waste		24653
Spain		7697*	Mauritius		68130	weed control	11117	29379
Spain		66457*	genetics		9614	yields	49548	20344*
SEE ALSO Assessment; and UNDER			hardiness		48433*	Tea oil	45110	7268*
specific subjects			history		39618	Teak SEE Tectona		
Taximastinocerus n g		23627*	India	15510	34240	Teaseed oil		7243*
Taxine		78956*	39628 74600	85105		Teasel clover		47799
Taxiphyllum	36950	17839*	industry	15556	106769	Teasine		7243*
Taxodium		12295*	irrigation		69198*	Teats		
Taxodium ascendens		50752*	Kenya		79906	cattle	3649	13010
Taxodium distichum	50752*	88285*	labor	16625	35741	103666	103827	82247
Taxonomy	8400	33018	losses		8957	3516*	3614*	3376*
42933 63824 73468 76919			manufacture	24645	85085	31366*	51825*	13017*
SEE ALSO UNDER specific subjects			India	15564	34261	103728*		92397*
Taxus	18684	23742	74648 85089			diseases	72238	103697
Taxus baccata	13487*	68432*	marketing		24655	22200*	31271*	
Taxus cuspidata		39211	mechanization	84263	84367*	injuries		13157*
Taxus speciosa		88263	moisture		34237	rats		4013
TC-90		88749	morphology	27462a	37816*	sheep		52417
TCA	2023	48454	nematodes	9290	47577	swine	4480	22896
37410* 59966*		101795	47579* 47585*	47593*	47580	32542*		
TCP SEE Tricresyl phosphate			nutritional deficiencies		48451	Technicians	87488	46216*
			oil plant		49550	SEE ALSO Veterinary technicians		
			oxidation		74662	Technovit		12966*
			packing		6316	Tecoma castanifolia		98930
			pest control	14161	77628	Tecoma stans SEE Stenolobium stans		
			biological	14163	77595	Tectaria	58312	98992
						Tectaria amplifolia		99974

\*Text of this reference is not in English.

		Item		Item		Item
Tectona	12333	30365	Temperature-- Cont			
culture			effects on <i>Acer saccharum</i>	26762a*	effects on <i>Cyclamen indicum</i>	89609*
Tropics	2778*	12322*	effects on <i>Aconicta rumicis</i>	73808*	effects on <i>Dactylis glomerata</i>	47985
91715*			effects on <i>Acroeuria pacifica</i>	84219	effects on dairy products	24813
Tectona grandis	30290	12462*	effects on <i>Aedes aegypti</i>	5367	effects on <i>Dermanyssus gallinae</i>	105125*
Tectrol Process		55144	95131 95141		effects on <i>Dioscorea spiculiflora</i>	1149
Tedion SEE Tetradifon			effects on <i>Aedes stimulans</i>	14706	effects on <i>Dipsacum fullonum</i>	48475*
Teeth		41308*	33220		effects on <i>Drosophila melanogaster</i>	43115 53327 64012 73678
cats		92689*	effects on alfalfa	38005	effects on <i>Drosophila pseudoobscura</i>	33203
cattle	62321	92448	effects on algae	967*	effects on <i>Drosophila simulans</i>	73678
diseases		21853	effects on <i>Alternaria tomato</i>	58487	effects on <i>Drosophila subobscura</i>	5268
reviews		12599	68668		effects on drugs	91934*
dogs	52006	52007	effects on amino acids	34486*	effects on <i>Dunaliella salina</i>	9925*
92684 103951	103969	41738*	effects on Anarete	14601	effects on eggs	97273
92689*			effects on animals	61665	effects on Elateridae	63944
horses	92923	104098	conferences and congresses	12627	effects on <i>Euglena gracilis</i>	78859
sheep	104639	104727	effects on <i>Anopheles</i>	4713	effects on <i>Euphorbia pulcherrima</i>	1050
		75359	effects on <i>Anoplura</i>	4739	effects on <i>Eurygaster integriceps</i>	43183*
Teff			effects on <i>Antirrhinum</i>	78815	effects on fats and oils	97229*
Teflon SEE Tetrafluoroethylene poly-			effects on <i>Aphanocapsa</i>	78651*	effects on <i>Festuca rubra</i>	89057*
mers			effects on <i>Aphanotus destructor</i>	33125	effects on fibers	6641
Tegenaria		83938	effects on <i>Aphelinus semiflavus</i>	95304	effects on flax	663 100453
Tego 51	22659*	44380*	effects on aphids	33265	effects on <i>Fomes annosus</i>	57898
Tegolophus		63880	effects on <i>Aphis fabae</i>	95212*	effects on forage plants	89387
Tegonotus		5081	effects on <i>Apis mellifera</i>	5015*	effects on <i>Freesia</i>	27941 39230*
Tegulifera		64237*	23478* 73394*	94497*	48205* 89405*	
Teichobia filicivora SEE Mnesipatris			effects on apples	44791	effects on fruit	89341 48039*
filicivora			9674* 19081*	19138*	effects on fungi	70366 89390
Teichospora SEE Strickeria			effects on asparagus	18943*	99497 12298*	92061*
Teinocoptes	23564	14429*	effects on avocados	78756	effects on <i>Gibberella fujikuroi</i>	78382
Teinocoptes haymani		14429*	effects on bacteria	85837	effects on <i>Gladiolus</i>	58769
Teinocoptes johnsoni		14429*	15380 24812	45009	effects on grain	6992 38193*
Teinorhyncha umbra		105276*	81861*	54102	effects on grapes	1399* 58521*
Teladorsagia kasakhstanica		72815*	effects on barley	6961	effects on guinea pigs	72528
Telea polyphemus SEE Antheraea poly-			89273*	34929	effects on <i>Heteranthera dubia</i>	10137
phemus			effects on beans	6866	effects on honey	55388
Teleallagma		95614	48397 58785	38029	effects on house plants	47646*
Telemetry	71763	72549	effects on beef	16256	effects on <i>Hylemya brassicae</i>	23647
conferences and congresses		71737	effects on <i>Begonia evansiana</i>	55523	64052	
Telenomus alsophilae	14261	42790	effects on <i>Bombyx mori</i>	78460	effects on <i>Hylotrupes bajulus</i>	14500*
Telenomus sokolowi		14740	83690* 83718* 94620*	5026*	effects on <i>Hypoderma lineatum</i>	95086
Teleogryllus		23927*	effects on <i>Bothynus gibbosus</i>	14533	effects on <i>Ichinogomphus ferox</i>	106142
Telephones	6077	64705	effects on <i>Bouteloua eriopoda</i>	58937	effects on insecticides	4900 23249
74283*		106528	effects on <i>Bovicola equi</i>	5623	52705 42383*	94189*
directories		74281	effects on Brassica	48198*	effects on insects	5045 53010
Telescopes		43292	effects on Braula coeca	83949	63672 73495	53128*
Teletype		6077	effects on <i>Bromus inermis</i>	47985	effects on <i>Ipomoea nil</i>	38182
Television			effects on bulbs	38151	effects on Iris	38111
cooperatives		74282	effects on cabbage	48227	effects on <i>Ischnura verticalis</i>	43372
education and information		1709	effects on cacao	78167	effects on <i>Ismene calathina</i>	48204*
8137 31146 35053		98153	effects on Calliphora vicina	95032*	effects on isopods	73548
7506* 87522*			effects on <i>Carpoglyphus lactis</i>	63678*	effects on khoa	44364
Africa		87424	effects on <i>Carposina niponensis</i>	95467*	effects on <i>Koenigia islandica</i>	78005
Canada		108707	effects on cattle	22017	effects on lard	55455
Great Britain		72351	22091 41568 51867	51959	effects on legumes	19240 48117*
Illinois	87434	87435	62106 72229		effects on Lemna minor	10137
New York		108705	effects on Celerio lineata	33352	effects on Lepidoptera	73808*
North Carolina		36137	effects on Ceratophyllum demersum	10137	effects on lettuce	38231
in forestry		102785*	effects on Cercospora beticola	88839*	effects on Liliun	1094 28936*
in lumber industry		21565	effects on cheese	6463*	effects on Liliun longiflorum	9682
Telioclipeum n g		26976a*	effects on Chenopodium	9726	19093 37983 48279	28239*
Teliphasa		64237*	effects on cherries	58947	effects on Liriodendron tulipifera	61105
Teljapyx		95625	effects on Cheyletus eruditus	53008	effects on Listroderes rostrirostris	63954*
Telmatogeton remanei		33186*	effects on Chinese cabbage	100364*	effects on Locusta migratoria	53521
Telmatoscopus	43077*	84007*	effects on Chlorella pyrenoidosa	78789	effects on Lolium	19231 58504
Telmatoscopus albipunctatus		23164	effects on Christmas trees	68502*	effects on Macrophomina phaseoli	100449
Telodrin			effects on citrus	51311	effects on Macrosiphum euphorbiae	73717
effects on insect populations		52856	effects on clover	46656	effects on Macrosiphum rosae	105813*
effects on rats		83176	effects on Cochliomyia hominivorax	1082	effects on Mamestra brassicae	23887*
human pest control		83211		83928	effects on meat	25865
in alfalfa		42595	effects on Coenonympha tullia	23909	25867 55448 55490*	97157*
in milk	85381	85391	effects on Conoderus vespertinus	14573	effects on Megachile concinna	5440
sugarcane pest control		23253	effects on Conophthorus coniperda	33095	effects on microorganisms	7352
tea pest control		83443	effects on Contarinia medicaginis	73229*	effects on milk	85379
Telone	61099	88955	effects on corn	9779		
Teloepa speciosissima		26797a	48190 48191	19089*		
Teloschistaceae	185	57707*	effects on cotton	38125		
Teloschistes		57707*	effects on Cryptolabis magnistyla	89592		
Telotyphlus n g		94838*		33160		
Telyphonus SEE Thelyphonus			effects on Cryptolestes ferrugineus	43027		
TEM SEE Tretamine			effects on Cryptomeria japonica	28063*		
Temelucha interruptor		53011*	effects on Cuscuta	37930		
Temnogametum		26925a				
Temnostethus crassicornis		14762				
Temnostethus wagneri		14762				
Tempe	35166	55673				
86320 107751	55681	75710				
Temperature						
effects on Acarus siro		53008				

\*Text of this reference is not in English.



Item		Item		Item	
Temperature-- Cont		Temperature-- Cont		Temperature-- Cont	
effects on milk fat	65145	effects on Rhizobium	70374	SEE ALSO Cold; Heat; and UNDER	
effects on Mimulus	58754	effects on Rhodnius prolixus	64114	specific subjects	
effects on minks	92813	effects on Rhopalosiphum maidis	83363	Temporal gland	61754
effects on mosquitoes	4717 5347	effects on rice	10382 11766	1080 SEE Sodium fluoroacetate	
53368		58611 99167	9345* 107528*	Tenancy SEE Farms and farming,	
effects on Musca domestica	83251*	effects on rubber	75800	tenancy; Land, tenure; Share farming	
effects on nematocides	27369a	effects on rye	89502*	Tenant-right valuation	56666 67018
effects on nematodes	37530 37532	effects on Saccharum spontaneum	47998	Tenderometers	1924
62999		effects on Saintpaulia	37936	Tendipedidae SEE Chironomidae	
effects on Neodiprion sertifer	64170	effects on sausages	97165	Tendipes SEE Chironomus	
effects on Nerine bowdeni	38199*	effects on Schistocerca gregaria	53521 106077	Tendons	12646*
effects on Nerine undulata	28002*	effects on Schizophyllum commune	89775	cattle	103635
38200*		effects on seeds	1238 9348	horses	104097 52110*
effects on Neurospora	47917 58415	9868 27818	27903 28166	poultry	72494*
effects on Nygmia phaeorrhoea	83531*	28189 53010	58649 68869	swine	22608
effects on oats	58710*	89499 9630*	38016* 38094*	turkeys	63254*
effects on olives	635 48121	58548* 58755*	78372* 78395*		13510
effects on onions	9652	effects on semen	14933 82529	Tenebrio	73567
effects on Onychiurus	53557	3350*		Tenebrio molitor	
effects on oranges	19253	effects on sheep	22795 22796	anatomy and physiology	23589
effects on Orchidaceae	48051	63112 82859	82876	63938 105663	
effects on Ornithogalum arabicum	39131*	effects on Sitophilus	23612	biochemistry	53266
effects on Oxycarenus hyalinipennis	5380	effects on soils	49614 29587*	control	23090
effects on Panonychus citri	14468	60099* 80000*		cytology	73585*
effects on peaches	316 38344	effects on sorghum	9953 58788	digestion	73557
89597		effects on soybeans	100142	diseases	105679
effects on peanuts	18844	effects on Sphaerocarpus donnellii	89243*	larvae	73557 83845 105663
effects on peas	78451 89766*	effects on Stilpnolia salicis	73808*	metamorphosis	23619 63970
100355*		effects on Stomoxys	83939	5197* 5198*	
effects on Perilla	48198*	effects on strawberries	39114*	parasites	63980
effects on Periplaneta americana	33478	effects on sugar beets	28188	pupae	63969 5198*
effects on Peronospora tabacina	1093*	effects on sugarcane	18859 47998	water relations	53267
effects on Phacelia tanacetifolia	38252*	55917		Tenebrionidae	
effects on Phleum	78516	effects on sugars	16426*	Africa	5123* 5163* 53260*
effects on Photinus pyralis	5145	effects on sunflowers	68993*	105641*	
effects on Phyllopertha horticola	63946	effects on sweetcorn	1022	anatomy and physiology	53260*
effects on Picea sitchensis	81612	effects on sweetpotatoes	37999	94831*	
effects on Pieris brassicae	73808*	75196		Antarctic Region	94894*
effects on Pinus	61124 81129	effects on swine	13899 42275	biology	14530
effects on plankton	1023 38163	82949 24215*	24235*	Canary Islands	83861*
89010*		effects on Taiwan	28249	Cape Verde Islands	93829*
effects on plant disease	362	effects on Tenebrio molitor	73557	collections	94895*
481 9140 9215 18202		effects on Therioaphis maculata	43166	desert areas	53260*
18205 18267 18268 27177a		effects on Tilia cordata	30392*	digestion	14501
27244a 47073 47317 47432		effects on tobacco	1080 9920	France	43019*
47484 56007 68127 99531		48486		geographic distribution	43019*
9227* 18319* 18358* 18879*		effects on tomatoes	939 6923	63955*	
47290* 57876* 77933* 77943*		10059 28007 38024 48227		habits and behavior	5118 73567
88745* 99656*		48469 58536 89493 18982*		Indonesia	94891*
effects on plants	1049 18837	68852* 68993* 90559*		larvae	94956 105663 5165*
19255 19355 27843 28164		effects on Toxoptera graminum	53387	83835*	
89055 89454 100508 38423*		28064 100249	27944	Madeira Islands	83814*
48392* 68929* 89407*		effects on Trillium kamtschaticum	89170	Mediterranean area	105625* 105626*
bibliographies	68612*	effects on Trioxys utilis	95304	Morocco	105628*
reviews	78345	effects on Tritium persicum	27536a*	nematodes	105608*
effects on Podospora anserina	89247*	effects on Tritonia	38198* 38201*	Nevada	94976
effects on pollen	38416	48203*		Oriental Region	5164*
effects on Polygonum	28132	effects on Trogoderma	63681	Paleartic Region	5165*
effects on Polyporus brumalis	89775	83519		parasites	105635 53290* 84009*
effects on Porcellio scaber	23574*	effects on Trombicula akamushi	94690*	Portugal	14516* 105627*
effects on pork	55546	deliensis	19119*	Rennell Island	105613
effects on Porphyra	100495*	effects on Tulipa	32025	Republic of South Africa	94956
effects on potatoes	1236 16061	effects on turkeys	32025	Senegal	23577* 23578*
68701 99668 18972* 37746*		effects on Ustilago	27244a* 27245a*	Spain	14516* 105627*
58942* 69115* 100388*		effects on vaccines	62821*	taxonomy	94956 94974 94975
effects on poultry	32015 52277	effects on viruses	32692	types	
32087* 32117* 72670* 82606*		63295 103244 23481*		USSR	94895*
93532* 104516* 106460*		effects on wheat	10050 18724	water relations	14551*
effects on Praon palitans	95304	38078 78759 27536a* 48198*		Tenebroides mauritanicus	53267
effects on Pseudococcus	84050	58710*		Teneriffiidae	105558
effects on Pseudotsuga menziesii	48209	effects on white clover	89770	Tenorán	90619*
effects on Psylla pyricola	63633	effects on wine	96280*	Tenporan	90835*
effects on Pteridium	78873	effects on wood	30724 71573	Tensiometers	70707 101647 79945*
effects on pumpkins	78845*	12460* 81620*		Tenthredella mesomelas	105887*
effects on Quercus	83531*	effects on Xanthium orientale	38248	Tenthredinidae	
effects on Radiomyces	89421	effects on yeasts	1096 28046*	anatomy and physiology	95286
effects on Ranunculus ficaria	892*	69022* 89868*		as pests	52908* 52956* 53019*
effects on Rhagoletis pomonella	95089	measurement	38022 105073	53041* 83404* 94389*	
		21199*		biology	73747 105903 83567*
				84065*	
				Bulgaria	105886*
				control	33430
				Europe	14783
				food and host plants	4632*
				Great Britain	5439
				host plant relations	95338
				host plant resistance	105202

\*Text of this reference is not in English.

	Item			Item			Item	
Tenthredinidae-- Cont			Termites-- Cont			Testosterone propionate	13404	62857
identification	73316*		geographic distribution	106158*		82294		
immature stages	84065*		106166*			Tetanocera	33198	43112
larvae	5459*		germ-free	5610		Tetanus		30928*
life history	33430		habits and behavior	5622	33517	antitoxin	30833	31669
mortality	64152		53086	64282	23960*	cats		104192*
outbreaks	83567*		33518*	53555*	53581*	reviews		104013
parasites	73747	105704*	India	5626	14946	dogs	3799	3851
populations	33430		43340	95608	95659	103952		92719
pupae	5459*		Ivory Coast			reviews		104013
Southeast Asia	14782		life history			horses	31669	72486*
Tenthredinoidea	23801	43220*	microorganisms			mice		104192*
43222* 43223*	53460*	95315*	molting			swine		83049
Tenthredo	95286	95315*	nests	95660	43357*	Tetany		72422
Tenuipalpidae	14463	63441	New Guinea			Tetisimulium n g		5291
Tenuipalpus		5106	nomenclature			Tetra	5081	63880
Teosinte SEE Euchaena			North America			Tetra Pak	6468	6464*
Tepa	42520	52767	North Dakota			85419* 107049*		
63458 63464	65295	73123	nutrition	5610	33498*	Tetrablemma		83803*
89224 94076	94408*	105161*	nymphs			Tetrabromofluorescein		24364
Tephritidae	83916	95096	Oriental Region	5626	95660	Tetrachlorodifluoroethane		104666
anatomy and physiology	95089	4795	orientation			Tetrachloronitroanisole		25345
as pests	4843	5294	parasites			Tetrachlorothiophene	94678	73507*
Bulgaria		43057*	phylogeny			Tetracycline		103124*
China	95036*	105727*	Queen Charlotte Islands			effects on animals		21877*
control	4795	23285	rearing and breeding			effects on bacteria	103272	103981
dissemination		42661	Rennell Island		64273*	effects on dogs		38076
fecundity		23321	respiration			effects on molds		42049*
genetics		14654	smell			effects on poultry	31967*	
Great Britain		43081	sonification			therapeutic use		83594*
India	14654	14655	Tanganyika			Apis mellifera		83595*
larvae	5223	83915	taxonomy			cattle		62331*
parasites		95096	water relations			mice		62658*
pupae		5341	Termitidae	43340	43364	poultry	32022*	93398*
taxonomy	84012	95025	Termitin SEE Vitamin T			swine	13875*	93827*
Tephritis cometa		5221	Termitomyces	8707	8708	Tetracycline hydrochloride		12591*
Tephritis zonogastra		84012	Ternstroemia	21655	41058	82194*		
Tephritohypotyphla n g		14691*	Terpenes	7336	61524	Tetradifon	83387	52981*
Tephritopyrgota		14691*	45143 61520	61523	57024*	Tetrafluoroethylene polymers		94396*
Tephrocactus		77395*	78969 102992	7267*		13288 13905 41748		3889
Tephromyia		105776*	61556* 66023*			Tetragnathidae		94803*
Tephrosia	9528	48128	in Nasutitermes		73900	Tetragoneuria cynosura		43369
Tephrosia collina		88386	in plants	79022	89939	Tetragonoderus		94887*
TEPP		42730	in tobacco		55965	1,2,3,4-Tetrahydro-6-propyl pyridine		69194
Terastia meticulosalis		95275	SEE ALSO Diterpenes; Sesquiterpenes; Triterpenes			Tetrahydropyran		71510
Teratology SEE SUBHEAD abnormalities			Terpenoids	3004	30674	3,4',5,7-Tetrahydroxy-flavone		19396
UNDER specific subjects			Terpentol		83386*	1,3,4,5-Tetrahydroxycyclohexanecar-bolic acid		88824*
Teredolaemus		23616	gamma-Terpinene SEE p-Mentha-1,4-diene			Tetrakis (hydroxymethyl) phosphonium chloride	25855	25933
Terephthalic acid	72609	42049*	Terpineol	60719	70830	Tetralopa vacciniivora		35132*
Terfezia boudieri		70393*	Terracing	80685	91337	Tetramesa hordei SEE Harmolita hordei		23884
Terminalia	1213	8685*	Bulgaria		80706*	3,7,11,15-Tetramethyl-1-hexadecen-3-ol		82572
Terminalia bellerica	25958	37728	Hungary	15113*	60720*	2,6,10,14-Tetramethylpentadecanoic acid		34327
Terminalia myriocarpa		30364	Japan		81262*	Tetramethylthiuram disulfide SEE Thiram		
Termites			Mediterranean area		50887	Tetramine		9611*
Africa	53575	106161*	Missouri		2587	Tetramorium lucayanum		73746
anatomy and physiology		14966	mountain areas		30012*	Tetramorium meridionale		42618*
43392 95628	14964*	23969*	Nebraska		21006	Tetramyxa parasitica		18133*
32894* 33495*			Piedmont area		80699	Tetranacrium n g		99089
and disease		4751	Rumania	1813*	2598*	Tetranera ulmi		94343*
Andaman Islands		14983	102195*			Tetranychidae		53180
as pests	4854	14278	USSR	29993*	30007*	anatomy and physiology		83754
94463 32894*			91354*		30012*	Arizona		83807
bibliographies		83552*	Terraclor SEE Pentachloronitrobenzene			as pests	42630	52989
biochemistry		73900	Terramycin SEE Oxytetracycline			94448*		23333*
biology		95660	Terrariums SEE Gardens and garden-ing, miniature			biology		105288
Brazil		43357*	Terylene		15726	control		
Burma		23960*	Teschen disease SEE Encephalomyelitis, swine			biological		83132*
caste	73900	95628	Testes	12463*	21846*	chemical	52866	63560
chemoreception	106109	53595*	cattle	12800	21966	42723*	52984*	
China	106158*	106166*	81963	81964	103421	Italy		32850*
collections		73897	41574*	62052*	103416*	Netherlands	23317*	32841*
communication		33497*	diseases		31143*	Rumania		4869*
control	4909	23406	dogs		31609	tests		32872*
53012 73335	83578	32615*	Drosophila melanogaster		23644	food and host plants		14088
32890* 42773*			23717			genetics		53180
chemical		42764	poultry	41978	62877	geographic distribution		52866
cultural		73335	93348	104245	93322	Germany		105588*
tests		42745	rabbits	22740	13606*	host plant relations		94725*
digestion	64276	84224	rats			host plant resistance		4826
eggs		5610	sheep	22843	82736			
enzymes		106165	swine	104585	104586			
evolution		53584*	Testosterone	32428	41787			
feeding habits		105877	13821*		62666			
France		53555*						
fungi	95660	95596*						

\*Text of this reference is not in English.



	Item			Item			Item	
Tetranychidae-- Cont			Tetrastichus	33297	42788	73748*	Textiles-- Cont	
hybridization		83772*	Tetrastichus garryana			64145	Southeast Asia	54896
India		94711	Tetrastichus incertus			14093	statistics	85574
insecticide resistance	23071*	32862*	Tetrastichus radiatus			23738	stretch	6658 6663 44442
nomenclature	14420	53169	Tetrastichus turionum			53011*	44509 65265 85562	96752
North America		52866	Tetrastigma voinierianum			89173*	study and teaching	65284
Philippines		5106	Tetrasul			32872*	tests	43907
populations	13911 52866	63549	Tetrathionates			31313*	waterproofing	25211 34508
predators		63441	Tetradomidae SEE Melandryidae				34524 34641 65352	75122
Republic of South Africa		14455	Tetrazolium compounds			58043	Texturometer	6021
Southeast Asia		14463	in dairy products analysis			44289*	Thai in US	108725
taxonomy		53180	in mouse research			104187	Thaia subrufa	105188*
types		33046	in plant analysis			37126	Thalassia testudinum	100370
Tunisia		94759	in pollen analysis			9793	Thalassiomycetes	68517
Tetranychoidæ	105580	33072*	in seed analysis			61159	Thalassodes	105962 105973*
Tetranychus	5106 42663	32607*	78566 89554 89631 89632			78680*	Thalictrum	37207 46869* 48243*
94262*			9774* 37991* 47997*			95585	99493*	
Tetranychus atlanticus	14416	42630	Tetrigidae			33068	Thalictrum dasycarpum	38580
Tetranychus bimaculatus SEE Tetranychus telarius			Tetrix			33466	Thalictrum pedunculatum	79076
Tetranychus cinnabarinus		14455	Tetrix undulata			14917	Thalictrum thalictroides	88396
42722			Tetrixocephalus n g			14917	Thalidomide	
Tetranychus cinnabarinus group		94363	Tetrixocephalus willemsei			94890*	effects on animals	3256* 13611*
Tetranychus kanzawai	52959*	53209*	Tetrops praeusta			73708	92766*	
Tetranychus ludeni		14091	Tettigometridae			5568	effects on onions	38091
Tetranychus mcdanieli	4834 4840		Tettigonia viridissima				effects on Phormia regina	14627
4841 4852 4853		94364	Tettigoniidae				effects on poultry	4230 22478
Tetranychus macfarlanei		14088	anatomy and physiology			43312	Thallisellodes limbooliati	23595
Tetranychus marianae	32807	94353	Great Britain			5588	Thallium	13250 13613 62544
Tetranychus pacificus	4785	52719	hearing			33483	Thallium acetates	37752*
Tetranychus sinhai		4826	oviposition			5571	Thallophyta	8699*
Tetranychus telarius			parasites			14642*	Thamnocephalis	57694
anatomy and physiology		32639	populations			95575	Thamnotettix subrufa SEE Thaia subrufa	
52683 53219 63893		94006	South America			43318	Thanatephorus cucumeris SEE Hypoch-	
Australia		32838	taxonomy			106098	nus cucumeris	95093
control		23237 63669	Tetylcnchus joctus			37536	Thaumaleidae	94999
Brazil		105160*	Teucrium canadense			17787	Thaumastoptera	94487
California		4785	Texamauropus n g			94814	Thaumetopoea pityocampa	14254* 43239* 53464* 105403*
chemical	32831 52683	52726	Textiles				14254* 43239* 53464* 105403*	14277
52736 52851 63374 63546		83445	analysis and composition			65287*	Theaceae	8707 8708 9503
63547 73259 83395 83445		52981*	associations			54778	Theanine	59065 100687 100688
83495 94006 42599*		83468*	bleaching	44463 54851		75071	Theba pisana	23371
63589* 63626* 73187*			107162*			54817	Thecla betulæ	33417*
93935*			reviews			54763	Thecodiplosis brachyntera SEE Cécido-	
Colorado		4865	conferences and congresses			25262	mya brachyntera	
Great Britain		42722	54823				Thecophora (Lederer) SEE Rileyana n n	
Hungary		83426*	contamination			34641	Theft SEE UNDER specific subjects	
India		14146	creaseproofing			25119	Theganopteryx	23920*
Maryland		14189	25164 25207 25209 34524			34524	Theileria annulata	31332 92534*
Netherlands		63646	34614 54830 54832 54846			54846	Theileria mutans	31332
Norway	42634*	94319*	54856 54861 54889 65281			65281	Theileria ovis	91937*
Poland		83493*	65302 65352 75080 75153			75153	Theileria parva	31306 31722
tests		42449*	85568 85572 85606 107129			107129	Theileria sergenti	92376* 92493*
diapause		83759	107159				94140*	
ecology		14146	deterioration			25128 25132	Theileriasis	
enzymes		53198	dictionaries			25203	cattle	92491* 92493* 92530*
fecundity	42368 42638	83781	directories			6614 15812	94155*	
food and host plants		42630	flameproofing			44504	Africa	31482
France		52977*	65295 34601*			65353 107209*	Iran	82264*
genetics	52701 52758		history			32877	resistance	31306
Germany		32871*	insect resistance			63671	Tanganyika	72231
Great Britain		14114	insectproofing			4894 94206*	transmission	83210*
habits and behavior	53218 53219		63685 73294*				treatment	41562* 92519*
53220 95576			labeling			34647	USSR	92376* 92534*
host plant relations	32847 73247		laminated			65258	goats	13732
83781			legislation			34647	India	31332
insecticide resistance		23024	microorganisms			65267	laboratory animals	31722
52701 52758 63395 73118			75141 96734				ruminants	91937* 91998*
83495 42449*			reviews			97170	sheep	82264*
reviews		52715	moisture			85631	transmission	94140*
metabolism		53202	mold and mildewproofing			107176	Thelaxinae	84053
nomenclature	73509 73515		non-woven			15813 54816	Thelazia	12999
73534			25176 25227 44461				Thelazia callipaeda	61799*
populations	4864 32847 42369		65283 96762				Thelaziasis SEE Eyeworms	
73247 42599*			oil repellency			75122	Thelaspasma	88346
rearing and breeding	53208 23555*		pests			4883* 53005*	Theligonum SEE Thelygonum	
reproduction		52867*	processing			44479 85573*	Thelmatophilus	42894*
taxonomy		73541	85576 65250* 65291*			85573*	Thelodon n g	23812
types		33046	96755*				Thelygonum cynocrambe	27508a
USSR		52867*	reviews			54762 54871	Thelyphonus caudatus	105571*
water relations		53199	properties			54816 75139	Thelypteridaceae	67893
Tetranychus telarius group		14420	reviews			54902 65267	Thelypteris SEE Dryopteris	
53169 63566 63886 83772*			rotproofing			25193 65253	Themara	105727*
Tetranychus urticae SEE Tetranychus telarius			shrinkage			25134 25156 25163	Themeda triandra	72792*
Tetrapedia		17845	44424 54805 75081 6647*			6647*	Themira	43059*
Tetraphis pellucida		88983	6648* 44480* 96709*			96709*	Themira paludosa	43059*
Tetraploidy SEE Polyploidy			shrinkproofing			6589 6604		
			6642 6684 25138 34584			34584		
			75146 85639 107139			107139		

\*Text of this reference is not in English.





Item		Item		Item	
Thujopsene	48594	Thyroxine		Ticks-- Cont	
Thujopsis dolabrata	29647*	effects on cattle	3634 51867	and disease--cont	
Thuleaphis sedi	95202	72229 82141 82146		France	23144*
Thunberg-Knoop reaction	5860*	effects on goats	42176	Great Britain	94151
Thunbergia grandiflora	19393	effects on poultry	42047 93298	Hungary	105117
Thunder storms	98682	104352 32020* 62932*		Italy	52805*
Thunia alba	26861a	effects on rats	62672	Mediterranean area	52785*
Thurberia weevil SEE Anthonomus gran-		effects on Schistocerca gregaria	84192*	North America	14014
dis thurberiae				Norway	103813*
Thuricide SEE Bacillus thuringiensis		effects on turkeys	93298	Poland	83237*
Thuja SEE Thuja		in feed	96689	reviews	4780 21901 52806
Thyanta pallidovirens	5428	Thysaniezia giardi	14065*	Rumania	94100*
Thyatiridae	32892 105394	Thysanieziasis SEE Tapeworms		Southern States	14023
Thylochromus nitidulus	105697	Thysanolaena maxima	99994*	Tropics	
Thyme oil	45136*	Thysanoptera		reviews	14080
Thymelaeaceae	83368*	Alabama	95671	USSR	32666 32670 32686
Thymidine	754 4124 27552a	anatomy and physiology	64280*	32731 42458 83273 94112	
22732* 100076* 100666*		Argentina	23964*	4746* 14005* 14024* 14029*	
effects on barley	18491	as pests	23219* 23348* 106116*	14030* 32697* 42495* 42542*	
effects on corn	19172 89219	biology	14160 83389*	63492* 63523* 73162* 94085*	
effects on Drosophila melanogaster	14684 8333	collecting	14945 95622*	94129* 94138* 94153* 94155*	
effects on plants	543	control	14160	Yugoslavia	4733
in Drosophila	105748*	chemical	42620 52976 99232	Arkansas	23573
Thymidine phosphates	19307 55277	83334* 105159*		Australia	94734
Thymine	28372 107976	control equipment	73284 105244*	bacteria	73518*
Thymoites	105572	cytology	43339*	biology	73506
Thymol	13915	development	43349	birds	5087 5111 33057
Thymus	5548 31142 31880	dissemination	106112	83786* 94210*	
57530* 77398*		ecology	4868 84206* 84218*	bites	4710
Thymus capitatus	58171 77408*	evolution	43339*	breeding places	14005*
Thymus extracts		food and host plants	5617	buffaloes	83802
effects on poultry	82625* 93076*	Germany	33516*	California	94763
effects on sheep	32292* 32293*	habits and behavior	105159*	cats	94114
72807* 72875*--72878*		Illinois	95671	cattle	63443 63516 83238
Thymus froelichianus	77397* 78093*	India	5606	83802 94232 105050 63494*	
Thymus gland	103340	Italy	4802*	control	42509 32735* 92516*
dogs	104022	migration	53580	chameleons	23121
poultry	104360 104462	overwintering	15001*	chemoreception	14493*
rats	62668* 104199*	prey	4868	collecting	95615 42941*
sheep	32235* 93630*	Puerto Rico	23957	collections	14464
Thymus nitens	78093*	Rumania	43368* 106132*	control	13989 32730
Thymus pulegioides	78093*	taxonomy	73883 95646*	biological	42557
Thymus vulgaris	78957*	Tierra del Fuego	64287*	California	4683
Thymnidae	14839	USSR	15004* 64285*	chemical	63471 32588* 63488*
Thyreopterinus	63910*	Thysanostemon	88345	63494*	
Thyridanthrax	14596 53366*	Thysanura		Nigeria	63516
Thyridopteryx ephemeraeformis	42789	anatomy and physiology	14974	policies and programs	23174
83489		43388 14941* 95602*		105142	
Thyriostromella	46972*	biology	23952*	tests	4729 23132
Thyroglobulins	72131*	development	95607*	USSR	14049* 14074* 94185*
Thyroid gland	61756* 71714* 91876*	habits and behavior	14984*	cytology	105570
cattle	12997 72243 82206	India	43363*	development	83805* 94709*
3653* 31265* 31293* 31380*		molting	73907	diseases	53183 63476*
72131* 82289* 92535*		mountain areas	5607*	dogs	32672 73170 94114
dogs	14015 62502 72421	reproduction	73907	ecology	32687
103984 41744* 82365*		research methods		Austria	33062*
goats	42176 72865 52418*	statistical	95607*	Poland	53195*
104725*		taxonomy	43391 23952*	USSR	14005* 14030* 14038*
horses		Tibetacris n g	106074*	83801*	
pigeons		Tibicenidae	73704	eggs	5082*
poultry	31746 31917 52147	Tibouchina	88345	eradication	63443
62778 72637 72638 31920*		Tick fever	52798 94090 94107	Florida	32681
31955* 62915* 93263*		94151		fungi	105544*
rabbits		Tick paralysis	14014 23160* 63477*	genetics	63500
rats	52147 104191 104200	Ticks		geographic distribution	63513
104203 104725*		Africa	5086	14038* 42909* 73161* 73520*	
sheep	22809 32176 72726	anatomy and physiology	5107	73524* 73533* 73543*	
82810 93640 22811* 42216*		and disease	4710 4738 4743	Norway	14068
52478*		4760 4775 4783		USSR	14048* 14054*
swine	32381 42321 22978*	14022 14063 32681 32685		5111 73506	
52620* 52637* 104786*		32693 32696 42506 42508		Great Britain	83811
Thyroid hormones	62480 82018	42557 72193 94053		habits and behavior	4702*
82417		94139 94216 94219		hibernation	63513
Thyroid stimulating hormone SEE Thy-		94242 14069* 14082*		horses	32687 94763
rotropin		53318* 63477* 73160*		host animal relations	63900*
Thyroidin	52478*	91998* 94081* 94105*		hosts	99070*
Thyropisthus (Duplopisthus) n sgen	83768*	94140* 94239* 105097*		identification	83793*
Thyropisthus (Spoliatogonus) n sgen	83768*	Africa	94796	immature stages	94771
Thyroprotein	4100 4489 82483	Algeria	52766*	India	105584
Thyropygus	83768*	Austria	33062* 52807*	insecticide resistance	83163
Thyropygus (Spissustreptus) n sgen	83768*	reviews	23147*	Japan	32735*
		bibliographies	73150	larvae	14447
Thyrototoxicosis	4247	Bulgaria	23160*	livestock	105142 14049* 32698*
Thyrotropic hormone SEE Thyrotropin		California	4683	63474* 63491* 94129*	94185*
Thyrotropin	42047 82018 82840	conferences and congresses	14066 94044	lizards	94734
93650 103594 104200 92804*		Czechoslovakia	94068*	Malagasy Republic	14479*
		Europe	23120	man	94114 94222

\*Text of this reference is not in English.

	Item			Item			Item	
Ticks-- Cont	metamorphosis	63477*	Tillage-- Cont	in weed control--cont		Tillage-- Cont	in weed control--cont	
	mice	23512		USSR	2477*		USSR	2477*
	microorganisms	14473		79777*	79852*		79777*	79852*
	Montana	23542		101747*	101787*		102090*	
	nematodes	94716*		24192	50801		102079	102094
	Nevada	53168		64403	84429		20786	50191
	New Zealand	53181		29450*	70676*		29849*	29854*
	nymphs	5067*		Belgium			80474*	
	Paleartic Region	83794*		costs	33666		Kansas	29850
	parasites	5082*		Finland	50202*		Kenya	50208
	Poland	83237*		Germany	30329*		Korea	40117
	populations	23573		43547*	53697*		labor	86745*
	poultry	14054*		74019*	95809*		Lithuania	29868*
	reproduction	32725		East Germany	5737*		mountain areas	106265*
	rodents	5094		43535*	74038*		Nebraska	100772
	95615	42909*		Great Britain			Netherlands	2503*
	sheep	105143		Hungary	15110*		20784*	39667*
	swine	63465*		64408*	84417*		Norway	11639*
	taxonomy	73506		Italy	33646*		Philippines	40112*
	33070*	105570		74041*	84407*		Poland	29859*
	USSR	32693		Japan	33665*		50204*	50177*
	viruses	5112		64409*	64417*		Republic of South Africa	50764*
	water relations			Mississippi			70615	22457*
	Western States	53170		mountain areas	74044		Rumania	2465*
	wildlife	5111		84417*	15113*		2497*	11656*
	94683	94763		Netherlands	15118*		11678*	11657*
	73528*	73540*		operation	43553*		80464*	101670*
	reviews			5744*	43551*		seasonal	
	Tigloyl	104218		43557*	53696*		Bulgaria	91214
	Tigogenin	89813		95803*			Czechoslovakia	40124*
	Tigridia purpurea	69186		parts			Finland	29845*
	Tiguvon SEE Fenthion	98963		Poland	84426		France	102092*
	Tilia			Republic of South Africa			Germany	50209*
	anatomy and physiology	28230		Switzerland	20952		East Germany	91200*
	culture	61016		tests	43530*		Ireland	70671*
	ecology	9351*		43553*	84415*		Netherlands	11664
	fertilizers	102594*		types			Northern Rhodesia	60564*
	honey plant	97020*		USSR	2500*		Rumania	70683
	nomenclature	88258		40345*	106270*		Sweden	80489
	pests	53019*		Wyoming			USSR	2484*
	pollen	79910*		fallowing	11646		2501*	60561*
	seedlings	102594*		70063	107442		Sicily	80472*
	varieties	79910*		Africa			South Dakota	20797*
	wood	40710		Australia	89026*		Southeastern States *	2491
	Tilia americana	12446*		Canada	11660		Southern Rhodesia	60555
	Tilia cordata	30247*		China	89561		Spain	102087
	Tilia parviflora	30392*		Great Britain	91215*		stubble-mulch	91213*
	Tiliaceae	28230		Great Plains	20265		70826	102097
	Tiliroside	17653*		Idaho	80471		80467*	1502
	Tillage	78665*		Mongolia	20697		Bulgaria	40348
	2478	2480		Oregon	69344		Canada	2488*
	2518	11201		Puerto Rico	29143		Germany	
	40126	40131		Republic of South Africa	77980		East Germany	2469*
	50198	50203		USSR	69515		Great Plains	80469
	60545	69611		88961*	79702*		Hungary	80463*
	80529	91196		Finland	50058*		India	11676
	102083	102169		France	11650*		North Carolina	2466
	50194*	50210*		60558*	40127*		Rumania	10423*
	60554*	60714*		Germany	24090*		Sweden	40115*
	Albania	29844*		40114*	40116*		USSR	102104*
	Arkansas	60551		61064*	80478*		subsoiling	50376
	Australia	80470		East Germany	40133		53704*	84419*
	91195	80490		10441*	11658*		Canada	106263
	Belgium	29871*		40138*	50010*		Denmark	106274
	102096*	29872*		70664*	70670*		Germany	2486*
	bibliographies	49586*		90810*	102091*		11772*	40112*
	Brazil	60560*		Great Britain			50201*	
	Bulgaria	60556*		history			East Germany	43535*
	California	68840*		Hungary	29861		Hungary	15110*
	Canada	40139		11661*	11667*		Italy	70666*
	91192	11662		50193*	50196*		Japan	70667*
	China	11654		64408*	80461*		Lithuania	64407*
	102102*	91201*		80466*	91205*		Netherlands	2459*
	conferences and congresses	2473		in weed control			91193*	40112*
	costs	40130		100771	70680*		Norway	101747*
	Czechoslovakia	40128*		Australia			USSR	102078*
	Denmark	2486*		Czechoslovakia	70073		20793*	2495*
	effects on insect populations	14126		Denmark	79823*		29867*	11666*
	23154	23233		Finland	2042*		68879*	20801*
	effects on soils	2492		Germany	102092*		70682*	40123*
	20374	20839		East Germany	59914*		102192*	40125*
	78432	91212		Great Britain	90671*		Sweden	102101*
	2487*	11215*		Great Plains	90703*		Switzerland	40132*
	29862*	29976*		Hungary	39580		USSR	2463*
	43541*	49816*		India	39538		2498*	11665*
	50200*	60086*		Minnesota	101515		29858*	20785*
	60557*	60568*		New Zealand	20273		50206*	29876*
					79763		80480*	40136*
					70151		80491*	80476*
					70166		102089*	80486*
							Virginia	80493*
								80713*
								70674

\*Text of this reference is not in English.



Item				Item			
Tillage-- Cont				Tineola bisselliella 4894 83508			
Washington	11703			53003* 73294* 105341*			
Wisconsin	28440			Tingidae			
SEE ALSO Plowing; and SUBHEAD				anatomy and physiology	42715*		
culture UNDER names of plants				Eastern Hemisphere	95183		
Tillam SEE Propyl ethyl-n-butylthiol-				food and host plants	42756*		
carbamate				India	95184		
Tillandsia	8748	88393*		Japan	84061		
Tillandsia maxima		18840*		Korea	84061		
Tillandsia usneoides	99759	99864*		Lebanon	64129*		
Tilletia		37380*		Mexico	95181		
Tilletia barclayana	9147	37367		North America	95181		
Tilletia brevifaciens SEE Tilletia				Ryukyu Islands	84061		
contraversa				Taiwan	84061		
Tilletia caries 27167a 68221	99390			Tanganyika	5429		
27230a*				Tingis	95184		
Tilletia controversa 9136	37317			Tingitane	79027		
68221 99373 99374	27230a*			Tingitidae SEE Tingidae			
58038*				Tinicephalus	95268*	105864*	
reviews	18198			Tinkham trap	95112		
Tilletia foetens SEE Tilletia levis				Tinnea	17637*		
Tilletia foetida	27129a*			Tinodes	95612		
Tilletia levis	27242a*			Tinodes pusillus	14962		
Tilletia tritiei	27242a*			Tinopal BV	15824		
Tillmans' reagent	85724*			Tinox	42491*		
Tilsit soils	11399			Tip blight			
Timber				peas	99334		
appraisal 2737 30245	30271			Tip necrosis			
50577 51033 40877*	50649*			peaches	37402		
Colorado	80910			Tip rot			
conferences and congresses	40391			bananas	88785		
consumption	40877*			Tipburn			
cruising 40536 40542	50680			lettuce 6893 58672	58784		
80967 80972 80974	11998*			Pinus strobus	238		
21151*				Tiphidae			
defects 12325 53032	61334			Albania	105892*		
grading and standardization	12325			Chad	84096*		
harvesting SEE Logging; Lumbering;				Southwestern States	5475		
and SUBHEAD harvesting UNDER				taxonomy 73736	33315*	43204*	
names and classes of trees				Western States	5436		
Kenya	60893			Tipula 5291*	14645*	95080*	
legal aspects	50558			control	33314*		
marketing 12317 30565	30573			France	105760*		
40874 71433				Nearctic Region	94998	94999	
Canada	30563			populations	64002		
Germany	81447*			taxonomy	94997		
Great Britain	40878			Tipula carinifrons	95099		
Louisiana	2936	30579		Tipula czizeki	64002		
New Mexico	21484	30567		Tipula (Dendrotipula) n sgen	95080*		
Southern States	102918			Tipula (Geotipula) n sgen	95080*		
Sweden	40871*			Tipula iridescent virus	94598		
marking SEE Trees, marking				Tipula luna	64002		
prices 30573 61384	2935*			Tipula oleracea	95008*		
purchase and sale programs	21469			Tipula oleracea group	5247		
81413				Tipula paludosa	32623	95113	
quality 50784 102459	12454*			83314*			
situation and outlook 50590	51151			Tipulidae			
91472				Africa	73612		
trade				Alaska	95099		
Africa	51028			anatomy and physiology	14673		
New Zealand	51028			105733*			
SEE ALSO Lumber; Mine timbers;				Asia 33135 63985	94996		
Wood				Azores	14652		
Time and motion studies SEE UNDER				biology	43054		
Efficiency				Burma	94997		
Timogebienus n g	23579*			collecting	5292*		
Timopheevi wheat 37832	37918			cytology	43071		
27536a* 89139*				ecology	64002		
Timora	95373*			genetics	105709*		
Timothy SEE Phleum				Great Britain	5239		
Tin 95909	85098*	99289*		immature stages	33160		
Tin arsenate	4428*	13689*		India	33134	53299	
Tin compounds 51132	57920	83508		Madeira	14652		
52298* 62933*	82611*			Maine	53298		
Tinea	42778	105936		Nearctic Region	94998		
Tinea atrella	95516*			nomenclature	5247	94995	
Tinea marginella	95516*			North America	23641	23658	
Tinea pellionella	4894			Paleartic Region	5291*		
Tineidae				reproduction	23658		
Afghanistan	84170*			Sikkim	53299		
Albania	84171*			taxonomy 5239	23632	43054	
breeding places	84173*			63985			
Paleartic Region	84172*			Tibet	94997		
Poland	5547*			USSR	95080*		
Rumania	43244*			Tipulinae	95080*	14645*	
USSR	84182*			Tiracola plagiata	52917		
Tineoidea	95492*			Tires	5868*		
Tineola	53497			maintenance and repair	43699		
				33798*			
Tires-- Cont				Tires-- Cont			
tests				33789*			
tractors 15266* 43723*	84598*			84626*			
trucks				81346*			
types				84468			
Tisonia				8714*			
Tissue culture				30971			
animals 3532 3981	22254						
22603 51596	52022						
62664 82497	82612						
92905 93266	51587*						
reviews							
Antheraea eucelupti							
Blaberus craniifer	5579						
Bombyx mori	23496	105487*					
Chironomus thummi		23678					
Danaus plexippus		64195					
Drosophila melanogaster		14621*					
Galleria mellonella		53479					
insects 4745 73455	73710						
73494*							
reviews							
Leucophaea maderae		94649					
nematodes		43324					
plants		68307					
652 741	899						
984 1053 1179	1264						
1315 9529 9654	9750						
9835 9944 10054	10143						
18213 18403 18631	18877						
18921 19193 26765a	27481a						
27526a 27527a 27539a	27543a						
27554a--27556a 27578a	27594a						
27595a 27596a 27598a	27601a						
27606a 27608a 27614a	27619a						
27625a 27626a 27632a	27642a						
27643 27650 27871	27896						
27909 27974 27981	27993						
28095 28096 28130	28148						
28164 28170 28196	28205						
28206 28225 28273	28274						
37975 37988 38175	38474						
38630 38672 48054	48093						
48264 48402 58218	58854						
69033 69068 78662	78876						
89069 89127 89182	89195						
89230 89728 89763	91614						
99649 99651 99838	99886						
99929 99973 100000	100466						
105032 9662* 10039*	18563*						
18857* 18882* 19150*	19197*						
19198* 37817* 38032*	38044*						
38270* 48062* 48348*	58828*						
59002* 68538* 69071*	69298*						
78462* 78649* 78908*	79002*						
89063* 89121* 89185*	89540*						
89567* 89798*							
conferences and congresses							
reviews							
Samta cynthia	9490	27501a					
viruses		89472					
3684 3702 3860	43271						
3986 3987 4176	13151						
21870 22150 22380	22417						
22605 22644 30971	30994						
31001 31615 31739	41353						
41777 41981 41982	42067						
52135 62624 62793	62819						
63281 63317 63322	81700						
81730 81731 82456	82636						
82801 92029 92416	92527						
92885 103244 103275	104804						
104825 104855 104865	104887						
104893 3248* 3270*	12608*						
12714* 13483* 13536*	13794*						
13863* 21844* 30851*	32535*						
32545* 51593* 51848*	51885*						
61865* 63243* 33315*	82463*						
82598* 82657* 83033*	103315*						
104321*							
Tissue therapy	51586	12592*	12616*				
12648*	30849*	81667*	81838*				
cattle	3417*	22959*	41647*				
62050* 62206*							
conferences and congresses							
poultry	22533*	93076*					
swine	13847*	32498*					
72978* 104909*							

\*Text of this reference is not in English.

Item				Item				Item			
Tissues				Tobacco-- Cont				curing--cont			
animals	4159	12556	12610	anatomy and physiology--cont				Australia		97490	
12678	12684	12694	12732	58790* 58843* 58875*	58939*			Canada		101097	
12901	13075	13451	13535	58948* 73237*	78346*	78361*		costs	45362	45363	
13560	13680	13701	13817	99219* 100144*			107965	Indonesia		7544	
13837	13893	41274	41777	Australia				Kentucky	45362	45363	
42516	51561	52145	61883	bacterial diseases			107965	North Carolina		35373	
62901	63071	63298	72532	58046 88858	99560	99562		Southern Rhodesia		16489	
73041	73140	82253	92165	18246*				curing equipment	16492	107958	
92432	93555	103202	103790	biochemistry	1420	10229	10230	cytology	610	9308	9623
103867	104229	104245	104930	10281 18346	19402	19431		18359 68255	89102	99601	
3698*	4423*	12635*	22591*	19432 27313a	28328	37470		directories	16502	75894	
30842*	31894*	41352*	52343*	38630 48524	58034	59007		Great Britain	26357	86520	
61737*	61711*	71832*	72718*	88847 89861	89935	99640		Greece		45361	
82199*	82985*	91922*	103839*	100660 100698	10243*	18270*		Malawi		75893	
104432*	104651*			19334* 19414*	38568*	38648*		Northern Rhodesia		75893	
analysis and composition		15382		47356* 47465*	59012*	78908*		Southern Rhodesia		75893	
25836 25852 25854		42057		78996* 89846*	89880*	89900*		Turkey		45361	
42438 43950 51559		78835		89920* 100676*	100677*			discoloration		107968	
7123* 21888* 30890*		31015*		breeding	10565	47888	58465*	disease resistance	416	9192	
35000* 54113* 61908*		74358*		Bulgaria			69654*	47576 27148a	27179a	37374	
81834* 86126*				Germany				68188 68143	369*	18193*	
conferences and congresses				East Germany				28761* 49009*	68132*	68138*	
enzymes			12670	Italy	49008*		101090*	101090*			
grafting	3795	31999	21838	Northern Rhodesia			49011*	Italy	49008*	49011*	
62513*			82487	Philippines			101095*	Pennsylvania		19727	
proteins			22178	Poland			69649	Philippines		69649	
SEE ALSO names of tissues				research methods			59435*	Poland	57943*	59435*	
Antheraea pernyi			73453*	statistical			79411	South Carolina		77882	
Blaberus craniifer			5580	Rumania			90244*	USSR		59448*	
Bombyx mori	105476		42846*	Southern Rhodesia	28762	101095*	101095*	diseases	258	57782*	
Hyalophora cecropia			94605	Taiwan			38926*	Bulgaria		47058*	
insects	13908		23520	USSR			59448*	control	88631	19726*	57755*
conferences and congresses				care and handling	35375	35377		Georgia		68015	
			63821	86509 107970				Kentucky		37154	
Lepidoptera			14884	chemistry	7526	7528	55974	drying	75904	107968	26362*
moths			5511	86507 26362*				49003* 55980*			
Oryctes			105654	color			16491	drying equipment		64496*	64511*
plants	15382	17525	47454	consumption	107961	107973	107973	ecology		37591*	58194*
61575 100508 91922*			94651*	26341* 45364*	45369*			enzymes	18354	38508	38650
99219*				containers			54267*	10243*			
analysis and composition			48402	contamination	107956		47309*	farms	7824	16831	16890
54093				cooperatives			75883	76231 86945			
anatomy and physiology		914		costs and returns			56565	fermentation	26344	16498*	26362*
9791 68603 99816		10023*		Italy			87176*	107951*			
99912*				Kentucky			66949	fertilizers	2433	38442	70532
biochemistry	59034	100670		Maryland			29745	Bulgaria	60414*	60417*	60495*
89897*				Southern Rhodesia			16890	China		101901*	
conferences and congresses				Virginia	108533	108552		France		11466*	
			63821	culture	773	79415	101089	India	40035	40097	70594
Sarcophaga bullata			5295	57755*				70596 102029			
Titan yellow SEE Clayton yellow				Africa			59453*	Japan		20760*	60517*
Titrimetry	37420		6367*	Algeria	1677*	19730*	58000*	Kentucky			91028
Tmarus			42951	99476*				Maryland	29745	60437	60438
Tmesiphorus marani			43004*	Argentina			49007*	Mozambique			60525*
TMTD SEE Thiram				Bulgaria	59444*	59445*	60495*	Ohio			50017
Toads			52034	Canada		38930	101096	Poland	19726*	49999*	60408*
Tobacco			107978*	Ceylon			101092	60409*			
abnormalities			99827*	Dahomey			59450*	Puerto Rico		2310	
acreage allotments	26359		86522	Florida	38924	38925	59439	Spain		91114*	
acreage and area	87320		75882*	Germany				Tennessee		50312	
additives			26343*	East Germany			49003*	USSR	58875*	60362*	60402*
advertising			16499	Hungary			59443*	60508*			
advisory services			16503	India	10567	38929	40097	flavor and odor	7459	75908	54267*
Algeria			19729*	59437 102029				flavoring			107966
analysis and composition			7528	Indonesia			1679	fungus diseases	416	18102	27250a
7540 26347 26348		26352		Israel			69657	37373 37374	58034	68143	
55965 55969 55979		55986		Japan			58612*	68188 88721	88847	49009*	
75902 86513 97495		74796		Malagasy Republic	59447*		59449*	68101* 68138*	68224*	77717*	
107969 107976 49999*		55977*		Malawi			1678	99350*			
66261* 75877*				Maryland	59441		59442	Algeria		99476*	
anatomy and physiology	924	1078		Niger			59452*	Australia		18140	
1079 1080 1199		9720		North Carolina	28700	49006		Bulgaria		68132*	
9742 9866 9867		9919		Northern Rhodesia	1678	38022		China		99408*	
9920 10071 18884		18981		49004 69648*				control	412*	58021*	78361*
19189 27896 28038		28050		Poland		1676*	19726*	Africa		57874*	
38235 38241 38412		38428		Puerto Rico			79412*	Algeria	18173*	58000*	69652*
38442 47548 47724		48136		Republic of South Africa			49004	Australia	402	9062	9113
48305 48330 48486		48524		Senegal			59438*	Belgium			77654*
69039 69100 78618		78645		Southern Rhodesia	1678		10564	Germany		18193*	
78686 78878 89102		89393		38022 49004 38927*			69648*	East Germany		47356*	
89568 100434 9662*		10039*		Syria			90243*	53806* 64525*			
14752* 18797*	18853*	18886*		USSR			59454*	Italy	341*	18121*	18208*
18906* 18989*	19078*	19150*		Upper Volta			59451*	37226* 58602*			
20760* 27339a*	27821*	38233*		Virginia	49005	69651	69655	Poland			37096*
48062* 48485*	58476*	58581*		cured			16491	reviews			47207*
58602* 58612*	58661*	58700*		curing	5794	26335	55974	Southern Rhodesia			47226
				35375 86516							

\*Text of this reference is not in English.



Item				Item				Item			
Tobacco-- Cont				Tobacco-- Cont				Tobacco-- Cont			
fungus diseases				legislation				products			55976*
Europe			47315	loading equipment			54789	propagation			58843*
Florida			37197	losses	73184		86506*	properties	26333	26334	26335
France	27147a	27148a	27179a	Malagasy Republic			99827*	45368	26356*	58612*	66273*
369*				male-sterile			773	proteins	9867	10071	18804
Germany		47311*	68158*	marketing	16503	26358	26363	28328	59007	89935	59096*
Iran			57978*	55983	66265	86518		100676*			
Israel			37305	Africa			66262*	quality	26335	35377	67315
Italy			18224*	Greece			16490	100677*			
Lithuania			37252*	Malawi	55978	107954	107954	China			97494*
Mali			18069*	Maryland			45354	France			19731*
Poland	37188*	47469*	57943*	Northern Rhodesia	55978	107954	107954	India			101094
59435*	99384*			Philippines			66281	Maryland			29745
Spain			37370*	Southern Rhodesia	16497	16500	16500	Poland			60409*
Turkey	9153*	68211*	77828*	55973	55978	107954		Puerto Rico			79412*
Virginia			27249a	Sweden			45370*	USSR	58700*	58948*	66266*
genetics	416	776	791	mechanization		5650*	95725*	regulation and inspection			16503
9608	9623	47839	58465	moisture	75904	86521	97489	research methods			
78253	100034	100039		97492	26353*	35381*	35382*	statistical	79414	101089	
germination	19179*	38268*	58788*	morphology	7549	27485a*	47731*	research programs			45356
89640*	100429*			58581*	68533*			reviews			66269*
grading and standardization			7542	nematode resistance			37502	rootstocks			101095*
16504	35380	45374	86514	nematodes	37516	47576	88913	seeds	38268*	57755*	58465*
75877*				99629	99694			66167*	89640*		
harvesting	10568	101097	19731*	control			27371a	analysis and composition			97426*
38931*				Africa			58113*	Northern Rhodesia			101095*
harvesting equipment	5794	74094		Australia			9720	Southern Rhodesia			101095*
75906				Germany			88925*	storage			77717*
history	10569	35376	35379	North Carolina			27381a	shading	40097	69660	101094
55967	66269*	66282*		Southern Rhodesia	9269	9270	9270	situation and outlook	45373	66271	7535
hybrids	791	78253	79411	37495				45373	66271	66290	66291
28761*	69654*	101088*		packing		55987	75888	75878	75880	75900	75901
industry	16494	55982	66276	pest control			94340	75903	75909	75914	107952
107961				Australia	14100	14141	42584	107957	107962	66258*	
Africa			26349	42626	105167	105168		Africa			7538
Algeria			69652*	biological			32740	Asia			7532
Brazil			86502*	Connecticut	83326		83327	Belgium			56382*
Cameroon			66284*	Florida			23261	Bulgaria	55984	66275	66289
Canada			86503	Massachusetts	83326		83327	China			66260
Central African Republic			66285*	North Carolina			4817	Dominican Republic			7537
Congo			66286*	Poland			37096*	Germany	7529	45360*	
Europe			7536*	South Carolina			88631	Greece			55981
European Economic Community				Southern Rhodesia			83319	Italy	35374*	86511*	
27212*	66274*			Thailand			83481*	Kentucky			66259
France			26338*	pest resistance			73237*	Maryland			78320
Germany	107964	16495*	26345*	pests	84144	57782*	83316	Mexico			107960
55985*				Africa			58113*	North Carolina		7531	7534
Great Britain	26357	86520		Australia		42627	52729	7539	7541	7548	45365
Guinea			66263*	habits and behavior			14752*	75879	75892	75896	75898
India	26354	107953		India			14530	75899	75911	75912	75913
Indonesia			66292	Katanga			83378*	86517			
Italy			75897*	Morocco			23243*	Northern Rhodesia	16488	75887	
Ivory Coast			66264*	physiological diseases			100444	75891			
Japan	26355	97493*		planting			59440*	Pacific area			7532
Malagasy Republic		107955		Bulgaria			90245*	Reunion			66270*
Malawi	75886	107954		India			69660	Southern Rhodesia	45355	75887	
Malaysia		7545		Maryland			60438	75891			
Mauritius		26346		Puerto Rico			19725	Turkey		45372	107977
Near East		66279		Southern Rhodesia			101093	USSR	26337*	66272*	66278*
North Carolina	7525	7533		planting date	101094		47469*	66287*			
7550	7551	35378	75881	policies and programs	26363		45359	Virginia	7547	55972	75889
75905				75880	107971			75910			
Northern Rhodesia	75885	75907		Australia			16487	soilless culture			19728
107954	107972			Bulgaria			45371	soils	11822	60238	102062
Pakistan		86505		Greece	45353		45358	59450*			
Philippines	16501	55970		India			86512	spraying and dusting equipment	64525*		43671
Southern Rhodesia	75907	107954		New Zealand			66277	64525*			610
107972	55968*			Northern Rhodesia	75884		75895	statistics	26358	45357	66288
Taiwan		7546		86963				106761	107973	107974	
Tanganyika		75876		Poland			75882*	Canada			55966
Thailand		7543		Republic of South Africa			26351	India			26340
USSR		86508*		86519				Italy			86506*
Virginia		7527		Southern Rhodesia	75884		75895	Netherlands			45369*
Yugoslavia		26350		86963				North Carolina			86517
injuries	18003	77561	79855*	pollen			78445	Philippines			66280
irrigation			70532	prices	10566	26360	46418	Venezuela	26361*	86523*	107975*
Australia	11733	11734		75884	86510		7524*	storage			86515
Canada		78346*		processing	26363	66265	45367*	India			107968
China		102184*		26353*	35381*	35382*	45367*	Maryland			45354
France		20823*		Africa			66262*	pest control	14244	14245	
India		100660		Algeria			18173*	63563			
Southern Rhodesia		11836		Massachusetts			75906	pests			5171
Tennessee		50312		reviews			85102	structures			84251
irrigation equipment		90245*		processing equipment			26339	surpluses			107959
labeling		107967		production quotas	75884	107959	97491*	taxation		56138*	86695*
labor	35578	45354	86514	production regions				tests	16491	16496	55971
86703	86763*	97670*	97676*					54267*			

\*Text of this reference is not in English.

	Item			Item			Item	
Tobacco-- Cont			Tobacco-- Cont			Tocopherol--cont		
topping	10567	10568	virus diseases--cont			in margarine		55635
toxicity		3603*	27276a	27292a	27293a	in milk	65049	74759
trade	7527	8198	27313a	27314a	27315a	in mink nutrition		31647
8222	8274	8292	27345a	27351a	37450	in Pinus sylvestris		78982*
17178	27218	27248	37477	37484	37486	in plants	6010	58968
36263	46419	67315	47466	47467	47478	in poultry nutrition		3090
76808	107961	108814	47498	47506	47508	104269	52204*	93072*
108866			47517	47548	47556	in poultry physiology	72659	82572
Africa		27248	47565	58077	58089	62925*	93229*	
Algeria		67356*	68143	68255	68262	reviews		4228
Asia	27175*	27176*	68276	68289	68293	in rabbit nutrition	3090	63000
Bulgaria		45371	77873	77936	83299	in rat nutrition		3090
Canada		36263	88890	88893	99567	in sheep nutrition	31145	82776
Colombia		57021*	99581	99596	99601	104602	82779*	
Congo		27218	99638	99639	99640	in sheep physiology		42217
Europe		8277	99662	99666	100698	reviews		3534
European Economic Community			9222*	9227*	18270*	in swine nutrition	22925	32368*
		46416	18352*	18360*	27339a*	in swine physiology		63345*
Germany	108879	108891	47462*	47465*	47551*	in turkey nutrition		22509
Greece	17195	46416	47563*	58085*	58111*	in vegetables		46472
46418	46419	108891	99566*	99621*		therapeutic use		41588*
India	108873	108874	China		473*	alpha-Tocopherol	4180	10164
Indonesia		108879	Congo	27349a*	68299*	13676	16015	81636
Italy	87687	75897*	99661*		83378*	Tocopherol acetate		75717*
Malagasy Republic		107955	control	9237	27273a	d-alpha-Tocopheryl		51890
Near East	17178	27248	68254*		58091	alpha-Tocopherylquinine	954	1347
North Africa		17178	Germany			38037		
Scandinavia	8222	108831	East Germany		37418	Toes		92742*
Spain		57021*	India		52879	Tofu	65965	44766*
Turkey	46416	46419	Japan	18362*	27296a*	Tokoronin		28343
USSR bloc		27248	Philippines		69649	Tokosel		83053*
transportation	7530	35379	Poland		47469*	Tollen's reagent		25167
types	2433	8212	Puerto Rico		58057	Toluene	65238	104052
10229	10230	16499	reviews	47463	47480	Toluene-3,4-dithiol		11292*
26335	26358	35355	South Carolina		77882	p-Toluenethiol		29529*
45357	45373	46419	transmission	27315a	88913	Toluidine blue		29562
55983	55987	66283	99597	99629	99694	Toluol SEE Toluene		30842*
70596	73184	75878	waste		39933	p-Tolyl mercaptan SEE p-Toluenethiol		
86510	86522	89568	weed control	90611	101516	4-(p-Tolyl)-1-pentanol		30655
107957	107974	107976	yields		70532	N-m-Tolylphthalamic acid		38471
Africa		58194*	France		19731*	Tolypella		18562*
Algeria		69652*	Georgia		59436	Tolypella nidifica		100255*
Argentina		49007*	India	59437	101094	Tolypothrix		9516
Canada	38930	101096	Maryland		29745	Tolypothrix tenuis	1330	78947
Florida		59439	North Carolina		79413	Tomafix		38288*
Greece	16490	46418	Philippines		69650	Tomarops		5130*
India	10568	19732	Poland	49999*	60409*	gamma5-Tomatidenol-(3 beta)		59035*
59437	69039	69660	Puerto Rico	2310	79412*	Tomatin		48572
101094			USSR	58476*	58700*	Tomato fruitworm SEE Heliothis zea		
Kentucky		91028	SEE ALSO Nicotiana; and kinds of to-			Tomato hornworm SEE Protoparce		
Malawi		1678	bacco		86504	quinquemaculata		
Northern Rhodesia	1678	75890	Tobacco barns			Tomato juice	96807	96816
75891			Tobacco budworm SEE Heliothis vire-			96813*	98399*	96891
Philippines	55975	66280	scens			Tomato paste	6868	55085
75902		66281	Tobacco hornworm SEE Protoparce sex-			96776	98337*	85715
Southern Rhodesia	1678	75890	ta			Tomato rust mite SEE Aculus lycopersici		
75891			Tobacco seed meal		93058*	Tomato seed oil	75671*	89744*
Tanganyika		75876	Tobacco seed oil	55680	75725	Tomatoes		
Turkey		45372	Tobacco wireworm SEE Conoderus			abnormalities		58470
Virginia	108533	108552	vespertinus			acids	871	78386
varieties	416	9919	Tobesa SEE Hilaria mutica			acreage and area		25535*
68188	78618	68533*	Tococa	36938	88345	analysis and composition		54974
Albania		69659*	Tocopherol		75717*	75184	85727	54976*
Bulgaria	59446*	69653*	determination	6010	43902	anatomy and physiology	921	939
Georgia		59436	effects on cattle	12861	12874	1090	1235	9847
Germany			effects on ducks		42040	9849	9954	11194
East Germany		101090*	effects on plants		28185	18862	18874	19157
India	38928	49010	effects on poultry		13464	19248	19249	27939
101091*			effects on rye		931	28036	28225	29342
Japan		58661*	effects on swine	22968	13836*	37855	38024	38161
North Carolina		79413	in animal nutrition	61628	103136	38442	38471	38484
Pakistan	100034		30781*	81665*		48220	48227	48302
Pennsylvania	19727		reviews		21797*	58524	58556	58557
Philippines	69650		in cattle nutrition	3437	31145	58623	58670	58699
Poland	1676*		103536	72021*		58936	67942	68754
Southern Rhodesia	10566		in cattle physiology			68907	69014	69074
Taiwan		38926*	reviews			78386	78476	78643
virus diseases			in duck nutrition		3534	79710	89377	89493
442	456	469	in eggs		104304*	100090	100170	1174*
476	776	9244	in fats and oils	36369	93403*	10078*	10111*	10192*
9262	14122	18275	in feed		97196*	19254*	20630*	27904*
18293	18301	18305	in fruit		12484*	38038*	38105*	38171*
18309	18316	18321	in grape seed oil		46472	38332*	38368*	38375*
18331	18335	18346	in laboratory animal physiology	4007	97201*	38494*	47771*	47931*
18349	18350	18354	31724*			48498*	58583*	58677*
18361	18364	18366	in legumes	8359		58733*	58776*	58780*
18376	18377	23228				58843*	58920*	58943*

\*Text of this reference is not in English.



Item				Item				Item			
Tomatoes-- Cont				Tomatoes-- Cont				Tomatoes-- Cont			
anatomy and physiology--cont				cytology				genetics--cont			
68676*	68719*	68729*	68753*	damage	655	619*		100052	9577*	27755*	47905*
68788*	68852*	68876*	68993*	defoliation		44748		47925*	58401*	68640*	89286*
69010*	69082*	78558*	78697*	disease resistance	330	8992		101401*			
78798*	89484*	89666*	89744*	18148	37909	57762	59893	germination	18793	38053	48186
89761*	90559*	100270*	100320*	99521	18227*	29041*	59858*	1999*	19053*	58780*	68939*
100422*	100476*			88606*	88819*	99483*	101403*	78697*			
bacteria		6757		101432*				grading and standardization		55112	
bacterial diseases	37514	47454		diseases	319	27050a	27018a*	65542*			
77854	99546	99560	29041*	77543*	101414*			hardiness	59773	38171*	
control	18242	37387	77865	Australia			18008	harvesting	89555	96807	
Georgia		37405	77865	control	57762	68000	68017*	harvesting equipment	10914	15165	
Italy		18244*	88863*	88666*				33737	38471	29022*	74099*
Portugal		88863*	6923	Georgia			27044a	Canada		20145*	
biochemistry	1295	1349	6923	Yugoslavia			99221*	Colorado		49312	
69300	69326	79010	79034	dwarf			29028*	Michigan		33730	
6926*	10192*	48639*	78905*	enzymes	1349	6736	25355	parts		84511	
89799*	89897*			69300				hybrids	655	9610	37909
breeding	59773	39374*	59858*	fertilizers	2404	18839	29743	68635	89493	10978*	27755*
68753*	79671*	101401*	101414*	38442	40018	40098	60380	37893*	68640*	78327*	101429*
Bulgaria	29035*	29041*	29137*	70630	27018a*	40032*	70548*	Australia		10920	49316
49315*	79681*			80392*				Bulgaria			79681*
Canada		20121	59838	Australia	11559	101960		Rumania			20140*
France		90551*	101432*	Belgium		70627*		USSR	1933	39342	49302
Germany				Bulgaria		40025*		49374	90559	101431	
East Germany		101403*		Florida	2367	39958		United Arab Republic		59891	
Lithuania		29080*		Germany				hydrogen-ion concentration		58428	
Rumania		20140*		East Germany	50025*	59885*		industry	65398	85686	96773*
Sicily		59820*		70565*				injuries	320	321	65596
USSR	10919*	70020*	70045*	Great Britain		11509		100259*			
United Arab Republic		59890		India	29799	58565	60319	irradiation	6897	34796	107400
canned	6868	15983	85822	Indiana			91185	irrigation	58565	102156	27018a*
care and handling	6904	33737		Italy		91076*	102041*	91307*	100422*		
44748	65596			Japan			40081*	keeping quality		16059	
chemistry		16019	44747	Mexico			2337*	labor		87221	16609*
color	19243	69138	69139	Netherlands		50150		male-sterile		78326*	78327*
6926*				Puerto Rico	2310	20586	60317	marketing	34741	44656	69944
reviews		19242		60478				20174*			
consumption		85748	75227*	Rumania		20629*	20630*	mechanization		43443	
containers		6843	96866	USSR	29774	11630*	39943*	morphology	1247	37722	89161
contamination	15983	54974	55098	80247*	90549*	91144*		27486a*	47771*	78112*	89131*
75184	85744			for processing	6904	33737	54929	89183*			
cooling		16051		79673	65542*	69956*	79708*	nematode resistance		101401*	
costs and returns		40018		85678*	90515*			nematodes	511	527	37496
Bulgaria		35753*	35880*	Canada	59838	77976	90493	37514	88957		
California		35896	76463	France			39386*	Canada		77976	
Guernsey		16935		Hungary		39372*	59816*	control	37520	58129	77980
Hungary		97980*		Italy	90503*	90552*	96784*	88933	88935	492*	
New Jersey		87221		96847*	96848*	96858*	96859*	Iran		9273*	
Poland	16933*	26954*	76421*	96861*	96862*	102041*		nutritional deficiencies		69138	
Rumania		35888*		forcing		79677*	90537*	packing	16051	26891	34774
Texas		26891		freezing			25472	55112	65596	65563*	
culture	69946	70665	74238	fruit set	10059	28036	58699	packing equipment		34774	
29024*	79673*	80727*		58708	68716	89621	79677*	pasteurization		34796	107400
Australia		10981	49349	100259*				pest control	23226	23252	23272
Belgium	49287*	69992*	70627*	fungus diseases	330	331	8992	42590	57938	63596	
Bulgaria	24275*	29038*	29095*	9006	9012	14170	27127a	chemical	63614	94353	52894*
59837*	100476*			47204	57932	77738	9048*	Mexico			73239*
California		49370		37249*	88819*	99483*		Netherlands			42570*
Canada		90493		Australia			88795	New Jersey		32789	42620
Channel Islands		101371*		Belgium			18221*	83369			
Germany		20174*		Brazil		9158*	99312*	Texas		32807	
East Germany		91307*		control	27254a	37195	57938	pest resistance		63558	
Ghana	69944			68133	68209	77660	88730	pests	14170	23227	93316
Great Britain	5945	20144*		99521	37261*	37327*	77705*	Brazil		14095*	
101371*				99403*				Italy		52894*	
Hungary		59816*		Australia		99297		Philippines		105688*	
Illinois		90496		Canada		384		Sicily		105199*	
India		59879		Florida		57899		Venezuela		105151	
Iowa		59859		Italy		37281*		physiological diseases	19243	89725	
Israel		59882		Japan		27153a*		100489	38379*		
Italy		90552*		Maryland	9067	27165a		Florida		58652	
Japan	79645*	90523*	90537*	North Carolina		37387		Ireland		69138	
90546*	90547*	90570*		Poland	68186*	99383*	99514*	reviews		19242	
Lithuania			29116*	99515*				plant parasites	10988*	68640*	
Louisiana				USSR		68179*		planting		48302	
Michigan		10950		France		57965*		Australia		10981	
Nebraska		33730		Great Britain				Illinois		10925	
Netherlands		1918		Israel		77794		Italy		90503*	
20110*	39354*			Netherlands		37382*		Japan		100422*	
Northern Ireland		90544		Poland		88842*		Lithuania		29116*	
Poland		39333*		genetics	823	871	9553	Puerto Rico		20586	
Rumania		20124*		9604	9610	27687	27733	Rio Grande Basin		102156	
Spain		60349*		27734	37855	37902	37909	USSR		89131*	
Tennessee		59806		47837	47913	58379	58428	planting date	48469	20630*	38038*
USSR	1953*	39342*	69961*	58446	58459	58468	58470	69961*			
70034*	79694*	90495*		78238	78334	79010	89306	policies and programs		96784	

\*Text of this reference is not in English.

	Item				Item				Item		
Tomatoes-- Cont				Tomatoes-- Cont				Too	SEE Combretodendron quadrial-		
pollen	58708	89306	18982*	varieties--cont				tum			
29137*	37893*	89897*		Canada	1952	1971	2001	Tools	84566	106342	64317*
pollination	1247	58919	37893*	49329	49330	49395	20145*	Toona ciliata		58307	91680
58583*	79681*			Colorado		10914	49312	Toona serrata			58307
prices		85748	75227*	Florida	2367	20199	63558	Toothpicks			91747
processed			89555	France		39386*	90551*	Topalia n g			94678
processing	55125	85860	96807	Galapagos Islands			79710	Topiary SEE Pruning			
products	85745	85860	6829*	Hungary			39372*	Tordon	70146	70183	71212
54976*	56963*	96853*	98253*	Illinois		59797	90496	79798	90675	90696	
propagation	48220	58536	70039	India			101394	Tordylinae			37646*
by grafting and budding			57762	Iowa			59859	Torenia			56
20110*	27153a*	29061*	29110*	Ireland			69139	Torenia fournieri			784
49374*	58843*	101431*		Italy			58677*	Torilis			88403
pruning	27050a	69961*	68729*	Louisiana			69993	Torleya			5619*
quality	65594	89493	40025*	Mexico			1937*	Tornabenia			214
101414*				Michigan			33730	Tornadoes			98678
Bulgaria			29035*	Mississippi			101373	Torocca			14606
Florida		2367	39958	Missouri			85727	Torocca pollinosa			14606
Italy	90552*	96847*	96858*	Netherlands		59829*	59830*	Torquemeter			43720
96859*	96861*	96862*		69985*				Torrents			
Sicily			96848*	New Jersey			49382	control			
Texas			26891	Poland	29028*	90487*	90532*	Austria			71308*
refrigeration			75350	Sicily			105199*	Bulgaria			50223*
regulation and inspection			6829*	Spain			79708*	Czechoslovakia			80584
96844*	96853*			Texas	20191	49386	59893	Italy			50973
ripening	44747	65624	75350	USSR	9939*	20135*	39387*	Switzerland			50293
rootstocks		9960	18148	70045*	90559*			USSR			30010*
sanitation			75321	Virginia		49376	85822	Yugoslavia			80566
seeds	18793	78619	89306	virus diseases	451	9197	18272	Europe			50381*
20140*	78327*	79671*	86415*	18304	18308	18367	27287a	USSR			50386
Canada			48186	37909	47487	47540	68301	Torresea SEE Hierochloe			
certified			27044a	77916	77940	99571	27297a*	Torreya californica			37670*
Hungary			45279*	27340*	47535*	68295*		Torreya myristica SEE Torreya califor-			
Rumania			10978*	control	99521	37327*	37466*	nica			
treatment	38053	99521	38094*	88885*				Torreya nucifera			9525
78396*	78905*			Finland			461*	Torreya nucifera oil			97254
USSR	1933*	29110*	49302*	Great Britain		18278	18327	Torreyol		19435	97254
101429*				58064				Tortricidae			
viability			68939*	India			47525	adaptation			95481
shading			19243	Poland			27330a*	Africa		105952	105954
situation and outlook				Venezuela			77892*	Arkansas			23916
California			34657	waste			3045	as feed			53027*
Canada			54929	weed control			90678	as pests		23298*	42678*
Hungary		6716*	25314*	chemical	29174	29296	29331	Australia		23856	84128
Imperial Valley			6703	29342	90594	90691	90730	Belgium			95449*
Italy			15903*	Florida			57899	biology			84151
Japan			85678*	New Zealand			70065	California			33429
soilless culture		9847	60380	Rumania			10988*	control			53049*
68754	100090	77543*		yields	2404	38024	48302	Denmark		23867*	105976*
New Zealand			9848	59773	60380	63578	89493	development		14869	43286*
Norway			49372*	38105*	38171*	38288*	68788*	evolution			95481
Poland			69978	Australia			10920	flight			83459*
Puerto Rico			20128*	Bulgaria			40025*	food and host plants			53049*
soils	58524	60474	58943*	Canada			77976	Germany		23899*	43269*
Australia			11559	Colorado			49312	larvae		95481	53501*
Florida			2367	Czechoslovakia			1999*	life history			23856
Hungary			11212	Florida	2367	20199	39958	metabolism			106049
Ireland			19243	Hungary		39372*	79677*	Nearctic Region			95501
Japan			100422*	India			29799	North America			14886
Puerto Rico			20586	Indiana			91185	outbreaks		14288	83548*
Spain			60349*	Lithuania			29070*	Palaearctic Region		105953	106022*
USSR			90549*	New Jersey			42620	parasites	23377	23916	64221
spraying and dusting		451	9067	New Zealand			29050	4924*	42718*	53033*	
10059	27165a	55098		Poland			27330a*	Poland			23870*
statistics	16072*	25535*	85891*	Puerto Rico		2310	60317	populations			83550
107418*				Tennessee			59806	taxonomy			53049*
storage	6923	16019	6926*	Texas			59893	USSR			43263*
Belgium			65600*	USSR	29774	1933*	11630*	Tortricidae	43255	94014	106036
diseases	384	6897	16033	38456*	39387*	49302*	69961*	Tortrix		83482*	105400*
34831	88730	96893		91144*				Tortrix costana		42678*	73255*
pest control			73297	United Arab Republic			59890	Tortrix divulsana SEE Merophyas divul-			
pests		85744	85745	59891				sana			
temperature		16059	65594	Virginia			49376	Tortrix murinana SEE Choristoneura			
65624				West Virginia			29342	murinana			
tests			44592*	Tomocerus			5135	Tortrix podana SEE Archips podana			
trade			96844*	Tomoglossa			23944*	Tortrix pronubana SEE Cacoecimorpha			
Mexico			96773*	Tomostethus nigratus			33120*	pronubana			
Morocco			67286*	Tomosvaryella		5267	23668	Tortrix viridana		43263*	53027*
Netherlands			76826*	Tongodesmus n g			14474	53049*	88781*		
transportation		75350	96866	Tongodesmus stilifer			14474	Tortula laevipila			99000
varieties	27050a	65594	65624	Tongue				Tortula pagorum			99000
78386	89555	90510	96807	Apis mellifera		94569	63749*	Torula utilis			88165
18227*	29022*	69998*	89168*	cattle	13135	13067*	51919*	Torulaspora			77482*
89744*	90515*			103634*				Torulopsis	99110	21192*	38469*
Belgium		79680*	90521*	Tonsillitis			41760*	Torulopsis corallina			89817*
Bulgaria	69956*	79681*	100476*	Tonsils			3662	Torulopsis laurentii			88789*
California	39368	39409	39424					Torulopsis utilis		100681	75058*
										89331*	

\*Text of this reference is not in English.



Item			Item			Item		
Torymidæ	5469	73758	Toxoplasmosis-- Cont			Tractors-- Cont		
Torymus	95352*	105246*	rabbits			equipment	5679	43654
Toumeyella liriiodendri		33302	reviews		82494*		43700	43720
Tourism	97806	56682*	reviews		21857		53827	53828
	108042*	108114*	sheep		4379*		53827	5854*
Tovara		101*	63096*	42206	93654		33644*	33662*
Town and country planning		45984	72829*	93652*			43580*	43708*
	45985	46003	swine		104834	104889	53853*	53863*
	35992*	87303*	4558*	52645*	61760*	72956*	74137*	84259*
Florida		67036	72981*	82968*	104812*		106275*	
Germany	56696	56695*	Brazil		22990*	Australia		106389
	108596*		Japan		93850*	Italy		95889*
Great Britain		8006	Netherlands		63257	Japan	33656*	43530*
	87305	108595*	resistance	82998	104935	Norway		2901*
Illinois		80184	USSR		63286*	Poland		95801
Netherlands	45983*	45986*	USSR	3170*	61812*	Sweden		24185*
	46009*	46028*	Toxoptera aurantii		63613*	USSR	5875*	33668*
New England States		35979	Toxoptera graminum	42624	42639		70724*	74149*
Poland	27012*	76535*	53387	63537		Europe		43709*
Surinam		87308*	Toxorhina		63985	France		43687*
Switzerland		56673*	Toxorhynchites brevipalpis		4740	fuels		33796
Town meetings SEE Government, local			Toxorhynchites brevipalpis conradi		23722		43715	74164
Toxaphene			Toxorhynchites kaimosi		23722		5860*	24184*
cattle pest control		63516	Toxorhynchites rutilus septentrionalis		33222		53832*	106386*
cotton pest control		105189			4740	garden		43692*
determination		83233	Toxorhynchites splendens		99112	Bulgaria		24192
in milk		6427	Toxotrichum n g		69164*	designs and specifications		43717*
toxicity	91960	103681	TPN SEE Codehydrogenases		26934a	Germany	15267*	43717*
Toxascaris leonina		41784*	Trabert method		26934a	marketing	24176	84611
Toxic fat disease		104306	Trabutia butleri		26934a	mountain areas		15267*
Toxic liver dystrophy SEE Liver dys-			Trace elements SEE Minor elements			operation		5858*
trophy			Trachea			Germany	15245*	15246*
Toxicodendron radicans	20256	21815	cattle		103875*	handbooks		15243*
	39472	90689	dogs		72394	hazards and safeguards		5643
anatomy and physiology		48355	insects		53163		64342	95932
biochemistry		10261	Odonata		106107		24189*	43682*
control	20264	29242	Pneumoridae		23934		53872*	60882*
Toxicodendron vernix		90689	poultry		4178	Australia		74148
Toxins		24368	Schistocerca gregaria		106107	Norway		15257*
	26005	26031	sheep		42163	USSR		24172*
	53479	54244	Trachelomonas	17868	77457	history	29861	64575
	99486	100281		57700*			64547*	
	8553*	32161*	Trachelophora		42962*	Hungary		33802*
	92020*	92034*	Tracheobronchitis		62530	in forestry	2868	61298
	104905*		Tracheomyia macropi		73654		40431*	40526*
effects on Galleria mellonella		94798	Tracheoniscus rathkei		5090		102446*	102517*
effects on Locusta migratoria migra-		106084	Trachodinae		94993	Finland		71200*
torioides		48608	Trachydium		98918	Germany		60882*
in plants		94767	Trachymyrmex septentrionalis		43326	industry		43416*
properties		18045	Trachymyrmex zeteki		33349	France		84592*
reviews		42116	Trachyspermum		8729	Germany	84592*	106381*
sources			Trachyspermum ammi		11143	East Germany		5707*
SEE ALSO Antitoxins			Tractors	17941	15273*	Poland		53842*
Toxocara canis	31575	41875	associations		84628*	Italy		84620*
	92751	62569*	Bulgaria		74158*	Japan	33804*	33820*
Toxocara cati		52639	cabs	64342	5869*		71394*	
Toxocarosis SEE Ascariasis				53861*		lubrication	53852*	74160*
Toxochernes panzeri caucasicus		94744*	caterpillar		53858	maintenance and repair		15265
Toxoplasma	91968	52062*	construction		64570*		43697	5853*
reviews		21857	cooperative use		53844		106416*	
Toxoplasma gondii		31278		33827*		Australia		53838
	63257	104834	costs and returns		33796	China	106387*	106388*
	72412*	72829*		106396*	95937		106406*	107410*
	83264*	92498*	Bulgaria		64559	costs		33790*
reviews		82494*	California		61298	Czechoslovakia		5870*
Toxoplasmosis	51596	41324*	Germany		84627*	Germany		95943*
	61850*	103154*	East Germany	5847*	33790*	East Germany	5847*	5865*
cats		62503*	Hungary		74157*		5880*	15243*
reviews		62497*	Japan	33801*	64564*	Ghana		53831
cattle	61760*	92498*	New Jersey		15241	Japan		33799*
Chile		51563*	Norway		84603*	Rumania		15272*
chinchillas		52074	Sweden		84608*	Sweden		5871*
diagnosis	3207*	61743*	USSR	15249*	95942*	USSR	15250*	33586*
dogs	52028	104023	Czechoslovakia	84343*	24183*		64353*	84346*
	52057*	62503*	depreciation	95937	64572*	marketing		15259*
		92691*		106396*		Morocco		84595*
Argentina		92706*	designs and specifications		15255	Netherlands		15236*
diagnosis	3790*	92705*		74159	84613	New Zealand		15264
transmission		31733*		74152*	15252*	Nigeria		33821
USSR	3863*	62518*	deterioration		15269*	Northern Rhodesia		108213
ducks		42054*		64543*	74157*	Norway		7720*
foxes		3933*	diesel		33796	operation	5877	5881
geese		82651*	directories		24175		24191	24194
Iowa		41335		106223	73958*		64552	64577
man		52028	effects on soils		84618		84633	95947
mice		31733*		29464*	64565*		106400	5737*
reviews		82494*		90830*	70420*		15252*	15263*
poultry		62776*					24188*	24297*
	62891*	104401*					43721*	53837*

\*Text of this reference is not in English.

	Item				Item				Item					
Tractors-- Cont				Tractors-- Cont				Trade-- Cont						
operation-- cont				SEE ALSO Logs,hauling, by tractor;				French West Indies						
53875* 64407* 64539* 64541*				Machine tractor stations; Repair and				Germany	87680	108898	46356*			
64557* 64558* 74150* 84610*				technical stations; names of parts				Great Britain	8219	15361	45747			
84627* 95941* 95948* 106399*				Trade				56997	36211*					
Australia				Africa	87220	87695		history	17198	36219	87670*			
Denmark				agreements and treaties		8199		Hungary			46372*			
Germany	5876*	43703*	95864*	8202	8225	8240	8257	Iceland		46402*	67312*			
East Germany			53701*	8278	8303	17149	17155	India	8243	8299	17145			
Hungary		64566*	95936*	17165	17187	17201	17202	17162	27261	36264	76789			
Japan	24086*	24092*	24179*	27191	27195	27263	27275	76804	76839	76840	98319			
24193*	33648*	33667*	33788*	27277	36185	36186	36192	108811	108822	108845	108859			
33792*	33797*	33799*	33810*	36193	36228	57039	67365	108883	108884	86905*				
33811*	33814*	33817*	33819*	67384	76745	76750	76833	Indonesia			67390			
33823*	33826*	64431*	64432*	76835	87621	87634	87672	international	8207	8244	8293			
64438*	64545*	64554*	64555*	87677	108821	108833	108857	8296	17174	17192	27243			
64562*	64563*	64567*	64569*	108880	108894	108903	108909	27250	36216	46350	57012			
Maryland				27187*	46368*	46374*	56970*	57029	57035	57046	57055			
mountain areas				67296*	76730*	76788*	87618*	57056	67293	67294	67333			
Netherlands				87630*					76742	76757	76762	76763		
Sweden				Africa					76805	76836	87626	87629		
USSR	5875*	33651*	74171*	Canada					87634	87635	87654	87693		
74173* 84361* 84621* 95699*				European Economic Community					87701	87722	87723	87730		
				27238 46381 46401 108852					98254	98261	98270	98306		
Pakistan				8233* 57001*					107558	108258	108826	108835		
parts	15248	15251	64537	Greece					108837	108858	108876	36199*		
64552 74156 84604 84633				New Zealand					46405*	46411*	57004*	57067*		
95953 5851* 5853* 5878*				Asia	17199	76803	76832	66624*	67289*	67295*	67344*			
15242* 15244* 15261* 24177*				98271					67347*	76755*	87655*	87662*		
43525* 43683* 43685* 43726*				Australia	17140	36273	46354	associations						
64540* 64573* 64574* 73964*				87672 87701 108897					policies and programs					
74162* 84596* 84599* 84607*				Austria					36268*					
84625* 95916* 95940* 95946*				Belgium					statistics	76758	76828	76830		
95947* 106385* 106391* 106394*				Borneo					Iran					
106409* 106415*				British Commonwealth					Ireland					
Poland									Israel					
policies and programs				Bulgaria					Italy	87661	98298	36266*		
15083* 95955* 64556* 64557*				Canada	8232	8250	24338	Jamaica						
power lift 53867* 64556* 64557*				27214 35435 76736*					Japan	8300	27222	36293		
84606* 106407*				Ceylon					46410	67358	76749	87664		
power take-off				Chile					108885	35418*	36223*	36254*		
43720 106404				China					36297*	46397*	46398*	87662*		
prices				Colombia	108893	27194*	87696*	108862*						
purchasing	95938	33822*	43690*	108083*					Kenya					
53845*--53847*	64571*	95956*		conferences and congresses					Korea					
remote control	84613	84617		56993 67389 76829 76834					Latin America	76803	76834			
5854* 43712*	64544*			87717 98287 67331*					87614	36257*				
seats	84612	5859*	43713*	Denmark	76722 27192*	36214*		legislation	36209	36296	76744			
84632* 95934*				76746* 98276*					87651	108838	46426*			
second-hand 24186*	64572*	74163*		developing areas	76833 87723			Luxembourg						
situation and outlook	53829*	84600*		108033 108045 108827 67344*					Malaysia	67277	67381	67390		
106397*				76791* 87631* 97767*					Mexico					
Southern Rhodesia				directories					Netherlands	17172*	106627*			
standardization	84616*	53869*	73964*	Dominican Republic					New Zealand	36189	46354	46403		
statistics				Europe	17141 67291 76813			108899						
43706* 54373*	95931	106412		87721 108833 8275*					Nicaragua					
storage				108890*					Nigeria	8287	108895			
study and teaching	33785*	43714	53841	European Economic Community					Pacific area					
Sweden				17136 36192 46383 46392					Pakistan					
tests	5866	24194	43704	46399 87614 87671 98309					Philippines	27220	36261			
53843* 53867*	64565*	84624*		108860 46395* 46427* 57002*					Poland	76736*	76841*	87622*		
France				57004* 87696* 87698*					87709*					
Germany	5857*	5862*		98279* 98302*					policies and programs	8238	8254			
East Germany		74170*		Far East	17199	67288	76832	8273	17182	27181	27208			
Japan	33786*	43702*		98271					27219	27237	27256	36200		
Nebraska				foreign					36206	36207	36236	36267		
USSR				8256 8272 8295 8301					36284	36292	36294	36300		
types	24175	43694	43727	17137 17141 17175 17196					56979	57006	57019	57061		
74164 95812 43724* 53879*				27186 27232 27236 36202					66724	67293	67308	67309		
106403*				36206 36235 36245 36267					67384	76726	76742	76766		
China				36270 36287 36293 46351					76773	76786	76805	87624		
Germany	5851*	5879*	15256*	46359 46377 46384 46392					87647	87650	87693	98255		
84627*				46420 46424 54169 56964					98258	98270	98325	98332		
Great Britain				56972 56973 57015 57035					108839	108842	108843	108848		
Hungary				57041 57042 57057 66337					108851	108853	108872	109215		
Italy	53862*	64325*	64560*	67269 67276 67282 67283					36199*	57014*	57037*	87655*		
Japan	33800*	33805*	33814*	67288 67291 67294 76325					98269*	98272*				
33817* 33818* 33822* 43537*				67378 67379 67380 76738					Africa					
43543* 64548*				76787 76803 76813 76838					Asia					
Netherlands				87668 87671 87673 87675					Australia					
Northern Ireland				87680 87682 87699 87700					developing areas					
Norway	15254*	84603*		98258 98320 98328 108810					Europe	84963	27227*			
Sweden	84608*	102866*		108885 108892 108893 108895					European Economic Community					
USSR				108896*--108901 8275* 17172*					36248 76759 36232*					
95942*	15274*	43689*	53882*	46427* 57002* 67292* 98259*					Far East					
				bibliographies					Germany	67273	84859*	56975		
				statistics	98326	98327	98329	Great Britain						
				France				Japan						



	Item		Item		Item
Trade-- Cont		Trade-- Cont		Transferase	19313 28310 69202
policies and programs--cont		statistics--cont		75380	100702 107246
Nepal	98304	Singapore	8282	Transferrin	3554 4357 6359
New Zealand	27232 98333	Southern Rhodesia	17184	12797	12829 24817 31079
Spain	66704	Spain	67270* 87702* 108865*	32476	41407 41832 92172
United Arab Republic	98325	Sudan	27269 74556 76823	104574	81947* 82450*
Vietnam	67374	108888		Transglucosydases	
research methods		Sweden	76825*	Transhumance SEE UNDER Cattle;	69189
statistical	57017	Switzerland	27270* 27271*	Sheep	
Singapore	67277	36283* 67371* 108865*	108889*	Transhydrogenase	59023 79001
situation and outlook	7739 17164	Syria	87713	Transmethylation	103188*
57015	67316 76761 36238*	Taiwan	27272	Transplanters	12124 84435 84454
Spain	97703 7576*	Tanganyika	27199 76751	Transportation	106639
statistics	8271 8296 8302	Trinidad and Tobago	36289	by air	54169 64810 87724
17174	27276 36291 46351	Turkey	17197*	87725	87726
57055	57056 67380 76760	Uganda	27199 76751	by cable	43710*
76836	76838 87724 87725	Venezuela	34224*	by rail	15427 34042 34074
87726	87727 102847 34208*	Yugoslavia	57066*	64805	74387
36205*		Zanzibar	8309	Europe	74421
Afghanistan	67266 76720	subsidies	7822 17138 76227	Mexico	74384*
Africa	56977* 67281*	86937		South America	106635*
Argentina	36181* 56955*	Switzerland	84884*	by truck	34076 64788 64815
Australia	6237 36182. 36183	Tanganyika	108896	74392	96125
46352	87612	terminology	36216	directories	34070
Austria	87683 76725*	Tropics	15483	by water	64790 15423*
Barbados	108813	Tunisia	56285	statistics	6093 6094 15428
Brazil	15500* 17139* 76734*	Turkey	87684	36291	57057 106640
British Commonwealth	8228	Uganda	108896	France	27205*
Burma	98257	USSR	87682 17151* 17188*	Italy	36288*
Cameroon	76729* 76739*	36286* 67275* 76791*		Morocco	17171*
Canada	46359 87620	USSR bloc	36294 46372 67269	Canada	84908
Caribbean area	67279	87679 108858 108890*		China	74424
Colombia	27193* 108818*	Venezuela	108900 108901	cooperative	43993 44014 44015
Costa Rica	8208* 55557*	Western Hemisphere	27182	44025	64785 74385 84846
Cyprus	36194	Yugoslavia	36267 87711	96125	
Denmark	108865*	SEE ALSO Barter; Customs unions;		costs	54172 96125 106634
Ethiopia	34201	European Common Market; European		15430*	43987* 84619*
Europe	8283 27244 67377 27262*	Free Trade Association; Tariff; and		equipment	15262* 24039* 43710*
European Economic Community		UNDER specific subjects		France	84838* 84855* 84873*
Fiji	108904	Tradescantia		84894*	
Finland	108830	biochemistry	1381	Germany	26606* 106622*
France	17144 8220* 27205* 36204* 67290*	cytology	754 58206 58240	East Germany	106211* 106630*
Germany	87636* 87637* 17146* 17147* 27209* 36217* 36218* 67298* 67299*	89171		Italy	34077*
Great Britain	8228 46359	genetics	18704 27766	labor	97660*
Greece	108865*	morphology	68603	legislation	24438
Grenada	17150	pollen	58278	on the farm	43711 74154*
Guatemala	27213*	Tradescantia albiflora	27618a*	Bulgaria	74158*
Hungary	34207	Tradescantia discolor SEE Rhoeo discolor		France	84619*
Iceland	87683	Tradescantia fluminensis	58486 882*	Germany	5856* 95945*
Iraq	76775	991* 1070*		East Germany	15270* 84597*
Ireland	8242 87657 87658	Tradescantia paludosa	68510 9408*	Hungary	5872* 24166* 24187*
Israel	46379	Tradescantia reflexa	37817*	43688*	53849* 64561* 95954*
Italy	36225* 36288* 67376*	Tradescantia virginiana	58359 78128*	Italy	74161*
Jamaica	36229	Tradescantia viridis	19097* 58799*	Japan	33795* 33815* 33824*
Japan	17159 27224 108844	Tradescantia zebrina SEE Zebrina pendula		33829*	33830*
Kenya	27199 76751	Trading in futures SEE Futures trading		mountain areas	95958*
Korea	106734*	Trading stamps	54573 96123	Netherlands	15262* 53851*
Liberia	36242	Traffic	64322* 73911*	reviews	5864*
Malagasy Republic	17167* 56977*	Tragardhula	105598*	Sweden	53839* 76408*
Malawi	17184	Tragocephala	5146 33087 33320	Poland	8404*
Malaysia	8253 36247	Tragoceros	8759	policies and programs	34049 74392
Mexico	8196* 8255* 108812*	Tragopogon SEE Salsify		refrigeration	25386 44009
Morocco	17171*	Tragosoma depsarium	94969*	44027	55466 55994 74387
Netherlands	87683	Trailers	53835 74256 53876*	74846	15423* 54158* 54180*
New Zealand	8262 67332	equipment		84880*	
Nigeria	8263	Germany	24174*	Australia	75350
Northern Ireland	8264	East Germany	84630*	Italy	15965* 15966*
Northern Rhodesia	17184	hazards and safeguards	84253*	New Zealand	107618
Norway	36258* 87683* 108864*	Japan	33787* 33808*	reviews	43992
Panama	17176	operation	53859	Rumania	96553
Papua and New Guinea	17177	parts	15260*	USSR	35045*
Peru	67339 76795 76796	types	24180*	regulation	34067 54183
Poland	57026* 67342*	Trametes quercina	409*	research methods	
Portugal	8270* 24578* 87690*	Trametes versicolor	9895* 38160*	linear programming	25604
108869*		Tranmal	31149 41486	statistical	34133
Puerto Rico	87727	Tranquilizers SEE Sedation; and names		situation and outlook	15426 96141
Republic of South Africa	27257	of sedatives		statistics	8242 36205* 87637*
36269	57036	Transaminases		SEE ALSO Containerization; Freight	
Saint Vincent	27259 67355	in Aedes aegypti	43145	rates; and UNDER names of commod-	
		in Agaricus hortensis	1370* 10216*	ities	
		in beans	15930	Tranlylcypromine	22529 41977
		in blood	3957 32674 63120	Tranzschelia	212
		103957	13073*	Tranzschelia discolor	9026
		in grain	85907*	Trapa bispinosa	14085 105043
		in plants	100583*	Trapex SEE Methyl isothiocyanate	
		yeasts	69022* 89868*	Traps SEE Baits and traps	

\*Text of this reference is not in English.

	Item				Item				Item		
Traumatic peritonitis			31359*	Trees-- Cont				Trees-- Cont			
Traumatic reticulitis			12702	China		47612*		fungus diseases--cont			
camels			13130*	climbing		60880*		USSR		99429*	
cattle	92487	103822		Colombia		77329*		West Virginia		9021	
	22192*	22269*	31301*	control		50264*		Gabon		70976*	
diagnosis			13177*	California		61075		genetics	50864	50896	61147
treatment			12962*	chemical	11077	21216	21237		71287	81101	81103
Traumatic reticuloperitonitis			22168*		30321	30346	91557		91570	102656	102668
Treaties SEE Trade, agreements and				Australia			91555		102673	102727	102740
treaties; and SUBHEAD agreements				California			29289		102763	2824*	81138*
UNDER specific subjects				Indiana			71179		conferences and congresses		102641
Trechidae SEE Carabidae				Latvia			102574*		102765		
Trechinae			53269	USSR		49486*	102592*		research methods		
Trechini	94829*	94846*	94885*	Michigan			71181		statistical		61166*
	94886*			West Virginia			30316		research programs		40635
Trechispora brinkmanni			51144	crowns	21168	47618	71322		Georgia		46823
Trechnites insidiosus			63633		81246	21164*	21169*		germination	21292	50850
Trechus	83825*	94884*	94885*		50899*	102508*	50838*			102606	21301*
Trechus quadristriatus		5182	33107	cytology		9473	78200			91572*	37941*
Trechus secalis			23605	Czechoslovakia			8709*		girdling		2807*
Tree farms	30563	60901	61009	desert areas		10105	46847		growth	2766	2786
	71012	71049	91431	diseases	57779	68057	77536			10105	21168
	102437		91493		77630	99154	99176			27848	21238
Treefern SEE Alsophila; Cyathea				Alabama			77586			28000	28004
Treehoppers SEE Membracidae				Austria		12150*	68042*			30243	30265
Trees			78130	California			88568			71256	71272
abnormalities			46915	Canada		77629	88570			80998	81167
Africa			61019	conferences and congresses			99250			91566	12003*
age	12015	21282	50783	control	17936	68073	88657			40560*	40582*
	81101	81209	89720		99151	99237	27003*			50981*	61561*
	91577*		71030*	Australia			37091			102483*	102746*
anatomy and physiology			974	California			88569		Argentina		61144*
	2793	9693	10105	Germany		27003a*	88591*		bibliographies		51371
	18530	18855	27460a		99170*		18043		Canada		9693
	27879	27915	27921	Massachusetts			68089*		conferences and congresses		28001
	28000	28004	28015	USSR	68088*		77864*		Denmark		61033*
	28077	28154	28251		99262*		26999*		Finland		50783
	30382	30387	48270	Czechoslovakia			88610*			21210*	21228*
	50850	50853	50854	Germany			57822		Germany		9894*
	58568	58730	58762	East Germany			88561*		East Germany		100367
	61150	61210	68775	Great Britain			99144		Nigeria	68961	78746
	68839	69141	70340	Hungary			47063*		North Dakota		30312*
	78677	78882	81096	India			99185		Norway		50783
	89752	91567	91590	Italy			8925		research methods		50783
	99931	100094	100135	Japan			57829		statistical		91600*
	100291	100367	100482	Kenya			77607		reviews	46	68787
	100517	100554	100556	Latin America			18037		Tanganyika		21149
	102606	14291*	18535*	New York		8959	40553		Wyoming		21282
	18984*	19002*	28017*		77629	99243	37069		hardiness	2854	40676
	37985*	38052*	38057*	Northeastern States			68032			68777	21336*
	40680*	48442*	50838*	research methods			47190		history		102554
	68854*	68866*	68967*	statistical		294	8926		hybrids		30407
	71283*	71296*	78449*	reviews			61207		identification		26879a
	78570*	78639*	78825*	Southern States	8962		99193			46935	77333
	83163*	89523*	89608*	study and teaching			50868		Illinois		46866
	91576*	100159*	100385*	Tanganyika			30717*		in literature		11894*
reviews			38115*	transmission			67844*		in philately		70931*
Australia			41036	Yugoslavia			26841a		in religion		40428
Austria			8697*	drought resistance	9822				India		9473
bacterial diseases		47380	99455*		68967*				injuries	9789	12450
	99561*			dwarf	29007	17769*	49168*			50935	51070
biochemistry		100588	100652	ecology	58155	99735	30717*			81206	81207
	69234*				58165*	78031*				Great Britain	30435
breeding	30396	30407	40993	Estonia			67844*			New England States	4922
	50896	102656	102747	Ethiopia			26841a		introduction		21328
	102768	2824*	71261*	fellings SEE Logging; and SUBHEAD					Argentina		61144*
	91568*		81138*	harvesting UNDER names and					Europe		102639
conferences and congresses			102704	classes of trees					Germany	30301*	41170*
Czechoslovakia			71278*	fertilizers	40002	50762*			Great Britain		57568
Finland			61107			68470*			Sweden		102677
Germany		81143	102720	fossil SEE Paleobotany					USSR	61097	61116
	81105*			fungus diseases		9143	47212			71157*	98755*
East Germany	21280*	21305*			47299	47423	58015		Yugoslavia		91594
Great Britain		30394			99293	9160*	68159*		irrigation		70707
Hungary		2848*		Austria			99455*		Italy		47626*
Japan		30373*		California			99410		killing SEE Trees, control		81335
Korea		102668		conferences and congresses			37360		marking	12316	21376
Netherlands		81143		control	18191*	77700*	27183a*			Canada	30563
New Zealand		71293					47293*			Finland	2907*
North Carolina		81145		Czechoslovakia			47339*		measurement SEE Forests,		50743
Poland		61112*		France			430*		morphology	18507	18569
research methods				Poland			68176*			58218	78130
statistical			102728	Taiwan			47422*			50899*	51338*
Scandinavia			81143	USSR			47326*			78096*	68430*
Sweden			91608*				77710*		conferences and congresses		100019
USSR		81173	21329*	Denmark			47380				
California			57622	Italy			68207*				
Canada		11981	12082*	Japan							
				New Hampshire							
				Poland							

\*Text of this reference is not in English.



Item				Item				Item			
Trees--Cont				Trees--Cont				Trees--Cont			
mortality	21282	81209	105366	provenance--cont				seeds	50849	61109	61123
50867*				California		81093		61139	61177	102760	2833*
mountain areas		46847	50981*	Canada	21256*	61137*		71222*	71261*	89022*	91561*
names	46915	57446*	57641*	Chile		30301*		91589*			
nematodes	517	88942	27383a*	Corsica		71595*		Australia			40637
27384a*	27385a*	99714*		Czechoslovakia		102757		Austria			71273*
New York			77342	30428*	102736*			Bulgaria			102694*
New Zealand			28251	Denmark	2829*	12082*	30366*	care and handling	71287		81153
nomenclature			57641*	Europe		91581	102729	certified		50906*	50928*
notable SEE Notable trees				Germany	60906*	61129*	81115*	collecting		50839	61145
nutritional deficiencies			14283*	Iowa			102647	81158	12104*	12112*	12126*
	61090*			Italy			71592	71230*			
ornamental SEE Ornamental trees				Japan			91584	collecting equipment	12073		21277
pest control		83579	105353*	Massachusetts			102708	50840*			
chemical	94465	94471	105372*	Mexico			12122	directories			81180
Japan			52936	Michigan			30431	drying			61120
Kenya			83578	Mississippi			102743	extraction			30421*
Massachusetts			18043	North America	30377	102662		Georgia			30425
New Jersey			32918	Northeastern States			71165	Great Britain			30394
North Dakota	50933		50949	Northern Rhodesia			61170	Hungary			12108*
Yugoslavia			94473*	Norway	102636	102722		injuries		21298*	40704*
pest resistance				21306*	81087*			Japan			71248
reviews			83580*	Pacific Northwest		61137*		Lake States			21308
pests	53158	81206	42760*	Poland		30422*		Norway		21296*	40618*
Australia			42781	Rumania		102638*		Pakistan			40637
ecology			84220*	Sweden	37774	102636	102677	pest control			63730
Europe			83568	102682	40596*			reviews			61204
Florida			105405	Uganda		40662	40663	pests	81188	2860*	105529*
habits and behavior			42970	USSR	102713	50889*	71257*	Poland			30423*
India			4908	27794		9160*	40605*	prices			21296*
Mediterranean area			83568	conferences and congresses			91539	processing			12104*
Netherlands	23383*		83543*	New Zealand			21220	purchase and sale programs			50918*
New York			52989	Republic of South Africa			40610	quality			50926*
Nigeria	14281	105359		91546				research methods			
surveys		14377*		pruning equipment		91549		statistical			102638*
Switzerland		50938*		rings	8619	11989	12457	reviews			71267
USSR	53034*	83574*		17517	26763a	27460a	36638	size			50834
Yugoslavia		94459*		50659	50660	51347	51359	storage	21276	61105	81172
Philippines		71583		81206	81578	81585	81615	12091*			
physiological diseases		78486		88156	88158	91769	98790	tests	81166	81122	102758
	48384*			11993*	17555*	21712*	30717*	102766			
plant parasites	20295*	21241*		36624*	40539*	41166*	41172*	treatment		12090*	21301*
planting	40629	71222*		46747*	61000*	81623*		40689*	81146*	99561*	
Australia		21283	102675	reviews		46	77176*	viability		2845	50833
Czechoslovakia			30432*	seed orchards			61183		98755*		
Germany	30375*		61163*	Germany	12123*	91576*		weight and measurement			81101*
Hungary	50913*		61122*	East Germany	12125*	50928*		102638*	102687*		
Iceland			30405*	Hungary		91591*		yields	21250	21308	81123
Illinois			12064	Latvia		102645*		12084*	12112*	12126*	40627*
Ireland	91495	91580		Minnesota		50676		50926*	71223*	71231*	71247*
Japan		30400*		Norway		40639*		102671*	102695*	102721*	
Kentucky		29652		Poland		21284*		shade SEE Shade trees			
Mississippi		71318		Uganda		40663		size	50783	89720	91504
mountain areas		61165*		USSR	21323*	50828*	50869*	71135*			
Netherlands		71263*		102648*				soilless culture			21293
New Jersey		30389		Yugoslavia		12136*		soils	60254	100005	71228*
New York		50842		seedlings	9822	12124	61179	78639*	90926*		
Pacific area		91566		71221	71246	89037	100249	street and roadside		1871	1890
policies and programs		50897		100367	30287*	47293*	61122*	40002	49190	101351*	
South Carolina		21242		91600*				California		1827	1832
Sweden		91575*		anatomy and physiology		1146		1836	1862	10804	
Tropics		61114		2844	21288	21293	27998	Canada*			69912
USSR	102604*			30413	40667	40675	50791	Germany			90453*
planting equipment	12124	12137		50795	50874	50875	50930	Hungary			79601*
40673	61148	61176		61099	61124	61133	81164	Lithuania			49265*
12094*	12131*	30378*		102735	2831*	12090*	47928*	Norway			39287*
pollen	61123	102740		50832*	50872*	50889*	81140*	policies and programs			1818
pollination			91572*	81161*	102594*	102683*	102734*	1896	1910		
propagation			61123	care and handling		61172	21275*	pruning		1867	1884
by cuttings		61180		21303*	30391*	61152*		Switzerland			56673*
28017*	30418*	40646*		Czechoslovakia			12131*	USSR		10840*	19778*
91577*	91597*		50838*	grading and standardization			61101	varieties		39220	79594
mist humidification		12088		Iceland			30405*	Sweden			17691*
by grafting and budding		27838		injuries		30386	81197*	Taiwan			17728
81104	78096*	102646*		mortality	71242	81111	81117	Tatra Mountains			98968*
provenance	2839	9690	12406	81152	61045*			taxonomy	27415a	71574	78200
21658	27848	30430	47808	Norway	102642*	102724*	102725*	91741	36866*		
50849	50896	61103	61119	packing	30386	71251	102642*	Tropics	18569	100094	3010*
61124	61142	71522	81127	102724*	102725*			36866*			
81183	81187	91571	102657	prices			21296*	USSR		46813*	77409*
102661	102670	102716	102738	storage			21311*	varieties		91594	102768
102758	102760	102766	102767	Sweden			102616*	Arizona			102554
21325*	50907*	61134*	61169*	Switzerland			50855*	Australia		50894	61049
91561*	102618*	102712*		thinning			30333*	Canada			102501
Appalachian Mountains			12132	transportation			102724*	France			61594*
Australia			30383	USSR			24093*	Germany		41170*	61034*
Belgium			71234*	weight and measurement			102714*	Great Plains			40718

\*Text of this reference is not in English.

	Item				Item				Item		
Trees--Cont				Tribolium castaneum--Cont				Trichlorfon--Cont			
varieties--cont				habits and behavior		4899		effects on livestock		105096*	
Hawaii		57639		larvae		105660		effects on Musca domestica		105063*	
Philippines		51262		nutrition	105660	105661	105346*	effects on plants		73102*	
Rumania		2755*		Tribolium confusum				effects on Populus		105355*	
Southeastern States		29020		anatomy and physiology		14514		fly control	73168*	94217*	
virus diseases	68304	47475*		33083	94946	105676		formulations	73168*	105063*	
SEE ALSO Christmas trees; Coni-				biochemistry		63920		goat pest control		4763*	
ferae; Forestry; Forests; Hardwoods;				control	14230	42735	63373	guinea pig pest control		105116*	
Nurseries, forest; Silviculture;				83516				horse parasite control		62606	
Tree farms; Windbreaks; and names				development	42960	63915*	83847*	31686*			
of trees				dissemination			43002*	livestock pest control	4694	31429	
Treflan		29186		genetics	14514	23611	33104	manufacture		83164*	
Trehalose		1348	105943*	73595	105678			mite control		4659*	
Trehalose	14341	84163	73453*	habits and behavior		13909	73603	Pinus pest control		105404*	
Trellises	1801	1813*	28906*	43002*				plant pest control		4659*	
33655*				insecticide resistance				poultry pest control		105116*	
Trembles		83020		life history		53245		rabbit pest control		105116*	
Trembling aspen SEE Populus				metamorphosis		63915*		sheep parasite control		4421*	
tremuloides				nutrition		14550	63109	sheep pest control		52787*	
Trembling disease, sheep SEE Scrapie				parasites		42987	63979	swine parasite control		13856*	
Tremella		37003*		populations	33104	73595	73603	52592*	52787*	72979*	
Tremellaceae		17907*		research methods				swine pest control	72979*	94043*	
Tremellales	37003*	37006*	88548*	statistical		73603		94126*			
Tremetol		6435		Tribolium destructor	33125*	83873*		synergism		83252*	
Tremex columba		64166		94924*	94925*			tick control		63488*	
Trench fever		52820*		1,2,3-Tribromopropane		83511		tree pest control		105355*	
Trentepohlia		63985		Tribulus terrestris		29165	29319	1,1,1-Trichloro-2,2-di-(p-chlorophenyl)			
Trephisa n g		14549		32608				ethane SEE DDT			
Tretamine	23699	37644	89820	S,S,S,-Tributylphosphorotrithioate		878		Trichloroacetic acid SEE TCA			
92707	94076	92707*		55626	10409*			2,3,3-Trichloroallyl-di-isopropyl-thiol-			
Trewis nudiflora		103022		Tricarboxylic acid cycle SEE Citric acid				carbamate			
Tri-ortho-cresyl-phosphate		23045		cycle				39460	39532	39554	101549
Triacanthine		48359		Trichachne		17796		29220*	70099*		
Triadenodes		106130		Trichantha		8727		Trichlorometaphos-3		14058*	
Triadenodes reuteri		5608*		Tricheremaeus		14439*		Trichloromethyl group		77677*	
Triadenodes simulans		53574		Tricheremaeus nemossensis		14439*		Trichloromethylthio-3 benzothiazolone		55154*	
Trialeurodes vaporariorum		5049		Trichia		47026*		Trichloromethylthio-3 benzoxazolone		55154*	
14223	42594*	52983*		Trichiinae		83893*	94951*	2-(2,4,5-Trichlorophenoxy) propionic acid			
Triallate SEE 2,3,3-Trichloroallyl-di-				Trichinella		93898	13824*	SEE Silvex			
isopropylthiolcarbamate				Trichinella spiralis		13842	32496	2,4,5-Trichlorophenoxyacetic acid SEE			
Triamcinolone acetoneidiae		13233		83099	104178	104182	104538	2,4,5-T			
Triancyr n g		53424		104886				2,3,6-Trichlorophenylacetic acid SEE			
Triandrin		10267*		Trichinellosis SEE Trichinosis				Fenac			
Triatoma	53417	52795*	105095*	Trichinopus		94861*		Trichlorophon SEE Trichlorfon			
Triatoma infestans		4701	4703	Trichinosis		72983		Trichocarpin		69254*	
32650	73147	105084		conferences and congresses		21854**		Trichocentrum panduratum		98975	
Triatoma megista SEE Mestor megistus				guinea pigs		104178		Trichocephalosis SEE Whipworms			
Triatoma protracta		4701	4769	Hungary				Trichocereus		57551	
42549	94176			man		12651*	72958*	Trichocereus candicans		26880a*	
Triatoma protracta group		53417		mice		93898	104175	Trichocereus macrogonus		39151*	
Triatoma rubrofasciata		42528*		104180	104182	104213	104214	Trichoceridae		94995	
Triatomidae		4769		104206*				Trichocheimys walkeri		95163*	
and disease		4701	3217*	rabbits			104538	Trichochlaenius		73555*	
Brazil	23136*	41273*	83259*	rats		32496	83099	Trichocolea		77435*	
Georgia		4703		Southeast Asia			21852*	Trichocoleopsis sacculata		647*	
bites		42549		swine		32543	72983	Trichoconis padwickii		47398	
control				104886				Trichoderma		88141*	
reviews		83243*		Africa			13842	Trichoderma koningi	2988*	100545*	
surveys		83259*		control			22961*	Trichoderma lignorum	37320*	99516*	
Triaxomasia n g		84182*		diagnosis		93865*	104811*	Trichoderma viride	19057	57924	
Triazine		39494		Kenya			32496	60220	68225	89238	96735
39524	49441	49786	70097	Sweden			82995*	18094*			
9913*	48263*	50808*	59980*	transmission		42327	13824*	Trichodes israelicus		83911*	
79854*	101474*			22143*	72958*	82995*		Trichodesma		67863*	
effects on oats		58870		treatment			83099	Trichodesma amplexicaule		58275	
effects on peanuts		37971		United Arab Republic			32418	Trichodiadema		77307	
effects on plants		89336		transmission			92026*	Trichodimeria n g		33502*	
in soils		90845*		treatment			103255	Trichodiplogynium		77901*	
as-Triazine-3,5(2H,4H)dione		58657		Trichiocampus irregularis			105898	Trichodorus			
89123	4182*	51530*	93274*	Trichiocampus viminalis			105898	Trichodorus allius	37510	99694	
99319*				Trichiopsammobius n g			94938*	Trichodorus christiei	37506	99726	
s-Triazine		11065	49441	Trichiorhyssenus			63909*	Trichodorus pachydermus		9253	
70094	70120	70172	70093	Trichius fasciatus			73552	Trichogalumna		73507*	
Triazine compounds		29210	29162*	Trichlorfon				Trichogramma		14797	52873
reviews		2008*		application		105355*		42717*	52919*	64150*	84079*
Triazone		34524		aquatic insect control		63384		105324*			
Tribeloccephaloides n g		95261*		cattle parasite control		4421*		Trichogramma australicum		42579*	
Tribolium	5118	14557	42743	62222*	72166*	72289*	72309*	Trichogramma cacoeciae SEE Tricho-			
42862	73595	105340		cattle pest control		4741*	14037*	gramma embryophagum		64150*	
Tribolium castaneum				14056*	52787*	52813*	63524*	Trichogramma cephalciae		42718*	
anatomy and physiology		14514		83252*	83278*	94054*		Trichogramma embryophagum			
33083	105688			cherry pest control			105278*	84090*	95292*	95322*	
control	4890	14229	63682	dosage	73168*	105063*		Trichogramma evanescens minutum SEE			
83498	83503	105021		effects on Acarina			105192*	Trichogramma minutum			
development		73564	105346*	effects on cattle			73083*	Trichogramma japonicum		84092	
fertility			105658	effects on Collembola			105192*				
genetics		5209	14513	effects on dogs			14017				
33086	33122	33123	63974								
73564	73595	94965	105647								

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.



Item			Item			Item		
Trichogramma minutum	105871		Trichoptera-- Cont			Triethanolamine thiocyanate	3825	
42579*			Great Britain	23953	53574	Triethylenemelamine SEE Tretamine		
Trichogramma semblidis	95322*		Haiti		14953	Triethylenethiophosphoramidate SEE		
Trichogrammatidae	43216		India	106130		Thiotepa		
Tricholaba trifolii	33197*		Iowa	63384		Trifidaphis phaseoli SEE Smynthuroides		
Tricholaba vicarium	33197*		Israel	5608*		betae		
Tricholipeurus lipeuroides	73908		larvae	33490	23947*	Trifluoroacetic acid	24356	
Tricholoma	69173	26944a*	anatomy and physiology	33515	106145	Trifluralin	29325	34480 34702
Tricholoma gambosum	47010*		Austria	83933*		79835	90639	
Tricholoma tigrinum	19117*		Brazil	95665*		Trifoliolate oranges	27655*	79460*
Trichomanes boschianum	67892		habits and behavior	84222		Trifoliol		100641
Trichometasphaeria turcica SEE Hel-			Michigan	95611		Trifolium SEE Clover		
minthosporium turcicum			North America	95679		Trifolium alexandrinum SEE Egyptian		
Trichomonas	13540*	13882*	USSR	95644*		clover		
93187*	93294*		longevity	43345		Trifolium ambiguum SEE Kura clover		
Trichomonas canistomae		103963*	Madeira	106146		Trifolium fragiferum SEE Strawberry		
Trichomonas fetus	12606*	13167*	Maine	95603		clover		
81823*	93893*	103828*	metamorphosis	95647*		Trifolium hirtum SEE Rose clover		
Trichomonas gallinae		62911	Mexico	95612		Trifolium hybridum SEE Alsike clover		
Trichomoniasis			Michigan	95611		Trifolium incarnatum SEE Crimson		
cats		52047	Nepal	106131		clover		
cattle	31308	103717	nomenclature	14952		Trifolium medium SEE Zigzag clover		
3578*	13167*		North America	95619		Trifolium michelianum SEE Mike		
control		92601*	pupae	95679		clover		
diagnosis		92563*	rearing and breeding	95665*		Trifolium nigrescens SEE Ball clover		
transmission		92577*	Rennell Island	64283		Trifolium occidentale	99760*	
treatment	3363	13003	Republic of South Africa	106129		Trifolium parviflorum SEE Teasel clover		
41632	12817*	82270*	respiration	14987		Trifolium pratense SEE Red clover		
diagnosis		12606	South America	106145		Trifolium repens SEE White clover		
dogs		103963*	Tatra Mountains	95647*		Trifolium repens purpureum SEE		
ducks	4214*	93187*	taxonomy	43381*		Ladino clover		
mice		93187*	84225	14942	53562	Trifolium resupinatum SEE Persian		
pigeons	62911	93187*	types	14970*	95618*	clover		
poultry	4214*	93173*	USSR	64272		Trifolium subterraneum SEE Sub-		
93187*	93294*		United Arab Republic			terranean clover		
swine	92577*	93860*	Trichopterna cito			Triglycerides	66052	97181 97221
turkeys		93893*	Trichoptericoides gymnophthalma			97264		
Trichomycetes	33327*	77477*	Trichoptilus	53328*		analysis and composition	16271	
Trichophorum alpinum	98999*		Trichosanthos dioica	64210		26075	55684	
Trichophyton	79082		Trichoscelinae	29051		hydrogenation	55685	
Trichophyton equinum	105127		Trichoscelis coei	14592*		in animal physiology	52610*	
Trichophyton gypseum	28252*		Trichoscelis yugoslavensis	14592*		in blood	92568	
Trichophyton infections SEE Ringworm			Trichoscyphella willkommii SEE Dasy-			in coconuts	78987	
Trichophyton mentagrophytes	41865		scypha calycina	53573		in cottonseed oil	75744*	
Trichophyton mentagrophytes persi-			Trichosetodes			in fats and oils	55633	66047
color	104176*		Trichosporium tingens macrosporum			26057*		
Trichophyton terrestre	67945			94860*		in grain		7027
Trichoplusia ni			Trichosporon	6401	99105	in milk fat	15631	34330 74751
anatomy and physiology	5521		Trichosteresis		84111	85264		
biochemistry	64229		Trichostomum		77439*	in plants		19360
biology	53499		Trichostrongylidae		22802	properties		26075
control	23218	52836	Trichostrongylosis			Trigona bocandei		14323
94289			cattle	3585	72289*	Trigona freiremaiai		5463*
diseases	95446	95450	ruminants		72815*	Trigona (Frieseomelitta)		5463*
fungi	33447		sheep	22802	32232	Trigona postica		63732*
genetics	63417		42167	63059	72815	Trigona ruficrus		63732*
habits and behavior	73839		transmission		104665	Trigonalidae	14837	14838
insecticide resistance	63417		Trichostrongylus	63059	62376	Trigonella	58996	42246*
oviposition	53499		Trichostrongylus axei	3585	22214*	Trigonella coerulea	27471a*	37636*
rearing and breeding	95493		Trichostrongylus colubriformis		30886	Trigonellinae	78377	79077*
reviews	5516		Trichotheca		72835	Trigonobalanus n g	88302	89097
viruses	33403		Trichothecium roseum		94833*	Trigonophorus		94918*
Trichoprosopon digitatum	32723		34791*	48288*	68217	Trigonoscelus SEE Aphodius (Trigono-		
Trichoprosopon longipes	32723		Trichuriasis SEE Whipworms			scelus)		
Trichoprosopon theobaldi	32723		Trichuris suis	32522*	62900*	Trigonostreptus n g		83768*
Trichopsylla (Hemiptera) SEE Tricho-			Trichuris vulpis	31575	92701	Trigonotoma		94970*
chermes			Trichurus		17898	Trigonuncus		64237*
Trichoptera			Tricillin		81841*	Trigonurella n g		53408
Afghanistan		95666*	Tricladida		5052	3,5,7-Trihydroxyflavone		105470*
Africa	14986	14968*	Tricladium		88536*	Triiodothyronine	13676	103676
and disease		4731	Triclisia patens		19275*	103984		
Australia		95641	Tricorynus		43040	Trillium	9456	100189
biology		95665*	Tricresyl phosphate	15389	26137*	Trillium erectum	27624a	38563
breeding places		95664	49491*			89138		
Burma		106130	1,1,3-Tricyano-2-amino-1-propene		73641	Trillium kamschatcicum	681	89165
Central America		14953			154	89166---89170	68585*	
China		95631*	Tricyrtis ishiiana		95569*	Trillium ovatum		9456
control		63384	Tridactylidae	73860*		Trillium rivale		67871
Cyprus		106126*	Tridactylophaginae n sfam		106164*	Trillium sessile		9456
Czechoslovakia		73904	Tridactylophagus		106164*	Trilon		89562*
development		64283	Tridactyloxenos n g		106164*	Trimeprazine		71837
dissemination		43345	Tridax		57634	Trimeracarus n g		94713
ecology	95664	43365*	Tridax procumbens		696	Trimeracarus heptapleuri		94713
95665*			1-Tridecene-3,5,7,9,11-pentayne		100692*	Trimerotropis		5595
Ethiopia		53573	Fridenchthonius		23556	Trimerotropis agrestis hewitti		95590
France		53560*	Fridiplogynium		73522	Trimerotropis arenacea		95589
geographic distribution		84228	Tridynamia		57629	Trimerotropis citrina neomexicana		95587
95664	43365*							

\*Text of this reference is not in English.

Item				Item				Item			
Trinitrophenol			3686*	Triticum ispahanicum			88407*	Trombiculidae-- Cont			73532
Trinoton			23945	Triticum monococum SEE Einkorn				immature stages			53224
Triodonta			33077*	Triticum persicum		27536a*	89139*	larvae			5089
Triodonta normandi			33078*	Triticum spelta SEE Spelt				Malaysia		4723	
Triodontophorus nipponicus			82443*	Triticum timopheevi SEE Timopheevi				94789*			94754
Triodontopyga			64054	wheat				Mexico			53224
Triolein			75717*	Triticum turgidum SEE Poulard wheat				nymphs			4723
Trionymus			64091	Triticum vulgare SEE Wheat				populations			53224
Trionymus indecicus			64094	Triticum zhukovskiy		100084	89139*	taxonomy		14425	23565
Trionymus sacchari			14118	Tritium			75110	14483*--14485*		53225*	94788*
Triose-reductase SEE Reductone				effects on Drosophila melanogaster				94790*--94792*			
Trioxys angelicae			64158	in animal physiology		31264	53333	Texas			14459
Trioxys utilis		14743	95304	in entomological research			52458	Vietnam			5109*
Trioxa collaris			95170	in food research			33183	Western States			94754
Trioxa erytrae		23738	42651	in plant research			54104*	Trombiculinae			63881*
Triozamia n g			95262	in pulp and paper research			67719*	Trombiculini			23121
Triozastus			94931*	in water			73009	Trombidiformes		5071	63856*
Triozocera			95621	Tritneptis klugi			63721*	94677*		94708*	83777*
Tripe		25961	107603*	Tritonia		28977*	38198*	Trombididae			
Tripedotrichum n g			93111	48203*			38201*	Congo			53166*
Tripetaleia paniculata			19346*	Tritrichomonas fetus SEE Trichomonas				France			42904*
Triphaena pronuba			33414*	fetus			97230	nymphs			63845*
Triphenyl tin acetate		18942*	44620*	Trivernolin			61099	Republic of South Africa			63846*
61709* 63375* 68141*			99309*	Trizone			94861*	94675*			23548
Triphenyl tin compounds			105004	Trochalar			57650	taxonomy			105086
Triphenylmethyl			86289	Trochocarpa			134*	Trombidioidea		14490	73509
2,3,5-Triphenyltetrazolium chloride				Trochodendron				Trombidium tiliarium		14420	
SEE Tetrazolium compounds				Trochodidion SEE Uromyces				73515		73534	
Triphosphopyridine nucleotide SEE				Trodonta raymondi			105666*	Trombigastia SEE Riedlinia			
Codehydrogenases				Trogaspidia		33317*	95311*	Tropaeolaceae			36918*
Triplax			5206	Troglophilus cavicola			43310*	Tropaeolum			47539*
Triplax lacordairei			5206	Trogoderma			94816	Tropaeolum majus			27582a*
Triplax macclurei			23594	Trogoderma afrum		63681	63942	78919*			37475*
Tripodendron lineatum			32903*	Trogoderma glabrum			42737	Tropaeum			89853*
Tripogon			36873*	Trogoderma granarium				Trophallaxis		105877	23783*
Tripsacum		27726	47901	diapause			33080	23795*			
Tripsacum dactyloides			9595	ecology			83522	Tropical horse tick SEE Dermacentor			
47874 100222				excretion			23623	nitens			
Tripsacum laxum		28675	41203*	habits and behavior			53287	Tropical rat mite SEE Ornithonyssus			
Tripteriodes szechwanensis			105796*	interception			94446	bacoti			
Tripterocalyx micranthus			17751	nutrition		5195	14556	Tropical woods			
Tripteroides perplexus			5358	populations			14246	durability			81390
Tripteroides (Polylepidomyia)			5358	quarantine			94433*	grading and standardization			51353*
Tripterygium regeli			32582	Trogoderma khapra SEE Trogoderma				61588*			
Tripterygium wilfordii SEE Triptery-				granarium				identification			41145*
gium regeli				Trogoderma parabile		83519	94432*	measurement			60975
Tris (1-aziridinyl) phosphine oxide SEE				Trogoderma versicolor			83878*	properties		61595	21723*
Tepa				Trogulidae			23571	shrinkage			21715
Tris (1-aziridinyl) phosphine sulfide SEE				Trogulocratus			105561*	situation and outlook			102843*
Thiotepa				Trogulus nepaeformis			53193*	trade		30472*	51022*
Tris (hydroxymethyl) aminomethane				Trogulus tricarlinatus			5101	Europe			102843*
19147				Trogus violaceus			95342*	Japan			30470*
Tris (2-methyl-1-aziridinyl) phosphine				Trolene SEE Ronnel				transporation			71377*
oxide SEE Metepa				Trollipeurus n g			53598*	Tropicoseius n g			33034
Trisetacus			63880	Trombella natalensis			94675*	Tropideres			83844*
Trisetum			36790	Trombicula		5109*	94691*	Tropidocephala			95180*
Tristania			14259	Trombicula akamushi		4716	4767	Tropiduchidae			14771*
Tristania merguensis			89107	105566*				Tropilaelaps clareae			105422
Tristeza				Trombicula akamushi deliensis SEE				Tropinota hirta SEE Epicometis hirta			
citrus		9194	9208	Trombicula deliensis				Tropism			12009*
14201 18324 47509			99574	Trombicula autumnalis			94417*	insects			14383
77906*				Trombicula breviseta			14459	reviews			38314*
oranges			77934	Trombicula deliensis		4716	73171*	plants		48086	68996
Trisulcosporium n g			99089	94690* 105566* 105567*				48247*		89346*	
Triterpenes			30674	Trombicula discors SEE Myotrombicula				reviews		78388	48130*
6760* 10212* 59097*			89776*	discors				SEE ALSO Geotropism; Phototropism;			
100712* 100720*				Trombicula lacerticola			94754	Skototropism			
Triterpenoids			59030	Trombicula macclurei			14485*	Tropisternus			33132
Trithion SEE Carbophenothion				Trombicula megaderma			14485*	Tropisternus mexicanus			33132
Triticale		9480	38726	Trombicula (Neotrombicula)			94707*	Tropisternus mexicanus group			43041
48713 58466 79171			18731*	Trombicula pallida			13986*	Tropolone			103032
Triticinae			58390	Trombicula reticulata			14485*	Tropoporella			67976
Triticum			28564*	Trombicula schuffneri SEE Schoengastia				Trox procerus			5127
anatomy and physiology			18836*	schuffneri				Troxochrus			83782
100426*				Trombicula splendens			14446	Truck farms			
biochemistry			100616*	Trombicula texana			14459	California			26776
cytology			8628	Trombiculidae				Florida			7704
disease resistance			783*	Afghanistan			63902*	France		34737*	54935*
enzymes			100616*	anatomy and physiology			4759	Germany			16864*
genetics		867	47894	75531				Great Britain			16773
18771*				and disease		4723	4756	Hungary			26783*
hybrids		10379	59258	13987*				Ivory Coast			34688*
soils			100426*	as pests			63444	Louisiana			65409
Triticum aestivum SEE Wheat				Austria			63881*	management			56419
Triticum dicoccoides			78048	China		94691*	105598*	Bulgaria			35753*
Triticum dicoccum SEE Emmer				ecology		4756	5083	California		26775	108398
Triticum durum SEE Wheat				habits and behavior		4723	4759	Mississippi			26846
								New York			45805

\*Text of this reference is not in English.



Item			Item			Item		
Truck farms-- Cont			Trypodendron lineatum			Tuberculosis-- Cont		
management--cont			breeding places		63687	cattle--cont		
Oregon		108397	control	4904	53048*	control		31339
Texas		7849	habits and behavior	4906	23381	California		51910
USSR	7873*	86982*	reproduction		33121*	Czechoslovakia	3613*	13052*
87117*			Tryporyza incertulas SEE Schoenobius			31286* 92528*	103815*	
Washington		108399	incertulas			Denmark		22159*
Netherlands		34682*	Tryporyza innotata		94324	France	12965*	41596*
Texas		7849	Trypoxylon frigidum		33346	92433*		
USSR		97822*	Trypoxylon texense		23792	Czechoslovakia		72254*
Trucks	24180	63452	Trypsin	7284	30982	diagnosis	13031	3598*
costs and returns		81292	97237	100279	3179*	3695* 12948*	13006*	31254*
depreciation		5849	Tryptamine SEE 3-(2-Aminoethyl)-5-			51921* 62225*	92467*	103755*
equipment		43489	indolol			103756*		
Germany			Tryptophan		70343*	eradication	12748	31338
East Germany		53855*	in animal nutrition	82905	104266	72303 82162		
hazards and safeguards		24172*	in Claviceps		89815*	Czechoslovakia		51841
maintenance and repair		12218	in corn flour		36361	Germany		31405*
operation		71404*	in feed	91828	75031*	Great Britain		3257
parts	43681	53859	in fungi		100661	Hungary		62406*
106405*			in grapes		28307*	Poland		92597*
refrigerator		74496	in meat	25861*	25882*	Republic of South Africa		31338
directories		15421	in Neurospora crassa		68609	USSR		13050*
rental		24091	68710 68927			France	22200*	41638*
tank	24883*	24896*	in peas	38601	10219*	72132* 72160*	82164*	
54675*	74776*	74826*	in plants		100662	Italy	13122*	41630*
tests		40759	in tobacco		97495	prevention	31285*	31466*
USSR		24120*	in urine		81879*	41571* 62293*	62318*	82172*
SEE ALSO SUBHEAD by truck UNDER			in wool		44481*	92565* 103626*		
Transportation			D-Tryptophan		61906*	Puerto Rico		51908
True bugs SEE Heteroptera			L-Tryptophan	100629*	103215*	resistance	51862*	92605*
Truffles	67948	20149*	Tryptophan synthetase	55003	59080	South America		103833
44681*	53332*	79652*	100606			transmission	13143*	22182*
Trupaflavine SEE Acriflavine			Tryssophyton n g		88345	31422*		
Trusts SEE Monopolies			Tsetse flies SEE Glossina			treatment	31270*	31379*
Truxalis		84185*	TSH SEE Thyrotropin			51899* 82279*	103753*	
Trybliidiella rufula		26934a	Tshibalaka n g		5199*	control		3266*
Trybliographa		84112	Tsuga		9502	diagnosis	103202	3213*
Trypan blue		33166	cytology		21333	103307*		
Trypanosoma	41766	83212	injuries		30250	dogs	41755	31597*
Trypanosoma brucei	4728	31715	measurement		17673	82391*--82393*	103950*	72419*
95027			Pennsylvania		61494	eradication	12691*	12753*
Trypanosoma congolense	4728	14018	pulpwood		30546	goats		82822*
12548* 12549*			wood		46850	horses		62626*
Trypanosoma cruzi	4703	105095	Tsuga canadensis	42785		laboratory animals		82514
3217* 41273*			51373 67821			man	8325*	62574*
Trypanosoma equiperdum		31721*	Tsuga diversifolia	47245*	99799*	minks	62568*	62574*
Trypanosoma evansi	61919	62854	Tsuga heterophylla			pigeons		31422*
12544* 81714*			growth		81185	poultry	22159* 4148*	4227*
Trypanosoma grayi		64001	mortality		30436	causes		104374*
Trypanosoma lewisi		52136*	pest control		53030	control	72211	62928*
Trypanosoma rhodensiense		14018	pulpwood		30706	diagnosis	13520*	42055*
Trypanosoma simiae			wood	30540	30617	104408*		
reviews		22988	103053			eradication		12748
Trypanosoma vivax	14018	32674	Tsuga mertensiana	12461	41051	Spain		93192*
Trypanosomatidae	32994	32999	Tsutsugamushi disease			transmission	13131*	92584*
85781			Japan	4756	4767	72716		63007*
Trypanosomiasis	41292	41380	13987*			rabbits	83017	63066*
Africa		52788	Malaysia		4723	sheep		22973*
Brazil		41273*	transmission	4716	73171*	swine		
cattle		32674	TTC SEE Tetrazolium compounds			93876*		
Nigeria	31335	31368	Tuber SEE Truffles		67948	diagnosis	72997*	82822*
103706			Tuberales		51921*	eradication	12748	72303
resistance		51644*	Tuberculin	3593	31486*	Germany		
treatment	3564	12996	72266*	93396*		East Germany		42301*
Congo		31336	Tuberculin test	71792	12745*	transmission		4148*
control		81752*	92046* 103307*			vaccines		3129*
dogs	3564	12996	camels		12534*	Tubergonius n g		83768*
ducks		31336	cattle	51922	72211	Tuberculachnus salignus	33265	105855
laboratory animals		62854	51922 72211	82272	3695*	Tuberothelais n g		94825*
man	4703	4774	12948* 13131*	13156*	31409*	Tubeufia		88503
mice		63461	31486* 51853*	62199*	62406*	Tubifera ferruginosa		47041*
prevention		31715*	62657* 72266*	82197*	103778*	Tubiflorae	1335	58257*
rats	72526	31715*	103852*			Tuboxenine		78997*
sheep		52136*	dogs		31597*	Tuckerella		105580
Somali Republic		32674	goats		82822*	Tuff		50031*
South America		30843*	guinea pigs	62657*	82495*	Tufted hair grass SEE Deschampsia cae-		
swine	4728	4701	poultry	13520*	42055*	spitosa		30940
reviews		22988	swine		82822*	Tularemia		82710*
transmission		63461	Tuberculina persicina		67980	rabbits	63010	104212
94091 94106	105114		Tuberculosis		41352*	rats		32666
reviews		73122	Africa		103317*	transmission	14023	
treatment	14018	61840*	camels		12534*	42458 14029*		
Trypanosomidae SEE Trypanosomatidae			cattle	92407	3541*	USSR		32731
Trypetidae SEE Tephritidae			22148* 31266*	41426*	4227*	vaccines	92962	82710*
Tryphaena pronuba SEE Triphaena			62235* 82189*	82269*	82272*	Tulipa		
pronuba			92607* 103825*	103875*		anatomy and physiology		48017
			causes	72254*	92584*	100152 1118*	19119*	69052*

\*Text of this reference is not in English.

			Item				Item				Item
Tulipa-- Cont											
costs and returns	56597	66757*									
culture	39274	49181*	49182*								
101294*											
fertilizers		40100									
forcing	39289	10785*									
fungus diseases	8994*	47410*									
99320*											
hybrids		79639*									
Iran		36814									
marketing		39289									
morphology	27648*	47830*									
nematodes		27367a*									
physiological diseases		100152									
planting	79614*	79620*									
pollen		58798*									
soils		40100									
statistics		86537*									
storage		29010*									
transportation		66757*									
Turkey		36814									
varieties	39158	39167	39294								
39308	100152	46783*									
virus diseases		18378	18379								
18380*											
weed control		38460									
yields	86537*	86538*									
Tulipa lipskyi		46814*									
Tulipa montana		36913									
Tulipa stellata		27628a									
Tuliptree SEE Liriodendron tulipifera											
Tuliptree scale SEE Toumeyella liriodendri											
Tullbergia		73888*									
Tumors		103348									
asses		72479									
Bombyx mori		94598									
cats		13261	13303*								
cattle	13040	13101	31445								
reviews			13138*								
dogs	3793	3866	13281								
31603	41747	41781	41797								
62529	72411	82375	92743								
62540*	62546*	72429*	72442*								
92766*											
diagnosis		13303*	31546*								
31624*											
transmission			13225								
treatment	22347	31631*									
Drosophila		63987									
Drosophila melanogaster		33141									
33213	43076	43125	53309								
105695*											
goats		22805*									
horses	22409	92929	13366*								
insects											
bibliographies		73680									
laboratory animals		82476									
livestock	12555	12654	12658								
12663											
Locusta migratoria		73868	73867*								
minks			62578*								
Musca domestica		33194									
plants	1179	9185	10190								
27267a	27601a	27907a	27908a								
48572	68248	68252	73300								
89145	89429	105854	9175*								
18886*	18993*	23297*	37266*								
37414*	47428*	47452*	48237*								
68246*	68458*	77856*	89540*								
SEE ALSO Plant galls											
poultry		13482	82597								
rabbits			42110								
reviews		12599	41373								
swine			83059								
virus			12622								
SEE ALSO types of tumors											
Tundra											
Alaska		58178									
USSR	587	17769	81128								
27433a*	78182*	99783*									
Tung nuts	64469	66003	74164								
Tung oil											
analysis and composition		26073									
conferences and congresses		65966									
cooperatives		66042									
drying		86289									
in paints and varnishes		65998									
66011											
Tung oil-- Cont											
industry		65978									
marketing	26120	65969	66042								
policies and programs		26009									
65971											
polymerization		86289									
trade		26073									
utilization research	65968	65995									
66011											
Tung tree											
anatomy and physiology		38269									
58789											
culture	49550	60037									
fertilizers		101903*									
hardiness		57837									
nematodes		526									
planting	28720	60036	60046								
60047											
yields		101903*									
Tungsten		70368*									
Tungstic acid		105949									
Tunicamermis melolonthae		94842*									
Tupelo SEE Nyssa											
Tuponia		95200*									
Turbatrix aceti		18395*									
Turbidimetry	15656	84783	85717								
65041*											
Turbinaria		88490									
Turellus		63943									
Turf	1085	90451	90817								
Arizona		101271									
California		20091									
Canada		69857									
care	10834	47187	49175								
49261	101304	101329									
conferences and congresses		49227									
49228	79623	79626									
diseases	47079	47168	99163								
99172											
equipment		15051	95842								
fertilizers	2342	11569	49969								
50102	60371	60398	80402								
fungus diseases		18075	47407								
77666											
control	47219	47252	88770								
99264											
Florida		88714									
Georgia		37386									
Oklahoma		18233									
Pennsylvania		18086									
Rhode Island		57864									
Great Britain		88746									
Germany		89035*									
injuries	11101	77508	88746								
irrigation	11727	29940	60634								
80551	80620										
California	1164	90813	102218								
Eastern States		11776									
irrigation equipment		102115	102139								
102198	102218	102221	102250								
102251											
management		10838	20066								
48225	49180	49209	49266								
49271	79558	79559	79593								
79633	80572	90381	90412								
Arizona		28934									
California	90813	101304									
101329											
desert areas		10862									
Texas		79562									
New Jersey		49206									
pest control	4877	42616	83486								
83494	87826	94418	94421								
planting		20069									
soils	11183	11831	50032								
58513	79558										
spraying and dusting		47088	49205								
weed control		29239	49443								
49450											
California		29290	29384								
chemical	11013	11101	11103								
11119	29182	29306	29352								
49430	70115	90595	90602								
90653											
SEE ALSO Grasses; Lawns											
Turgenia		88403									
Turkey cocks		93026									
Turkey eggs											
cleaning		97299									
Turkey eggs--Cont											
for hatching	82675	104514									
hatchability	13431	22689	32068								
41886	82568										
microorganisms		62830									
storage		22689									



Item				Item				Item			
Turkeys-- Cont				Turkeys-- Cont				2,4-D-- Cont			
feathering			4210	shows			35299*	effects on <i>Ailanthus altissima</i>		18605*	
feed relationships			31859	situation and outlook	7348		26160	effects on <i>Amsinckia intermedia</i>			
feeding and nutrition	22510		22551	35244	45231	55748	97327			100334	
22565	41941	62736	62759	97328	97337	107808		effects on <i>Andropogon</i>		70512	
82578	93064	93090	93109	Great Britain				effects on animals	3658	32238	
93111	93116	93149	93350	Italy			7348	6223c	70053	72227	
104318	104346	82563*	82570*	Sweden			26176*	effects on apples		19188*	
costs			31874	statistics	32122	35275	35291	effects on barley	78750	48259*	
Great Britain	62725		93079	35292				effects on beans	10077	27866	
93083	104265	104271		study and teaching			52322	effects on Brassica		1265	
Mexico	93053*	104251*		systems				effects on castorbeans		68548	
Nebraska	22572	82568		battery	32125	62977	82568	effects on <i>Ceanothus cordulatus</i>		81037	
pasture and range		93117		colony and range			104268	effects on <i>Chlorella</i>	69081	100236	
recent developments		93060		confinement		62977	64588	effects on citrus		79458	
93082				started poults			32102	effects on corn	10077	18809	
research methods				taxation			97638	19158	27802*	68677*	
linear programming		104263		temperature			62784	effects on cotton	20283	37957	
restricted feeding	31870	93162		trade			98285	47952	100167		
seasonal		31828*		transportation			86344	effects on cucumbers		18809	
fertility	4030	4042	4091	types		62939	97293	effects on <i>Cyclanthera pedata</i>		68450*	
13431	22494	42088	62681	weight and measurement			4030	effects on <i>Cyperus rotundus</i>		9790	
62697	62850	82539	93013	wild	4042	93478	82526*	49504*			
104232	93002*			SEE ALSO National Turkey Improve-			62939	effects on <i>Datura stramonium</i>		100211	
futures			86333	ment Plan; Poults; Turkey cocks;				effects on <i>Eremurus himalaicus</i>		89226	
genetics	82539	93013	82531*	names of anatomical parts, body flu-				effects on <i>Ficus benghalensis</i>		89176	
research methods				ids, diseases and other pathological				effects on flax	37108	38463*	
statistical		41886		conditions, operations, parasites,				effects on <i>Gleditsia triacanthos</i>		78484*	
germ-free		93188		pests, and products				effects on grapes		17971*	
growth	13530	22551	31757	Turmeric SEE Curcuma				effects on lychee		19032	
31859	31870	93102	31832*	Turneraceae			8686*	effects on Macadamia		20253	
habits and behavior	93090	93531		Turnip greens			10945	effects on <i>Nicandra physalodes</i>		47723*	
hatcheries		52334		Turnip maggot SEE <i>Hylemya floralis</i>				effects on peanuts		101565	
hatching	13431	93479	93502	Turnips				effects on Picea		30424*	
104492*				anatomy and physiology			27931	effects on Pinus	81037	81039*	
hereditary diseases		93220		48075*	69110*			102595*		78684	89429
history		97369		culture	29076	101377	39359*	47739*	58236*		
housing	43751	62964	96005	59346*				effects on potatoes	19072	25343	
96010				disease resistance	77845		47514*	effects on Quercus	81081	100167	
controlled environment		4132		feed			51740	effects on <i>Robinia pseudoacacia</i>		18605*	
64588				fertilizers			102033	effects on Scabiosa atropurpurea		27809*	
Great Britain		95992		germination			69110*	effects on Stylosanthes gracilis		79761	
heating		96009		hardiness			78611	effects on sugarcane		48454	
insulation		96009		harvesting			86713*	effects on sunflowers		100181	
sanitation		93434		morphology			78229	effects on wheat		2048	
hybrids		4216		nutritional deficiencies			100382*	formulations		55075	
immunization		93328		pest control	32749		94289	in birdsfoot deervetch		69201	
industry	35309	52320	55723	pests			42587*	in feed		6552	
Georgia		97359		planting			102033	in lemons		55075	
Great Britain		93507*		planting date			27931	in peas		69201	
North Carolina		97359		seeds		32749	59346*	in Phleum pratense		69201	
South Carolina		97359		varieties	20198	49379	10521*	in plants		68692*	
vertical integration		85506		47514*	90506*			in soils		2628*	
97294	97375			virus diseases	18313		18329	in vegetables		75268	
infectious diseases		13564*		18382	23222		23754	related compounds	11036	79781	
judging		104501		47530	58083		77919	residues		70047	
labor		97655		47514*	68296*		9219*	2,4-DB	6552	70130	90704
losses		93236		yields	27931		78229	29173*			39464
marketing	16344	16352	52334	Turpentine			71236	2,4-DES			79799
86347				analysis and composition			12407	2,4-DP		39484	61092
Canada		7347		61520	102994*			2,4,5-T	29277	30331	61092
Great Britain	4289	97352		industry			103004	81062	90729	101472	101482
Missouri		97372		marketing			51297	101486	2795*	10998*	29169*
meat production	26895	32025		products	71523	30677*	41053*	59960*	101487*	101525*	
52335	93216	104497		properties		41055*	41056*	effects on apricots		58720*	
effects of breeding		62711*		situation and outlook			12411	effects on <i>Ceanothus cordulatus</i>		81037	
82526*				Turraea			8752	effects on cherries		48492	
effects of feeding	31832*	72572*		Turtle eggs			8361	effects on cotton		19060*	
mechanization		5701		Tussilago			49413*	effects on Delphinium barbeyi		10138	
metabolism	62713	31832*		Tussilago farfara		39540	49424*	effects on mandarin oranges		28099*	
Missouri		93406		Tuyamaella			17841*	effects on Pinus	81037	81039*	
mortality		104316		Tuyamaella hattorii			17841*	102595*			
nests		95978		Twist				effects on plants		101476	
Northern Ireland		104504		Dactylis glomerata			37388	effects on plums		28257*	
oviposition	4250	32125	93392	Twisted leaf				effects on Quercus		81081	
ovulation		41903		cherries		88873	99579	effects on tomatoes		19254*	
parasites		22640		Twitchell process			86314	effects on trees		61069	
poisoning	4119	104318	13487*	2,4-D	11020	11033	11077	effects on Ulex europaeus		78751*	
42519*				29234	29277	39579	70114	formulations	101472	101460*	
policies and programs		97372		70134	79760	81062	90624	101461*			
prices		107805		90711	90718	90729	91548				
psychology		93026		101482	10998*	11072*	29161*				
purchase and sale programs		97327		70086*	70189*	79806*	101487*				
records and testing	52335	82678		101525*	101572*						
research methods				analysis and composition			79782				
statistical		35286		effects on Acer negundo			8947				
respiratory diseases		93221		effects on Agapanthus umbellatus			89226				
selection	4035	4042	31757								
41886	82531*										

\*Text of this reference is not in English.

	Item			Item			Item	
2,4,5-T-- Cont			UC-10584 SEE Hercules 5727			Ulmus carpinifolia	49589*	58685*
in apples		44595	Udders		3311*	Ulmus parvifolia		102741*
in plants		21237	cattle		13103	Ulmus pumila	21276	12178*
in vegetables		75268	31451	72301	82181	83692*	83710*	21269*
2,4,5-TP	1152	11077	3515*	3535*	3674*	Ulocerus		63937*
19188*	27965*	79836*	13066*	13082*	22252*	Ulothrix		46961
Two-price system		85371	31384*	41411*	41442*	Ulothrichaceae		46961
2,6-DBN SEE 2,6-Dichlorobenzonitrile			41624*	43521*	62000*	Ulotrichales	37767	89204
Two-spotted spider mite SEE Tetranychus telarius			82245*	82280*	92396*	Ultisols		70422*
Two-striped grasshopper SEE Melanoplus bivittatus			92515*	103617*	103661*	Ultra-micro method		13236*
2,3,6-TBA	9851	101512	103737*	103760*		Ultrasort waves		34171*
2,2-DPA		101581	bacteria	3203	82247	Ultrasonic vibrations SEE Supersonic vibrations		
2-(2,4,5-TP) SEE Silvex			51860*	62178*		Ultraviolet rays		
2-(2,4,5-Trichlorophenoxy) propionic acid SEE Silvex			diseases	51950	62460	effects on algae	27540a	89309
Tychepsephenus felix		94810*	3701*	13090*	13150*	effects on Alternaria chrysanthemi		100313
Tychius flavus		94275*	31444*	51815*	54673*	effects on Anabaena cycadeae		89309
Tylan SEE Tylosin			82223*	82226*		effects on Anabaena doliolum		89309
Tylelenchus		99727	control		74865	effects on animals	61691*	61874*
Tylelenchus tritici	479*	47569*	82254*	82255*	82318*	81703*		
Tylenchorhynchus dubius		88919	82339*			effects on Aspergillus nidulans		100058
Tylenchorhynchus maximus		27375a	prevention		41683*	effects on Aspergillus niger		869*
Tylenchulus semipenetrans		496	treatment	22273	3656*	78828*	89917*	89503*
1091	9291	47597	12952*	62329*		effects on Aspergillus terreus		89229
58130	88940	9274*	sanitation	3599	22274	effects on bacteria	45378	55176*
18411*	68334*		96080	3569*	31341*	81795*		9603
Tylenchulus SEE Tylelenchus			92655*	103933*		effects on barley		48135
Tylopilus		88519*	diseases		21842*	effects on Begonia semperflorens		73459*
Tylosin	52595	93202	goats		4383	effects on Bombyx mori		84066
104879	13548*	62804*	ruminants		12665*	effects on Bracon	14820	23913
Tylosin tartrate		4166	sheep		72831*	effects on cellulose	103028	25240*
Tympanal organs		5137	swine	52569*	63256*	effects on Chironomus dorsalis		53365
Typha		2061	Udea alpinalis		33420*	effects on Chlorella vulgaris		9586*
Typha angustifolia		20323	Udinia n g		33253	effects on corn		100433*
Typha domingensis		65223*	Udumbaria n g		95029	effects on Dendrolimus sibiricus		95540
Typha elephantina		87	Udumbaria nainiensis		95029	effects on Drosophila		5240
Typha glauca		9596	Uenoa		106131	effects on Dryopteris varia		68488
Typha latifolia		20323	Ugyops		105823	effects on Euglena gracilis		78859
Typhaceae	26881a	47648*	Uhagonia		53527	effects on fibers		25218*
Typhiidae		23788*	Ulcerative stomatitis SEE Sore mouth			effects on fibroin		83702*
Typhlocyba		14746*	Ulcers			effects on fruit		78306*
Typhlocyba ficaria		43182*	cattle	3706	13141	effects on Gonyaulax		19181
Typhlocybae SEE Leafhoppers			31452*	92394*	103634*	effects on honey		97024*
Typhlodromus		94687	dogs		22353	effects on insecticides		4665
Typhlodromus aerialis		94768	horses		31684	effects on Micrasterias		47751
Typhlodromus arceuthobius		33060	swine	4533	13806	effects on nematodes		37532
Typhlodromus hibisci		52949	Uleine	13860	83059	effects on Neurospora crassa		58415
Typhlodromus limonicus		52949	Ulex europaeus		46898*	effects on Nitzschia linearis		27844*
Typhlodromus occidentalis		52949	Uliidiidae SEE Otitidae			effects on onions		78128*
Typhlodromus pusillus		33060	Ulmaceae		63953*	effects on Onoclea sensibilis		68453
Typhlodromus rickeri	73529	94768	Ulmus			effects on Oryzaephilus surinamensis		14536
Typhoons SEE Hurricanes			culture	61031	40575*	effects on Osmunda japonica		68488
Typhula idahoensis		99508	ecology		11355	effects on plant disease		18267
Typhula incarnata		37230	fungus diseases		27196a	effects on plants	705*	48060*
Typhus	42473	93656	83576	99288		78197*		78336
Tyramine		100642	Canada		99358	effects on poultry	22654*	62965*
Tyria jacobaeae		42393	conferences and congresses			81703*	93230*	104242*
Tyroglyphidae	14450*	14477*	control	14271	47243	effects on Protoparce		94340
Tyroglyphus farinae SEE Acarus siro		52801*	77815	99273	77780	effects on Pteris vittata		68488
Tyroglyphus siro SEE Acarus siro			99538	105357	99413	effects on seeds		78960
Tyrophagus dimidiatus		5088*	Kansas		47415	effects on semen		32201
Tyrophagus noxius SEE Tyrophagus putrescentiae			North Carolina		99356	effects on silk		54921*
Tyrophagus putrescentiae		53194	Norway		37325*	effects on swine		42308*
105556	94720*		Hungary		88163*	effects on tapeworms		32653
Tyrosinase			Minnesota		51033	effects on Torulopsis utilis		89331*
in Bombyx mori		94607	Netherlands		46919*	effects on Tradescantia		58278
in broadbeans		38614	pest control	42790	83576	effects on Tradescantia virginiana		78128*
in Galleria mellonella		33392	23399*			effects on vegetables		38064
in Musca domestica		83953	biological		105357	effects on viruses	58089	4017*
in Neurospora		28311	chemical		53055	effects on wheat	27579a	27803*
in Podospora anserina		10182*	Kansas		4921	effects on yeasts	18779	28025
in Strobilomyces strobilaceus		19286	Michigan		14271	100086		
in sugar beets		37376*	Netherlands		14286	in animal research		92388*
in vegetables		55015	pests	4920	14544	in entomological research		73885
SEE ALSO Laccase; Phenolases			33378	42970	63697	in fats and oils analysis		16342*
Tyrosine	32187*	68777*	2908*		105533	26024*	26051*	26056*
68777*	73878*	100438*	propagation		61108*	45159*	96404*	
Tyrosine-O-phosphate		105742	soils		11355	in food processing		55176*
Tythaspis sexdecimpunctata		14540*	taxonomy		98894	in food research	24374	33994*
Tyzzler's disease	31717	31718	varieties	28967*	40575*			
			USSR		71064*			
			wood		102951*			
			Ulmus alata		105402			
			Ulmus americana	17511	30411			
			47132	48355	105402			
			Ulmus campestris SEE Ulmus carpinifolia					
Ubiquinones	3090	19193						
31724*	52343*	69218						

\*Text of this reference is not in English.



Item			Item			Item		
Ultraviolet rays-- Cont			Urbanization-- Cont			Urea-- Cont		
in plant research	28301	1155*	Netherlands	6769	46016*	in <i>Nymphaea alba</i>		68948*
28320* 107397*			New Zealand			in plants		48335
in protein research		74744	North Carolina		46021	in potatoes		58757*
in pulp and paper research		81489*	Northeastern States		26998	in rabbit physiology		42109
in seed analysis	88741	1617*	Urea			in rice		47945*
55807*			chemistry		29567*	in ruminant nutrition	21804	30825
in soil research		29492*	effects on <i>Bacillus cereus</i> group			51426 61655	30817*	61666*
in sugar analysis		62241*	105536			in ruminant physiology		3168*
in vanilla research		85100	effects on corn	27863	68984*	in sheep nutrition	22785	32207
in veterinary research		30952*	effects on cotton		100167	32209 63044	72783	72791
92434*			effects on forage plants		48446	82771 93611	93657	103135
in wheat analysis		55305	effects on jute		34515	104608 4335*	22123*	22784*
in wine manufacture		96318	effects on milk		54512*	31161* 104604*		
<i>Ulva fasciata</i>		89112*	effects on <i>Nitella translucens</i>		48045	in sheep physiology		104717*
<i>Ulva lactuca</i>	89903	28139*	effects on plant disease		27257*	in silage	3424*	3462*
<i>Ulva mutabilis</i>		78293*	effects on <i>Quercus</i>		100167	22098* 30765*	30811*	30822*
<i>Ulva pertusa</i>		19335	effects on raspberries		38099	51747* 71669*	82814*	
Ulvaceae	88497*	89344*	effects on seeds		58796	in soils	2167	11280
Ulvales		67917	effects on wheat	29582	89509	29513 80009	101755	29347
Ulvopsis n g		46957*	89576			in <i>Taraxacum officinale</i>		29567*
Umbelliferae		77415	fertilizers	20757	30063	in wool		68948*
Alaska		88308	70841 80301	11840*	60743	sources	92286*	85643
biochemistry		48614*	40368* 50008*	60381*	60745*	therapeutic use		92373*
Iraq		88403	60782* 91153*	102018*		toxicity	57772	4433*
Mediterranean area		37646*	apples	39952	27257a*	92555* 93699*	93700*	
morphology		8675*	bananas		50111*	Urea-formaldehyde compounds		65922*
oil		107713*	barley	20624	20625	Urea-formaldehyde fertilizers		2342
pollen	8675*	37646*	2354*			2638 11514	48187	49676
taxonomy	8729	8675*	corn	11618	29830*	102293 50045*	50074*	60517*
Umbelliferone		9085	cotton		29770	Urea-formaldehyde resins		40965
Umbilical hernia		93820*	field crops		2401*	12350* 30631*	40952*	61416*
Umbilicaria		78719*	39997* 50108*	60471*	91098*	Urea fractionation method		100696*
Ummidia		83803*	101972*			Urea lobata SEE Gadillo		
<i>Unaspis yanonensis</i>	42714*	105846*	grain		70569	Urea resins	102942	21543*
105847*			grapes		60309	51204* 81456*	102946*	40962*
<i>Uncinaria stenocephala</i>		3975*	Hungary		60746*	Urease		4335*
<i>Uncinariosis</i> SEE Hookworms			India		29811	effects on poultry		22579
<i>Uncinia</i>	17684	98897*	Japan		70843	in plants	69256	100582
<i>Uncinula</i>	213	47048	pastures and meadows		20625	in poultry physiology		72598
<i>Uncinula necator</i>	99308	9072*	potatoes	20625	102005*	in sheep physiology		93657
57966* 88815*			rape		102004*	in soils		29529*
<i>Uncinula polychaeta</i>	213	657	Republic of South Africa		102034	in swine physiology		104861
<i>Uncinula spiralis</i> SEE <i>Uncinula necator</i>			reviews		83032	Uredinales	99368	27180a*
<i>Uncinulopsis</i> SEE <i>Uncinula</i>			rice	20693	58901*	anatomy and physiology		
<i>Undaria pinnatifida</i>		59086	sugar beets		20625	reviews		37350
Undulant fever SEE Brucellosis, man			sugarcane		70579	Bulgaria		8845*
Unemployment SEE Employment			Taiwan		60748	cytology		68471*
Unemployment insurance		86682	tomatoes		60319	Estonia		26963a*
16602* 108134*			wheat	20625	40003	France		17884*
SEE ALSO Workmen's compensation			2347* 2398*			India	35	47050
<i>Ungernia flava</i>		36815	herbicides	9933	29347	Italy		57945*
<i>Unguforte</i> PBS		13309*	79827 90650	29245*	29340*	Mexico		67935
<i>Uniola paniculata</i>	58199	89054	hydrolysis		104861	Morocco		57715*
Unitized transportation SEE Containeri-			in animal nutrition	65204	81638	morphology	9439	27519a*
zation			61619* 61684*	81647*	91848*	Puerto Rico		26968a
Uracil			92069* 103117*			Pyrenees	17884*	17885*
58404 11001 29205 29302			in animal physiology		61892*	taxonomy		8852
70106 68827 69169 69170			in Basidiomycetes		59061	Texas		88507
<i>Urania ripheus</i>		64187*	in blood	13282*	22100*	USSR		88508*
Uranium	1253*	11300*	31535*			Venezuela		27189a*
31712*			in <i>Candida flareri</i>		58977	Uredo	8852	47051
Uranium sulfate		60226*	in cattle nutrition	3503	31234	Uredo <i>avenochloae</i>		57746*
<i>Uranodactylus</i>		88269*	41485 51719	62071	62072	Uredo <i>ingae</i>		27187a*
<i>Uranotaenia</i>	33234	53376	62130 71999	82771	92288	Uredo <i>nectandrae</i>		27190a*
<i>Uranotaenia albosternoplura</i>		33234	92341 92358	92366	93611	Uredo <i>thelypteridis</i>		47052
<i>Uranotaenia amiensis</i>		33234	103135 103527	103578	104608	Uredopeltis		88533
<i>Uranotaenia anhydor</i>		64062	3476* 3480*	3504*	12865*	Uremia	3196	4135
<i>Uranotaenia hirsutifemora</i>		53376	22077* 22100*	22123*	22127*	31620 82669	93346*	
<i>Uranotaenia moresbyensis</i>		33234	31161* 31193*	31232*	31237*	Urethan	35181	99425*
<i>Uranotaenia novaguinensis</i>		14712	41488* 41530*	41557*	51792*	Urethra		
<i>Uranotaenia novaguinensis alticola</i>		14712	61984* 72013*	72022*	72023*	cats		3800
<i>Uranotaenia paralateralis</i>		53376	72086* 72791*	82056*	82072*	cattle	82212	92188
<i>Uranotaenia paranovaguinensis</i>		14712	82083* 92282*	92283*	92286*	dogs	3796	31543
Uranyl oxalate		554	92307* 92340*	92373*	103534*	62508*		
Uranyl sulfate SEE Uranium sulfate			103603* 103604*			Urginae <i>maritima</i>		38383*
Urban renewal		46027	in cattle physiology		103880*	Uric acid		
Urbanization	35497	36002	in corn	9935*	78720*	effects on algae		58910
46017 46024 46085		14406*	in cottonseed		35204	effects on poultry		72564
14412*			in dairy products		96399*	in dog physiology	13291	103989
Argentina		87347*	in fats and oils processing		97235	in <i>Drosophila melanogaster</i>		14593
California		46003	in feed	54741*	81634*	in feed	41955	51704*
developing areas	46002	24402	in goat nutrition		103135	in poultry physiology		82595*
France		76556*	in goat physiology	63129	72839*	Uricase	33475	73655
Iran		16550*	in horse nutrition		104094	Uridine	9454	100666*
Italy		76556*	in horse physiology		62613*	Uridine diphosphatase	7471	38508
Japan		8070	in milk		82072*	Uridine diphosphate N-acetylgalacta-		19316

\*Text of this reference is not in English.

	Item				Item				Item		
Uridine diphosphate glucuronyltrans-ferase SEE Glucuronyl transferase									Utetheisa ornatix group	5529	95495
Urinary calculi									Utetheisa pulchella		42445
camels									Utiliagio scitaminea		18157
cattle									Utricularia		88400
51691	3636	31468	51567						Utricularia neglecta	37805*	58915*
51687*	72205	72843	103792						Uvaria		8715*
dogs									Uvarus		5181*
22361	13291	13305	13308						Uvularia		36843
horses											
minks											
sheep											
treatment											
Urine											
analysis and composition											
32597	72227	73064	92764						Vaccaria SEE Saponaria		
21941*	41328*	41365*	61906*						Vaccaroside		
81879*									Vaccines		
cattle									51554*	63162*	
82851	12848	51839	82300						administration		
51854*	3664*	13042*	22194*						32234	92962	3608
analysis and composition									81853*	82168*	31396*
13175	13250	22218	41561						93289*	93307*	93252*
51856	62426	72251	103445						analysis and composition		104914*
103876	3474*	92435*	92479*						contamination		91926*
92517*	103461*	104118*							Germany		61829*
hydrogen-ion concentration									grading and standardization		12733*
dogs									hazards and safeguards		73007*
analysis and composition									lyophilization	12736*	62797*
52052	52059	72406	72418						manufacture	103354	104826
72434									104908*		4381*
hydrogen-ion concentration									properties	104887	3281*
goats									81846*	93885*	72640*
horses									tests	22599	51465*
92864*	22194*	31670*	71684*						82372*	92016*	104693*
minks									viability		41371
poultry									SEE ALSO Immunization; names of		82586*
104375	4118	52222	104355						vaccines; and UNDER names of dis-		
rabbits									eases		
rats									Vaccinia SEE Cow pox		
ruminants									Vaccinium	23884	57649
sheep									101874*		27437*
104656	12848	13698	82851						Vaccinium angustifolium myrtilloides		
analysis and composition									SEE Blueberries		
83057	83058	93691	104616						Vaccinium macrocarpon SEE Cranber-		
104716									ries		
swine									Vaccinium myrtillus SEE Myrtle whor-		
104770*	4585	104813	4538*						tleberry		
Urnula craterium									Vaccinium nitidum		57654
Urocercus xanthus									Vaccinium uliginosum		47975
Urocystis agropyri									Vaccinium vitis-idaea		114*
Urocystis cepulae									Vacuum cleaners		53791
99539*									Vageler's hyperbolic equation		70317*
Urocystis colchici									Vagina		
Urocystis tritici									artificial	62588	13605*
Urodinychus zocchii									asses		72479
Urogenital system									cattle	41660	13154*
52801*									62339*	92403*	62234*
cattle									bacteria		51915*
horses									diseases		62345*
Urolithiasis SEE Urinary calculi									chinchillas		31275*
Uromyces									dogs		52073
Uromyces caryophyllinus									goats		72442*
Uromyces ciceris-arietini									mice	72536	13720
Uromyces euphorbia polytimetica									poultry		104188
Uromyces muscari									sheep	93666	62694
Uromyces phaseoli									swine	52580*	63156*
99503	99537								Vaginal hernia		93853*
Uromyces phaseoli phaseoli									Vaginal prolapse	22258*	22410*
Uromyces phaseoli typica	350								92469*	92549*	41762*
Uromyces riloensis									Vaginitis	62390	92919
Uromyces setariae-italicae									SEE ALSO Coital exanthema		13158*
Uronema									Valerianone		16319*
Uronic acids	42841	48610	103036						Valerian SEE Valeriana		
Urophlyctis leproides									Valerian oil	16329	66028
Uropodina									Valeriana	20357*	49551*
Uropygi									77309*		57566*
Uropygial gland									Valeriana kurtziana		36777*
Urotropin SEE Methenamine									Valeriana officinalis		101609*
Ursocin S									Valeriana wallichii oil		107765
Ursolic acid	69186	28335*	89787*						Valerianaceae	36776*	36899*
100673*									Valerianella		49337*
Urtica									Valeric acid		68196
Urtica dioica	89036	70186*	90750*						Valeric acid compounds		77691*
Urtica pilulifera									Valginae	83893*	94918*
Urticaceae	17725	39448	17724*						Valine		55323
Urticales									in Hyalophora cecropia		5546
Urticaria											

\*Text of this reference is not in English.



				Item					Item					Item	
Valine-- Cont					Vaucheria				17869	26926a*	68565*	Vegetables-- Cont			
in <i>Neurospora crassa</i>				58469	88485*							breeding--cont			
in plants				1414	48565*							Japan			
in turkey nutrition				93154	Vaucheria lili							84338*			
Vallee's disease SEE Equine infectious anemia					Vaucheria sessilis							18537*			
Vallergan				3839	Vaucheria vipera							68604*			
Vallisneria				68670	Vaucheriaceae							18615			
Vallisneria spiralis				89084*	VB 744							77972*			
Valsa				99528	V-C 1-13							41316			
Valsa leucostoma				27184a	V-C 13 Nemacide SEE V-C 1-13							USSR			
68222*				47300	Veal							59785			
Values in rural life				8187	consumer preferences							259785			
67263				87608	consumption							49388*			
98176				98191	color							905571*			
98243				98244	cuts							905571*			
87603*				98248	flavor and odor							49288*			
Valvulae				105816*	grading and standardization							79705*			
VAMA				11173	35062*							analysis and composition			
Vamidithion				83291	marketing							85716*			
Van Gulik test				86276*	quality							Australia			
Van Leersum method				104980*	103912*							55185			
Van-royena n g				44277*	Sweden							contamination			
Vanadium				52024*	Vechtia							55097			
effects on bacteria				46815*	Vedalia SEE Rodolia cardinalis							flavor and odor			
effects on grapes				72565	Vegadex SEE CDEC							55097			
effects on peas				49793*	Vegetable juices							44800*			
in animal physiology				78936*	analysis and composition							75337*			
in feed				68989*	bottling							Great Britain			
in plants				940	consumer preferences							judging			
toxicity				22587	drying							marketing			
Vanaspati				16324	drying equipment							6875			
45125				107759	properties							65512*			
Vancomycin				107780	Vegetable oils SEE Fats and oils							25503*			
Vanda				19118	Vegetable weevil SEE Listroderes costirostris obliquus							46474*			
89197				20012	Vegetables							6892*			
Vanda roeblingiana				69832	acreage and area							34812			
Vanda roxburghii				78139	75252							regulation and inspection			
Vanda spatulata				49200	75253							Republic of South Africa			
Vanda teres				101288	107291							situation and outlook			
Vanda tessellata SEE Vanda roxburghii				9517	Alabama							25474			
Vandopsis lowii				101358	Australia							Spain			
Vanessa cardui				58360*	California							statistics			
Vanessa io				28343	Florida							sterilization			
Vanessa urticae SEE Nymphalis urticae				106001*	Germany							tests			
Vanilla				95403	Kentucky							trade			
adulteration				24659*	Netherlands							108819*			
analysis and composition				85119	USSR							canning			
85101				85119	advertising							25502*			
85132				74661*	65487*							65617*			
culture				96295	analysis and composition							care and handling			
cytology				27558a	25345							34824			
fungus diseases				99381	25354							44739			
Guatemala				39598*	44603							44750			
hybrids				27558a	44607							85769			
in ice cream				96561	44615							107368			
manufacture				96295	75191							conferences and congresses			
pollination				38485	75193							care and handling equipment			
processing				44186*	75210							106325			
varieties				96295	75217							chemistry			
Vanilla planifolia				101614	96804							65579			
Vanillic acid				70333	15937*							6876*			
Vanillin				85100	54982*							55131*			
34272*				85132	75220*							cleaning			
44186*				24659*	75209*							25514			
68792*					107241*							coatings			
Vanilloside SEE Avenin					anatomy and physiology							reviews			
Vanudenia n g				88502*	10141							conferences and congresses			
Vapam 40357				47203*	10141							25333			
Vapona SEE DDVP				77974*	58684							101115*			
Variance analysis				77124	89695							consumer preferences			
30743*				17483*	100242							25378			
Varied carpet beetle SEE Anthrenus verbasci					9901*							75234			
Variegated cutworm SEE Peridroma saucia					27967*							39370*			
Variscite				11222	38259*							15945			
Varnishes SEE Paints and varnishes				90893	38450*							Australia			
Varoma no 8301				85165	58636*							85750			
Varroa jacobsoni				105422	68799*							107260*			
Vasates				5081	78832*							85688*			
Vasates ambrosii SEE Aculus ambrosii				88502*	associations							East Germany			
Vasates fockeui				42713*	96774							6771*			
Vasates lycopersici SEE Aculus lycopersici					Germany							15944*			
Vascular browning					Texas							15939			
tomatoes SEE Internal browning, tomatoes					Western States							85749*			
Vasopressin				31912	bacteria							6769			
Vateria indica seed oil				97223	bacterial diseases							research methods			
Vatinius				107732	99226*							statistical			
				73732*	biochemistry							containers			
					1416*							85809			
					blanching							6838*			
					breeding							55107*			
					1416*							65557*			
					Belgium							65564*			
					Bulgaria							75284*			
					101420*							contamination			
					China							6831			
					Czechoslovakia							25354			
					Germany							34712			
					East Germany							34764			
					Ghana							44603			
					India							75190			
												75191			
												75210			
												85794			
												54982*			
												cooking			
												87784			
												108922			
												108944			
												cooling			
												25514			
												96878*			
												research methods			
												statistical			
												cooperatives			
												55031			
												65468			
												65516			
												Australia			
												California			
												conferences and congresses			
												Florida			
												France			
												34739*			
												Germany			
												65484*			
												Great Britain			
												Italy			
												44643*			
												Japan			
												25423*			

			Item				Item				Item
Vegetables-- Cont				Vegetables-- Cont				Vegetables-- Cont			
cooperatives--cont				culture--cont				fertilizers--cont			
Michigan			75245	Tennessee			20204	USSR			40110*
Netherlands			85766*	Texas			59782	89773*			101973*
Norway			65493*	Turkey			101395*	Washington			80372
Poland			65501	USSR			20109*	flavor and odor			6919
costs and returns				20154*			10931*	96884			55167*
Australia			65565	49383*			39331*	for processing			1997
Belgium			85750	79675*			40125*	34824			65516
Bulgaria			39345*	USSR bloc			59898*	65531*			39370*
Canada			56587*	Czechoslovakia			70705*	96782*			107300*
Europe			76386	damage			79648*	France			65530*
Florida			65569*	directories			69995*	Germany			49334*
Germany			87163	85653*			44690	Great Britain			49335*
East Germany			35885*	disease resistance			6687*	Poland			108460*
Great Britain			48472*	diseases			59810	forcing			80706*
Hungary			26929	Brazil			47078*	freeze-dried			55179*
India			66954*	China			8960	96826*			
Japan			76410	Canada			88655*	freezing			6873
Netherlands			26921	conferences and congresses			99242*	85857*			
Netherlands			7966*	control			37071*	Great Britain			65572
108534*			87201*	Canada			68060*	Hungary			44742*
New York			16904	Connecticut			68008	Iceland			107401*
Rumania			1919*	France			10940*	Louisiana			34833
Southern Rhodesia			76404	Germany			26997*	Mississippi			85821
Texas			35872*	Florida			88565	Spain			6909*
USSR			20203	Japan			88628*	frozen			
Cuba			10570	Kansas			17967	bacteria			55013
culture			10948	Massachusetts			57859	color			25352*
29029			48029	Minnesota			77575	consumption			44774
49394			59777	New Hampshire			37088	containers			65529
59854			60544	Ohio			18046	contamination			55069
101445			54941*	USSR			77559*	55097			65528
59861*			78457*	Yugoslavia			77566*	flavor and odor			55069
Alabama			59776	France			27002a*	55097			65528
Alaska			20170	Germany			99152*	Germany			
Arkansas			69943	Iceland			37054*	East Germany			55153*
Australia			20160	India			27045a	judging			34836
Austria			1950*	Northern Ireland			88636	marketing			96830
Belgium			39345*	dried				microorganisms			44616*
Brazil			101434*	analysis and composition			75206*	quality			34812
Bulgaria			29036*	moisture			75218	spoilage			44616*
29103*			29086*	nutritive value			75206*	situation and outlook			15941
California			2496	quality			55042	statistics			96882
Canada			70557	reconstituted			6895	vitamins			44774
90582			101430	regulation and inspection			55079*	fungus diseases			
Czechoslovakia			79428*	situation and outlook			55042	Australia			99296
desert areas			1916*	drying			85831	Canada			77810*
Florida			1498	96897			5826*	control			47342
79746			90567	equipment			33570*	27081a*			37362*
France			10586*	California			26775	Australia			9008
29034*			39406*	Germany			15256*	France			37237*
70021*			90488*	East Germany			64372*	Italy			27233a*
Georgia			39339	Lithuania			33596*	Sweden			88790*
Germany			26997a*	Netherlands			64356	Yugoslavia			57866*
East Germany			38659*	74167*				France			57962*
39418*			48472*	Texas			7849	Italy			99226*
50349*			70015*	extracts			7212	Norway			9131*
Ghana			90572	farms SEE Truck farms				Poland			99460*
Great Britain			38988	feed			4053	Germany			66771*
90579			49335*	49313*			104931*	germination			19200
Hungary			20187*	1250			11552	48029			58649
69954*			101444*	20652			39926	100250*			
Illinois			59903	91078			11458*	grading and standardization			44703
India			49326	60391*			60540*	Australia			107306
Indiana			10936	80291*				Europe			107304*
Italy			1995*	Australia			50104	France			65530*
Japan			10973*	Brazil			70595	Germany			85791*
20166*			24086*	Canada			91146*	Hungary			25439*
29126*			28778*	Colombia			70500	international			15987
90507*			29659*	Denmark			60377*	Portugal			25443*
Mexico			90514*	Florida			70736*	grading and standardization equipment			34761*
Minnesota			20152	France			2351	Great Britain			2002
mountain areas			90251	Germany			90488*	hardiness			90507*
Netherlands			59841	East Germany			9862*	harvesting			43595
39364*			10932*	70534*			29665*	70033*			1957*
90485*			59772*	Italy			80262*	harvesting date			1997
New Jersey			48666	Japan			80319*	harvesting equipment			53753
New Mexico			39334	91093*			91091*	106340			5780*
New Zealand			10935	Lithuania			29813*	Arkansas			106301
101612			20139	Netherlands			39992	California			59810
North Carolina			79668	40092			80290*	Florida			43595
Norway			10906*	New Jersey			50163	Germany			53750*
Poland			49106*	New Zealand			102068	Italy			33706*
Rumania			1916*	Norway			101367*	USSR			24119*
20133*			1939*	Poland			91108*				
Scotland			9736	Sweden			11551*				
Sweden			20202*	Texas			60344				
38944*			101425*								
			101433*								



Vegetables-- Cont			Vegetables-- Cont			Vegetables-- Cont		
history			marketing--cont			pest control--cont		
hybrids	59880	59815*	history	75239*	96823*	Colorado		63536
90571*		59849*	Illinois	15977	25419	France		10940*
India			Italy		85666*	Germany		26997*
industry	25307	25331	Japan	25413*	25427*	Great Britain		68051
75183		59777	34743*	34747*	107326*	Japan	18026*	88628*
Alabama		107213	Kentucky		55062	Kansas		17967
Congo		96791*	legal aspects		25433*	Lithuania	32774*	32766*
Denmark		54924	legislation		25406*	Maryland		83286
Europe		44555*	Louisiana	34750	65409	Massachusetts		57859
Florida		6718	Minnesota		65483	Netherlands		63528*
France	25319*	34658*	Netherlands		75240	New Hampshire		37088
Georgia		15916	75236*	96823*	44651*	North Carolina		4788
Germany	34655*	65407*	New Mexico		54944	Norway		32798*
85688*			Ohio		44664	Ohio		18046
East Germany	34661*	85658*	Oregon		55039	Poland		63571*
Great Britain		15895	Republic of South Africa		55044*	tests	14223	42586
Italy	25330	6695*	reviews		96837	Texas	14110	23270
85659*	85666*	25319*	Sierra Leone		34748	USSR	63666*	77559*
Kentucky		85887	statistics	65518---	65521	Washington	32805	73244
Louisiana		65409	85785			83361	83379	
Mexico		85662	Belgium		44678*	West Virginia		52886
Netherlands		34682*	Canada		85755	Wisconsin		73209
New Mexico		54944	Eastern States		65522	Yugoslavia		77566*
Pennsylvania		15893	Florida		15953	pest resistance		4787
Poland		6700*	Illinois		25397	pests		
Rumania		6723	Middle Western States		65523	Canada		83384
South Carolina		25331	Southern States		65524	France		23277*
Switzerland		15913*	Western States		65525	Germany		99152*
USSR	15888*	34666*	Texas		107267	India	5456	27045a
vertical integration	6726	75167	USSR	15979*	85756*	Italy	105190*	105205*
85684			Wisconsin		85775	Northern Ireland		88636
injuries	88585*	88590*	mechanization		107285	Republic of South Africa		23265
irradiation		85852	Bulgaria		64376	USSR		4799*
irrigation			Germany		33577*	Washington		94295
Canada		70720	East Germany		5674*	physiological diseases		38064
Denmark		70736*	Italy		43460*	planting	20652	49291
Germany			Japan	84338*	84363*	90484		
East Germany	50253*	50254*	84365*			Arkansas		69943
50349*			Netherlands		64337*	China		39420*
USSR		11737*	73950*	73951*	69984*	Georgia		39339
judging		1990	Poland		95705*	Louisiana		10952
keeping quality		96884	Rumania		33561	Ohio		77984
labor	7729	76059	USSR		43462*	Oklahoma		70040
Bulgaria		56161*	moisture		54989	USSR	29068*	39379*
California		26775	morphology		78229	planting date	1997	39383
Florida		26776	mulching		2490	90509	2006*	
Germany		66771*	names		69950	planting equipment		
Great Britain		66505	nematodes		27360a*	Bulgaria		53737
Hungary		45563*	control	18401	37508	Germany		
Michigan		56203	Denmark		68325*	East Germany		53720*
Poland		97664*	Great Britain		9279	Great Britain		95840*
Texas		7849	India		515	Norway		74058*
loading equipment		73978*	Italy		99672	USSR	53713*	74046*
losses	44632	44670	Ohio		99713*	policies and programs		
44702	55061	99207*	Spain		77984	France		56255
marketing	6788	6802	67454	87804	27349	Germany		108591*
15957	15976	25391	oxidation		65440*	East Germany	15917*	107222*
34727	34742	34744	packed		25477	Italy		54937*
44638	44657	55031	packing	34772	44708	Ivory Coast		25283
55055	55058	55060	75288	75290	55111*	Japan		34688*
65496	75234	75252	85803*	85806*	65553*	Philippines		85704*
85769	96821	107289	associations		15998	Poland	44558*	75170*
44675*			California		44777	96782*		
associations		25398	directories		107322	pollination	42409*	73095*
55054	55063	44647*	Florida		107315	prices	25331	65502
Belgium		34738*	France		75281*	85812	54941*	65565
California		65497	Germany	25439*	25453*	Belgium		75294*
Canada		76386	Netherlands		65564*	Canada		44808
China		65472	75287*	85808*	65557*	Denmark		85811*
Delmarva Peninsula	17169	36253	Poland		15997*	Europe		65569*
Denmark		25405*	pest control	14123	17937	European Economic Community		
directories		15953	73213	94419	37071*	25456		55122*
Europe		44675*	Arkansas		83285	Florida		34729
European Economic Community			Australia	32584	37049	France		6865*
25430	6782*	55399*	biological		42612	Germany		107325*
Florida	34729	44634	Brazil		94306*	Great Britain		45849
107275			Canada		23231*	Japan	44722*	107326*
France	6865*	15915*	chemical	63598	94292	Kentucky		85887
34737*	65490*	65494*	105184*			Netherlands		65571*
107231*	107290*		Belgium		42594*	Poland		96867*
Germany	44648*	55051*	Canada		99153	South Carolina		25331
85751*			Connecticut		68008	Surinam		25300*
East Germany	43994*	44669*	Florida		88565	processed		
85768*			Minnesota		77575	analysis and composition		85726
Great Britain		6781	Poland		105207*	65436*	85746*	
107264		6807				consumption		44624*

\*Text of this reference is not in English.

				Item					Item					Item
Vegetables-- Cont					Vegetables-- Cont					Vegetables-- Cont				
processed--cont					seeds--cont					storage--cont				
directories	6929	107377		Maine				26229		losses			44781*	
Finland		25492*		moisture				28009*		Netherlands			16062*	
flavor and odor		25450*		Poland	54938	97439		86419*		Norway			16046	
France		25461*		97438*						reviews			85873	
Germany	25475*	85834*		quality				77523*		structures	107368	5955*	15343*	
grading and standardization		34769		regulation and inspection				55805		25561*	33922*	43830*	55192*	
75256 75257				86425						74254*				
Italy		25479*		storage				107897		temperature		34829	74254*	
Louisiana		25518		treatment	19200	48029		58719		USSR			44781*	
marketing		44668*		68070	57819*	100250*				ventilation			84715*	
microorganisms		65436*		USSR	20196*	39351*	55814*			subsidies			7823*	
Netherlands	25478*	96908*		59855*	59898*	79701*				surpluses		75174	44648*	
nutritive value		44737		viability		58719		28009*		tests	44588	44607	75189	
packing		85804*		shows				1990		107250				
Poland	55140	55208*		situation and outlook		6705		15945		thinning equipment			74036*	
prices		44808		44577	55038	65403		65413		trade	108906	46365*	108825*	
properties	107338*	107339*		96775	96790	96800	107221			Belgium			67320*	
regulation and inspection		6830		Africa				6688*		Denmark			85811*	
107322				Canada				74290		Europe	8239	44555*	87616*	
situation and outlook		16030		Connecticut				85661		European Economic Community				
65597*				European Economic Community						8215	8216	17169	67297*	
statistics	44807	25479*		Florida				25298*		67307*	67317*			
trade				France	15915*	65376*		54931		France	76767	67320*	98310*	
Belgium		8286*		84755*	107231*			65385*		Germany	17189*	17190*	36274*	
Great Britain		98268*		Germany	25298*	54942*	65391*			56998*	67311*		108847*	
Italy	25479*	57049*		65405*	85664*	85665*				Guatemala		46365*	108825*	
Luxembourg		8286*		Italy	44533*	44538*		96788*		Italy	8288	25330	36274*	
Netherlands		76819*		Japan		20173*		85749*		46387*	56998*	87616*	108820*	
Poland		17142*		Ruhr Basin				15892*		Luxembourg			67320*	
Wisconsin		65618		USSR		25316*		44543*		Mexico			85662	
vitamins		25450*		soilless culture		1979*		1998*		Netherlands		36241*	56998*	
processing	6884 6919	25477		10965*	43797*	58566*	58813*			Poland	17142*	36195*	56982*	
34804 75253	96884	107250		68950*	90564*	101365*				Portugal		8229*	67303*	
107337 55167*	55187*	107339*		Japan	29058*	29059*	29060*			Rumania			6723	
Canada		85839		29135*						Spain			76793	
costs	44777	107345		USSR				29119*		statistics			96918*	
equipment		44777		USSR bloc		29053*		59813*		transportation	6789	25402	44665	
labor		44777		soils	40008	50207	58659			by air		25390*	65467*	
Louisiana		75349		20572*	70285*					by rail	44632	44660	44670	
Mississippi		85821		Canada				88655*		44708 75281*				
Netherlands	16062*	25467*		Germany				70475*		by truck			55050*	
25468* 75303*	107338*	107391*		East Germany	48472*	50021*		50021*		conferences and congresses			44772	
Poland		75305		64697*	70534*					Florida			107275	
research methods				Hungary				20187*		France			85765*	
statistical	6908	75314		Italy				99343*		Germany				
research programs		75297		Netherlands				19208*		East Germany		75230*		
structures		55192*		New Jersey				48666		Italy	15965*	15966*		
Washington		107346		New Zealand		20705		70582		Japan		34735*		
production regions	25331	44550		Poland				90555*		Republic of South Africa		25386		
54938 96782	34665*	96781*		Rumania				20643*		reviews	44789	85873		
products	34687	54941*		Sweden				11551*		USSR		34734*		
analysis and composition		34706		Texas				108516		transportation equipment		24190*		
65444				USSR				20194*		varieties	19738	20105	20141	
bibliographies		34834		Yugoslavia				57866*		49199	69950	101374	69996*	
properties		65444		spoilage				25529		Argentina			59843	
tests		44588		spraying and dusting	34764			37049		Arkansas			69943	
trade				77593 68003*	88567*					Austria			90255*	
France		27266*		statistics						Belgium			29027*	
propagation		59799*		Australia				34840		Bermuda			20132	
properties	44607 44611	54997		Belgium				64913*		Bulgaria			101420*	
96814				California				107408		California			59810	
purchasing		15939	85776*	Canada	44807	44808		64914		Canada			49045	
quality	1250 6789	10141		Denmark				15486*		China			39420*	
34754 34755	34765	107300*		Florida				96919		Czechoslovakia			79691*	
France		39406*		Germany	25536*	55211*	55212*			Germany			49334*	
Germany		65531*		65637* 65638*	65641*	65643*				Great Britain				
refrigeration	6873 25530	6885*		96918* 96920*						59802				
44758* 44771*	44773*	65588*		Italy				96788*		Hawaii		28776	38976	
107347*				South Carolina		25533		25539		Idaho			20207	
regulation and inspection		44686		107416						India			59158	
44702 44703 107294				Washington				85892		Iowa			49024	
European Economic Community				USSR				96781*		Japan	20136*	20137*	29033*	
Germany	6810* 25433*	34762*		storage	65579 65586			65636		90514*				
research methods				96884 107250						Kansas			59867	
linear programming		45849		Belgium				65578*		Louisiana			10952	
statistical		39390		Canada				96881		Mexico	20156*	59845*	90540*	
seeds	38663 66175	101374		Chile				34928*		Minnesota	59901	70028	79737	
101445				China				75319*		Netherlands			69984*	
Argentina		59873		controlled-atmosphere				44665		North Carolina			4787	
Arizona		107888		reviews				44789		Norway			59866*	
California		107888		diseases				25480*		Ohio			39422	
Canada		49045		Finland				65595*		Pennsylvania			39391	
Germany	77523*	78458*		Germany				75230*		Peru			90511*	
Hungary		66893*		East Germany				74254*		Rumania			59849*	
Italy	1983* 1995*	7407*		humidity						Scotland			59892	
7428*										Sweden		20146*	29138*	



Vegetables-- Cont			Vegetation-- Cont			Vegetation-- Cont		
varieties--cont			Finland			Wyoming		
West Virginia		28923	France	46705*	70353*	Yugoslavia	57443	26818a
Wisconsin		70043	Frising Islands			SEE ALSO Astrobotany; Flora; Plants		36965*
virus diseases	18363	83384	Germany	18414	20551	ecology; and UNDER Photography,		
99586*			57468*	57485*	68405*	aerial		
vitamins	27352	46472	78008*	98756*		Vehicles		43711
57131*	75186*	76869*				designs and specifications		53864*
108965*			Ghana			deterioration		84609*
waste			Great Britain			effects on soils		84618
weed control	39434	91868*	Great Plains			Germany	24178*	43725*
California		90484	Greece			74154*		53646*
Canada		29177	Hakkoda Mountains			East Germany	43579*	84597*
chemical	27649	49426	Hallig Islands			hazards and safeguards		5848
Arkansas		49501	Hungary		8589*	33793		
Belgium	20308*	70123*	Iceland			legislation		15237
101588*			Idaho			operation	84591	15288*
Bulgaria		39509*	Illinois	8644	36621	parts	5845*	43685*
Florida		39529	77998			purchasing		43716*
France		49452*	India			storage	84560	43652*
Germany	29297*	59972*	Iowa			tests		53864*
Great Britain	39543	39567	Ireland			types		53870*
101502			Israel			weight and measurement		84352
Hawaii		79838	Italy	37965*	46788*	SEE ALSO names of vehicles		
Italy	101541*		77178*	78016*		Veillonella alcalescens		92021*
Japan	39556*		Japan	580	28*	Vein banding		
Minnesota	77575		94676*			gooseberries		83452
Oregon	11084		Kentucky			strawberries		9224
Sweden	20293*		Laysan Island			Vein necrosis		
Tennessee	29359		Malagasy Republic			tobacco		18315
USSR	59986*		maps		67708	Veins		
Washington	60009	60013	9304*	17500*	88465*	asses		92887*
Wisconsin		70156	Australia			cattle	62251	31358*
Germany			Czechoslovakia			103622*		
East Germany		90724*	France			dogs	3885*	3905*
Great Britain		39544	Germany			103983*		
Iceland		79801*	Great Britain			goats		104642
Italy		99226*	Mediterranean area			horses		104124
Japan		29304*	Panama Canal Zone			mice		31728*
New Hampshire		37088	Rumania			sheep	13725*	31358*
yields	10141	27649	Tasmania			swine		63287*
78229	108194	54941*	USSR		17515*	Veld SEE Pastures and meadows		
Denmark		70736*	Mauritania			Velezia		98907*
Florida		2351	Mexico			Velia		
Germany			Michigan			reviews		73712
East Germany	50216	39417*	Minnesota			Velloziaceae		8749
49313*	60412*		Montana			Velvetbean caterpillar SEE Anticarsia		
Japan		10973*	mountain areas		50379	gemmatilis		
Massachusetts		57859	17530*	27455a*	46799*	Velvetbeans	3839	9856
Netherlands		24272*	99757*			28153		10511
Ohio		18235	Netherlands	27417a	57460*	Veneer logs	30613	71459
Pennsylvania		39391	77235*	88120*	88131*	71450*	71458*	102945
research methods			88207*	89048*		Veneers	12333	2973*--2975*
statistical		59852	New Caledonia			cutting	30614	40942
Rumania		1919*	New Hampshire			102943	40954*	61415*
USSR	11665*	11737*	New Jersey			defects	51203	61410
40236*	70543*	79741*	New Zealand		27388a	40968*	61417*	
101973*			50379	58146	98728	directories		30608
SEE ALSO Root crops; Salad plants;			Nigeria			equipment	2966	2970*
names of vegetables; and UNDER			Norway			81465*		40954*
Greenhouse culture			Pakistan		57413	finishing		71466
Vegetation	39	27397a	Peru			gluing	81458	21543*
68414	77194	11251*	Pyrenees			81475*		81461*
60715*	67685*	77201*	Republic of South Africa			grading and standardization		12342
		68397	36674	36675	57503*	30613	71456	71454*
Africa			research methods			industry		21534
Alaska			statistical		51	Japan		71451*
Albania			Rumania		57473*	manufacture	21540	51206
Alps	9316*	27421a*	sampling	544	19664	40941*	40960*	51220*
Antarctica		579	Senegal			materials		40968*
Argentina	88494	19656*	Sicily			measurement		40880
Arizona		21755*	Sierra Nevada			preservatives		51225
Australia	8560	11377	Somali Republic			properties	51215	51225
57423	60235	98849	Southern Rhodesia			41173*		102943
bibliographies			Spain		77146	regulation and inspection		40880
Brazil		88125	Sweden	8585	17532*	seasoning	61410	81358
Bulgaria		18992*	67741*	67745*	67746*	71416*		41098*
California		99757*	Switzerland		98844*	tests		40940*
Canada	46701	79361	Trinidad and Tobago		36679*	trade		51206
99800		49856	Tropics			waste utilization		40961
Chad	5035	7766*	Tunisia			SEE ALSO Plywood		
China		78019*	USSR	45*	567*	Venereal diseases	3856	13225
Colorado		88965*	17530*	27433a*	27439a*	13281	13373	
Czechoslovakia		572	46688*	47659*	57452*	Venereal lymphogranuloma		103975*
Denmark		60266*	77130*	77133*	77288*	Venezillo arizonicus		73548
desert areas	17516*	17565*	Utah	46756	47678	Venison		75578
Estonia		49882	West Indies			Ventilation SEE UNDER kinds of buildings		
Ethiopia		60259*	Western States			Ventral hernia		72993*
Europe	9316*	89056*	Wisconsin		99805			

\*Text of this reference is not in English.

	Item				Item				Item		
Venturia			17873*	Vermiosis--Cont				Verticillium--Cont			
Venturia inaequalis	362		376	reviews	3305	14075	61823*	biochemistry			19352
27100a	37300	47228	88804	ruminants			61712	cotton	37313*	47203*	68187*
99434	18200*	19815*	27094a*	sheep	72841	93637	104630	77727*			
27257a*				104696	22835*	32285*	4404	cytology			47795
anatomy and physiology			100411	Australia			13690	eggplant		57963*	88836*
apples	9089	18165	77736	22183	63108			enzymes			57963*
99371	99392	423*	27115a*	China			104731*	hops	77711	77805	77806
47208*	47378*	57953*	68152*	control	71733	72826	72834	Mentha	77817	77843	887799
77736*	77851*	88833*	99282*	72871	103724	63092*		mushrooms			99459*
99310*	99311*	99504*		Australia			4421*	olives			47391
Venturia nashicola			99129*	Kenya	52414	82795	82796	potatoes			68215
Venturia pirina	9024	18223*	57953*	North Carolina			32272	redpeppers			88836*
88832*				Northern Ireland			22841	strawberries		47359	58028
Venturiaceae			17873*	Republic of South Africa			104636	tomatoes		57932	88836*
Ventricidin			96893	Sweden			52443*	Verticillium albo-atrum			8984
Veratrane			72813*	West Virginia			22853	9264	27138a	27196a	37192
Veratrum			69087	Great Britain			51897	37338	47271	37261*	37273*
Veratrum album			89944*	Libya			32244	47273*	88848*		
Veratrum californicum	13665		63067	Portugal			82825*	anatomy and physiology			58691
93629			18423*	prevention			22167*	58692	78414	100264	100414
Veratrum nigrum			77366*	Syria			42187*	apricots			58037
Verbascum		47737*	88352	treatment		4356	13700	biochemistry		69217	69320
Verbena	77367	77368	57617	22818	52445	52479	93687	cherries			47213
bibliographies			57617	104728	13684*	13687*	22814*	cotton	18105	68134	68146
reviews			26874a*	72854*				77690	78414		
taxonomy	8724*	17749*		USSR	4401*	22812*	63061*	hops			99531
36880*	36881*	46892*	1905	63068*	63069*	63106*	63137*	Mentha			88724
Verberna peruviana			98902*	swine	83038	84201	4597*	morphology			99885
Verbesina occidentalis			98964	32728*				potatoes		49375	68183
Verbesina walteri			36955	Brazil			72967*	redpeppers			383
Verdoornia n g			95572	control			104857	Rosa			37345*
Verdulia				Great Britain			32463	Senecio vulgaris	88783		99421
Veritol SEE p-(2-Methylaminopropyl)				transmission			105139*	strawberries			58014
phenol				treatment			104894*	sunflowers			58442
Vermiculite	11236	39838	80072	USSR	4612*	63299*	63323*	tomatoes	330	331	8992
94201	11278*	29516*	91054*	63324*	63341*			68209			
Vermileoninae			33158	transmission	51556	12743*	61901*	vegetables		18235	57962*
Vermiosis	12727	23121	41357	92076*	103250*			Verticillium dahliae		27218a	37192
31019*	41366*	51496*		treatment		30840*	30916*	37231	47271		
buffaloes			3659	USSR			81721*	apricots			58037
cats			104052	wildlife			14418	cotton	9152*	88765*	99263*
cattle			104696	SEE ALSO names of worms				99294*	99516*		
Australia		22183	92413	Vermiosis dermatitis			62381	Dahlia			47349*
control	71733	72249	103724	13033*	72195*			Verticillium hemileiae			27180a*
63092*			4421*	Vernalization SEE UNDER Bulbs; Insects				Verticillium psalliotae			47663*
Australia			31327*	and names of insects; Seeds				Verticordia			88304
Japan			22841	Vernonia		67803*		Vesicular exanthema	22996		83043
Northern Ireland			51897	Vernonia anthelmintica		16395		bibliographies			83087
Great Britain			22280	Vernonia anthelmintica seed oil		45151		Vesicular stomatitis			
Oklahoma			22167*	97230				bibliographies			
prevention			22214*	Vernonia baldwini		100346		cattle	41591	92421	103663
treatment	51930	13089*	62284*	Vernonia cinerascens		18661		103904			
41602*	62618*			Vernonia cinerea		18661		swine			83008
USSR	3605*	62266*	62284*	Vernonia seed oil		7234		virus		13152	42494
62333*	62347*			Vernoniaeae		68435		reviews			71773*
control	51511	21930*	31064*	Veromessor andrei		14823		Vespa			33332*
41307*	71824*			Veromessor lariversi		5442		Vespa germanica SEE Vespa germanica			
USSR		30991*	61717*	Veromessor lobognathus		5442		Vespa orientalis	83645*	95297*	
diagnosis			51565*	Veromessor smithi		5442		Vespa vulgaris SEE Vespa vulgaris			
dogs		22367	104052	Veronica		26830a*		Vespidae			
3975*	92762*			Veronica agrestis		37803		anatomy and physiology			14791*
ducks			41963*	Veronica beccabunga		89596		life history			33329
USSR	4125*	13561*	62781*	Veronica contandripouli		98871*		oviposition		33330	84089*
62814*				Vertebrae		22359	31307*	Paleartic Region		14791*	84083*
foxes			72456	Vertical integration		6080	7860	phylogeny			43227*
fur-bearing animals			62573*	26863	34135	34954	35825	Poland			95350*
geese				45860	56427	76260	98103	taxonomy			43227*
USSR	4125*	13561*	41963*	24408*	26819*	66824*		USSR			43211*
62781*	62814*	62898*		bibliographies			7874	Vespoidea	33323	64164	84105
goats	71733	63121*	63137*	France			96130*	Vespa			14786
104731*				Germany	8175*	54187*	98236*	Vespa germanica	32932		43230*
horses	13370	13380	41836*	East Germany			16846*	84089*	94541*		
62618*	72471*			Italy			44007*	Vespa pensylvanica			32932
immunization			30889*	legal aspects			16791*	Vespa vulgaris			84089*
Malawi			71717	Sweden			56422*	Vestan			107149*
man	108673	27118*	51496*	Yugoslavia			56505	Vestergrenopsis			206
minks			72456	SEE ALSO Agribusiness; Farms and				Vestisulid			12626*
Northern Ireland			92019	farming, contract; Horizontal in-				analysis and composition			30770*
Pakistan			103249	tegration; Markets and marketing;				anatomy and physiology			10110*
poultry			13563*	Processor-grower relations; and				biochemistry			69314
Arkansas			62842	SUBHEAD industry, vertical inte-				culture			90167*
control	62827	82659*	93222*	gration UNDER names of animals and				Bulgaria	90131*	101014*	
Czechoslovakia			41958*	crops				Finland			1640*
Germany			93247*	Verticillium		68216	27262a*	Germany			
reviews			72652	alfalfa		47271	47289	East Germany			11507*
treatment		31933*	41993*								
82663*											
USSR	42009*	62917*	93354*								

\*Text of this reference is not in English.



Item				Item				Item			
Vetch-- Cont				Veterinary medicine-- Cont				Veterinary medicine-- Cont			
culture--cont				associations--cont				equipment--cont			
Sweden			69353*	France	31004*	71706*	81702*	13243	21831	30911	31630
USSR			59350*	81860*				51509	61698	61708	61777
cytology	9621	58206	37700*	Great Britain	41279		81715	62211	72798	92518	93664
digestibility			30770*	India			81781	103202	103245	103269	103790
feed		12887	30770*	Ireland			81882	104017	3122*	3694*	3817*
genetics			9621	Italy			103217*	12590*	12620*	21914*	30879*
germination			58734*	Sweden			31011*	30950*	41308*	51473*	51479*
harvesting			28646	Australia		3301	71736	51503*	51529*	51539*	52049*
nitrogen fixation			90934*	bibliographies	81875	30974*	41348*	52111*	61747*	61813*	82361*
pests			5177	61692*				103210*	103382*		
planting date			101041*	Bulgaria			30943*	Denmark			
seeds	22508	41953	10110*	California			61893	Germany		3830*	22446*
69353*				China			41334*	East Germany			103336*
soils	102071	29571*	90935*	conferences and congresses			51440	history			72482*
varieties	10440	28690	48859*	51441	71695	103158		Hungary		51879*	61739*
90167*	101041*			Argentina			41289*	Netherlands			91970*
virus diseases			58098*	Australia		12542	81710	USSR	21881*	82466*	92079*
yields			28646	California			51481	92086*	103262*		
SEE ALSO kinds of vetch				Canada			91925	ethics	71711	12735*	92048*
Veterinarians	21921	92090		Chile		12567*	31002*	Germany			61748*
and civilian defense	51606	71723		Colombia		41286*	51484*	Great Britain		3220	3312
Belgium		103271*		Florida			71719	71716			
directories	41346	61870	71796	Germany		41293*	51490*	history		3119	3276
51504*	91948*			East Germany			51470*	21885	21921	61910	81773
education and training			61788*	Great Britain		12558	12559	98531	103220	103248	3140*
81794*				12560	21821	30867	51476	3269*	3299*	8499*	12700*
Africa			30875*	history	30846	3128*	3162*	12710*	21910*	51562*	61772*
Germany				8499*				71802*			
East Germany			30988*	India			81781	Austria			81756*
Netherlands			71752*	Italy	3278*	21913*	31003*	Belgium			103271*
USSR			81814*	41287*	103337*			Bulgaria			30876*
fees	71768	41278*	41281*	Netherlands			30962*	Germany			12578*
41351*	71815*			New York			103289	Great Britain	3118		12545
Italy			41281*	Portugal		35660*	35661*	Greece			92035*
Japan			31010*	Republic of South Africa			31006	Poland			61831*
Mexico			61693*	31005**				Spain			3205
occupational diseases			41362	Sardinia			61688*	USSR	12633*	31039*	81822*
81789	92746	103960	22182*	Venezuela			51485*	United Arab Republic			51611
61768*				Western Hemisphere			31052	Hungary			31047*
Belgium			91988*	12682*	12683*	21942*		in folklore			81733*
Czechoslovakia			3225*	costs			30976	India		71805	12661*
Ohio			41363	Denmark			71707*	Italy			103175*
treatment			12707*	developing areas		12629*	12630*	Japan			61786*
Poland			51576*	diagnostic methods		12553	22794	Korea			41384*
Sweden			103365*	62356	71666	91901	91950	Latin America			3155
Veterinary hospitals	3124	51514	81887	91995	91999	103198	3598*	legal aspects		71711	51931*
71764	81723	81856		21817*	30963*	41663*	51467*	61848*			
104016				51946*	52103*	61882*	92009*	Australia			71689
conferences and congresses			103156	103284*				bibliographies			3135
construction			81891	dictionaries			31031*	France			61740*
lighting			12655	directories			61917	Germany			63320*
Lithuania			12640*	drugs			4194	legislation			
management			103241	4211	4544	12502	22606	California			71788
sanitation			71775	31012	41359	51466	52052	Czechoslovakia			51536*
Veterinary laboratories	3247	3293		103168	103345	12602*	12626*	France			12557*
3716	12553	22324	71821	13892*	21882*	31738*	41564*	Germany			23448*
92056	103985	3202*	30933*	61808*	62843*	71777*	81858*	New York			91933
31026*	61711*	61743*	71794*	92005*	104167*			USSR			21828*
81761*				administration		12704	22420	Malaysia			12656
Australia		3165	21840	22622	62177	63005	71784	Mongolia			61858*
Czechoslovakia			31348*	72282	82583	13396*	13664*	Near East			3148
Denmark		13848*	21999*	31032*	92044*	93279*	104322*	Netherlands			61748*
Great Britain		93237	31030*	Bulgaria			91929*	New Zealand			3152
Hungary			61836*	Czechoslovakia			61853*	Nigeria		12673	71778
Poland			30844*	Denmark			103748*	Norway			51564*
South Dakota			81772	hazards and safeguards			61846	periodicals		81767*	81790*
Sweden			3239*	71748				bibliographies			71799
USSR			103262*	history			30917*	Poland			91997*
Veterinary medicine		3142	3167	Hungary			81713*	policies and programs			92082
21820	31033	31249	61773	India			3232	3254*			
71636	71787	73154	82369	Japan	31998*	92727*	93251*	developing areas			61849*
51590*	103286*			legislation		61900	103169	Germany			
accounting			21939	30986*	30987*	81745*		East Germany		12734*	51588*
advisory services		12755*	71760*	Poland			3215*	USSR bloc		30862*	103281*
Africa		3120	103178*	prices			3224	practice		3131	3154
Algeria		4724*	105105*	regulation and inspection			30966	3271	3294	3302	13311
armed forces		21885	81822*	71709*				13422	22452	31012	41844
as an occupation		3158	12747	reviews			31036	52264	61820	61914	71682
21921	30954	51580	51607	Rumania			104345*	72356	81779	81844	82179
71731	71809	81707	81743	tests	3198	62661	71837	91955	91964	91979	92091
81762	91942	92031	92045	31446*				103253	103296	103321	103371
92091	103270	3264*	3269*	Turkey			21927*	103405	103883	104171	104190
30887*	61745*	61873*	71770*	USSR	21929*	61918*	81892*	4152*	4163*	12552*	12708*
81726*				93647*	93674*			21811*	30905*	31027*	31038*
associations		31037	62777	equipment	3112	3164	3172	31322*	61755*	62647*	62650*
71822	103287			3212	3275	3784	3962	81843*	82172*		

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.

	Item			Item			Item	
Veterinary medicine--Cont			Veterinary medicine--Cont			Veterinary technicians	82408	103282
practice--cont			services--cont			30877*	51535*	
Africa		71790	India		61872	Vetisulid		61699
Australia		12659	Iran		61789*	Vetiver oil	7239*	45165*
California		103197	Ireland		103199	Vetiveria zizanioides	37754	49568
Canada	3127	21816	Israel		41315		79303*	
41672			Italy	21909*	30901*	Vetstrep		62848*
Czechoslovakia	24236*	30877*	Latvia		12645*	Vibrio	33996	41301
31900*	31937*	31993*	Malawi		103268	62924	108304	34808*
Denmark	3255*	12588*	Mongolia		103350*	Vibrio bubulus		51579
21907*			Montana		12662	Vibrio fetus	3161	12668
Germany	7158*	12750*	Mozambique		61694*	22220	41589	51579
61879*			New Zealand		3295	63132	72824	82248
East Germany	62368*	92036*	Northern Rhodesia		81818	13063*	31342*	51538*
92037*			103268	103291		81937*	103327*	103420*
Great Britain		3145	Pakistan		61791	Vibronic dysentery	52596*	104862*
21850	30904		Poland	81886*	91997*	Vibronic hepatitis		82658
Illinois		51938	Senegal		61839*		72630*	93287*
Ireland		42173	Southern Rhodesia		103268			41301
Italy	12570*	21884*	Sweden		103365*	Vibriosis		82248
30880*	103775*	104011*	Tunisia		103239*	cattle		103647
Japan		93365*	Uganda		81873	82253	13087	41612
Michigan		81746	USSR	3286	12752*	103717	13063*	82271*
Netherlands		61788*	52080*	81793*	81840*	Australia		51878
North America		51488	Western Hemisphere		103305*	Bulgaria	31342*	103861*
Poland		3209*	situation and outlook	3294	12582	causes		62215*
Republic of South Africa		92023	51549	51571	81743	control	62372*	92601*
Texas		91976	41262*		31038*	diagnosis	3558	13027
USSR		61707*	Germany		30900*	13149*	31438*	81937*
public health aspects	31013	57158	Great Britain		80854	Germany		103420*
63337	75596	81859	Italy		41389*	resistance		13026
103139	103206	103231	Southeast Asia		3178	treatment		22177
103297	103344	3121*	statistics		51604*	control		103304
12735*	16241*	21811*	study and teaching	3241	3251	poultry	41975	62816
31285*	41262*	51949*	12540	12562	21829	sheep	4430	72824
61713*	81794*	81799*	41270	71685	71741	causes		62215*
Czechoslovakia	34463*	35126*	104112	3236*	12666*	Ohio		32280
Denmark		15689*	21932*	30836*	30887*	transmission	52481	63132
Europe		35066	41343*	41386*	71702*	USSR	13709*	63128*
European Economic Community		103326*	81726*	91938*	71770*	vaccines		62249
Georgia		71724	Africa		30915*	Viburnum		90434
Germany	61898*	96510*	Alabama		3308	Viburnum opulus	19395*	99079*
East Germany		92379*	Austria	21863*	91943*	100673*		58574
Italy	12596*	21926*	Belgium	30870*	41290*	Viburnum suspensum		79610
103322*			California	41317	71788	Viburnum trilobum		
Netherlands		30965*	Colombia	41304*	41350*	Vicia SEE Vetch		
Portugal		81831*	Denmark		103319*	Vicia atropurpurea SEE Purple vetch		
Rumania		81915*	developing areas		51613	Vicia benghalensis		46913
Sardinia		61824*	Germany	30912	3189*	Vicia cracca SEE Bird vetch		
Sweden	30947*	81778*	3222*	91966*	103333*	Vicia ervilia SEE Bitter vetch		
Switzerland		30892*	East Germany		3297*	Vicia faba SEE Broadbeans		
USSR	81814*	92028*	Great Britain	30968	61843	Vicia faba equina SEE Horsebeans		
Venezuela		3186*	71806	3303*		Vicia faba minor SEE Small horsebeans		
public relations	3163	21904	history	3151	21865	Vicia grandiflora		132*
71730	81893	91985	103187*		12546*	Vicia pannonica SEE Hungarian vetch		
Hungary		30888*	Hungary	21827	21823*	Vicia sativa SEE Vetch		
Sweden	12739*	21936*	61797*		51558*	Vicia villosa SEE Hairy vetch		
regulation	41283	72134	India		71710	Victoria	18486	47825
30901*			Italy	21884*	71840*	Victoria cruziana		78162*
Republic of South Africa		12572	New York		81815	Victorin		68167
103294*	103318*		Pennsylvania		81773	Vicuna wool		54907*
research methods		30951	103257*		103257*	Vidia cooremani		42905
13420*	31027*		Sardinia		61705*	Vigna SEE Cowpeas		
statistical	71771*	81758*	Switzerland	12713*	51595*	Viguiera		36834
.92063*			USSR	21875*	31029*	Villa		14596
research programs	71741	91971	61896*	91984*		Villages		
reviews	51616	41361*	21853	3191	3803	China	56739*	56746*
92098*	92099*		42181	42315	51507	Denmark		36047*
Rumania		12695*	51819	62156	78837	El Salvador		17025
services	92440	3160*	103361	104028	104053	France		87380*
41272*	71702*	71821*	12641*	12953*	12580*	Germany	46102*	67096*
Africa		71690	61704*	61883*	61892*	India	26415	56041
Albania		61702*	82718*	91921*	104046*	Israel	56025	56042
Angola		61744*	terminology		3177	76577	98117	76570--76573
Australia	12659	52237	Thailand		103346*	Japan	27065	97542
71693	72604		USSR	51475	71745*	36039*	36042*	56049*
Canada		61912	USSR bloc		93645*	86592*	108648*	
Czechoslovakia	61798*	61853*	Vietnam		30924*	Mexico		36043
92067*	92506*		SEE ALSO Anesthesia; Autopsies;		21861*	Netherlands		46104*
Ethiopia		3188	Immunization; Injections; Obstetrics;			Nigeria	42486	42487
France	41329*	51499*	Sedation; Surgery; Sutures; names of			Poland	67099	108666*
Germany	3124*	4536*	diseases, drugs, operations, orga-			policies and programs	8068*	56752*
62357*	81766*	91978*	nisms, and therapeutic methods; and			surveys		108652*
East Germany	12614*	24760*	SUBHEADS diseases, and classes of			United Arab Republic		46082
61758*	82318*	91961*	diseases; parasites; surgery UNDER			Yugoslavia		56298
Great Britain		21937	names of animals			Vinasse	75837	21744*
Illinois		31000	Veterinary nurses		3125	Vinca difformis		100598*
						Vinca erecta		59100*

\*Text of this reference is not in English.



Item			Item			Item		
Vinca herbacea	28403*		Virus Y			Viruses-- Cont		
Vinca minor	89883*		potatoes	14136	18275	reviews	81777	71773*
Vinca pusillus	27478			23187	37437	taxonomy	4685*	88865*
Vinca rosea SEE Lochnera rosea				27324a*	37483*	transmission		
Vincaleucoblastine	18522*			77891*	77927*	by aphids		105186*
Vincetoxicum officinale SEE			Solanum			by arthropods	4760	94157
Cynanchum vincetoxicum			Virus abortion			4685*		
Vinegar	24703*		cattle			reviews		14080
acids	6272*		goats			by insects	4693	4754
adulteration	106844		horses SEE Rhinopneumonitis			14112	14144	23194
reviews	106825		sheep	4425	22803	94313	14139*	23189*
analysis and composition	106827		vaccines			23248*	83151*	94330*
106844	25370*	44152*	Virus diarrhea			105128*		99570*
bibliographies			cattle			by mites		
bottling	85093*			62400	82209	reviews		52749
keeping quality	106837*			103670	103685	by ticks	14022	42506
manufacture	64984	96311		62391*		viability		83030*
15530*			Denmark			SEE ALSO names of virus diseases,		
flavor and odor	24717*		New York			and names and groups of viruses		
Italy	24736*		resistance		82283	Viscaria SEE Lychnis		
Vinemina	95507		Sweden			Viscera		72983
Vines SEE Climbing plants			Texas			cattle	3495*	72148*
Vineyards SEE UNDER Grapes			virus	41577	42281	92404*		72212*
Vinyl alcohol	20386	25115		72162	103670	dogs		31618
68795	101714	53116*		103685	82156*	poultry		72631
Vinyl ethers	26026	34568	Virus diseases SEE names of diseases;			sheep		32269*
Viola			and UNDER Livestock and names of			swine	72983	42258*
biochemistry	1429		animals; Plants and names of plants			Viscometry	34900	38628
China	26901a*		Virus hepatitis	22629	13572*	61500	80096	107946
culture	69845*		ducks	41982	62914*	Viscosimetry SEE Viscometry		
cytology	77318	99966	diagnosis		13578*	Viscum		8670
89206*			Germany			Viscum album		12063*
ecology			East Germany		93249*	Visual aids	7880	27084
Mongolia	77318		immunization		93353*	87126	87455	108751
pests	4875	83485*	India		42019	46202*	46210*	56775*
taxonomy	1429	36883	Japan		4226	Austria		46225*
varieties	39191*	77318	prevention		104314*	Germany		43441*
Western States		69845*	reviews		93249*	Great Britain		56769
Viola arvensis	99966	77318	geese		62914*	SEE ALSO Audio-visual aids; Films;		
Viola betonicifolia		58271*	immunization		22629	Motion pictures		
Viola conferta		46893	virus	82614	82615	Vitacea polistiformis	42665	95390
Viola kitaibeliana rafinesqui		26901a*	Virus pneumonia			Vitaceae		10841
Viola mirabilis		57553	cattle	72161	51823*	determination		24356
Viola odorata		58271*	sheep		63305	in animal nutrition	71652	91880
Viola papilionacea		69872	swine	52629	63305	103120	3101*	21749*
Viola rafinesqui SEE Viola		88339		13880*	13889*	81663*	91881*	
kitaibeliana rafinesqui				63282*		in Apis mellifera		32934
Viola tricolor			causes	83005	63249*	in animal physiology		81736
anatomy and physiology	68569		control		93831*	in avocado oil		27342*
89442			Germany		13809*	in blood		63091*
biochemistry	28393		Japan		32497*	in butter		46476
cytology	99966		reviews		83026	in butter oil		87800
fungus diseases	27207a*		Viruses	67465	81851*	in cattle nutrition	3437	3443
weed control	29254*		chemistry		58083	12912	12928	13175
Viola xanthopetala			conferences and congresses		12671	31149	31169	31191
Violaceae	147		culture media		4745	41486	51715	51742
Violanin	12066		cultures	27335	31361	62322	72031	72046
Virgilia oroboides	1332	1333	91972	104906	82455*	72101	72110	72791
89822			92066*			82305	103536	103578
Virginia pine SEE Pinus virginiana			drying			103733	51718*	51761*
Virginiamycin	13776	82660*	freeze-drying			62094*	62132*	72015*
"iridin		9732*	genetics			reviews		22083
Viridines	48546*		hydrogen-ion concentration			in cattle physiology	72255	82207
Viroallosecurinine	100685		identification	37458	61767	103744	103830	22085*
Virosins	100685		68304	32723	61868*	92574*	92602*	
Virucides	4251	51464	92606*			in eggs		93141
30989*	69258*	93846*	inhibitors SEE Virucides			in fats and oils		55686
Virus A	9215	37456	in food		51469	in feed		3095*
Virus B		27300a*	in soils		95450	in food		15431
Virus 4	477	99601	lyophilization	77893*	81863*	in forage plants		19661
Virus G-UP		31258*	morphology	105923	7400*	in game fowl nutrition		22671
Virus H-1		104150	61835*	71772*	88865*	in ghee	27335	96577
Virus K		88870*	properties	12619	13151	in goat physiology		104725*
Virus N	27331a*	99634*	18297	18381	37438	in human nutrition	57098*	87736*
Virus 1			41981	47536	47550	in meat		35103
cucumbers	52879	9210*	61703	61890	62602	in milk	15651	22260
Virus R17		77919	82614	99620	103334	57128	1344*	74814*
Virus S	37425	77909*	4122*	12714*	30998*	in Musca domestica		23648
Virus 3		477	43911*	47558*	47559*	in plants		78929
Virus X	18275	18367	63338*	81765*	81817*	in poultry nutrition	4062	4092
	37437	47484	82657*	82843*	99566*	13443	13489	13490
	99600	99660	reviews			13515	22557	22674
18355*			proteins	469	476	62722	62749	62778
potatoes	444*	9220*	18326	47510	47554	93141	4089*	13534*
47492*	68259*	68271*	47562	47565	59000	31792*	41921*	72587*
77885*	77933*		68276	68289	88894	104411*		
Solanum		37425	99567	99650	18352*	reviews	52203	72652
tobacco	37470	99612	research methods					
			statistical		4424			

\*Text of this reference is not in English.

	Item			Item			Item	
Vitamin A-- Cont			Vitamin D			Vitamins-- Cont		
in poultry physiology	22840	41939	in animal nutrition	81663*		in <i>Tribolium destructor</i>	83873*	
42053	52210	62798	in animal physiology	52289	81864*	in turkey nutrition	62759	
4089*	13524*	31935*	in cattle nutrition	13005*	51761*	reviews	8416	
93194*	93229*	93346*	51762*	92443*		SEE ALSO names of vitamins; and		
104433*			in cattle physiology	62370	22085*	UNDER specific subjects		
in rabbit physiology		4302*	in milk	57128	76870*	Vitellogenesis SEE Oogenesis		
in rat nutrition	52133	92941	in poultry nutrition	22549	72582	Vitestrol	82778*	
in rat physiology	82508	4006*	93096	104299		Viteus vitifolii SEE Phylloxera		
104725*			31787*	31884*		vitifoliae		
in ruminant nutrition	3069	92941	in poultry physiology	41998	93163	Vitex	28289	
81791*			93229*			Vitex agnuscastus	48557	
in sheep nutrition	3443	51145	in sheep physiology	63148	13670*	Vitex negundo	20330	
41495	72779	82776	in swine physiology	63309		Viticis	94992	
82777	82786		tests	6036		Vitis SEE Grapes		
in sheep physiology	13676	22840	Vitamin D <sub>2</sub>	52137	82939	Vitis riparia	9741	
13670*			62132*	83001*	92574*	Vitis rupestris	78462*	
in swine nutrition	13773	22909	Vitamin D <sub>3</sub>			Vitis vinifera SEE Grapes		
32378	42254	52514	in cattle nutrition	22227*		Vitis voinierianum SEE Tetrastigma		
104944	4525*	93790	in cattle physiology	72237	92574*	voinierianum	77433	
in swine physiology	32381	52534	in poultry nutrition	4111	104455	Vittaria	17829	
52553	4575*	22890*	41905*	104262*		Vittaria lineata	105775*	
in turkey nutrition	22509		in poultry physiology	52289	62919*	Viviparity	53385*	
in vanaspati	27335		in turkey nutrition	22573		Voacanga globosa	100678*	
in vegetables	67454		Vitamin E SEE Tocopherol			Voacanga grandifolia	37745	
Vitamin A acid	52553	52628	Vitamin H SEE Biotin			Voandzeia subterranea	107	
Vitamin B			Vitamin K			Vocal cords	62926	
effects on bacteria		30985*	in animal nutrition	12493		Vocational education	8106*	
effects on <i>Melanoplus bivittatus</i>		33473	in cattle nutrition	3437	12861	Vocational guidance	16650	
in animal nutrition		3101*	in dog physiology		13232	98159		
in bacteria		54510*	in poultry nutrition	3090	93070	Vocational training	17063	
in <i>Brevibacterium linens</i>		96417*	in rabbit nutrition	3090	3090	67143		
in bulgur		75449	in rat nutrition	3090	38542*	Vofatox SEE Parathion		
in cattle nutrition	31150	41487	Vitamin K <sub>1</sub>			Voges-Proskauer test	65449	
62072	51761*	51762*	Vitamin K <sub>3</sub> SEE Menadione			Volatile reducing substances test	106844	
in <i>Corcyra cephalonica</i>		14868	Vitamin K <sub>5</sub>	24388	85738	Volatile substances		
in feed		91863	48096*			in blood	12897	
in grain		25621*	Vitamin P	24867*	67393*	in bananas	107249	
in milk		108962*	Vitamin PP SEE Nicotinamide			in beef	35024	
in <i>Musca domestica</i>		23664	Vitamin T		41213*	in butter	24876	
in plants		78951*	Vitamins			in cacao	44232	
in poultry nutrition	4236	31849	effects on algae	28340*		in cheese	6451	
93182*			effects on bacteria	54413	74763	in coffee	96285	
in rat physiology		62663*	effects on barley		37966*	in dairy products	15692	
in sheep nutrition		104676	effects on <i>Candida albicans</i>		68902	in fats and oils	7336	
in soybeans		55673	effects on <i>Colletotrichum falcatum</i>		37224	7306*		
in <i>Tribolium castaneum</i>		105661	effects on <i>Colletotrichum graminicolum</i>		37224	in food	24367	
in <i>Trogoderma afrum</i>		63942	effects on cotton		69002*	54215	106544	
Vitamin B <sub>1</sub> SEE Thiamine			effects on <i>Dacrymycetaceae</i>		100235	in fruit	6761	
Vitamin B <sub>2</sub> SEE Riboflavin			effects on fungi	9671	27137a	54994	68900	
Vitamin B <sub>3</sub> SEE Nicotinamide			effects on peas		18980*	in gums and resins	25362*	
Vitamin B <sub>6</sub> SEE Pyridoxine			effects on plant disease		18262*	in hops	35389	
Vitamin B <sub>12</sub>			effects on ruminants		81878*	in insecticides	4630	
in <i>Actinomyces olivaceus</i>	100484*		effects on <i>Verticillium alboatrum</i>		100414	in <i>Majorana</i>	74646*	
in algae	108958		effects on yeasts		38469*	in meat	55444	
in animal nutrition	71647*		in animal nutrition	61649	61678	in <i>Mentha piperita</i>	10196*	
in animal physiology	3221*		85541	103123	12509*	in milk	12897	
in bacteria	54510*		41255*	61651*	71625*	in oil plants	109551*	
in blood	41914*		91834*	91846*		in onions	54978	
in cattle physiology	62205*		in animal physiology	92071*		in orange juice	55104	
in dog physiology	82377*		reviews	61823*		in oranges	25372	
in <i>Euglena</i>	38406		in <i>Apis mellifera</i>	63731*		in peas	75188	
in food	17231	67463	73445*			in pineapples	44591	
98409*			in cattle nutrition	12882	12898	in potato chips	85828	
in kumiss		96587*	22092	22109	72011	in <i>Salvia</i>	89600	
in milk		98393*	31205*	31334*	32352*	in seeds	89641*	
in mink physiology		13323*	82124*	82235*		in silage	65194	
in <i>Phycomycetes</i>		38098	in cattle physiology		3503	in strawberries	75223*	
in poultry physiology		104325	in chinchilla nutrition		104066	in tobacco	26342*	
in plants	68763	1418*	in geese physiology		31959*	in urine	12897	
in poultry nutrition	31718*	31816*	in horse nutrition			in vegetables	6740	
31852*	41929*	41935*	reviews	13365*	22404*	25357	54991	
72593*	98393*		in human nutrition	36326	67422	in wine		
in poultry physiology		4240*	27289*	57071*	57105*	in wood	91777	
31823*			in mink nutrition	92799	104064	Volcanic soils		
in rat physiology		13418	in nectar		89963*	Australia	98849	
in ruminant nutrition		103113*	in <i>Oryzaephilus surinamensis</i>		5170	California	40620	
in sheep physiology		52410	in poultry nutrition	93142	104403	Chile	80150	
in soils	2181	39783*	13448*	31794*	31836*	Italy	20495*	
in swine nutrition	32355	104779	31872*	52212*	82569*	Japan	11190	
32356*			in poultry physiology	93329*	93363*	49905	60135	
in turkey nutrition	41925	82568	in sheep nutrition		82780	81140	20452*	
synthesis	6192	3221*	in swine nutrition	72011	4485*	40019*	50091*	
15627*	26141*	31823*	13778*	32352*	32376*	101886*	100366*	
96587*			72919*	104767*	104929*	New Zealand	47694	
Vitamin BT	83872*	94924*				USSR	49907	
Vitamin C SEE Ascorbic acid		94925*				West Indies	36682*	
						Voldagsen paratyphoid SEE Necrotic enteritis		

\*Text of this reference is not in English.



Item			Item			Item		
Voles SEE Mice			Walkingstick SEE Diaperomera			Wasps-- Cont		
Volumenometry	44277*		femorata; Phasmatidae			pests		42905
Volutin	78966		Walks	38963*		phylogeny		53459
Volvaria esculenta	59839		Walkways	12868		prey	33308*	33329*
Volvocales	8801		Wallabies	17257		95325*	95359*	
Vomiting	3801	41791	Wallboard SEE Fiberboard			protective devices		63769*
V-101 SEE Tetrasul			Wallflower SEE Cheiranthus			stings		105122
Voraspis adlei	64103*		Walls	15289	64614	reviews		4736
Vorlex	37534		43733*	43839*	54036*	venom	5466	95343
Vossia cuspidata	90589		84711*		64627*	Wyoming		33308
Vouacapoua americana SEE Andira			Walnut aphid SEE Chromaphis			Waste		
inermis			juglandicola			disposal		68052
Vriesia SEE Vriesia			Walnut husk fly SEE Rhagoletis			feed	104248	6557*
Vriesia	8748		completa			22915*	34476*	12506*
Vriesia speciosa	28160*		Walnut sphinx SEE Cressonia juglandis			93538*	41245*	82940*
Vriesia speciosa major	38386*		Walnut (tree) SEE Juglans			fertilizers	50060	60812
Vriesia splendens SEE Vriesia speciosa			Walnuts	55025	87632	102357	39896*	70889
Vulcamycin SEE Novobiocin			Walshiidae		95440	60353*	91412*	40384*
Vulva	22328	63084	Walterianella venusta		23626	Water		
Vulvovaginitis SEE Coital exanthema			Warble flies SEE Hypoderma			analysis and composition		926
Vutsimus	23579*		Warea	46832		36418	73085	80670
			Warehouses	65586		95120	29894*	29905*
			air conditioning			39855*	40179*	50239*
			construction			106579*		
			costs			associations		29927*
			credit			bibliographies		80613*
			designs and specifications			conferences and congresses		8034
			55108	66079	85566	50352	60667	80693
			Germany			Asia		102216
			East Germany			California		40304
			India	44087	15460*	Far East		70801
			Kentucky		106698	New York		40304
			management	6199	55062	consumptive use		40177
			85008	107368	64812	1095	1164	1022
			Massachusetts		6090	2565	10048	1256
			pest control		14251	18959	20378	10095
			pests		94428*	27924	28044	18911
			refrigerated	34163	54290	38341	39679	20941
			construction	44084	54326	47961	48095	28080
			106719*		6220*	48497	49642	40277
			designs and specifications		44084	58527	58610	48276
			directories		75302	60103	68808	49657
			85032			69147	70648	58509
			Poland		54328*	78695	78729	58670
			Rumania		64899*	78822	78844	58927
			sanitation		96200*	79937	79941	69047
			statistics	64902	106689	79937	79941	70718
			106724*		106690	89481	89575	78742
			Switzerland		25501*	100140	100330	78767
			regulation and inspection		86045	101074	101673	79788
			Republic of South Africa		55836	1148*	1237*	79934
			statistics	34191	54329	9918*	11175*	80511
			WARF antiresistant for DDT		13971	27839*	27840*	89700
			73066	94005		37963*	37969*	89755
			Warfarin	13232	17256	47943*	48257*	89770
			Warner-Bratzler shear		31989	58833*	60101*	89755
			Warszewiczia coccinea		86143*	78373*	78509*	89755
			Wart		1876	78827*	78852*	89755
			potatoes	9061	37294	89464*	89745*	89755
			99423	99500	57909*	100500*	102196*	89755
			Warts SEE Papilloma			reviews		9885
			Wasps			effects on wool		44531
			anatomy and physiology		23785*	heating equipment	74276	74278
			as parasites		83945*	96078	96080	53779*
			as predators	14786	23808*	54067*		54051*
			43228*			hydrogen-ion concentration		91325
			breeding places		33323	in animal physiology	81769	91959
			Canada		94410*	103331	30923*	
			communication		63769*	in cattle physiology	13105	41569
			control	32729	94176	51839	72140	82300
			ecology		53458	in goat physiology	52460	22806*
			evolution		43234*	in milk		65079*
			Florida		14814	in plant research		48543
			genetics		83945*	in poultry physiology	4147	31936
			geographic distribution		53458	13516*	41923*	
			habits and behavior	14832	33308	in rabbit physiology	13609	93541
			84078	23785*	43228*	in ruminant physiology		12694
			host animal relations		53292	in semen dilution	41414*	82026*
			larvae	84095	23808*	in sheep physiology	52388	52460
			Maryland		33323	73837	82859	93609
			Nearctic Region		84101	in swine physiology		73009
			nests	14814	33308	legal aspects		102144
			84078	95289	95294	legislation		20817
			95297*		43230*	Canada		20873
			artificial	33329	33330	Florida		40209
			Pennsylvania		5453	Great Britain		70710
						Israel		40309

\*Text of this reference is not in English.

	Item				Item				Item		
Water-- Cont				Water-- Cont				Water-- Cont			
legislation--cont				supply--cont				supply--cont			
New York			40141	20909	27004	29938	39882	Rio Grande Basin			50261
North Dakota			60685	40140	40298	50230	50315	South Dakota	80570		91256
Poland			2504*	60103	60571	70825	80549	91257			
policies and programs			2533	80609	91318	102172	102193	Southern Rhodesia			70786
2576	8019	8024	8033	102216	102247	50255*	50275*	Southwestern States			89019
11791	20822	20842	20846	Africa	10507	11779	60594	Taiwan			40231*
29920	40185	20193	40215	Arizona		50356	70732	Tennessee Basin			11792
40253	40262	46014	56761	Asia			70747*	USSR	80561	11732*	40254*
67037	60677	70743	80549	Australia		2546	11696	40266*	40288*	40722*	91285*
80556	80591	80592	80602	60633	80659			Utah			91219
80607	80660	91024	91317	bibliographies		50309	49586*	Venezuela			40160*
102143	102144	102153	102164	Brazil			70760*	Western States	11722		56024
102252	102258	2524*	2577*	Bulgaria		60591*	60654*	60678			
Aden			11719	Burma		40170*	60585*	Yugoslavia			50297
Arizona	29933	70474	80664	California		2511	60296	systems	7672	20247	40315*
Australia			20901	70694	70801			Israel			40344*
Brazil			102231*	Canada	20821	26639	36413	maintenance and repair			54066
Bulgaria		50257	50313	Cape Fear Basin			11444	Sudan			84745
California		2574	50343	China			102170*	USSR			11732*
Cameroon			80521*	Colorado	2508	20833	29660	temperature			62080
Canada	20824	20870	20899	70783				underground			2101
35752	80591	80592		conferences and congresses		91322		20895	39643	40232	50317
Colombia			102158*	desert areas		56024	57177	50979	60297	60595	60619
Colorado Basin			70796	farm	24306	74284	96081	60693	61243	70700	70758
Cyprus			80532	Australia		54064	96076	79994	80515	80608	80621
Great Britain			70710	Canada		24307	106535	80657	91286	91520	100315
Great Plains			27001	Germany		15357*	15359*	102150	102164	102168	102248
Humboldt Basin			40280	Indiana		74286		40296*	50284*	50915*	59960*
Israel	50353		91269	Ireland		25022		60684*	79944*	90800*	91311*
Mekong Basin			102219	Minnesota		84740		Aden			11719
Netherlands			60695*	New Zealand		84742		Africa			
New Mexico			80664	84743				bibliographies			50323
New York	98064	102209		North Dakota		54065		Arkansas			11714
Northern Rhodesia		20893		Ohio		54062		Australia	80655	101641	
Poland		40159*		Poland	40159*	50335*		Brazil	29908*	102231*	
Southeast Basins		70798			70738*			California		11723	
Southeastern States		20859		USSR	33948*	64707*	96077*	Canada		20816	
Southwestern States		80582*		96079*	106530*			Colorado	2514	70783	
Tanganyika		11784		Vermont		15358		conferences and congresses		50392	
Texas		40317		Florida	2559	11756		Europe		68337*	
Utah	40175	70479	91221	for livestock	30827*	54067*		Florida	20809	60615	
Western States		20830	27001	64706*				Finland		40257*	
50333				Australia	5725	41232		Germany	60603*	60694*	70664*
Yugoslavia			50297	43871				East Germany		28219*	50240*
pollution	4638	17271	23149	Morocco		74285*		Hungary		39693	40281
29355	31727	40191	52704	USSR	33942*	54061*	74287*	India			40305
52730	52759	53137	53563	Wyoming		33947		Indiana			60294*
60623	70047	73074	73113	forecasting	40250	80568		Israel	60601	70744*	
74284	80610	80625	90606	91275	102106*			Italy		29911*	
91287	94109	98434	103707	France		60579*		Japan		80550	
24307*	50275*	51482*	59960*	Genesee River Basin		46018		legislation		91251*	
99252*	104593*	106558*	106579*	Germany		40723*		Mexico		80644	
bibliographies		74452		Ghana		11743		Minnesota		29943*	
purification	41232	74278	84744	Great Britain	11685	70710		Mozambique		58927	
97301	64596*			Hungary		60578*		Nebraska		19208*	
Indiana	33946	33949		Indiana		20948		Netherlands	40187	102136	
Ohio		54062		Indonesia		5972		New Jersey	48666	11724	
Pennsylvania		64709		Israel	29974	40183	102151	New York		80630	
purification equipment		39710		Italy	5971*	11770*	11778*	New Zealand	50364	40297	
quality	54065	54315	60670	Kennebec Basin		20852		North America		102112	
81341	91287	30784*	31790*	Lake States		70803		North Dakota		40260*	
94650*				Louisiana		60624		Poland	11764	40255*	
Canada		70805		Mediterranean area		38107		40301*			
Kansas	80578	80617		Mexico	20914	91251*		research methods			
Minnesota		84740		Minnesota	16990	40241		statistical	102128	102245	
Pakistan		20917		80503	80546			research programs		102246	
research methods		91318		Missouri Basin		2584		Rio Grande Basin		80543	
saline	11711	11735	19143	Morocco		70771*		Rumania	11425*	20936*	
39693	40252	41232	50291	mountain areas		50234*		South Carolina		80672	
58507	60670	80607	80655	Nelson Basin		20871		South Dakota		70734	
91325	102112	102191	11794*	Netherlands		80579*		Southeastern States		20859	
27956*	29955*	60294*	78464*	New England		50354		Southern Rhodesia		50265	
102145*	102220*			New Mexico	40287	40308		Sweden		40162*	
conferences and congresses		60592		50304				Taiwan	40231*	40311*	
storage	49654	80675	101890	New York		40205		Texas	66458	102131	102217
102154				New Zealand		50250		USSR	11740*	20881*	29956*
Arizona		70750		Nigeria	40194	40292		40243*	50221*	50279*	70325*
Colorado		70748		North Carolina		2579		70693*	71346*	78580*	78852*
China	60702	102118		Ohio		91326		79953*	80525*	80540*	80665*
Great Britain		91266		Pakistan		80501		91279*	96051*	101752*	102106*
New Jersey		102136		Pennsylvania		20943		102114*			
New Zealand		84742		Poland	40269*	40325*		Wisconsin		20831	
USSR	20819*	29989*		policies and programs		20817		waste	11225	60623	80649
supply	2105	2558	2560	Republic of South Africa		20838		91292	94041	2572*	20892*
2561	8032	11711	15374	20886	20927	20942	20928*	40036*	40235*	40258*	50295*
20565	20813	20846	20856					91949*	102188*	102226*	

\*Text of this reference is not in English.



Item			Item			Item		
Water-- Cont			Watermelons-- Cont			Watersheds-- Cont		
SEE ALSO Drainage; Drought; Floods;			culture--cont			management--cont		
Heavy water; Hot water; Humidity;			Japan		29125*	South Dakota		29656
Irrigation; Ponds; Precipitation;			Louisiana		10951	Southern States	60304	60307
Runoff; Sea water; Torrents; and			Thailand		49284*	study and teaching	39874	39875
SUBHEADS moisture; water rela-			USSR	39362*	69964*	60302		
tions; water supply; water systems			cytology	18767	37708	Sweden		39868*
UNDER specific subjects			diseases		99217*	Tanganyika		80240
Water conservation	2588	16998	fungus diseases	9169	27252a*	Tennessee		16991
20568	20946	20947	20960			Washington	50608	50636
20965	20975	30002	40250			West Virginia	29658	49938
40333	40337	40340	40342			80243		
40350	46035	46039	50355			Western States		49933
50372	50375	60571	70466			Michigan		102812
70702	80529	80691	80702			New Zealand	11829	49947
80712	80718---	80720	91236			49952	50302	
102247	102266	60714*				Ohio		39877
Alabama			Alaska		25454	Oregon		20971
Arizona	20954	70790	pest control		94377*	policies and programs	2307	7661
as an occupation	30032	76905	planting	20184	59850	20570	29655	39869
Australia	11753	80659	quality		29085*	39872	39875	39887
Burma	40170*	60585*	seeds	69159	9761*	49950	56698	101893
Canada	36413	60877	taxonomy		37708	Africa		2301
Ceylon		29988	thinning		59878	Canada		11440
China	60583	60702	varieties		79740	Connecticut		39893
Colorado		20966	29090*	59825*	89643*	Japan		39892
conferences and congresses		80693	virus diseases		9260	Maryland		11443
costs and returns		40327	27329a*			Missouri Basin		39884
credit		76009	vitamins		57140*	New Hampshire	20923	20924
Curacao		36397	yields	20184	59798	Pennsylvania		39878
Czechoslovakia		30438*	9761*		59878	projects		87316
Estonia		80679*	Waterproofing SEE UNDER Leather;			Kansas		80227
Florida		50371	Textiles			Michigan		76383
Germany		91623	Watersheds	20813	29651	Minnesota		91006
Great Plains		80701	60614	70812	101890	Montana		80218
history		91331	Alaska		90877	New Hampshire		20581
Iowa		11801	Arizona		20910	Oklahoma		91012
Mexico	80710	70689*	associations		39880	Republic of South Africa		50966
Minnesota		16990	bibliographies		50309	research methods		
Nebraska		20985	Colorado		80507	statistical	39883	49921
Nevada		20986	conferences and congresses		39885	49928	49932	49935
New Hampshire		70831	39886	70461		49939	49940	80244
New Jersey		60644	credit		7661	Rumania		11819*
New Mexico		50304	Georgia		29991	South Dakota		50307
New York		27008	India		29966	Sweden		50259*
Oklahoma		70828	Indiana		20948	Switzerland		50967
Oregon		20988	Iowa		2617	Tennessee		80998
Pacific Northwest		11824	Kansas		5638	Tennessee Basin		61243
policies and programs	8024	27015	Los Angeles Basin		40300	Water wound rot		
40327	70829*	70835*	management	2302	2304	potatoes		18130
Republic of South Africa		20990	20565	20568	23648	Watson-Crick model		27415*
Scandinavia		50248*	39871	39882	39890	Watsonia meriana		9580
situation and outlook		50393	49918	49921	49924	Watsonia pyramidata		9580
South Dakota		11816	49929	49930	49932	Wax esters		26098
Southern States		20992	49936	49937	49939---	Waxes	37949*	45197*
study and teaching	70817	70695*	49948	60297	60301	analysis and composition		55624
Taiwan		40195*	60306	60308	70466	71513		
Texas	2619	20866	70471	70810	76527	chemistry		91737
USSR	11758*	71339*	80228	80229	80237	in apples		18589*
Utah	20958	60731	91020	91024	102248	in Ceroplastes pseudoceriferus		105859*
Washington		21005	Arizona		39867	in Ericerus pela	105853*	105866*
Water core			Arkansas		80245	in Eriopeltis festucae		5423*
apples	6751	6753	as an occupation		17250	in fibers		15866*
Water mites SEE Hydrachnellae			California	20571	29649	in food preservation		85815
Water rights	2576	20862	60296	60722	79996	in fruit storage		85877
91261			91025			in insects		95185
Finland		2906*	Canada	20578	49943	in plants	27477a	38030
legislation	102175	29910*	Colorado		29660	97180	99865	100609
Nebraska		20949	conferences and congresses		49951	in sugarcane	26311*	66202*
Virginia		91261	Costa Rica		49931*	in veterinary medicine		21838
Western States		40302	desert areas		49933	in white clover		100241
Water tupelo SEE Nyssa aquatica			Europe	49946	50249	insecticidal		23289*
Watercress	1925	90513*	Germany		70463	SEE ALSO kinds of waxes		
Watergrass SEE Hydrochloa			Great Plains		27400a	Weather SEE Climate and weather		
Waterhyacinth SEE Eichhornia			Hawaii		80246	Weather fleck		
Waterlily SEE Nymphaea			Illinois		80234	tobacco	9919	77561
Watermelons			Indiana		80217	Web blight		100444
anatomy and physiology		20184	Iowa	60295	80233	beans		9019
9761*	89643*		Minnesota		80232	soybeans		9019
bacterial diseases		438	Mississippi		80225	Webbing clothes moth SEE Tineola bis-		
breeding		29090*	mountain areas	39881	49867	seliella		
conferences and congresses		96798	New York		20579	Weberocereus trichophorus		46865
96799			New Zealand	39881	49867	Weedazol		90589
culture	79740	29085*	North Carolina	2579	11444	Weeds		11050
Australia		101439	Ohio		91009	Alabama		11052
Brazil		79704*	Oklahoma	49926	91012	anatomy and physiology	9703	27906
Florida		59850	Pacific Northwest		81278	38224	60214	88611
India		59823	Pennsylvania	39878	49945	39478*		29292*

\*Text of this reference is not in English.

	Item			Item			Item	
Weeds-- Cont				Weeds-- Cont			Weeds-- Cont	
aquatic				control--cont			control--cont	
California			90749	chemical--cont			New Jersey	29180
control	27906	29357	70172	China	70150*	90676*	Northeastern States	79814
70182					101470*		Oregon	29235
Australia			2017	Delaware		29277	29373	29253
biological	70158		70160	Denmark	284*	2801*	Pecos Basin	11116
California	29382		90680		70082*	101587*	policies and programs	10991
chemical	29146		29324	Europe		11089	11028	11047
	49414	49431	49432	Finland		2047*	90620	11051
	90606	90624	90673	Florida		2049	California	29323
	29360*	59952*		Georgia	29215	59944	Georgia	90660
Australia	11093		70055		60737	59953	Mississippi	90623
Florida			90642	Germany		29297*	New Jersey	29242
Germany					59914*	59969*	public health aspects	29339
East Germany		101524*			90604*		public relations	10997
Illinois		11045		East Germany		49461*	reviews	79773
Italy		20296*			60003*	102186*	Rumania	70680*
Missouri		101508		Great Britain		2026	Southern States	90720
Netherlands	49473*	79813*			39486	39489	study and teaching	90748
New Zealand	20282	70128			39580	49412	245*	
Western States		29368		Hungary		49485*	Sweden	101505*
Finland		2057*		India		60002	USSR	20281*
Germany				Iowa		11111	control equipment	15223
East Germany		90741*		Italy	2025*	20296*	China	95806*
Italy		20225*		Japan	20311*	29229*	Denmark	64528*
Mexico		20299*			29249*	29284*	Germany	53702*
New Jersey		29383		Kansas		59973	Hungary	74138*
New Zealand		39462		Latvia		11037*	Japan	84421*
Pakistan		29351		Maine		59995	operation	64522*
Sudan		39536		Malaysia		20317	USSR	53700*
Western States		2061		Massachusetts		29156	Denmark	20263*
costs		90705		Michigan		90630	diseases	8939
control equipment		95822		Minnesota	20219	20264	dissemination	11010
Bulgaria	59956*	79821*		Nebraska		70071	90592*	
Chile		39440*		Netherlands		20287*	ecology	18451
conferences and congresses		79864			39433*	39492*	99750	101477
California		90603			39508*	39551*	Germany	89053*
Great Britain		39441			90698*		East Germany	78071*
Oregon		29303		Nevada		11056	Great Britain	39544
Southern States		90719		New Hampshire		20270	Switzerland	37548*
control	11026	11073	11082	New Zealand	39521	70145	88974*	
29213	29345	29349	79788		70165	70175	feed	81657*
90643	101577	49445*		Nigeria		49511	fungus diseases	47271
advisory services	11041	11107		North Carolina		90748	Germany	49406*
11124				Northeastern States		29142	germination	29175
biological	23266	32605	42373		29191	29327	Great Britain	20265
20266*	68040*			Northern Ireland		90701	Hawaii	49420
Arizona			29165	Norway		79830*	history	79136
Australia			32599	Oregon	11121	29143	Hungary	29200*
bibliographies			4646		29376		identification	11031
Canada			94029	Pennsylvania		29300	Alaska	39498
Hawaii	4640	4653	2055*	Republic of South Africa		39499	Australia	2054
New Zealand			73073	South Dakota		59938	Canada	59919
reviews			42452	Spain		90684*	Germany	59957*
Tropics			52746	study and teaching		90708	Illinois	59922
burning	11092	20292	33774	Sweden	20289*	29218*	New Zealand	70104
43529	43545	70091	74139		79767*	79793*	India	1543
Arkansas			39522		101452*	101500*	79785	90694
France			20315*	USSR	32614	17954*	Iowa	101562
Indiana			59959		49400*	49407*	Ireland	29237
Louisiana			64530		79777*	79778*	Italy	59920*
burning equipment			29283*	Vermont		29206	Japan	29145*
California			29152	Washington		60014	Mauritius	29330
Canada		10999	20230	conferences and congresses		49512	Mexico	49474*
chemical	11001	11025	11110		49513	59970	Missouri	20216
20247	29163	29186	29269	New Zealand		70139	morphology	58236*
29275	29282	29312	29314	North Central States		11081	nematodes	37499
29328	39554	40355	49417	Northeastern States		29298	New Zealand	70085
49426	49437	49441	53816	costs	11057	12051	North Central States	11019
59989	63623	70056	84579	43529			Northern Rhodesia	18420
90587	90609	90641	90644	Great Britain		59971	pests	14561
90681	90712	99164	101491	Poland		101580*	research programs	101577
101492	101538	101578	20276*	Wyoming		11059	Rumania	79771*
43667*	59992*	70192*	79795*	Czechoslovakia		79823*	seeds	18923
79825*	90638*	90731*	90742*	Denmark		2042*		86421
101455*	108211*			Europe		39516*		89466
Arizona			70101	Finland		70165*		37782*
Arkansas			79757	Germany	39541	20262*		59992*
Australia		11036	20242		59976*	90725*	dissemination	11113
	20269	70097		East Germany			identification	1459
Austria			64522*			90703*	39469*	55361*
Bulgaria			79821*	Great Britain		20250	Sudan	9703
California		29154	29164	Idaho		2059	Trinidad and Tobago	70095
	29318	90598	90627	labor		49408	USSR	2022*
	101504			legal aspects		11027	virus diseases	18271
Canada	11006	29209	39471	90743			Wisconsin	11102
	39554	79839	79843*	Middle Western States		11080	Wyoming	20284
				Mississippi		70098		

\*Text of this reference is not in English.



Item			Item			Item		
<b>Weeds--Cont</b>			<b>Western yellows</b>			<b>Wheat--Cont</b>		
SEE ALSO Brush; Herbicides; Poisonous plants; names of weeds; SUB-HEADS canals and ditches, weed control UNDER Drainage; Irrigation; in weed control UNDER Fish; Tillage; weed control UNDER Forests; Lawns; Nurseries; Pastures and meadows; and names and classes of plants			beets		77951	associations	1510	85984
Weender test	107090*		sugar beets		14112	107457*		
Weeping lovegrass SEE Eragrostis curvula			Wet belly			Australia	880	79115
Weeping willow SEE Salix babylonica			minks	52071	92812	awns	99865	37732*
Weevils				92824	92826	bibliographies		1479
as pests				104070		biochemistry	396	1376
Australia	4831	83880	Wetting agents SEE Surface-active agents			7057	19308	19366
Austria		94338*	Wetwood			19440	28328	38534
Canada		23283	Abies sachalinensis		71305*	48575	48581	48646
Germany	83475*	105284*	Weymouth pine SEE Pinus strobus			78610	78925	78989
Southern States		14263	Whale meat	55432	25956*	89884	89885	89886
Switzerland		4837*		97150*		89884	89885	89886
broods	105624*		feed			100635	100654	10256*
control	42674	105216	flavor and odor		96681*	28405*	38516*	38634*
chemical	73215*	83403*	Whartonia		7164	48423*	48570*	48588*
ecology	105657	52943*	Wheat	1513	63902*	69229*	69230*	69292*
habits and behavior		5072		16145	25581	78960*	79055*	89196*
identification		42983		44927		100583*	100586*	100628*
insecticide resistance		52729	abnormalities		18680	100715*	100718*	
populations		94928*	acreage and area		55341	breeding	10379	19486
variation		5208		75403	55306*	19556	37912	37913
Weidnerianella n g		64131*	advertising		25626	48695	58445	59217
Weigela		49247*	agreements		8202	90020	841*	59158*
Weigelia SEE Weigela			analysis and composition		6949	59221*	69389*	79216*
Weights and measures	66872	106663		7026	16131	89245*	90042*	
87858*				34905	34930	Argentina		19488*
California		54207		75426	75487	Australia		47413
conferences and congresses		64834		85977	85985	Bulgaria	38767	48713
India		44062		16091*	21759*	90039*		
legislation	54206	64825		25709*	34867*	Canada	1511	19526
SEE ALSO Scales (weighing instruments); and SUBHEAD weight and measurement UNDER specific subjects				44838*	55276*	42609	48698	100860
Weinmannia	84*	46822*	anatomy and physiology		55284*	Czechoslovakia		79138*
Weirs		80658*		928	1062	Germany	10315*	10355*
Welding	5838*	106235*		1172	1181	East Germany	38707*	90057*
equipment	43644	64519		8995	9705	Hungary	58429	59259
15216*	15217*	84741		10004	10034	38683*	38721*	38733*
Welfare SEE Social welfare				10320	18785	38745*	38758*	38763*
Wells	5970	20874		18979	19018	38782*	90030*	90033*
Arkansas		11714		19094	19103	India		79120
artesian	11754	60594		27720	27795	Israel		90009*
43872*	102106*	40289*		27973	28006	Italy		79127*
Canada		24307		28142	28204	Japan		37917*
construction	43869	64708		37208	38043	Netherlands	59167*	69377*
Hungary	2525*	60635*		38135	38228	Pacific Northwest		10365
South Dakota		102223		38343	38348	Pakistan		37860
equipment	54061*	84746*		38381	38420	Poland		38786
India		50244		48054	48081	reviews		10317
Mozambique		29943*		48300	48312	Sweden		59207*
Nevada		2552		48432	48499	USSR	38757	79204
South Dakota		70776		58461	58654	1536*	10341*	19528*
Taiwan	40235*	40311*		68708	68768	38711*	38768*	38769*
Texas	80573	102131		68998	69030	48712*	48731*	48739*
Weltmann's serum test		13394*		69149	78380	48763*	78296*	79153*
Welwitschia mirabilis	27535a	89164		78610	78759	79194*	79203*	96969*
Wenckebach's period		22418*		89434	89509	100823*		
Wesmaelius		106137		89576	89683	care and handling		55280
Western black flea beetle SEE Phyllostreta pusilla				89750	89765	chemistry	7070	34930
Western corn rootworm SEE Diabrotica virgifera				100117	100176	107427	7046*	
Western hemlock SEE Tsuga heterophylla				988*	997*	cleaning		25748*
Western hemlock looper SEE Lambdina fuscicollis				1159*	9442*	conditioning		34888*
Western larch SEE Larix occidentalis				9913*	9941*	reviews		25739
Western oak looper SEE Lambdina fuscicollis				10093*	18872*	conferences and congresses		1510
Western pine beetle SEE Dendroctonus brevicornis				19046*	19065*	44847	107499	
Western redcedar SEE Thuja plicata				19196*	19203*	consumption	55333	75406
Western wheatgrass SEE Agropyron smithi				27803*	27816*	87716*	96988*	
Western white pine SEE Pinus monticola				27922*	27994*	contamination		9619
Western X				28136*	28198*	25652	75465	75474
celery	23216			37664*	37953*	84930	86017	96993
				38266*	38289*	44821*	55361*	75433*
				38454*	38459*	contests	69393	79178
				47955*	47972*	cooking		27332
				48195*	48206*	costs and returns		25608
				48341*	48357*	Brazil		26914*
				48445*	58317*	Canada		76387
				58710*	58744*	Great Britain		66911
				58835*	68702*	India		76410
				68931*	68979*	Malawi		91315
				78192*	78436*	Montana		97810
				78535*	78571*	Northern Rhodesia		91315
				78716*	78717*	Ohio		56562
				78805*	78818*	Scotland		76431
				89374*	89415*	Southern Rhodesia		91315
				89514*	89524*	Wyoming		26801
				89634*	89645*	culture	39832	1518*
				89747*	94328*	Argentina		19492*
				100252*	100261*	Arizona		69391
				100544*	100324*	Australia	69413	100800
								100838

\*Text of this reference is not in English.

	Item					Item					Item			
Wheat-- Cont					Wheat-- Cont					Wheat-- Cont				
culture--cont					enzymes	16102	44843	78972	fungus diseases--cont					
Austria			107490*		86013	89867	89884	89943	47371	47377	47911	59737		
Bulgaria	38712*	38760*	79154*		107458	35171*	38491*	38516*	68148	68174	68196	68221		
Canada		68824	91192		44945*	48570*	48588*	58959*	68228	69309	88750	99390		
China	47698	89968*	89991*		69292*	75383*	100586*		99508	389*	18088*	18089*		
99254*					equipment	43538	53708	33598*	68227*	68233*	88732*	88762*		
Colombia			19490*		64335*				88828*	89245*				
Finland		50058*	100847*		European Economic Community	6995			Argentina		27129a*	68117*		
Florida			28465		farms			76355	Australia		47413	88823		
France			59184		Australia			76355	Canada	9155	77696	77699		
Germany	38707*	59143*	69376*		Montana		56429	97810	77799	77837				
Georgia			28463		South Dakota			75360	Colombia			68164*		
Great Plains			39538		Washington			106221	conferences and congresses			47259**		
Hungary		38727	59178		Wyoming	26800	26801	26802						
48697*	79129*	90030*	100867*		fat and oil content			34867*	control	404	37222	37316		
Idaho		20697	38361		feed	6585	25097	42146	37329	68102	77660	99319		
India	11763	59141	59200		42239	93152	107084	107095	27120a*	57903*				
68673	79168				31778*	32365*	93042*		Australia			9007		
Iraq			79170*		fertilizers	1084	2361	2423	Austria			58038*		
Ireland			10333		10050	19036	19047	20633	biological			1518*		
Italy	10369*	19506*	19567*		38322	50096	50147	60312	Canada			9076		
38781*					60530	91214	27890*	58815*	China			99379*		
Japan			28507*		70407*	78717*	78805*	89524*	Germany	27090a*	57904*			
Kansas		19483	38717		89634*	91067*			East Germany	27223a*	88812*			
Malawi			90049		Argentina			20606*	Japan			18145*		
Mediterranean area			27922*		Arkansas			11641	Middle Western States			88810		
Montana			38361		Australia	2414	11475	40003	Minnesota			88809		
mountain areas			10369*		70605	80259			Netherlands			27256a		
New Zealand			100776		Austria			40050*	USSR	27242a*	37203*			
Northern Ireland			100837		Bulgaria	29715*	39987*	40109*	Washington			68140		
Northern Rhodesia			90049		91141*	101937*			Europe			37240*		
Paraguay	79193*	79224*	79225*		Canada		38681	91192	Germany	27087a*	27230a*	37239*		
Philippines			19574		China		60400	101991	47282*	47955*	68114*			
Rumania	10356*	11657*	11682*		Colorado		39917	60340	Great Britain		18138	27176a		
29847*	59228*	90046*			Finland			50058*	68125					
South Dakota			59243		Germany	10315*	39953*	48387*	Greece			47388		
Southern Rhodesia			90049		70632*	91102*			Hungary			47283*		
Switzerland			10326*		Great Britain	91068	20625	20704	India	847	851	10386		
Texas			79195		Hungary	20593*	39971*	50055*	18103	18177	47353	47368		
Thailand			48762*		50056*	79130*	80348*		79196					
USSR	1517*	2500*	8901*		Idaho	20692	20697	20745	Iran			47327		
29691*	60548*	79121*	90026*		India	11476	11763	20298	Italy	27134a*	47206*	47383*		
90027*	100882*				20639	40061	50047	60378	99492*					
cytology		602	656		60403	68673	78763	80364	Japan		93042*	99510*		
738	852	18667	18680		80618	102045			Kansas			88837		
18754	18755	27475a	27552a		Italy	20689*	39928*	39929*	Kenya			47263		
27579a	27638	37687	37687		50086*	91041*			Lithuania			47220*		
37759	38343	68499	78115		Japan			29728*	Mediterranean area			37240*		
78218	99865	100075	646*		Kansas			28080	Mexico			57959*		
674*	9394*	9440*	27469a*		Malawi			91182	Middle Western States			88722		
58265*	58270*	78192*	89142*		Michigan			70555	Minnesota			88837		
damage			15142		Nebraska			11624	Montana	9135	47192	47374		
defects	6948*	34892*	55262*		New Mexico			40104	47375					
75430*					Northern Rhodesia			91182	Morocco			47305*		
disease resistance	9588	18692			Oklahoma		20774	60520	Nebraska			88837		
18746	37193	37908	47371		70546	80414			Netherlands	8987	9173			
47850	47911	58453	68642		Poland			2445*	58024	8993*				
78315	88722	1518*	18078*		Red River Valley			29809	New Jersey			99332		
18146*	47072*	47234*	47382*		reviews		70622	91162	North Dakota			88837		
48691*	88732*	89245*			Rumania	11479*	60355*	60376*	Pacific Northwest			77714		
Australia		47413	90081		60462*	91060*	100715*	101572*	Pakistan			99367		
California			79220		102030*				Philippines			47404		
Canada			48698		Southern Rhodesia			91182	Portugal	397*		18078*		
Germany			27230a*		Spain			2390*	reviews			18198		
Hungary	37193	37283	57958		Sudan			60323	Rumania	9118*	68230*	99280*		
India	847	10386	79196		Sweden	2338*	2347*	2398*	Scotland			27150a		
Israel			90009*		Tennessee			29739	South Dakota			88837		
Japan			99510*		Texas			50118	Spain			47344*		
Sweden			59207*		USSR	2360*	2374*	11449*	Sweden		27076a*	59207*		
USSR			38711*		11484*	11608*	29726*	29818*	Switzerland		9001*	18067*		
Yugoslavia			57981*		50123*	60435*	60493*	70563*	37182*					
diseases	37057	88597			70607*	70608*	80345*		USSR	37335*	37369*	47234*		
drought resistance	27795	78532			United Arab Republic			101953	99485*					
48462*	69103*	78768*	86012*		Utah			20714	United Arab Republic			47320		
89622*	89730*				Washington		91097	91132	Yugoslavia		18154	47390		
drying	25637	44855	44890		Yugoslavia			40062*	9071*	57981*	57984*	99456*		
74113					for processing			90002	genetics	782	801	803		
Great Britain	6990	107098			forage plant	454	18746	19492*	819	834	839	847		
drying equipment		24101			frozen			74113	852	861	867	868		
dwarf	802	19476			fumigation			83528	877	9546	9588	9590		
28509					fungus diseases		373	396	9606	9619	18692	18724		
ecology		38727	59201		405	1172	8980	8995	18729	18744	18747	18754		
88987*					9097	9132	9161	18053	18757	18775	18776	27662		
Bulgaria			37609*		18095	18746	27152a	27256a	27720	27722	37860	37861		
China			47698		37198	37208	37317	37326	37864	37868	37872	37903		
Hungary			37587		37908	38232	47264	47370	37908	37912	37914	38782		
research methods									47850	47877	47911	68639		
statistical			27414a*											

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.



Item				Item				Item			
Wheat-- Cont				Wheat-- Cont				Wheat-- Cont			
genetics--cont				irrigation--cont				pest control--cont			
68642	78234	78239	78308	Idaho			20692	cultural			105195
78315	78330	79196	100023	India	11763		68673	Near East			52905
100025	100075	100083	818*	Kansas			28080	Netherlands	32764*		83306*
841*	27729*	47884*	47896*	Malawi	50262	91182	91315	New Zealand	73174		73232
57937*	58370*	58390*	58422*	Northern Rhodesia			91315	Scotland			73217
58423*	58426*	58429*	58431*	91182	105217			Tennessee			23258
58443*	58445*	58453*	68643*	Southern Rhodesia			88597	pest resistance	14104		23066
78285*	78296*	78311*	78312*	91182	91315			42609	83170	47072*	
89245*	89279*			Spain			2390*	pests	4826	14104	14145
conferences and congresses		873		Texas			50118	23612	27303a		
37913				USSR			60673*	Canada			23931
research methods				labor	7731		79170*	habits and behavior			23789
statistical		18688		legal aspects			26510	India			14088
Germany		65665		legislation	7028	25613	54792	Iran			105803
germination	9947	38228	48575	55255	65667	75361	75479	Middle Western States			42576
58317	78527	89862	957*	male-sterile		19308	58425	outbreaks			32764*
1052*	18950*	38084*	38516*	58426	100078*			Northern Rhodesia			105217
38634*	47996*	48570*	55319*	malting		44914*	44916*	Pakistan			105832
58959*	68688*	89471*	100847*	marketing			86046	Philippines			52826
grading and standardization		25558		Australia			6956	Poland			94284
25760	34877	44857	55317	Canada	25097	25723	34933	USSR	42601*	83325*	105692*
75424	86064	96940	96972	75374	85922			physiological diseases	28111*	89586*	27876*
97000	44879*			Germany	6993*	16148*	25643*	planting			
Australia			107479	65747*				Argentina		1181	28212
Canada			86064	Middle Western States			96986	Australia	9705	10320	19564
hardiness	19480	19527	38786	North Dakota			25548	69398			
58797	68793	78691	78296	Oregon			65738	Bulgaria			38688*
100860	105195	9784*	10341*	Spain			86032*	China			90021*
19535*	27890*	28037*	28237*	microorganisms	55305		55738	East Germany			59244*
38377*	38387*	38454*	38459*	25648*			454	Hungary	11659*		79130*
38768*	38769*	48074*	69155*	milling and baking quality			16119	India			19474
78833*	78848*	89735*	89743*	7023	7067	7070	28560	Italy			59179*
100499*				18745	25609	27344a	58422	USSR			1474*
harvesting	19492*	55276*	90016*	44884	47879	55231	6993*	planting date	23789	389*	988*
harvesting date		1490*	69375*	65665	85933	6983*	6993*	9941*	10341*	83388*	88762*
harvesting equipment				6996*	6997*	19171*	25610*	Austria			38748*
Australia			15142	25730*	34888*	44838*	44871*	Canada			38681
France			43559*	44880*	44914*	44916*	48675*	China			100252*
Germany			25644*	55221*	55222*	55240*	55336*	Denmark			100845*
New Zealand			24101	65767*	69389*	75431*	75432*	Finland			100871*
Poland			59238	83325*	85930*	85979*	96975*	Hungary	37891	11659*	19565*
USSR			33728*	97007*				48716*	79130*		
history	78048	86030	28564*	Asia			44960	India			19544
38784*				Australia	6945	25676	65709	Nebraska			19510
Japan			25655*	107427			25741*	Poland			28518*
USSR	16092	16093	25599	Austria			75407*	USSR			90027*
25600	25601			Canada			75402*	planting equipment			64429
hybrids	801	803	819	Colorado			55334*	policies and programs			6950
1519	1526	6965	9546	Europe		44960	55334*	6982	6998	7041	7062
18747	37832	47879	48683	France		85982*	96978*	25603	25608	25613	25697
58426	59149	59232	59257	Germany	7035	10355*	25699*	34949	44972	55252	55270
78218	90002	90020	90041	44876*				55271	55373	55374	55375
10329*	19534*	19543*	47857*	Great Britain			16104	65695	65764	75386	75401
58443*	68643*	79116*	89245*	India			7022	75403	75437	75483	86046
99912*				Italy			34857*	86048	86937	107509	107531
Bulgaria		38738	90039*	Netherlands			65672*	Australia			107432
Germany				75370*				Austria			107490*
East Germany			90060*	North Dakota			65699	Canada		36083	44842
Hungary	37914	38777	59259	Poland			65671*	Colombia			75369*
India			79120	Sweden		44971*	75409*	Italy		34849*	55315*
Italy			59241*	USSR	78791*	86012*	90061*	Kansas			25657
Japan			37879*	96969*				Poland		55299	55306*
Pakistan			37861	moisture		55353	74113	Republic of South Africa			7045
reviews			10317	75399*	89471*	96999*		55345			
Spain		1524*	59202*	molds			34861*	South Dakota			75360
Texas			19553	morphology	680	1246	37785	Spain			97013
USSR	27719*	28528*	90025*	78115	78239	89162	100028	Virginia			75428
100546*				18620*	27459a*	27469a*	27500a*	Washington		107442	107443
hydrogen-ion concentration		25775		37664*	37732*	47796*	58323*	107537			
industry		86030		68437*	68567*	78150*	78208*	Yugoslavia			55355
Australia		34920		89196*	99912*			pollen		602	19308
Canada		25755		nematode resistance			79216	78711*			
France		96978*		nematodes	481	479*	488*	pollination	27719*	58323*	68643*
Italy		86018*		47569*	57984*	68306*		78711*	78794*	79194*	100302*
Nebraska		107500		nutritional deficiencies	48230	89547*	9795	100546*			
USSR		55357*		nutritive value			8355	prices	7049	25611	55327
injuries	57849	89683	99214	46479	46480	96934	17238*	55333	75406	86009	107430
8977*	70190*	77535*	99254*	36378*	79158*			44942*			
Australia		2048	37057	pest control		23210*	63600*	European Economic Community		86018*	96959*
India		17923	80618	Angola			4829*	France			25584*
Montana			56429	Bulgaria		83388*	94328*	Germany			107467*
North Dakota			99179	chemical		63588	63564*	Oregon			65738
irradiated			7046*	Bulgaria			63600*	Spain			34872*
irradiation			7019	Germany			42572*				
irrigation			1135	Netherlands		73214*	94317*				
China		89374*	91313*								

\*Text of this reference is not in English.

	Item				Item				Item		
Wheat-- Cont				Wheat-- Cont				Wheat-- Cont			
prices--cont				situation and outlook--cont				trade--cont			
support	55255	75396	76777	Australia	65723	96948		Canada	27281	36083	36271
96940				Brazil		65729		China			36083
Washington		107468	107469	Canada		75377		Colombia			98300*
processing	25743	25744	44836	China		55257		European Economic Community			46355
48695	55293	65718	85894	Colombia		75369*		history			27246
55365*	66053*	85958*	86039*	Germany		7034		Latin America		8261	46388
production regions		44863	65676	India		44856		Mexico			87653
107486				Italy	44848*	55232*		USSR	27281	34909	36265
products	44948	44968	46473	Japan		34916*		36271	45711	36212*	87659*
100468	25688*			USSR		96977		USSR bloc		17154	36265
canned			6978	soils	27973	29582		56974	56978		
Turkey			55367*	39832	89750	101829		transportation		34909	25614*
propagation			47857*	29574*	49826*	70391*		types		55280	58815
properties	38707*	55311*	75455*	90914*				65756	75402	75406	75442
85924*	96941*	96975*	107513*	Argentina		20606*		75477	85959	86031	89705
proteins	16123	16175	17235	Australia	10320	11475		97006	107460	389*	6955*
19366	20633	25558	25566	91212				9442*	18620*	25595*	27803*
25767	28328	34905	38757	Bulgaria	77535*	78571*		27835*	27890*	34867*	38056*
48112	55369	58422	58654	101937*				38377*	38459*	44838*	44884*
58797	65718	68824	75393	Canada		50068		55240*	55365*	59158*	65727*
75450	78763	86004	89418	Germany		9889*		68702*	68979*	69155*	75390*
89561	89884	89885	89886	Great Britain		70691		75431*	78485*	78588*	78717*
96934	107431	107460	28528*	Hungary	11659*	11661*		78803*	78833*	78848*	86039*
34870*	34886*	34908*	34931*	39971*	80461*			89432*	96994*		
38322*	48731*	55319*	65692*	India		11476		Australia			9606
68979*	69292*	75453*	79055*	Pakistan		19480		Bulgaria			69422*
79158*	85925*	96941*	96975*	Poland				Canada		1511	85922
100160*				Rumania	2465*	60462*		75407*			
quality	6992	10050	16152	91060*				China			90073*
55369	65668	65718	78307	USSR	29818*	48731*		Dominican Republic			1535*
86064	1490*	9780*	25575*	70563*				France			96978*
25576*	34861*	38491*	75390*	spoilage				Germany	9780*	25682*	44930*
78717*	78805*	85924*		sprouted	1137*	8582*		47282*	89747*		
Australia	6956	16112	65709	75409*	75431*			East Germany			32365*
75448				statistics	55374	55379		Great Plains			25626
Czechoslovakia			25709*	107531				Hungary			37894
Germany	16148*	25644*	44970*	France				Ireland			10370
55259*	107467*			India				Italy	19567*	34849*	39929*
Hungary		38758	59231	Nebraska				47896*			
India		16073	80618	North Dakota				Kansas			55364
Middle Western States			97003	Oklahoma				North Dakota		25546	25548
North Dakota		25548	25549	Pakistan				25549	48706	65700	
65700	85972			Poland				Oklahoma			25727
Oklahoma			25727	Spain				Sweden			25638
Pakistan		19479	25559	Washington		44977		USSR			
Poland			38685*	storage	34959	55280		2500*	34870*	48462*	48712*
Rumania			90000*	34892*	55319*	75383*		70414*	78208*	78296*	79153*
USSR	38757	48731*	79157*	Colombia				79203*	79204*	86012*	89622*
83325*	90025*			diseases				90073*			
regulation and inspection			6993*	humidity				utilization research		44928	55267*
research methods				New Zealand				varieties		630	852
statistical		44856	68708	North Dakota				1181	9590	9879	10074
78239	85997			pest control		42741		10319	10349	10366	10374
research programs		65756	107489	83528	42742*			10380	18745	23789	28560
seeds	928	37628	66162	chemical				38721	38228	47371	47911
27459a*	27882*	28405*	37692*	India				55366	59201	68793	78610
38289*	58744*	69305*	78960*	Washington				85933	88750	89162	100870
89279*				pests				107486	19127*	28564*	38454*
certified			86434	Rumania				48691*	69155*	70407*	75390*
Finland			50058*	South America				79158*	85902*		
India			19474	temperature				Albania			28493*
injuries			311*	ventilation				Argentina			10309*
Ohio		26234	86435	surpluses				Australia	16123	38708	48230
storage			89471*	testing equipment				59150	65709	69393	69399
treatment	404	38343	63588	tests				80259	90019	100826	107427
105156	27223a*	37134*	42572*	16112	25548	25661		Austria	25741*	48724*	69419*
69103*	78312*	88812*	94328*	25733	25767	25778		Bulgaria	38688*	38720*	38759*
Canada			9076	34880	34940	34959		38761*	39987*	69422*	78571*
France			89471*	55385	65683	65700		79147*	79192*		
Germany			27090*	75448	86064	6957*		California			79220
Japan			17963*	16137*	25575--	25577*		Canada	1493	1495	1538
Scotland			73217	25595*	25730*	34886*		48741	78532	105202	
Texas			58564	44871*	44876*	55221*		Czechoslovakia			79138*
Washington			57855	55259*	55272*	55311*		Denmark		19500*	90011*
USSR	28500	1536*	90027*	65674*	65767*	75368*		Dominican Republic			1535*
vernalization			9066	thinning				Finland		1496*	1497*
38202	38354	38534	58982	trade				France	59164*	75375*	89514*
89418	89705	18986*	19065*	17182	27181	27251		100796*			
28120*	48423*	89658*	100475*	36265	45711	46350		Germany	19517*	25699*	27230a*
viability		37864	100302*	46355	46357	46376		58639*	85930*	90011*	91102*
USSR			100852*	46388	56974	56978		Great Britain			28464
situation and outlook		7031	25611	76777	86937	98331		Hungary	37283	37587	38733
25684	44902	55379	65695	36212*	76755*	87716*		59231	28472*	59140*	79130*
75406	75442	75468	107430	Africa				India	10386	17923	19544
65727*				Australia		6956		59213	59250	68673	96934
Argentina		16085*	16086*	46415	67370			107431			
16087*											

\*Text of this reference is not in English.



Item			Item			Item		
Wheat-- Cont			Wheat-- Cont			Whipworms		
varieties--cont			yields--cont			dogs		
Indiana		10318	Finland	100847*	100871*	swine	31575	92701
Italy	19494*	34857*	France		75375*	104881*	32522*	62900*
38781*	48675*	48688*	Great Britain	19472	27176a	White ants SEE Termites		
59140*	59159*	65671*	38713			White ash SEE Fraxinus americana		
79147*			Hungary	37587	38727	White clover		
Japan	18753	10357*	19565*	20587*	38745	abnormalities		626
Montana		59266	India	11476	19544	analysis and composition		44396
Nebraska	38703	85991	59141	59200	60378	anatomy and physiology	9782	68809
Netherlands		8993*	78759	80364	80618	68881	69128	78398
New Zealand		28451	Indiana		102048	78867	89332	89770
North Dakota	65699	90018	Ireland		10318	27925*	69116*	99625*
Northern Ireland		59190	Italy	71338	91041*	biochemistry		28283*
Ohio		28483	Montana	56429	97810	breeding	59392	78398
Oklahoma	19561	69435	Nebraska	38703	100783	contamination		104999
90050			New Mexico		40104	culture		
Oregon		19578	North Dakota		48706	Belgium		1635*
Pacific Northwest	25562	25569	Ohio		28483	Colombia		10494*
28809			Oklahoma	19561	69435	Florida		100974
Pakistan	19479	19480	80414			Great Britain		89332
100791		19527	Oregon		19578	Netherlands		79345*
Poland		38420	Pakistan		100791	Poland		28628*
28481*	28532*	34885*	Poland	28532*	59210*	ecology		89006*
48675*	59210*	65671*	Republic of South Africa		29873	fertilizers		69116*
69407*	69432*	90011*	research methods			fungus diseases	27218a	77682
Portugal		19481*	statistical		28447	genetics		9556
Rumania	59181*	59192*	Rumania	2465*	11657*	hardiness		1622
90000*	90067*	100768*	59205*	101572*	50986*	hay		4297
South Dakota		79113	Spain		1524*	hybrids		18723
Spain	1483*	38740*	Sweden	2338*	2398*	Japan		626
Sweden	96971	48943*	Tennessee		23258	nematodes	58117	77957*
90011*	100785*	59177*	USSR	28500	29726*	nutritional deficiencies		100459
Switzerland		10326*	60435*	60493*	48751*	pest control	73246	77682
10393*	10394*	19501*	80345*	90025*	90027*	pests		14653
Texas		90072	100302*			planting	10445	89770
USSR	28534	1472*	United Arab Republic		101953	pollination		32936*
1490*	1509*	9941*	Utah		20714	seeds	9782	59392
28454*	28508*	34864*	Washington		91097	1635*		
38760*	47234*	47382*	SEE ALSO UNDER Pools			soils	10445	100489
48704*	48739*	48751*	Wheat curl mite SEE Aceria tulipae			69116*	10445	100974
79157*	79162*	79185*	Wheat flakes		96958	varieties	10435	48098
90084*	100843*	90061*	Wheat germ			10460*	100919*	79285
Washington		91097	chemistry	55277	57138	virus diseases	27323a	83333
Wyoming		19530	enzymes	55323	55371	99625*	99657*	
Yugoslavia	79160	57981*	107451*			weed control		20240*
virus diseases	454	23217	feed		32367*	yields	89332	69116*
27344a	37459	47560	grading and standardization		44954*	White fir SEE Abies concolor		
99622		73203	nutritive value		57142*	White grubs		32767
Canada	77872	77897	processing		44885	White leaf		
control		73232	vitamins		57142*	rice SEE Hoja blanca, rice		
Italy		37423*	Wheat germ extract	34891*	55297*	sugarcane		27326a
Montana		27303a	85965*			White-lined sphinx SEE Celerio lineata		
transmission	14145	27303a	Wheat germ oil		92794	White muscle disease	12612	103256
32796			Wheat referendum	55252	55270	61871*		
vitamins	17233	68148	Wheat starch	16131	25570	cattle	72771	3703*
weed control		38135	hydrolysis		25719	72125*	103644*	103690*
Australia		2048	manufacture		25728	prevention		31465*
chemical	29305	78524	oxidation		16164	treatment	72308	41588*
Australia		11088	products		71545	dogs		3855
Canada	101549	39442	properties		75209*	ducks		72654
Great Britain		29238*	tests		34932	poultry	4171	32119
Italy		20313*	Wheat stem sawfly SEE Cephus cinctus			72646	72659	13518*
Japan		101572*	Wheatgrass SEE Agropyron			sheep	13667	52436
Rumania		70099*	Wheels	64573*	24182	Australia		22813
Sweden	11017*	11104*	64573*		43718	treatment		4388*
USSR		79867*	Whewellite SEE Calcium oxalate			prevention		13702*
101543*			Whey	34417	40383	swine	65829	13876*
France		90632*	analysis and composition		15644	83025*	104928*	42309*
Germany		78506*	15656			reviews		63290*
India		20298	chemistry		74807*	treatment		83053*
Italy		49459*	contamination		74750	turkeys		22683
New York		29212	culture medium	25105*	96700*	SEE ALSO Arthritis		
Rumania		2021*	dried	22905	54547	White mulberry SEE Morus alba		
Sweden		101499*	decomposition		91415	White oak SEE Quercus alba		
yields 1084	18053	20633	feed	3497	22905	White peach scale SEE Pseudaulacaspis		
48499	60312	60530	12503*	51787*	52558*	pentagona		
88750	9941*	27890*	74928*	75009*	75050*	White pine SEE Names of white pines		
78805*	86032*	97007*	92339*	104787*		White-pine cone beetle SEE Conophthorus		
Argentina	16085*	16086*	fertilizers		91305	coniperda		
19488*	20606*		processing	74936	74928*	White pine weevil SEE Pissodes strobi		
Australia	10320	19564	proteins	62182	96418	White poplar SEE Populus alba		
48230	69413	90019	96594*		54488*	White root		
Austria	19035*	48724*	SEE ALSO UNDER Buffalo's milk;			Hevea		9111
Bulgaria		38759*	Goat's milk; Sheep's milk			Hevea brasiliensis		99470
Canada	38681	38773	Whey test		34340*	White rot		
50186		50068	Whipscorpions SEE Pedipalpida			onions		332
Denmark	19500	100845*				White spotted kidney		82188*

\*Text of this reference is not in English.

	Item		Item		Item
White spruce SEE <i>Picea glauca</i>		Wildlife-- Cont		Wilt-- Cont	
White sweetclover		diseases	14007 14021 53183	persimmons	9166
anatomy and physiology	68681*	71759*	103179*	pigeonpeas	88822
biochemistry 28388	1415* 38570*	food plants	3334 61251 67784	pineapples	23284
cytology	9583 27471a	101250	105015	plants	77678
culture	40061	insect food	23518 32996 32989*	potatoes	18248 68215
genetics	9583	63541*		<i>Quercus</i>	18056 47331 47333
germination	69079	management	30002 39871 51000	47334	57896 58002 77848
White willow SEE <i>Salix alba</i>		51002	61255 63511 79337	88845	99304 99378 99489
Whitebark pine SEE <i>Pinus albicaulis</i>		94177		99530	
Whiteflies SEE Aleyrodidae		Africa	71767 98448	<i>Quercus prinus</i>	9014
Whiteside test	3568 92635	Arizona	91641	sugarcane	47392
Whitetop SEE <i>Cardaria</i>		Austria	61248*	tomatoes	331 9108 77705*
Whortleberries	106314*	Canada	27403	watermelons	9169 27252a 40771*
Widdringtonia schwarzi	46885*	Delaware	52772	Winches	84603* 91653
Widdringtonia whytei	17517	France	8414* 91638*	Australia	21406* 53863*
Wild flowers	26902a 77348	Germany	12184*	operation	5854*
Alaska	26882a	Great Britain	87833	parts	
Australia	77354	Hungary	12180*	Wind	
California	57653	Kenya	61254	and plant disease	37415
culture	20083 69828	New Jersey	61249	effects on animals	63112
desert areas	46846*	New Zealand	99766	effects on aphids	14741*
France	46902*	Pennsylvania	60968	effects on <i>Apis mellifera</i>	23437*
Great Britain	67808 67838	Republic of South Africa	98459	effects on asparagus	10972
Great Smoky Mountains	17652 67811	USSR	98418 102832*	effects on butterflies	14904
Greece	8700	Utah	94041	effects on <i>Choristoneura fumiferana</i>	14870
identification	67838	Wisconsin	105015	effects on citrus	37146* 58893*
New England States	98854	parasites	32669	effects on <i>Corylus avellana</i>	57817
New York	67827 88256	pests	5111 14418 23121	57832	57847
North America	8738	53190	94139 95097 95150	effects on <i>Eucalyptus gomphocephala</i>	100268*
Northeastern States	67855 77379*	95609	95635 105092 105142	effects on herbicides	101546
Pennsylvania	26846a	32665*	32683* 73540* 73544*	effects on Heteroptera	95244
Rocky Mountains	46841	94790*	95642*	effects on <i>Hevea brasiliensis</i>	88675
seeds	69920	Africa	5351 23171 32668	effects on Homoptera	14748
Tenerife	77370*	23718*		effects on insects	5039
USSR	88266*	California	94763	effects on Juglans	57817
Wild garlic SEE <i>Allium vineale</i>		China	94753*	effects on oranges	17951
Wild indigo SEE <i>Baptisia</i>		Denmark	95652*	effects on <i>Oulema melanopa</i>	63587
Wild oats SEE <i>Avena fatua</i>		Malagasy Republic	63857	effects on plants	1262 81264
Wilderness areas	20467 35988	Malaysia	95616	10948	38074 61673 81264
40735 46040 71354	87333	Mediterranean area	84229*	10084*	69089* 100157*
conferences and congresses	102838	Mexico	63887	effects on plums	88563*
Lake States	81271	Nevada	94683	effects on <i>Pseudaletia separata</i>	95468*
Maine	2879 2886	Republic of South Africa	95097	effects on <i>Schistocerca gregaria</i>	4636
Montana	12191	95116		effects on structures	5890
Oregon	71361	reviews	104218	effects on trees	1777 2854
policies and programs	87304	South America	42917* 42918*	12059	28154 30435 40683
Wildlife		Tasmania	42947	50932	61193 61198 61207
and agriculture	3334 98421	Washington	84207	81201	81246 81257 50931*
27402*		poisoning	4644 23032 23040	71348*	81196* 81211*
and disease	4701 52810 94053	32606	32626 36382 46514	Japan	68399*
94139 94216 94219	52820*	52699	63694 76921 83162	measurement	71337 50990*
105137*		83180	87880 93980 94017	South Carolina	77086 77091
Caribbean area	30999	94175	94223 98428 14282*	Wind erosion	70818 80724 102262
conferences and congresses	14067	23055*		70820*	91355*
Czechoslovakia	61726*	SEE ALSO Aquatic fauna; Birds; Fish;		control	2590 20962
Florida	52798	names of wild animals; UNDER Re-		by planting	11802* 29984* 30004*
Georgia	103332	pellents; and SUBHEAD wildlife re-		30019*	70834* 102822* 102823*
Germany		lations UNDER Forest, and names		California	2592 11195
East Germany	61758*	and classes of trees		China	60723
Illinois	41300	Wildrice	19482* 42889* 78087*	reviews	11830*
reviews	52806	Wilfordie acid	32582	USSR	20955* 20956* 29982*
Sumatra	73171*	Willow SEE <i>Salix</i>		29986*	30024* 30033*
Turkey	92734	Willow shoot sawfly SEE <i>Janus</i> abbrev-		Washington	20994
as pests	275 8370	viatus	5628	Denmark	20995*
Australia	4440 82869	Willowsia	36121	Great Plains	70814
Austria	12150*	Wills		Illinois	80698
California	14106	Wilt		Massachusetts	80697
Czechoslovakia	2853*	African oilpalm	57995	New Jersey	80697
Florida	23460	Albizzia julibrissin	77695	Red River Valley	80714
France	21334* 99148*	alfalfa	47289	Southeastern States	80680
Germany	12155* 26992a* 40682*	bananas	58655	Sweden	102270*
East Germany	57170* 61205*	beans	27078a	USSR	11397*
Great Britain	98432	cacao	83460	Wind machines	37158 57827 68063
India	47153	cherries	47213	88646	99280
Netherlands	81193*	coffee	440	Wind tunnels	69946 71337 81246
North Dakota	50933	Colocynth	88755*	Windbreaks	69946 71337 81242
Pakistan	17993	cotton	68134 18105 88841 89293	558*	27840* 50990* 71342*
Switzerland	50937*	68146	68955	71343*	78232*
as predators	22864 81912	99286	401*	Belgium	89738*
conferences and congresses	57191	cowpeas	18091	China	91631 91630*
control		Cucurbita	47436	Colorado	21172
Australia	17257	Diospyros	99369	costs and returns	71340*
Austria	21338* 45962* 61201*	eggplant	27138a	cutting systems	71131*
61248*		flax	57901	damage	40694
Germany	88648*	hops	77711 77806		
New Zealand	21332	muskmelons	37206		
reviews	61204	peas	70044		
Southern Rhodesia	88971				

\*Text of this reference is not in English.



Item				Item				Item			
Windbreaks-- Cont				Wine-- Cont				Wine-- Cont			
Denmark	1770*	12167*	47422*	analysis and composition--cont				labeling	54409*	54440*	64955*
Europe			38423	85099*	85118*	85120*	85130*	74577*	74609*		
France			21357	85133*	85145*	85146*	85148*	legislation	24613*	54451*	64992*
Germany	12171*	61130*	88587*	85151*	85156*	85172*	89406*	manufacture	64939	74623	96308
East Germany			12175*	96256*	96273*	96283*	96284*	96318	106765	106777	106845
Great Britain			61231	96317*	106816*	106846*	106847*	6302*	24617*	24660*	24738*
Great Plains	2873		81245	reviews			24646*	34252*	34271*	44167*	44220*
history	50989*		71340*	and disease			6271*	54439*	54442*	64993*	64994*
Hungary			50977*	associations	65001*	65011*	96312*	74565*	74568*	74570*	74611*
Iceland			61242*	96319*	96321*	106842*		74624*	74635*	74644*	96264*
India			30459	bacteria	6326	64959	24735*	96282*			
Italy			71338	44169*	65006*	74583*	74636*	Australia		54441	
Japan			61236*	74672*	85084*	85185*		Austria		28888*	
Louisiana			19667	reviews			6309*	cooperatives			
management			50744*	bibliographies			6257*	Brazil		24715*	96324*
Denmark			81241	bottling	15547*	74568*	106850*	California			24728
Great Plains			40718	California			85143	France			24683*
Japan			102815*	care and handling			44140*	Italy			106763*
Kansas			81264	chemistry	54442	64939	44164*	Portugal		24695*	54435*
USSR	50978	81025	81252	44216*	74562*	74602*	74631*	64934*	64938*	64987*	90363*
81253	81260	61160*	71131*	74643*				96329*			
71340*	81238*			clarification	24621	54443	54454	costs			95964*
Nebraska			1918	6295*	15560*	15563*	24628*	Czechoslovakia			74610*
Netherlands			38230*	24630*	24632*	44172*	74563*	France	6305*	44146*	54451*
North Central States			1837	74593*	74595*	74616*	74672*	74583*	74605*	74669*	96259*
Northern Ireland			21358	colloids		6295*	74667*	Germany			54457*
pests		42633*	43208*	color	24599*	24719*	34247*	Hungary	34248*	34251*	34259*
planting	10948	50924	81108	54456*	74562*	74563*	74630*	44202*	106790*	106823*	
71341*				106816*				Italy		15542*	44171*
Australia			50894	conferences and congresses			44182*	New York			44231
California			10972	44212*	44213*	85115*	99307*	Republic of South Africa			24625
Ceylon			12086	106776*	106777*			96325			
Denmark			61118	France		24652*	74660*	reviews			6296*
Germany			88587*	Germany			44170*	Rumania	6322*	24618*	24649*
Great Britain			50976	Portugal			59628*	24710*	34254*	34262*	34274*
Great Plains			40664	Sicily			69800*	Spain	24684*	54444*	96316*
Minnesota		50914	50974	consumption		54430*	64951*	study and teaching			39081*
71288				containers	24685	44143*	44156*	Switzerland			24719*
Norway			61115*	85087*	85172*			USSR	10657	6298*	24629*
Scotland			40657	contents	34274*	34275*	54437*	34229*	34252*	96256*	96257*
USSR	21249*	30349*	60097*	cooperatives		64950*	96297*	96315*			
90376*	102752*			defects	6324	15528*	54450*	manufacturing equipment			15558*
Wyoming			21282	74620*	85098*	96316*		24629*	24640*	24675*	106822*
Poland			27012*	dictionaries			24666*	marketing	24670	6260*	6318*
Portugal			21365*	directories			15568	54451*	106854*		
research methods				enzymes			34244*	microorganisms		6324	54413
statistical			2876	equipment	74592*	74659*	96323*	64939	6310*	15574*	44204
Rumania		12168*	50986*	feed			21762*	54450*	64964*	74602*	74611*
soils			91629*	fermentation	6258	24724	34278	96330*			
USSR	61116	71350	81250	44228	74582	85078	96271	reviews			6263
81261	91632	2875*	12174*	15574*	24656*	24677*	24679*	musts	24694	74581	96325
71259*	71340*	71349*	80688*	24686*	34266*	44190*	44224*	15574*	44168*	44209*	64951*
81235*	81249*	91013*	91615*	44233*	44238*	54424*	64982*	74621*	85139*	85151*	106822*
91624*	102672*	102813*	102817*	74591*	74639*	74644*	74654*	analysis and composition			6269*
102821*	102822*	102823*		85113*	96289*	96328*	96329*	24667*	34244*	44219*	44222*
weed control	21238	2801*	30319*	flavor and odor		24737	85171	74619*	85118*	106772*	
61089*				96322	44221*			Czechoslovakia			85136*
Windmills		33942*	106526*	grading and standardization		15521*		enzymes		6323*	34244*
Window-gardens			10570	85157*				France			96258*
Windows	30596	43806*	61406*	history	1811*	24600*	54430*	microorganisms			74634*
64581*	81454*			85094*	108817*			properties			44234*
Windrowers	43637*	64455*	74084*	home production			44231	Spain			85113*
Windstorm insurance		45528	97633	in art			44176*	statistics			44173*
Wine		85096	44206*	industry				USSR			34229*
acids	24696*	54456*	74672*	Australia		74587		nutritive value		36365*	36371*
89517*	96257*	96330*	106801*	California	15517	44218	96286	oxidation		44185*	74640*
106802*	106840*			Canada			65009	oxidation-reduction potential			24705
reviews			6309*	Europe			106768	54427*	74615*	85129*	96273*
additives		85163*	85165*	France		1811*	25313*	96301*	106776*		
adulteration			24623*	Germany			15523*	policies and programs			
advertising	24613*	24708*	44144*	East Germany			44192*	Australia			24605
96320*				Israel			64943*	European Economic Community			6325*
aging	6319	85082	74643*	Italy	24610*	74641*	96275*	Portugal		64945*	64978*
96280*	96301*	106776*	106782*	106770*	106785*			Republic of South Africa			85161
106849*				public relations			24665*	85167*			
analysis and composition		85143		research programs	64936	85080	54445*	Spain			44196*
85160	96306	96331	6269*	sanitation	54427*	54444*	54445*	prices	24697*	64949*	85157*
6285*	6312*	6317*	15525*	Sicily			74589*	processing	24711	54460	24637*
15532*	15543*	24599*	24628*	Spain	24598*	44145*	44179*	24678*	24699*	44188*	44214*
24636*	24639*	24654*	24667*	106824*				44215*	54430*	65007*	74561*
24719*	24721*	25370*	34233*	USSR	69771	24627*	24662*	74571*	74572*	74573*	74576*
34238*	34242*	34244*	34279*	34245*	54408*	64944*	74656*	74595*	74596*	74603*	74615*
44171*	44174*	44178*	44209*	Yugoslavia			106767	74621*	74629*	74633*	74640*
44219*	44220*	44222*	54411*	irradiation	6319	74584*	74625*	74645*	74658*	74663*	74668*
54459*	54594*	64952*	64983*	74632*				96290*			
64989*	65000*	74559*	74569*	judging	6300*	24604*	64946*	production regions		24603	54422*
74617*	74622*	74631*	85086*	keeping quality			106811*				

\*Text of this reference is not in English.

	Item				Item				Item		
Wine-- Cont				Wings-- Cont				Women-- Cont			
properties	6283*	74614*	74615*	Apis mellifera	94542*	105431*		attitudes	4993*	87534*	
74621*	74642*	74667*	96305*	Blattella germanica		84200		education and training	46207*	46208*	
proteins	54443	74608*	74621*	Braconidae		105902*		76601*	76620*	98172*	
quality	18265	24611	6274*	butterflies		84161*		France		8113*	
38407*				Carabidae		83900*		Germany		36029*	
France			96260*	Clivina fossor		33127*		Italy		98124*	
Germany			24687*	Coleoptera	63973	106088*		labor	109241	7713*	15072*
Hungary		19881*	69780*	Colias eurytheme		64239		Czechoslovakia		16619*	
Italy		64985*	89665*	Cossidae		84162*		developing areas		56227	
Rumania			34263*	Diptera		14618		Finland		45617*	
regulation and inspection			44214*	Drosophila melanogaster		64006		Germany	16655*	46207*	
44215*	64993*			64007	73678	95049		Japan	35556*	35561*	35572*
European Economic Community				Drosophila pseudoobscura		5258		35582*	86764*		
France	6289*	6304*	15557*	5314				Netherlands		97662*	
24604*	24663*		15557*	Drosophila simulans		73678		Poland		56178*	
Germany			6287*	Hetaerina americana		5618		Switzerland		45558*	
Italy	24623*	44161*	54409*	Hetaerina titia		5618		occupations	51576	90253	
64953*	64955*	64990*	64992*	Heteroptera		64127		Ohio		8111	
74577*	106784*	106794*		Hymenoptera		84076*		Poland		8061*	
Portugal			96291*	Ichneumonidae		105902*		Punjab		8111	
Spain	44217*	54438*	64974*	insects	5031	63839	105528	Wood	61565	71364	3005*
shows			85147*	105542	106015			81573*			
situation and outlook	74586	44225*		Lepidoptera	64227	95518	43294*	abrasion		3020*	51348*
64986*				53496*				acetylated			41156
Canada			74290	Lesteva			43005*	acids		71552	103030*
France			54426*	Lucanidae			53256	advertising	81412	21502*	21503*
Israel			74578*	Odonata			43387*	analysis and composition			3007
Italy	44162*	74579*	85144*	Orthoptera	84191	106088*		41131	61593	71549	71550
Portugal			64949*	Pieris		95387		103041	12417*	30737*	41127*
Spain	44160*	44191*	44203*	Pneumoridae		23934		103069*			
64988*	74569*			poultry	62888	104371	31882*	anatomy	12443	21706	30723
USSR			96309*	104296*			82647*	30727	41153	41159	51336
Spain			19869*	Psyllidae			14757	51340	53286	61575	61576
statistics	74673	85174	85175	Schistocerca gregaria		106079		71570	71574	81617	100517
Australia			44142	Tribolium confusum		42960		102636	103040	103055	3023*
Great Britain			74567	Trichogramma		95322*		12436*	21614*	30717*	41187*
Italy			106783*	Winklera		88269*		51338*	51353*	61568*	71254*
Switzerland			15548*	Winter dysentery	22156	22157*		71578*	71593*	81583*	91776*
storage	24642*	34257*	54410*	Winter moth SEE Cperophtera brumata				terminology			103049
54427*	74560*	106811*		Winter rape				bending	3022	51369	30722*
study and teaching			64996*	anatomy and physiology		69058		61350*			
terminology			24672*	38141*	69064*	69080*		chemical products	21608	30667	
testing equipment			54412	culture		48816	28724*	51283	91740	30672*	71534*
tests	6282*	6283*	34241*	ecology			68385*	81524*	81539*	102577*	
44234*	64964*	74614*	74620*	fertilizers	28724*	38141*		reviews			71512
74630*				genetics		37873		chemistry	12434	21699	21711
trade			74586	honey plant		105457*		21722	30671	41125	41126
Argentina			46363*	losses		94344	63572*	41127	41157	51100	51281
Europe			106768	pest control	94344	63572*	105209*	51320	51329	71548	71549
France			27274*	pests		63906*		71552	71558	71562	81572
Great Britain		27252*	67345*	planting		68385*	69064*	91523	91737	91753	91754
Hungary			36295*	pollination		105416*		91759	103033	3009*	12442*
Morocco			27273*	situation and outlook		16281*		12447*	21614*	21700*	30734*
Portugal			10881*	varieties		69058		41146*	61365*	61556*	61560*
Rumania			36285*	Winter squash				64276*	71556*	91755*	103030*
Spain	27183*	27245*	27279*	anatomy and physiology		48377		conferences and congresses			
67267*	67280*	67324*	67345*	38499*				study and teaching	51321	51334	
106854*				fungus diseases		9039		collapse			
statistics			67337*	hybrids		9575		reviews			91772*
Switzerland			67280*	nutritive value		57139*		color	41135	81600	71565*
types	24647	24691	24693	yields		101443		71566*			
24711	24737	34255	96308	Winteraceae	68425	89202		combustibility			21458
15563*	44188*	44224*	74562*	Winthemia		64054		compressed			41155*
74568*	96274*	96282*		Winthemiini		64054		compression	3016		63693
Austria			85156*	Wire		64402		71577	73300	103068	
France	6305*	24658*	44146*	Wireworms SEE Elateridae				conductivity			30727
74608*	74629*	90339*		Wiseman-Irvin method		21923		conferences and congresses			91756*
Hungary	44202*	54422*	106823*	Witches' broom				construction SEE Lumber			
Italy		24636*	74675*	Picea mariana		61054		creep	41165	103046	
Portugal	28921*	64951*	96310*	potatoes		99633		damage	21463	21465	
96329*				Robinia pseudoacacia		99587		decay	2182	2930	12260
Republic of South Africa		85161		Withania somnifera	26755a	38626		12267	12294	12300	14554
96277				48576	78992			21461	30552	40829	40831
Rumania	24649*	24650*	24725*	Witloof SEE Endive				40837	40840	40841	40846
34276*				Wofatox SEE Parathion				40848	40849	40857	51144
Spain	44195*	44236*	64974*	Wohlfahrtia nuba		63522		51146	51351	53028	71425
Switzerland		24719*	54456*	Wohlfahrtia vigil		4784		71431	81372	81387	81389
USSR	6298*	24627*	24629*	Wolbachia persica	53217	94771		81390	91688	91689	102906
24699*	90369*	96252*		Wolff-Parkinson-White syndrome		62405		102907	2931*	12255*	12258*
USSR			24602	22666*				12259*	12263*	12264*	12271*
vitamins			108950*	Wolffia arrhiza		88326*		12272*	12273*	12278*	12281*
waste utilization			24689*	Wolfram SEE Tungsten				12282*	12283*	12286*	12290*
SEE ALSO names of wines				Women	17034	56448		12291*	12293*	12298*	12299*
Wings				activities		92114*		12304*	12305*	12448*	14284*
Aedes aegypti			5367	Africa		56893*		21453*	21464*	30554*	30557*
Aphis fabae			14729*	associations	56911	67216	87538	30559*	30718*	30734*	40826*

\*Text of this reference is not in English.



Item				Item				Item			
Wood--Cont				Wood--Cont				Wood--Cont			
decay--cont				laminated--cont				properties--cont			
40827*	40839*	40843*	40865*	history		30630		mechanical--cont			
41150*	51131*	61353*	61354*	Japan	40967*	102951*		51361	61595	71581	71590
61361*	61365*	61371*	61378*	marketing		12348*		71591	71594	71595	91779
61379*	81380*	81385*	81391*	properties	3022	40951*		12292*	30747*	41160*	51366*
81398*	91683*	91693*	102893*	quality		40916		61422*	61587*	65311*	103047*
control SEE Lumber, preservation				strength	102934	102944	103053	physical	3017	21705	21709
resistance SEE Wood, durability				81468*	81469*			21711	41157	41163	41164
reviews				stress		30733	51205*	51080	51340	51347	51351
decomposition				Taiwan			81475*	51361	61574	61595	71568
defects	30617	51137	61412	tests	2969	51217	91686	103058	12263*	12292*	12447*
63710	2924*	51335*	61350*	40947*	40949*	51205*	51213*	21722*	30734*	30747*	41159*
81582*				51216*	51219*			41178*	41185*	41588*	51366*
deformation		3022	41158	loading			91773	61365*	71586*	71590*	71591*
delignification			103025*	moisture	30535	30721	40838	71595*	81618*	81619*	
density	12443	30738	51359	41134	41179	71552	71569	proteins			94452*
102985	41173*	51257*	81580*	71573	71575	91770	91771	quality	51344	71571	71577
dimensional stability			51141	103045	103046	105371	12341*	71584	71588	81578	91767
distillation			71519*	14264*	30595*	40827*	41174*	91768	2813*	12440*	12445*
drying stress		40801	51121	41175*	41176*	41180*	41186*	12454*	50695*	61582*	61594*
40811*				41188*	61353*	61419*	81602*	71587*	71595*	81607*	
durability	2930	12269	40829	81603*--81606*	103054*			reaction			103068
40831	51358	71419	71431	measurement	30741	51352		research methods			
81390	81392	81394	81399	51356	61586	81614	91766	statistical		61597	81585
81599	12269*	12295*	12303*	91777	12460*	41150*	51364*	resonance	2925*	21666*	41095*
30718*	30734*	30744*	102894*	names			91762	81587*			
elasticity	30736	51369	81621	Netherlands			50493*	samples	21682	40995	51372
103057	41162*	41175*	41176*	Nigeria			51357	81596	91767	103023	30557*
61590*				overlays		61412	40930*	30735*	61596*	71580*	91774*
reviews			81622*	permeability	3019	21707	30745	sapwood	23381	81373	105371
enzymes			12277*	51135	51363	81577	81599	51234*	61372*		
extractives	21641	21642*--21644		91766	103065	30739*		seasoning SEE UNDER Lumber			
21648	21654	30669	30671	pest control	14266	14267	14255*	shrinkage	3015	12250	30538
30674	41036	41038	41045	14284*				30728	41161	61351	61580
41049	51283	61552	81392	chemical	63703	83555	105361	61585	71569	91680	91779
81599	12403*	30718*	41046*	Germany			23395	102909	41168*	71417*	103039*
41047*	41048*	42773*	51286*	Great Britain			42768	reviews			91772*
81528*	91735*			Japan			51122*	specific gravity		12033	12456
fibers	12455	21713	51144	Norway			53024*	21714	30719	51359	61597
51340	51365	81609	102985	pest resistance			32913	71585	91606	91780	30746*
12341*	41169*	41180*		pests	5152	63711	14256*	51370*			
analysis and composition		61554		14537*	32912*	42787*	73563*	bibliographies			51362
91778*				94452*				reviews			51362
measurement	12457	30719		Australia		23401	105368	specific heat			51352
51357	61579	71592	81576	Australian Region			14512	spontaneous combustion			30729
103070	30746*	51370*	103020*	California			42401	springwood	21590	21592	30731
103035*				Denmark			4923*	41181	81611	41172*	
finishing SEE UNDER Lumber				Florida			83577	starches			23381
fireproofing	30604	40803	61367	Germany			63709*	strength	12461	21710	21719
12279*	40824*	81395*	81396*	Great Britain	42768	53028		21721	41167	51355	61356
tests			40825*	83536				61583	61593	71573	81381
fossil SEE Paleobotany				habits and behavior			53286	81576	81597	91773	91779
fuel SEE Fuelwood				Hungary			4902*	103041	12263*	12438*	12442*
gluing	12455	21705	30304	Italy			23407*	12447*	12448*	30734*	30743*
51195	51218	51221	61377	Northern Ireland			83542	30744*	41182*--41184*	51217*	
61390	71464	71467	81356	Oriental Region			14512	61365*	61581*	61592*	81584*
81466	102947	102949	12341*	Poland			4905*	stress	3025	30740	40929
12345*	12346*	12354*	21535*	reviews			21465	41165	51188	51349	61418
21553*	30620*	40933*	51102*	United Arab Republic			63713	61591	71419	81581	81588
51222*	61419*	61420*	81460*	Yugoslavia			14287*	81597	51213*		
81462*	81480*			Philippines	30740	81600		structure	12455	21707	21708
bibliographies			102941	piezoelectric effect		30725		21711	21716*--21718	27605a	
tests	51210*	103066*		preservation SEE UNDER Lumber				30723	30724	30731	41161
grain	81600	40814*		preservatives SEE UNDER Lumber				51357	51365	51373	71570
hardness		71586*		processing		35412	61573*	71579	81594	81599	81617
heartwood	12405	21643	41045	properties	3018	12459	12461	91688	91781	103053	103068
41050	51281	51282	61555	21710	30723	30725	30738	12290*	12439*	12447*	14256*
81599	91739	91754	103032	40993	40995	41151	41154	18535*	30720*	30742*	41172*
12282*	12291*	51234*	61366*	41171	41177	51323	51324	41187*	51338*	51350*	51354*
103042*	103054*			51343	51360	61598	71576	61371*	103039*		
hydrolysis	21700*	41141*	60777*	71583	71596	81356	81586	bibliographies			51371
identification		51323	51324	81600	81610	91770	103043	conferences and congresses			21720
61554	71559	3010*	12436*	103055	103064	103072	103073	study and teaching		30712	51333
61568*				3023*	12440*	12446*	12448*	substitutes			51226
bibliographies			51371	12452*	12462*	21712*	30732*	summerwood		21590	21592
study and teaching			21689	30742*	30748*	40586*	40819*	51346	61584	81611	41172*
impregnated	39403	81377		41155*	41170*	41177*	41181*	surfaces		51368	71418
irradiation		40802		51331*	51336*	51339*	51344*	40799*			
Japan		41177	41147*	51345*	51348*	61561*	61577*	swelling	61585	71569	81608
laminated	2967	21539	21546	71589*	81579*	81587*	81589*	12444*	12460*	30737*	71417*
40929	40931	40945	40969	81590*--81593*	81595*	91699*		81620*	91774*		
51200	51221	61418	61421	91776*	102512*	103037*	103038*	swelling pressure		3024*	61590*
102949	12336*	12343*	30536*	103067*	103069*			temperature		30730	91771
40816*	43463*	61422*	102939*	dielectric		41179	41176*	tensile strength		81576	91782
finishing			51207*	mechanical		12458	21709	103048	103063	12449*	61578*
grading and standardization			12352	41156	51340	51347	51351	81613*			
30617											

\*Text of this reference is not in English.

Item				Item				Item			
Wood-- Cont				Wood-destroying insects--cont				Wool-- Cont			
tension	12451	21713	71588	digestion	53286	53578*		color	104742	25199*	72722*
103062	12304*	71591*	91778*	Europe		105689*		conferences and congresses			54919
terminology			3014*	feeding habits		63912		96954	75091*		
testing equipment		51342	61423	France		32857*		consumer preferences			25270
61583	103044			geographic distribution		63704		consumption		6629	25159
tests				Germany		63718*		34600	44511	65243	85587*
41165	41167	21721	41128	Great Britain	53028	63704		contamination		32251	54811
51355	51369	61593	91765	identification		63704		22833*			
103043	40865*	41178*	41182*	Indonesia		53259		cooperatives		15886	25179
41183*	61596*	71580*	81618*	Japan		51122*		65860	86154		
81619*				Norway		63702*		costs and returns			7936
conferences and congresses				United Arab Republic		42984		credit			26457
			81575	Wood gas		24184*		damage	15818	63144	63143*
thermal conductivity	51352	103071		Wood molasses		91892		65314*	107136*		
toughness		81611	103041	Wood sugar	74582	60777*		reviews		75133*	75134*
tracheids	12441	41152	51341	Wood tar		90947*		defects	6661	61350*	63166*
51346	61584	61589	71567	Wood-using industries	61281	103001*		deterioration		15818	75068
81594	81612	103051		21063*		71364		directories			6674
Uruguay			61568*	Appalachian Mountains		61280		discoloration		25208	32310
utilization research	61387	61577		Austria	2889*	12318*		reviews			44462
41076*				Belgium		51244*		drying			54879
viscosity		41175*	41176*	Europe		41081*		enzymes			34622
reviews			81622*	Germany	12311*	21477*		felting	25165	44451	54805
warping			41169*	40975*	61278*	71362*		75090	6600*	6622*	6646*
waste				East Germany				6647*	6648*	6678*	34546*
bibliographies			81546	Great Britain		91696		85585*	85607*	85614*	85627*
waste utilization		30386	30596	Hungary	12201*	21387*		96709*	107134*		
30700	61538	81354	81551	61404*				futures	6681	34620	44474
81522*				Malaysia		2934		grading and standardization			34597
Belgium			51244*	Massachusetts		21379		54755	85593	85618	85636
Pakistan			81560	Minnesota		51154		54840*	65351*	75085*	107124*
Rumania			61485*	Missouri		40393		Australia			54757
weight and measurement		12456		Philippines	50512	50554		Iceland			42219*
21714	51372	61005	12403*	51032	51149	81412		international		57043*	96758*
30737*	30748*	71581*	81596*	Poland	21384*	61405*		Republic of South Africa			54836
103050*				Rumania		21483*		54837	6644*		
SEE ALSO Forest products; Fungi,				situation and outlook		81406		Sweden		6673*	54890*
wood-destroying; Lignin; Lumber;				statistics		12203		history	34520	34636	107183
Pulpwood; Timber; Wood-destroying				West Virginia		30523		Australia		6595	6634
insects; Wood-using industries;				Woodchippers SEE Wood chips, equip-				44438			
and UNDER names of trees				ment				France			54875*
Wood alcohol SEE Methyl alcohol				Woodlice SEE Isopods				hydrolyzates			107165*
Wood chips	12365	21596	21644	Wood's light SEE Ultraviolet rays				industry	6612	34636	34639
41008				Woodsia		46938		Australia		6596	6634
care and handling		12421	41063	Woodworking				Japan			54828
71543				Australia		40800		Netherlands			85628*
damage	12374	21588	30552	equipment	12239---	12241		Oregon			44451
30648	12412*			30530	30531	30533		Pakistan			107205
defects				40797	51097	51098		Republic of South Africa			54847*
reviews			21589	51101	51105	71414		Sardinia			45005*
equipment	41107	51310	51312	81554	61344*	71413*		insectproofing			83508
103010	12426*			deterioration				labeling		54836	54837
Finland			21447*	directories		91675		losses			6621
fuel			21669*	Great Britain	51099	51103		marketing	34528	34598	65278
Hungary			51301*	Japan	40799*	71412*			85611	107192*	
industry			41114	Germany		81357*		associations		25170*	25282*
Japan			81564*	Great Britain		51214*		Australia		6595	6603
manufacture		12416		Japan		12321*		6627	25124	25212	44434
41105---	41107	51310	71535	materials		61345		54758	54862		
71539*				Sweden		87385*		Great Britain		6607	25137*
marketing			12413	Wool		75087*		New Mexico			54894
moisture		41105	81544	advertising	15826	25171		New Zealand		15420	85604
mulch			70591	85591	85617	54876*		85618			
processing	21567	30692	71494	agreements				policies and programs			65298
71509	91723	41034*		analysis and composition		4308		Republic of South Africa			15868
properties			3002*	6613	6619	15819		statistics		6653	54891
seasoning			61346	44525	54812	54859		75067			
spontaneous combustion			21675	75073	85600	85643		Texas			107196
71543				107133	107142	25197*		Utah			54747
storage	12421	30552	61428	44481*	75138*	85564*		microorganisms			85582
12412*				reviews	75083*	75132*		moisture		65251	85582
tests			21675	associations		54920		oxidation			65304*
transportation				54909*				packing		34604	54811
by pipeline		30653	61460	Australia		34646		policies and programs			54868
81545	81549	103008	103012	carbonization		15809		Australia		15858	44433
weight and measurement			51093	carding and combing		44450		97052			
102907	102958	41080*	103019*	54855	65255	65294		France			25173*
Wood-destroying insects			21465	96764	54748*			Latin America			65276*
anatomy and physiology			73563*	care and handling		42126		Netherlands			25246*
chemoreception			63912	75103	85609			New Zealand		15852	25222
control	63703	14255*	61354*	chemistry	6637	6679		86096			
105353*				25200	25229	25279		Republic of South Africa			6664
Australia			23401	34531	34541	44531		15869	65317		
chemical			83555*	54807	65319	75099		prices	6629	44511	34613*
Great Britain			14270	75125	75142	85582		Australia			25263
Norway			53024*	107160	107211	6677*		control		3680	54806
Denmark			4923*	44482*	65304*			Great Britain		6606	54769

\*Text of this reference is not in English.



Item			Item			Item		
Wool-- Cont			Wool-- Cont			Wygodzincinus n g		33502*
prices--cont			structure	6643	6657	Wynnella SEE Otidea		
Netherlands	25246*		13711	15831	25155			
New Mexico	54894		25252	34529	34530			
New Zealand	85603	25168	34571	34575	34580			
Republic of South Africa	6644*		44484	54879	65338			
Texas	107196		85592	107117	107120			
Wyoming	25191		25199*	65242*	65248*	X-disease		
processed	107125*		subsidies			mushrooms		57801
processing	6665	6682	tests	34551	34571	X-disease (animal) SEE Hyperkeratosis		
25191	25228	25255	75068	85605	96764	X-rays		
25276	25278	34520	25244*	65248*	65307*	diagnostic use	3139	3287
44471	54777	54799	65314*			3290	3291	81788
54843	54870	65262	reviews	75155*	75156*	21817*	71801*	71841*
75109	75125	85611	textiles	4894	6589	cats	13258	13303*
104738	4446*	6600*	6642	6684	25138	92709*		
6646*	--6648*	6677*	25163	25254	34513	cattle	51844	103891
85585*	85607*	85614*	44479	54805	63671	22430*	31359*	92468*
107149*			85353	75080	75081	103800*		
products		6629	75127	75146	75153	coypus		3927
properties	6592	6631	96759	107129	107139	dogs	3854	31549
6665	15831	15836	6648*	44480*	65250*	72410	72436	72437
25125	25162	25174	85573*	96709*	96755*	3838*	3885*	3886*
25206	25236	25255	tops	65305	75131	31624*	52014*	--52016*
32208	34530	34541	trade	46396	54868	62532*	92697*	92709*
34567	34580	42196	57043*	76781*		92745*		
44484	54812	65289	Australia		67340	horses	3982*	3983*
75081	82753	82770	France		57033*	sheep	13685	4359*
96759	107113	107140	Germany		76768*	swine	13826*	13877*
6600*	6683*	25197*	Republic of South Africa		76814	93857*		
34605*	44437*	63032*	types	6667	34597	effects on animal parasites		30921
93659*	96754*	104589*	85618	107192	44482*	51887	104458	
reviews	72818*	75084*	Australia		4447	effects on animals		12732
proteins	6617	54812	54758		54756	51533*		
107142			New Zealand		85629	effects on Arabidopsis thaliana		58254*
purchasing		65351*	Republic of South Africa		107155	effects on Aztec tobacco		58254*
quality	14002	25206	Wyoming		25191	effects on Avena strigosa		89262
63059	82732	25201*	waste utilization		44526	effects on barley	100063	18916*
75085*	85589*		weight and measurement		6641	58447*		
Argentina		25197*	6667	65305	72769	effects on Blaberus craniifer		5580
Australia		104559	93702*	107120*	85624	effects on Bracon		5486
Republic of South Africa		107155	yarn	34617	75131	effects on broadbeans		9454
reviews		75084*	65273*		44437*	27496a	27935	68454
Spain		34548*	SEE ALSO Camel's hair; Cashmere;			78529	100045	99901*
Sweden		15865*	Llama wool; Mohair; and UNDER			effects on buckwheat		19026*
Wyoming	25191	34567	Pools			effects on Calliphora vicina		43116*
reclaimed		34637	Wool fat			effects on cats		3785
regain	25125	34557	analysis and composition		45010	effects on cattle	81963	81964
44478	54912	85605	107114	86136*		92393*		
Republic of South Africa		6675	effects on soybeans		9522	effects on Chara vulgaris		986*
research programs	96764	97075	processing		7188	18544*	27504a*	
Australia	54843	75066	products		75527*	effects on corn	58247	100030
Great Britain		85650	Wool wax SEE Wool fat		86149*	effects on Cosmos bipinnatus		58400
New Zealand		85626	Woolly apple aphid SEE Eriosoma			47712*		
scouring	15857	15867	lanigerum		39403	effects on Culex pipiens		33241
34521	44450	54912	Woolmanit			effects on Delphinium		27699
85649	96747		Work management SEE UNDER Labor;			effects on Dinophyceae		620
scouring equipment	25165	54897	Forest labor, and names of industries			effects on dogs	3859	22347
shrinkage	25241	85627*	Workmen's compensation		50444	72368	3808*	
situation and outlook	15816	25116	97630	108144	108153*	effects on Drosophila		33133
25143	25231	54780*	Worms SEE Verminosis; and names of			105736	105758	105780*
Argentina		25161*	worms			5269	5319	14586
Australia	54756	54765	Wormskioldia		8686*	23677	23717	33136
65258	75065	96731	Wormwood SEE Artemisia			33215	53310	53319
France		65282*	Woronina pythii		68486	53367	64014	64039
Germany	96730*		Worsleya rayneri		9415	83966	83986	83997
Netherlands	6652*		Wort	6292	6275*	84004	84006	105756
Wyoming	54919		analysis and composition		74601*	effects on Drosophila pseudoobscura		5325
spinning	25224	25241	24730*	54415*	74590*	5325		33203
34594	44457	44469	106791*	106857*		effects on Drosophila virilis		5256
85616	96711	25232*	chemistry		24606	23690		
85589*	96754*	65273*	color		24612	effects on ducks		72654
spinning equipment	15817	25157*	Wotexit SEE Diptere			effects on Fasciola hepatica		22469*
34539*	65271*	65272*	Wound tumor			effects on fruit	27743*	78306*
65325*		65322*	crimson clover		23257	effects on fungi		89637*
staple length	44481*	65321*	sweetclover		105854	effects on grapes		445*
85589*	96754*	107185*	virus		14144	effects on hamsters		104153
statistics	6612	25219	Wounds SEE SUBHEAD injuries UNDER			effects on horsebeans		89557
54753	96713	75086*	Livestock and names of animals			effects on Hymenoptera		43199
Australia		25995	Wuchereria		4778	effects on Impatiens balsamina		48568
54765			Wuchereria bancrofti		4690	effects on insects	14113*	105503*
Canada		65259	23124	73126	83234	effects on jute		89249
France		85587*	reviews		42476	effects on Lepidium sativum		58254*
India		85634	Wuchereria malayi SEE Brugia malayi			effects on Luzula purpurea		9486
New Zealand	107173		Wuissa n g		105827*	effects on Melolontha melolontha		105008
Republic of South Africa	15870		Wurlan process		25163	effects on mice		104202
Washington	65964		Wurmbaeoideae		89802	effects on mung beans	1280	18725
			Wyeomyia smithii		5370			

\*Text of this reference is not in English.

Item			Item			Item		
X-rays-- Cont			Xanthium orientale-- Cont			Xestobium rufovillosum		
effects on mungo beans	58411		cytology	9468		Xestocephalinae		14265
effects on <i>Musca domestica</i>	42447		morphology	27541a*		Xiphinema	492*	99684*
effects on <i>Nasonia vitripennis</i>	105875		Xanthium pensylvanicum SEE Xanthium			Xiphinema americanum	37503	37515
effects on <i>Neurospora crassa</i>	28254		orientale			37516	77969	99698
effects on <i>Nitella flexilis</i>	18915*		Xanthium pungens	32599		Xiphinema diversicaudatum		27379a*
68461*			Xanthium riparium	36826*		Xiphinema index	77915*	77942*
effects on <i>Nitzschia linearis</i>	27515a*		Xanthium spinosum	32599		Xiphuraspis n g		53383
effects on <i>Oenothera berteriana</i>	763*		Xanthium strumarium	49517		Xorathes n g		83836
effects on onions	78517		17765* 38083*			Xorides		53424
effects on peanuts	47849		Xanthocephalum	61884		Xoridini		53424
effects on peas	47828		Xanthodelphax n g	64131*		Xyelecia		73773
effects on <i>Pinus densiflora</i>	81120*		Xanthoencyrtus sacchari	43187		Xyelecia nearctica		73773
effects on <i>Pinus thunbergii</i>	81120*		Xanthoencyrtus semiapteris	73775		Xylan	21571 21647	21650 28349
effects on plant disease	18246*		Xantholininae	83870			61430	
effects on plants	78279		Xantholinus	23598*		Xylariaceae		40848 88509
effects on <i>Porcellio laevis</i>	5098*		Xanthomatosis	13517		Xyleborus	33079	33110* 43022*
effects on potatoes	799		Xanthomatin	53338*		94952* 94953*		
89449*			Xanthomonas	9181 9187		Xyleborus compactus	63911	94855
effects on poultry	42020	62785	18245 47433			105311		
72641 52241*			Xanthomonas begoniae	18247		Xyleborus cryptographus		14542*
effects on rabbits	82724	82725	Xanthomonas campestris	58040	58055	Xyleborus dispar		52951*
effects on <i>Rhodnius prolixus</i>	105811		47458*			Xyleborus fornicatus		52920
effects on rice	37920*	37921*	Xanthomonas carotae	47439*		Xyleborus germanus		83909*
effects on ruminants	41280*	41280*	Xanthomonas citri	27265a	47450	Xyleborus monographus		94479*
effects on seeds	786	27818	58052			Xyleborus morstatti SEE Xyleborus		
27828 89677 102772		933*	Xanthomonas cyamopsidis	9191		compactus		
effects on <i>Sitophilus oryzae</i>	14526		Xanthomonas jasminicola	88862		Xyleborus saxeseni		52951*
effects on <i>Solanum phureja</i>	47922*		Xanthomonas malvacearum SEE			Xyletiniae		14541*
effects on <i>Sordaria fimicola</i>	68637		Bacterium malvacearum			Xylocelia		84101
effects on soybeans	100035*		Xanthomonas oryzae	99556	18252*	Xylocelia occidentalis		84101
effects on <i>Stenobothrus viridulus</i>	14925		18253* 18261*--18264*		37410*	Xylocelia virginiana		33322
			47448*			Xylocleptes		33079
effects on sunflowers	78145	100293*	Xanthomonas phaseoli	9193	99563*	Xylocopa		105879
effects on swine	104910		Xanthomonas phaseoli fuscans	77866		Xylocopa (Acroxylocopa) n sgen		105879
effects on tomatoes	89306		99564			Xylocopa (Afroxylocopa) n sgen		105879
effects on <i>Tradescantia</i>	58278		Xanthomonas phaseoli sojensis	27271a*		Xylocopa (Apoxycopa) n sgen		105879
effects on <i>Tribolium castaneum</i>	14514		Xanthomonas pruni	37399	77860*	Xylocopa bryorum		63755
effects on <i>Tribolium confusum</i>	14514		Xanthomonas ricinicola	88862		Xylocopa (Calloxylocopa) n sgen		105879
42960			Xanthomonas stewarti	47434		Xylocopa (Cirroxylocopa) n sgen		105879
effects on <i>Trillium kamtschaticum</i>			Xanthomonas vasculorum	18259	47427	Xylocopa (Cyphoxylocopa) n sgen		105879
89165 89166 89168---89170			Xanthomonas vesicatoria	9557		Xylocopa (Dasxylocopa) n sgen		105879
effects on wheat	868	18775	37413 47431	77865	88856	Xylocopa (Diaxylocopa) n sgen		105879
27579a 27662	37628	28111*	99550 18244*			Xylocopa (Dinoxylocopa) n sgen		105879
effects on yeasts	27724	89495*				Xylocopa (Epixylocopa) n sgen		105879
in carcass grading	63351*		Xanthomonas vitians	47442		Xylocopa (Euxylocopa) n sgen		105879
in cellulose research	21690	21693	Xanthopeltis rupicola	99080*		Xylocopa (Gnathoxylocopa) n sgen		105879
91760*			Xanthophyceae	8804		Xylocopa (Hoploxylocopa) n sgen		105879
reviews	3008		Xanthophyll	1298 31866	72573	Xylocopa (Ioxylocopa) n sgen		105879
in cotton research	34572		10161* 13472*	18977*	28395*	Xylocopa (Lieftinckella) n sgen		105879
in entomological research	63919		48069* 48379*	78933*	82577*	Xylocopa (Megaxylocopa) n sgen		105879
83300 52992* 94717*			93067*			Xylocopa (Mimoxycopa) n sgen		105879
in fats and oils research	107722		Xanthorhiza simplicissima	28333		Xylocopa (Monoxylocopa) n sgen		105879
in fiber research	96728*		38565			Xylocopa (Nanoxycopa) n sgen		105879
in keratin research	107801		Xanthoria	185		Xylocopa (Oxyxylocopa) n sgen		105879
in meat research	25863		Xanthosoma maffafa	77382*		Xylocopa (Perixylocopa) n sgen		105879
in plant research	692	97781	Xanthurenic acid	103273* 104118*		Xylocopa (Prosopoxycopa) n sgen		
9144* 18523* 24376*		77489*	104545*					105879
in polymer research	26208*		Xanthyletin	91755*		Xylocopa (Rhysoxylocopa) n sgen		105879
in pulp and paper research	71485		Xenocrasis	23630*		Xylocopa sonorina		14316
in seed research	2828	2845	Xenoencyrtus n g	14833		Xylocopa tabaniformis		73757
9572 21278 97425			Xenoglossa	105880		Xylocopa tabaniformis melanosoma		33335
in soil research	11261	20420	Xenon	5943*		Xylocopa (Xenoxycopa) n sgen		105879
20451 90885* 101768*		101769*	Xenopanurgus	53450		Xylocopa (Xylocopina) n sgen		105879
in wood research	91765		Xenopsylla buxtoni	94046*		Xylocopa (Xylocopoda) n sgen		105879
technique	51492	71699	Xenopsylla cheopis	83267	94046*	Xylocopa (Xylocopsis) n sgen		105879
4131A* 91921*		71757	Xenorhynchium n g	84105		Xylocopa (Xylocospila) n sgen		105879
Xanthates	25184	71551	Xenotyphlus n g	94838*		Xylocopa (Xylomelissa) n sgen		105879
Xanthin	10200*		Xenoxycopa SEE Xylocopa			Xylocopina SEE Xylocopa (Xylocopina)		
Xanthia citrago	95534*		(Xenoxycopa)			Xylocopini		105879
Xanthidium	88470*		Xenthallus n g	36955		Xylocopoda SEE Xylocopa (Xylocopoda)		
Xanthine	100563		Xenylla aelleni	95623*		Xylocopsis SEE Xylocopa (Xylocopsis)		
Xanthine dehydrogenase			Xenylla lotharingiae	95674*		Xylocospila SEE Xylocopa (Xylocospila)		
in <i>Aspergillus nidulans</i>	28358		Xenylla villiersi	23965*		Xylomelissa SEE Xylocopa (Xylomelissa)		
in <i>Drosophila</i> physiology	23660		Xeranoloplum	53241		Xylopertha dunensis		53281
33165			Xeris himalayensis	105350		Xyloporosis		63650
in <i>Drosophila melanogaster</i> physi-			Xerocomus	208 88519*		citrus		
ology	14671	53334	Xerocomus boudieri	8890*		Xylosandrus SEE Xyleborus		
Xanthine oxidase	45027	65100	Xerocomus pulverulentus	8827		Xylose SEE Wood sugar		
74851 54596* 74849*		74850*	Xerophylla notabilis SEE Phylloxera			Xylota		83994
Xanthisma texanum	28260	58404	notabilis			Xyloterus lineatus SEE Trypodendron		
58657			Xerophytes	9459 88359	9752*	lineatum		
Xanthium	43032 69250	90704	88977*			Xylotrechus nauticus		5134
Xanthium canadense SEE Xanthium			anatomy and physiology	71238		Xylotrechus pantherinus		105645*
orientale			morphology	27570a		Xylotrechus rufitius		94414
Xanthium orientale			Venezuela	18473*		Xylulose SEE D-Threo-pentulose		
anatomy and physiology	9906		Xerostictia n g	5447		Xyonysius n g		5375
3 147 38248 48037		48374	Xerostictia longilabris	5447		Xyridaceae		88394*
			Xestobium plumbeum	63939*				

\*Text of this reference is not in English.



				Item						Item						Item	
Xyris				88345		Yeasts-- Cont						York spot					
Xysticus				42951	105450*	taxonomy	8884	57739	99110			apples SEE Bitter pit, apples					
Xystodesmidae				14442	94728	67963*						Young livestock					
						vitamins						anatomy and physiology			41332*		
						Yellow birch SEE Betula alleghaniensis						care	103165*	103390*			
						Yellow dwarf						diseases	71825	92033*			
						barley	4828	33280	37835			feeding and nutrition	71623	41214*			
							42577	42624	42639	47523		91861*	91862*				
							47560	77894	94273			SEE ALSO Baby pigs; Calves and					
												heifers; Chicks; Foals; Kids; Lambs					
						grain						9252					
						oats						47545					
						potatoes						37486					
						wheat		32796	73232								
Yams	11472	32758	47112	49351		Yellow fat	83039	22972*	42332*			activities		17062	92140		
bibliographies				20356*		Yellow fever			94213			Australia			36142		
Yangiella n g				105827*		Congo			4732			California			11912		
Yarn				65244		eradication	73154	73155	94221			Denmark		27088*	56918*		
SEE ALSO UNDER names of fibers						transmission	52810	94154	32655*			Japan			32135*		
Yeasts						reviews			52769			Mongolia			67179		
anatomy and physiology				724	859	wildlife			52810			North Carolina			22303		
1096	6205			6227	17540	Yellow-fever mosquito SEE Aedes						Sweden			46159*		
19090	19236			19251	28025	aegypti						associations	27057	46238	46244		
38398	38490			48236	68894	Yellow jessamine SEE Gelsemium sem-						46245	46251	46256	46257		
78778	98708	100145	100166			pervirens						98211*					
27958*	28030*	28046*	38203*			Yellow leaf						Australia			36142		
48096*	48215*	48235*	48238*			Areca cathecu			99632			Canada		46240	46254		
48239*--48241*	48422*	54450*				Yellow mealworm SEE Tenebrio molitor						France			76660*		
58846*	68994*	69022*	78687*			Yellow mosaic						Greece			87554		
89252*	89495*	89530*	100220*			beans		42646	58098*			India			56916		
biochemistry				4651	10179	broadbeans			73235			Latin America			36133*		
38632	59079	59092	69215			clover	18376	68266	77896			Peru			98218*		
78928	89952	100581	103295			turnips	18313	18325	18329			Scotland			67228		
38506*	38543*	38554*	54450*			23753	23754	47530	58083			Southern Rhodesia			87565		
79056*	89789*	89795*				77919	9219*	9236*	68296*			attitudes	35523	36130	56951		
culture media				65464	75873*	Yellow mottle						87466	76585*				
cultures				15534	107979	cocoonuts SEE Kadang-kadang, coco-						Germany			108711*		
25410*	25105*	47957*	78687*			nuts						Japan			76716*		
89530*						Yellow Podzol soils		39822*	101840*			Mississippi			108742		
cytology				686	700	Yellow poplar SEE Liriodendron tulipi-						Belgium			27035*		
18488	27502a	27569a	99906			fera						cooperatives	46271	46278	46281		
99954	100017	18586*	37714*			Yellow rust						46284	46299	46310	46341		
68465*	68515*					wheat	847	27256a	58024	68125		education and training		11041	19924		
reviews				18621	68504	79196						27080	36060	46236	56876		
ecology					37612	Yellow scale SEE Aonidiella citrina						87466	108749	87417*			
enzymes				19261	58387	Yellow soils		10445	20515	49880		Austria			87409*		
89868*						49897						Belgium			27035*		
extracts					54312	Yellow sweetclover			27457a*	27471a*		Connecticut			17075		
fat synthesis				74480	74486	68681*	70544*					Denmark			108687*		
feed	25102*	25105*	30773*	31781*		Yellow vein						Germany	8106*	46134*	56815*		
51403*	54737*	61635*	62651*			citrus						67115*	108745*				
72038*	72942*	72953*	75003*			Sonchus oleraceus						Great Britain			73026		
75842*	82105*	91894*	92339*			Yellows						Illinois			98159		
93804*	95906*	96700*	103117*			aster						Mississippi			108742		
104287*						beets	18291	18344	37489			Missouri			46228		
food					107979	42621	47534	458*	68283*			Netherlands			45600*		
freeze-dried					47775	cherries	27294a	68284	99582			Poland			87500*		
genetics				785	797	99584						USSR			108689*		
807	813	814	824			citrus						exchange programs		46180---	46185		
849	859	18718	18735			clover						56853---	56855	108719--	108730		
18741	18751	18779	27724			lettuce						developing areas		36051	36057		
37904	58387	100033	100054			sugar beets	4823	9213	9231			36113	87413				
100066	100086	105713	18586*			14089	14112	37446	42621			Germany		46134*	67115*		
27727*	58438*	58474*	79056*			52852	63580	68258	77903			Israel		56849	87413		
100050*	100055*					83291	83305	83307	101081			Peru			56850		
in animal physiology				12667	71827	14134*	20762*	23234*	94290*			Poland			56851		
62168*	62311*	91894*				white clover			83333			Turkey			56852		
in feed processing				51415*		Yew SEE Taxus						Uruguay			56856		
in fermentation				34181	24510*	Ylang-ylang oil			45164*			farming		7856	45774	108056	
64935*	86470*	96204*	96313*			beta-Ylangene			97213			50214*					
106814*	107251*					Yoania			67832			Finland			70939*		
in insect nutrition				63942	73445*	Yoghurt						forestry		80825	81224		
in soils				37031	78778	analysis and composition			15660*			health			8317		
70357*						85312*						Iowa			36015		
in sugars					55825	bacteria		65051*	74741*			labor		7707	43397	76096	
in wine manufacture				24724	34278	containers			24955*			86724					
44228	106845	6274*	6302*			defects			65127*			Denmark			56722*		
6315*	24618*	24622*	24664*			flavoring		15759	107028			Germany			43682*		
24710*	34271*	54424*	74627*			manufacture	44354	107028	15758*			Great Britain			76500		
85136*	96252*	96258*	96314*			34422*	34448*	54679*	65181*			Louisiana			7842		
106801*	106802*	106849*				74937*	85453*	96575*	96585*			occupations			16650		
manufacture				24724	7498*	107015*						policies and programs	27124	45590			
25102*	44151*	45350*	54737*			nutritive value			46485*			76623					
66252*	75003*	96700*	97455*			quality	74937*	85453*	96584*			Ceylon		87471	87476		
morphology				47775	99962	starters		34422*	96597*			Colombia			87472		
properties					96204*	SEE ALSO Bioghurt						Jordan			97749		
protein synthesis				7498*	67461*	Yola			5181*			Peru		87473	87477		
75058*	84979*	85015*	106715*			Yomesan SEE N-(2'-Chlor-4'-nitrophen-						Poland			87474		
proteins				59079	62651*	yl)-5-chlorsalicylamide			28343*			Turkey		87475	87478		
reviews					45167	Yononin						United Arab Republic			97749		
storage					74627*							Uruguay			87479		

\*Text of this reference is not in English.

	Item				Item				Item		
Youth-- Cont				Zinc-- Cont				Zirconium compounds			65267
psychology	8047	8186	36176	effects on apples	89526*			Zizania aquatica SEE Wildrice			
76718	108808			effects on Aspergillus niger	48591			Zizaniopsis miliacea			95376
SEE ALSO Agricultural education,				effects on bananas	100455			Zizeeria lysimon karsandra			43290
secondary; Apprenticeship; Educa-				effects on broadbeans	27875			Zizyphus	17710		28657
tion; names of youth organizations;				effects on carrots	68831*			Zizyphus jujuba SEE Jujube			
and UNDER Human nutrition				effects on Chrysanthemum morifolium	38439			Zizyphus mauritiana			18958
Yponomeuta SEE Hyponomeuta				effects on citrus	18918*			Zoalene	22588	72662	41961*
Yponomeutidae SEE Hyponomeutidae				effects on corn	28242			Zombitsia n g			17714*
Ypsolophus sequellus			106061	9811*	38635*			Zonana n g			95173
Yttrium	20449		90886*	effects on fruit	38140			Zone agronomists			108671*
Yucca	5416	90752	19428*	effects on Juglans regia	48102			Zonocerus elegans			4658
Yucca arborescens SEE Yucca brevifolia				effects on plants	2178			Zonocerus variegatus	84002		73210*
Yucca brevifolia			88846	19099	28122*			Zonosemata electa			52844
Yucca elephantipes			19380*	bibliographies	58549			reviews			4795
Yucca filamentosa			38604*	effects on potatoes	78381			Zoology			
Yucca flaccida			69084	effects on Rhizopus nigricans	19230			associations			104957*
Yucca glauca			101462	effects on Salvia	89342			bibliographies	53156		81875
Yucca guatemalensis SEE Yucca ele-				fertilizers	2178	80271		conferences and congresses			36398
phantipes				beans	39949	70557		46509	42344*		57466
Yucca recurvifolia			90469*	corn	2369	39949		explorations			57466
Yunacantha n g			105727*	grapes		91063		history			104960
Yunomela n g			105617*	in alfalfa		78544		nomenclature			27377
				in animal nutrition	51412	61659		reviews			94635*
				in Asarum europaeum		69075*		study and teaching	3323*		94738*
				in beans		58528		Zootermopsis			95670
				in blood	72982	51510*		Zootermopsis angusticollis			106109
				in cattle nutrition	41526	51738		33497*			
				62112	62141	72110		Zopfia			77469
				62232*		3451*		Zophodes fitzsimonsi			94956
				in cattle physiology	62315			Zophosis			105627*
				in Cynodon dactylon	48280			Zoraptera			14980
				in dog physiology	13295			Zornia			36878
				in eggs	93096			Zorotypus hubbardi			14980
				in food	54110*			Zostera			68103
				in fruit juices and sirups	34714*			Zostera marina			88981*
				in goat nutrition	82773			Zoysia	49218	59744	89150
				in Lichenes	89539*			Zoysia japonica			58263*
				in peas	19178			Zumptiella citelli			83763
				in plant nutrition	19001	19257		Zuphium			23582*
				27928	68820	18822*		Zuvapin			99265*
				50762*	68755*	19055*		Zygaena	5556	5557	23908
				in plants		96114		Zygaena algira			73833
				in potatoes		78381		Zygaena carnicola			53504
				in poultry nutrition	22538	52220		Zygaena contaminata			105949
				93096	52193*			Zygaena fausta			5558
				in poultry physiology	52220	52272		Zygaena filipendulae			43242*
				62871	62901			Zygaena hilaris			14857
				in rice		65745*		Zygaena hylaris			95532*
				in sheep nutrition	42155	82786		Zygaena ledereri SEE Zygaena punctum			
				in sheep physiology		42186		lederei			
				in Silene cucubalus		767*		Zygaena (Mesembrynus)			43284*
				in soils	2153	2177		Zygaena occitanica			95533*
				8003				Zygaena pennina SEE Zygaena contami-			
				Australia		9795		nei			
				Bulgaria		70328*		Zygaena punctum ledereri			5558
				Denmark	29518*	70328*		Zygaena silvicola group	43301		53505
				Germany		20437*		95546			
				Japan	60225	11247*		Zygaena vesubiana			43284*
				Rumania		39810*		Zygaenidae			
				Wisconsin		101904*		color			105949
				in sugar beets		68926		France	23908		105934*
				in swine nutrition	13780	48362		geographic distribution			43284*
				42253*				Great Britain			5556
				in swine physiology		72943		Italy	95532*		95533*
				in tomatoes		83012*		Lebanon			5557
				in turkey nutrition	52216	72571*		Spain			23908
				toxicity	83039	13518*		taxonomy	43301	53505	95546
Zinc bacitracin	22609	22913	72094	82031			types				5558
				Zinc chloride		91761		Zygmus nigriceps			95233*
				Zinc chromate		37399		Zygina dumbletoni			23750
				Zinc hydrosulfite		12357		Zygina hussaini			43158
				Zinc oxide	7269	18917*		Zygina simaethis			64097
				Zinc phosphide		61208		Zygina subrufa SEE Thaia subrufa			
				Zinc sulfate	42186	91047		Zygnema		26925a	77457
				89526*	96266*			Zygnemaceae SEE Zygnemataceae			
Zineb SEE Ethylenebisdithiocarbamic								Zygnemataceae	36964	46963	99040
Zingiber officinale			18228					26923*	57695*		
90421*								Zygnemopsis foersteri			57695*
Zingiberaceae	699	9498	36860					Zygodon gracilis			17836*
Zinnia		78325	100709					Zygopetalum burti			29018*
Zinnia elegans			14122					Zygopetalum cerinum			29018*
Zinophos	37535	37537	58128					Zygophiala jamaicensis			68144*
88946*								Zygophyllaceae			98923*
Ziram	64070	12605*	18115*					Zygophyllum	98918		98953*
								Zygophyllum fabago			68511
								Zygorhizidium			8829
								Zygoseius			73522
								Zyras			14539
								Zyras (Camonia)			5173

\*Text of this reference is not in English.

\*\*Text of this reference partially in English.





UNITED STATES DEPARTMENT OF AGRICULTURE  
NATIONAL AGRICULTURAL LIBRARY

WASHINGTON 25, D.C.

---

OFFICIAL BUSINESS

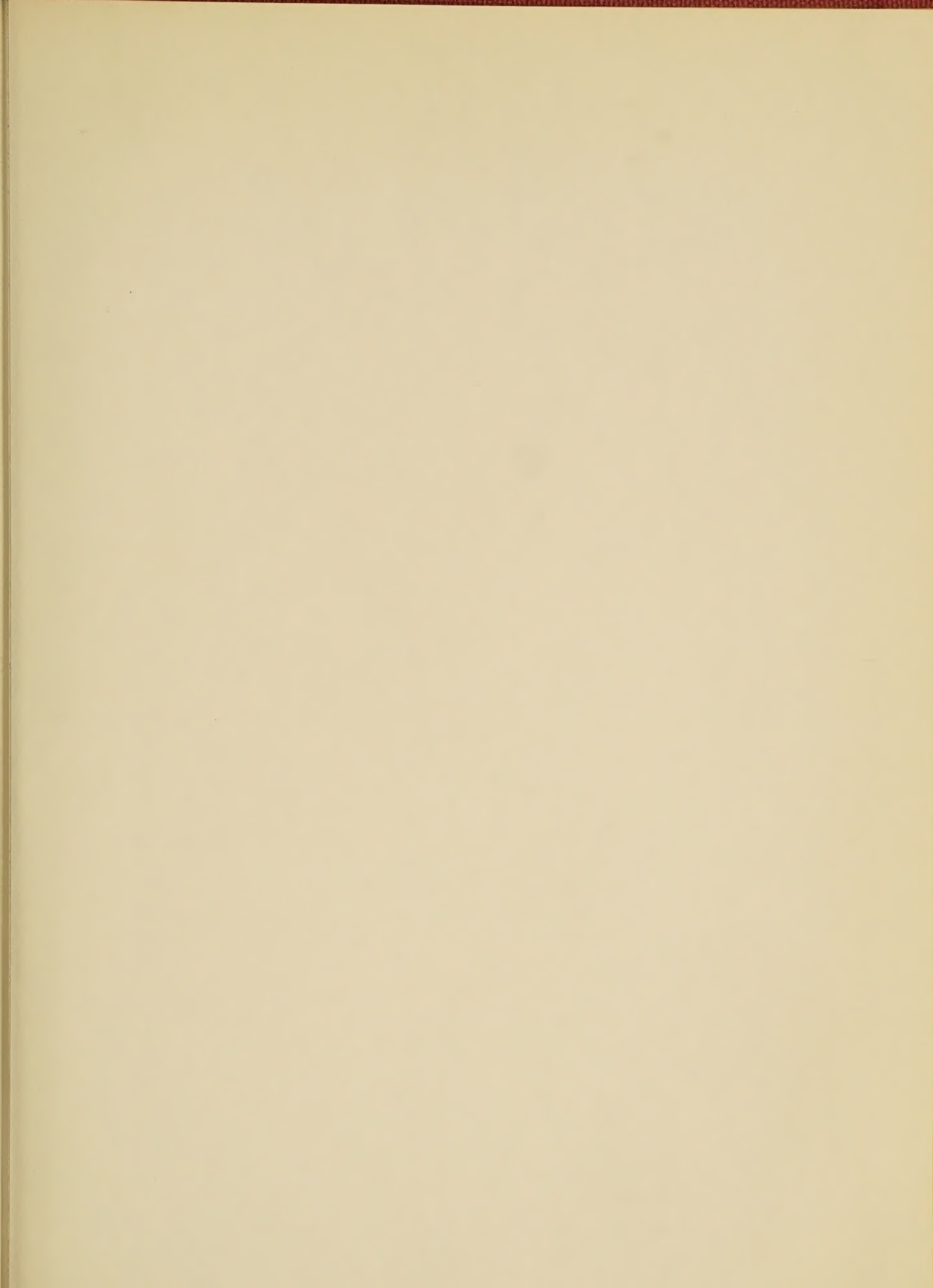
POSTAGE AND FEES PAID  
U. S. DEPARTMENT OF AGRICULTURE

















apok.



NATIONAL AGRICULTURAL LIBRARY



1023117068